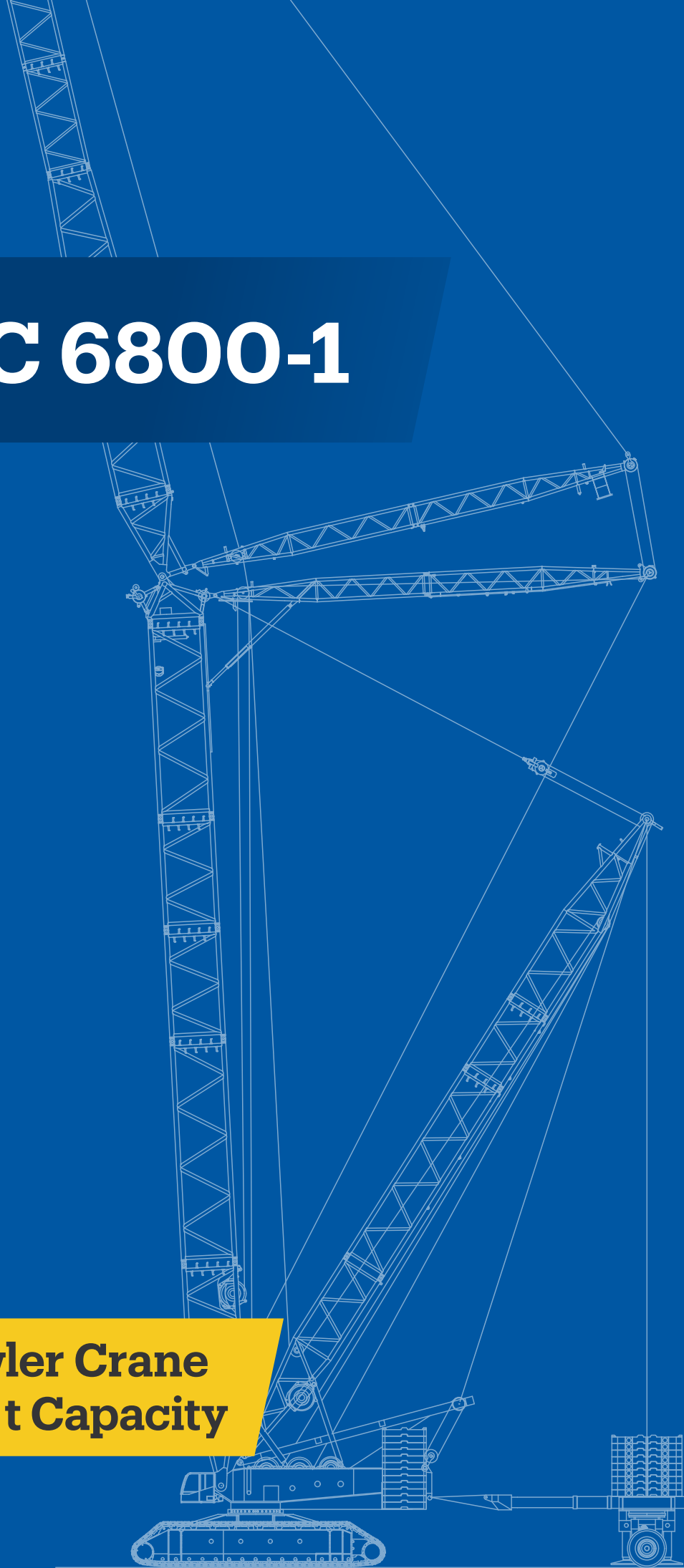


# CC 6800-1










**Crawler Crane  
1250 t Capacity**

**DEMAG**<sup>®</sup>  
BY TEREX



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## Zeichenerklärung · Légende · Leggenda · Leyenda · Legenda · Условные обозначения

|   |  |   |   |
|---|--|---|---|
|    | Track · Spur · Voie · Cingolo · Orugas · Esteira ·<br>Колея  | <b>„D“</b>  |   |
|    | Counterweight + central ballast (ZB) · Gegen-<br>gewicht + Zentralballast (ZB) · Contrepoids + lest<br>central (ZB) · Contrappeso + zavorra centrale (ZB) ·<br>Contrapeso + lastre central (ZB) · Contrapeso +<br>lastro central (ZB) · Противовес + центральный<br>балласт (ZB) | S:  | heavy · schwer · lourd · pesante · pesado · pesada ·<br>сильный   |
|    | Superlift counterweight · Superlift-Gegengewicht ·<br>Contrepoids Superlift · Contrappeso Superlift ·<br>Contrapeso Superlift · Contrapeso do Superlift ·<br>Противовес суперлифт  | L:  | light · leicht · léger · leggera · ligero · leve ·<br>слабый  |
|    | Superlift radius · Superlift-Radius · Rayon Superlift ·<br>Sbraccio Superlift · Radio de Superlift · Raio do<br>Superlift · Радиус для оборудования суперлифт  | H / HA:   | Main boom · Hauptausleger · Flèche principale ·<br>Braccio principale · Pluma principal · Lança principal ·<br>Главная стрела   |
|    | Possible load of hook block · Mögliche Traglast<br>Unterflasche · Charge possible de crochet-moufle ·<br>Portata possibile di bozzello · Carga permitida<br>de gancho · Carga possível do moitão ·<br>Допустимая нагрузка на крюкблок  | HI:   | Luffing jib · Hilfsausleger · Fléchette ·<br>Falcone · Plumín · Lança auxiliar ·<br>Стрела с изменяемым вылетом   |
|   | Weight of hook block · Gewicht Unterflasche ·<br>Poids de crochet-moufle · Peso di bozzello ·<br>Peso de gancho · Peso do moitão · Вес крюкблока   | W:  | Luffing fly jib · Wippbarer Hilfsausleger ·<br>Fléchette à volée variable · Falcone a volata variabile ·<br>Plumín abatible · Jib de lance variável ·<br>Стрела с изменяемым углом вылета и гуськом |
|  | Load radius · Lastradius · Portée · Raggio di lavoro ·<br>Radio de trabajo · Raio de operação ·<br>Рабочий радиус  | F:  | Fixed fly jib · Starrer Hilfsausleger · Fléchette fixe ·<br>Falcone fisso · Plumín fijo · Lança auxiliar fixa ·<br>Неподвижная стрела с изменяемым вылетом  |
|  | Main boom · Hauptausleger · Flèche principale ·<br>Braccio principale · Pluma principal · Lança principal ·<br>Главная стрела  | SL:   | Superlift · Superlift · Levage supplémentaire ·<br>Superlift · Superlift · Kit Superlift · Суперлифт<br>(система для увеличения грузоподъемности)   |
|  | Fly jib · Hilfsausleger · Fléchette · Falcone · Plumín ·<br>Lança auxiliar · Стрела с изменяемым вылетом   | V:  | Vessellift · Vessellift · Vessellift · Vessellift ·<br>Vessellift · Içamento de embarcação ·<br>Подъем судов  |
|  | Main boom angle · Hauptauslegerwinkel ·<br>Jarret de flèche principale · Inclinazione braccio base ·<br>Ángulo de pluma principal · Ângulo da lança<br>principal · Угол наклона главной стрелы   | SGL:  | Heavy base length · Schwere Grundlänge ·<br>Longueur de base lourde · Lunghezza carro in<br>versione pesante · Longitud de base pesada ·<br>Comprimento da base pesada · Длина тяжелой<br>базы      |
|  | Fly jib angle · Hilfsauslegerwinkel · Jarret de<br>fléchette · Inclinazione falcone · Ángulo de plumín ·<br>Ângulo da lança auxiliar · Угол наклона стрелы с<br>изменяемым вылетом   |  | Central ballast · Zentralballast · Lest central ·<br>Zavorra centrale · Lastre central · Lastro central ·<br>Центральный балласт  |
|  | Wind speed in m/s (meter per second) · Wind-<br>geschwindigkeit in m/s · Vitesse du vent en m/s ·<br>Velocità del vento in m/s (metri al secondo) ·<br>Velocidad del viento en m/s · Velocidade do<br>vento em m/s (metros por segundo) ·<br>Скорость ветра в м/сек              |   |   |

- ▶ Excellent lifting capacities throughout all working ranges, especially with luffing fly jib
  - ▶ Max. load moment 15856 tm (991 t@16 m)
  - ▶ Two redundant operating drivelines
  - ▶ Highly simplified assembly processes for short rigging times
  - ▶ Hydraulic quick-connection
  - ▶ Innovative IC-1 crane control system with touchscreen
  - ▶ Superlift radius infinitely variable during operation from 15-24 m (+ 24-30 m)
  - ▶ Variable offset of main boom with SW and SWSL configurations
  - ▶ Powerful Quadro-Drive as standard
  - ▶ Hydraulic assisted pinning of boom sections is standard
  - ▶ PC outrigger optional
- ▶ Hervorragende Tragfähigkeiten über alle Arbeitsbereiche, insbesondere am wippbaren Hilfsausleger
  - ▶ Max. Lastmoment 15856 mt (991 t@16 m)
  - ▶ Zwei redundant arbeitende Antriebseinheiten
  - ▶ Enorm vereinfachte Montage und kürzeste Rüstzeiten
  - ▶ Hydraulische Schnellverbindung
  - ▶ Innovative Kransteuerung IC-1 mit Touchscreen
  - ▶ Variabler Superlift-Radius verstellbar von 15-24 m (+ 24-30 m)
  - ▶ Variable Vorneigung Hauptausleger für SW und SWSL
  - ▶ Leistungsstarker Quadro-Antrieb serienmäßig
  - ▶ Serienmäßig hydraulisch verbolzbare Auslegerteile
  - ▶ Optionale PC-Abstützung
- ▶ Excellentes capacités de levage dans tous les domaines de travail particulièrement avec volée variable
  - ▶ Couple de charge max. 15856 tm (991 t@16 m)
  - ▶ Deux unités de propulsion avec redondance intégrée
  - ▶ Assemblages considérablement simplifiés et temps de montage réduit
  - ▶ Connexion rapide hydraulique entre châssis et partie tournante
  - ▶ Nouveau système de contrôle IC-1 avec écran tactile
  - ▶ Rayon du Superlift variable 15-24 m (+ 24-30 m)
  - ▶ Flèche principale inclinable pour SW et SWSL
  - ▶ Puissant quadro en série
  - ▶ Boulonnement hydraulique des intercalaires de flèche en série
  - ▶ Base de calage variante PC en option
- ▶ Eccellenti capacità di sollevamento a tutte le portate di lavoro, in particolare con falcone a volata variabile
  - ▶ Momento di carico massimo 15856 (991 t@16 m)
  - ▶ Due trasmissioni operative per assicurare la ridondanza
  - ▶ Processo di montaggio altamente semplificato per abbreviare i tempi di attrezzamento
  - ▶ Attacchi rapidi idraulici
  - ▶ Innovativo sistema di controllo della gru IC-1, con display touch-screen
  - ▶ Sbraccio Superlift con regolazione continua durante il funzionamento da 15 a 24 m (+ 24-30 m)
  - ▶ Inclinazione variabile del braccio con configurazioni SW e SWSL
  - ▶ Potente Quadro Drive di serie
  - ▶ Fissaggio degli elementi del braccio con servocomando idraulico di serie
  - ▶ Stabilizzatori piedistallo gru opzionali
- ▶ Excelentes capacidades de elevación en todos los rangos de trabajo, especialmente con plumín abatible
  - ▶ Momento de carga máx. 15856 tm (991 t@16 m)
  - ▶ Dos líneas de transmisión de operación redundante
  - ▶ Proceso de montaje extremadamente simplificado para cortos tiempos de montaje
  - ▶ Conexión hidráulica rápida
  - ▶ Innovador control de grúa IC-1 con pantalla táctil
  - ▶ Radio de Superlift en progresión continua durante la operación de 15 a 24 m (+ 24-30 m)
  - ▶ Angulamiento variable de la pluma principal con configuraciones SW y SWSL
  - ▶ Potente transmisión Quadro de serie
  - ▶ Fijación de tramos de pluma por pernos asistidos hidráulicamente de serie
  - ▶ Estabilizador PC opcional
- ▶ Excelentes capacidades de içamento em todas as faixas de trabalho, especialmente com lança auxiliar articulada
  - ▶ Momento de carga máx. 15856 toneladas (991 t@16 m)
  - ▶ Dois sistemas de tração redundantes em operação
  - ▶ Processos de montagem bastante simplificados reduzem os tempos de instalação
  - ▶ Conexão hidráulica de engate rápido
  - ▶ Inovador sistema IC-1 de controle do guindaste com tela de toque
  - ▶ Raio do Superlift infinitamente variável entre 15 e 24 m (+ 24-30 m) durante a operação
  - ▶ Inclinação variável da lança principal com configurações SW e SWSL
  - ▶ Poderosa tração quádrupla como item de série
  - ▶ A pinagem hidráulica assistida das seções da lança é característica de série.
  - ▶ Estabilizador opcional para PC
- ▶ Отличная грузоподъемность во всех диапазонах, особенно со стрелой с изменяемым вылетом
  - ▶ Макс. момент нагрузки 15856 мт (991 т@16 м)
  - ▶ Две рабочие трансмиссии, одна всегда резервная
  - ▶ Значительно упрощенный процесс сборки, обеспечивающий быстроту установки
  - ▶ Быстроразъемное гидравлическое соединение
  - ▶ Инновационная система управления краном IC-1 с сенсорным экраном
  - ▶ Бесступенчатая регулировка радиуса суперлифта в процессе подъема в диапазоне 15-24 м (+ 24-30 м)
  - ▶ Плавно изменяемый угол смещения главной стрелы в конфигурациях с SW и SWSL
  - ▶ Мощный квадропривод в стандартной комплектации
  - ▶ Гидравлическая система соединения штифтами секций стрелы входит в стандартную комплектацию
  - ▶ Выдвижные опоры для сборки в версии пьедестального крана (опция)

Technische Daten · Caractéristiques · Dati tecnici ·  
 Datos técnicos · Especificações · Технические характеристики

**Working speeds (infinitely variable) · Arbeitsgeschwindigkeiten (stufenlos regelbar) ·  
 Vitesses de travail (réglables sans paliers) · Rapporti di lavoro (a regolazione continua) ·  
 Velocidades de trabajo (progresión continua) · Velocidades de trabalho (infinitamente  
 variáveis) · Рабочие скорости (с бесступенчатой регулировкой)**

| Mechanism<br>Antrieb<br>Mécanisme<br>Funzioni<br>Mecanismos<br>Mecanismo<br>Механизм  | Rope ø<br>Seil-ø<br>ø du câble<br>ø fune<br>ø cable<br>Diâm. cabo<br>Диаметр<br>троса | Speeds <sup>1)</sup><br>Geschwindigkeiten <sup>1)</sup><br>Vitesses <sup>1)</sup><br>Rapporti <sup>1)</sup><br>Velocidades <sup>1)</sup><br>Velocidades <sup>1)</sup><br>Скорости <sup>1)</sup> | Single line pull<br>Seilzug je Strang<br>Effort sur brin simple<br>Tiro fune singolo<br>Tracción de cable simple<br>Tração de linha simples<br>Тяговое усилие на<br>одиночном тросе | Length of hoist rope<br>Länge des Hubseils<br>Longueur du câble de levage<br>Lungh. della fune dell'argano<br>Long. de cable de cabrestante<br>Compr. do cabo do guincho<br>Длина троса |
|---|---|---|---|---|
| Hoist I+II · Hubwerk I+II ·<br>Treuil de levage I+II ·<br>Agano I+II · (H1+H2)<br>Cabrestante I+II ·<br>Guincho I+II · подъем I+II  | 32 mm   | max. 110 m / min  | 230 kN  | 1240 m  |
| Hoist III · Hubwerk III ·<br>Treuil de levage III ·<br>Agano III · (H3)<br>Cabrestante III ·<br>Guincho III · подъем III  | 32 mm   | max. 100 m / min  | 230 kN  | 700 m   |
| Boom derricking ·<br>Wippwerk Hauptausleger ·<br>Variation de flèche ·<br>Inclinazione del braccio · (W2)<br>Descenso de pluma ·<br>Inclinação da lança · Подъем<br>стрелы деррик-краном    | 32 mm   | max. 110 m / min  |   |   |
| Boom hoist · Einziehwerk ·<br>Relevage de flèche ·<br>Argano del braccio · (E)<br>Cabrestante de pluma<br>Guincho da lança ·<br>Подъем стрелы   | 32 mm   | max. 50 m / min   |   |   |
| Jib luffing · Wippwerk Hilfs-<br>ausleger · Variation de volée ·<br>Sollevamento del braccio · (W1)<br>Abatimiento de plumín ·<br>Inclinação da lança auxiliar ·<br>Изменение вылета стрелы | 32 mm   | max. 105 m / min  |   |   |
| Slewing (rpm) · Drehwerk (U / min)<br>Orientation (tr / mn) ·<br>Rotazione (rpm) · 1,2<br>Unidad de giro (rpm) ·<br>Giro (rpm) · Поворот (rpm)  |   |   |   |   |

<sup>1)</sup> top layer · oberste Lage · couches supérieure · avvolgimento superiore · capa superior · camada superior · верхний слой

**Carrier performance · Fahrleistungen · Performances du porteur ·  
 Prestazioni del carro · Rendimiento del vehículo · Desempenho do veículo ·  
 Общие характеристики шасси**

Travel speed · Fahrgeschwindigkeit · Vitesses de translation · Velocità di marcia · max. 1,1 km/h  
 Velocidad de desplazamiento · Velocidade de marcha · Скорость движения

# Specifications

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**Hook block system · Unterflaschensystem · Système de crochet-moufle · Sistema per bozzello · Sistema de bloque de gancho · Sistema de moitão · Система крюкоблока**

| Type<br>Typ<br>Type<br>Tipo<br>Tipo<br>Tipo<br>Тип | Possible load<br>Mögliche Traglast<br>Charge possible<br>Portata possibile<br>Carga permitida<br>Carga possível<br>Допустимая нагрузка | Number of sheaves<br>Anzahl der Rollen<br>Nombre de poulies<br>Numero di pulegge<br>Total de poleas<br>Número de polias<br>Количество шкивов | Number of lines<br>Strangzahl<br>Nombre de brins<br>No max avvolgim.<br>Reenvíos máx.<br>Número de cabos<br>Кратность троса | Weight<br>Gewicht<br>Poids<br>Peso<br>Peso<br>Peso<br>Вес | „D“              |
|--|--|--|---|---|------------------|
| 2 x 625  | 1250 t   | 2 x 15   | 2 x 31  | 29 000 kg   | 7,90 m           |
|  | 630 t  | 2 x 7  | 2 x 15  | 19 000 kg   | 5,90 m           |
|  | 630 t  | 15   | 31  | 19 000 kg   | 5,90 m           |
|  | 330 t  | 7  | 15  | 9 000 kg  | 5,90 m           |
| 1000   | 1000 t   | 2 x 11   | 2 x 23  | 18 000 kg   | 6,70 m           |
|  | 500 t  | 2 x 5  | 2 x 11  | 11 000 kg   | 7,20 m (6,50 m*) |
|  | 500 t  | 11   | 23  | 8 000 kg  | 7,20 m (6,50 m*) |
|  | 250 t  | 5  | 11  | 7 600 kg (5 800 kg*)                                      | 7,20 m (6,00 m*) |
| 800  | 800 t  | 2 x 11   | 2 x 19  | 16 000 kg   | 6,50 m           |
|  | 500 t  | 2 x 5  | 2 x 11  | 11 000 kg   | 7,20 m (6,50 m*) |
|  | 500 t  | 11   | 23  | 8 000 kg  | 7,20 m (6,50 m*) |
|  | 250 t  | 5  | 11  | 7 600 kg (5 800 kg*)                                      | 7,20 m (6,00 m*) |

\* with optional equipment 500 t hook · mit optionalem 500 t Haken · avec équipement optionnel: crochet de 500 t · con gancio opzionale da 500 t · con equipamiento opcional, gancho 500 t · com gancho de 500 t como equipamento opcional · с опциональным крюком 500 т

**Hook block · Unterflasche · Crochet-moufle · Bozzello · Bloque de gancho · Moitão · Крюкоблок**

| Type<br>Typ<br>Type<br>Tipo<br>Tipo<br>Tipo<br>Тип | Possible load<br>Mögliche Traglast<br>Charge possible<br>Portata possibile<br>Carga permitida<br>Carga possível<br>Допустимая нагрузка | Number of sheaves<br>Anzahl der Rollen<br>Nombre de poulies<br>Numero di pulegge<br>Total de poleas<br>Número de polias<br>Количество шкивов | Number of lines<br>Strangzahl<br>Nombre de brins<br>No max avvolgim.<br>Reenvíos máx.<br>Número de cabos<br>Кратность троса | Weight<br>Gewicht<br>Poids<br>Peso<br>Peso<br>Peso<br>Вес | „D“    |
|--|--|--|---|---|--------|
| 2 x 125  | 250 t  | 2 x 3  | 2 x 6   | 4 800 kg – 11 900 kg                                      | 5,40 m |
| 70   | 70 t   | 1  | 3   | 3 900 kg  | 4,80 m |
| 25   | 23 t   | Single line hook*  | 1   | 1 500 kg  | 4,00 m |

\* Single line hook / Hakengehänge / Boulet / Gancio singolo / Gancho simple / Gancho para linha singela / Крюк на одиночном тросе



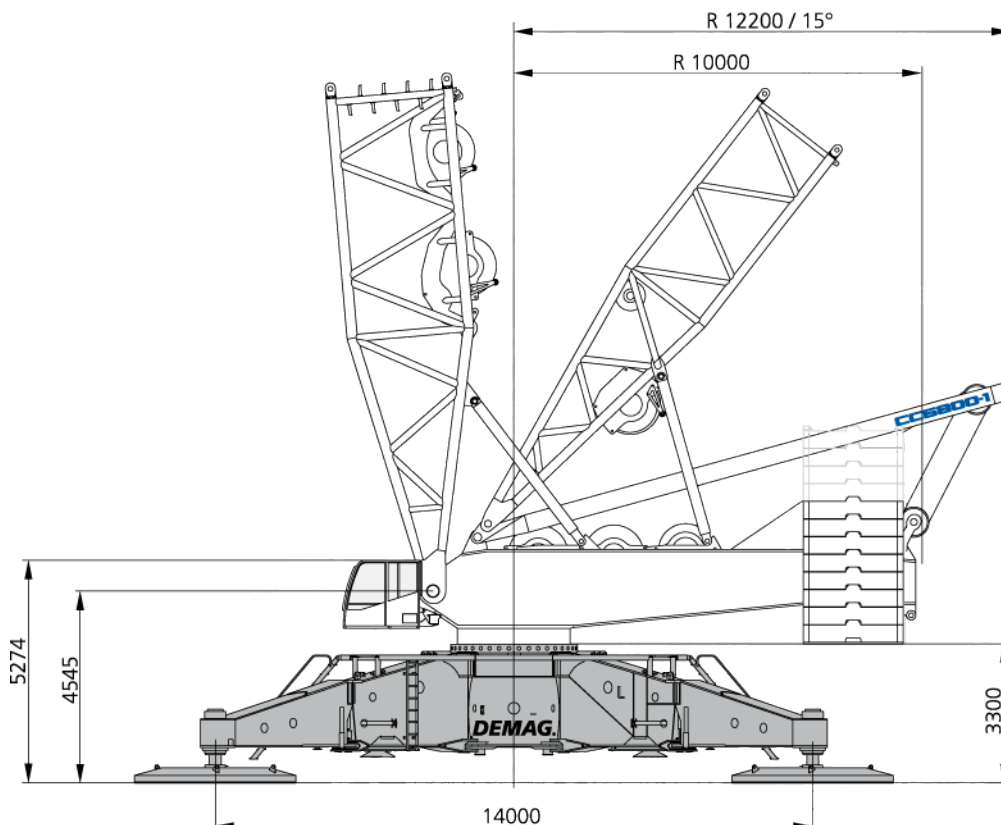
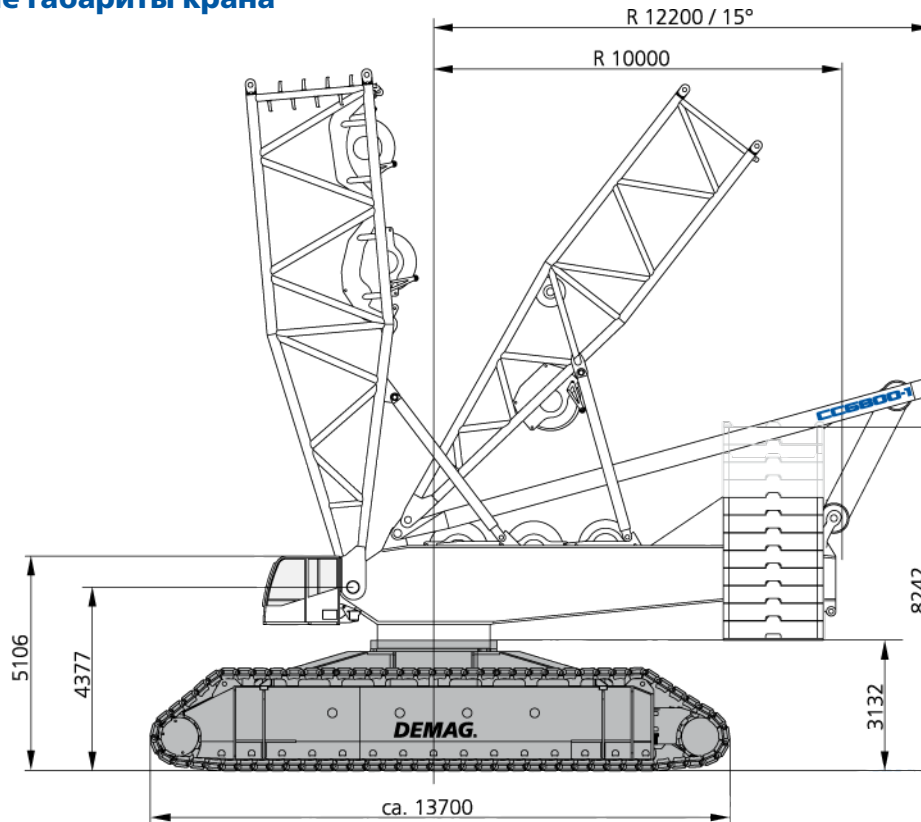
# Specifications

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Technische Daten · Caractéristiques · Dati tecnici ·

Datos técnicos · Especificações · Технические характеристики

**Basic crane dimensions · Hauptabmessungen · Dimensions de la grue de base ·  
Dimensioni di base della gru · Dimensiones básicas de la grúa · Dimensões do guindaste  
básico · Базовые габариты крана**



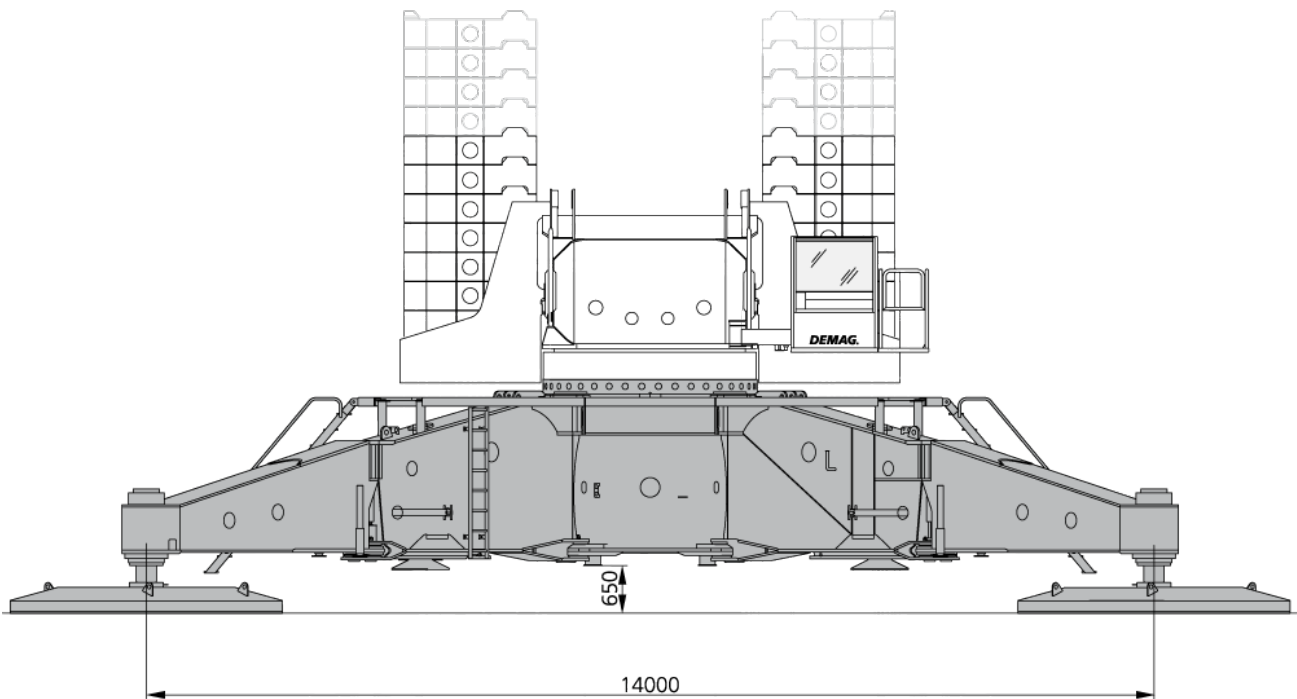
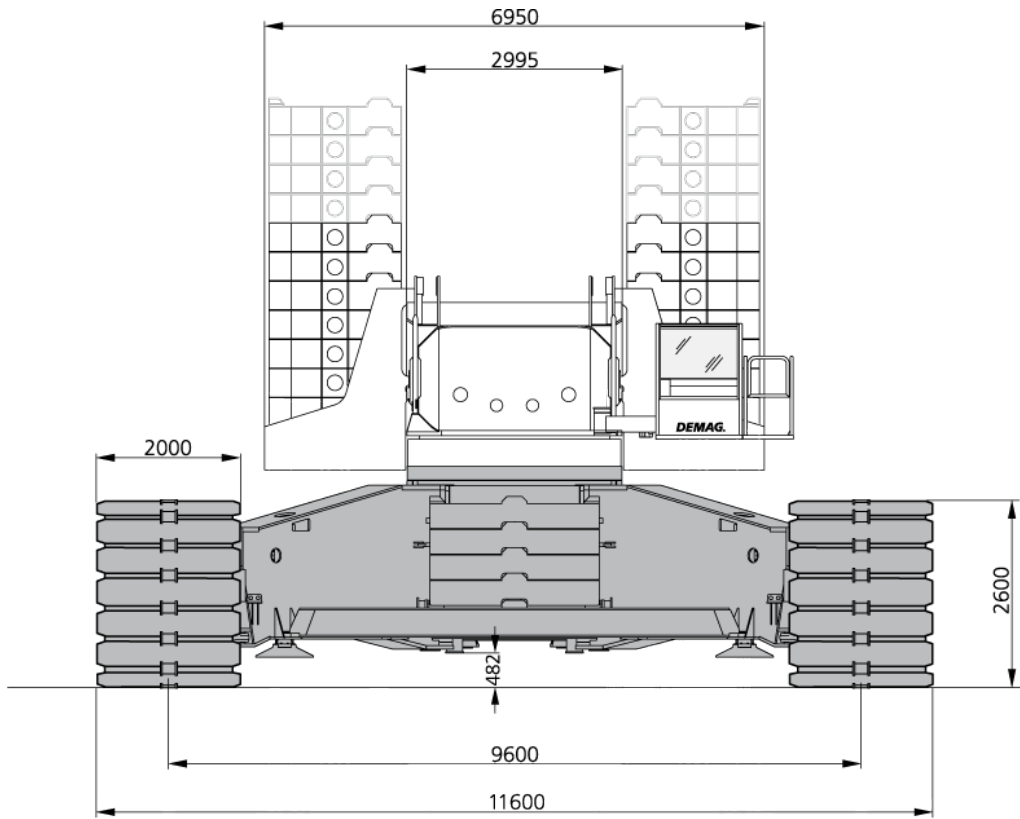
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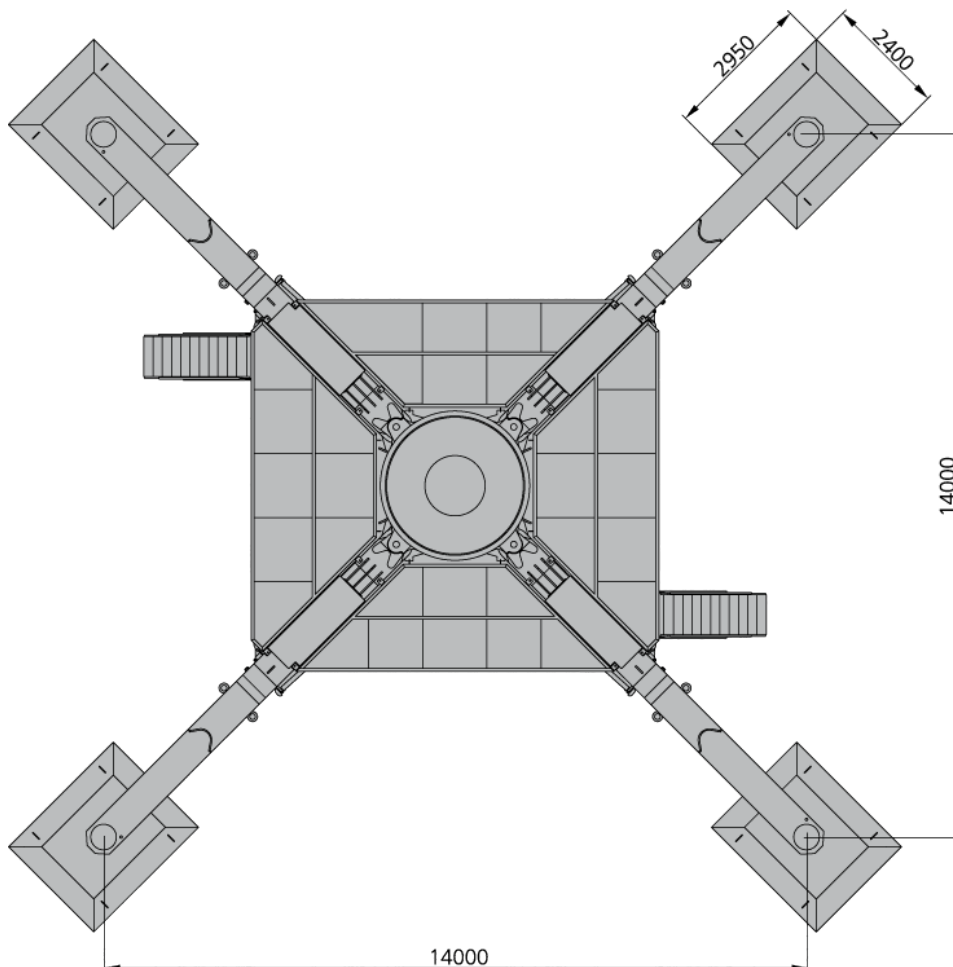
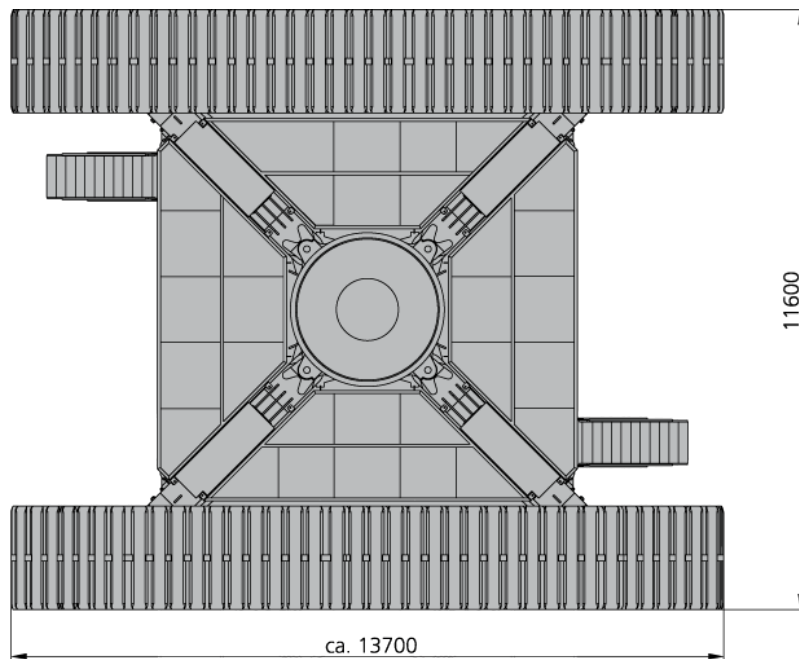


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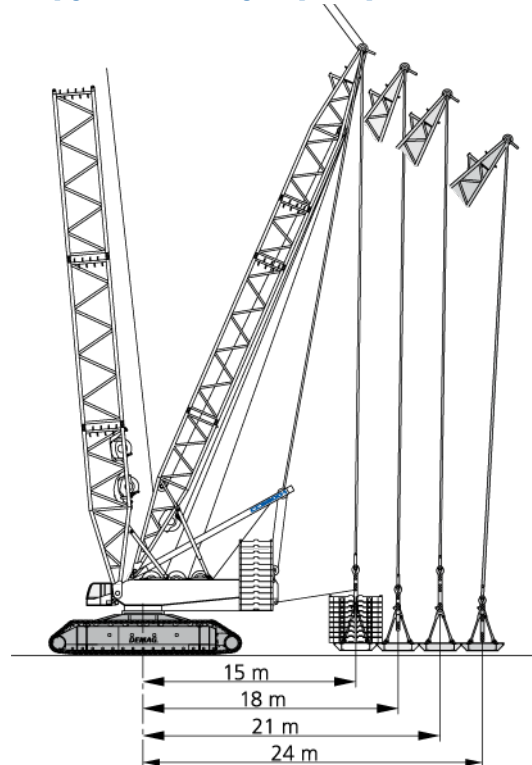


# Superlift Configurations

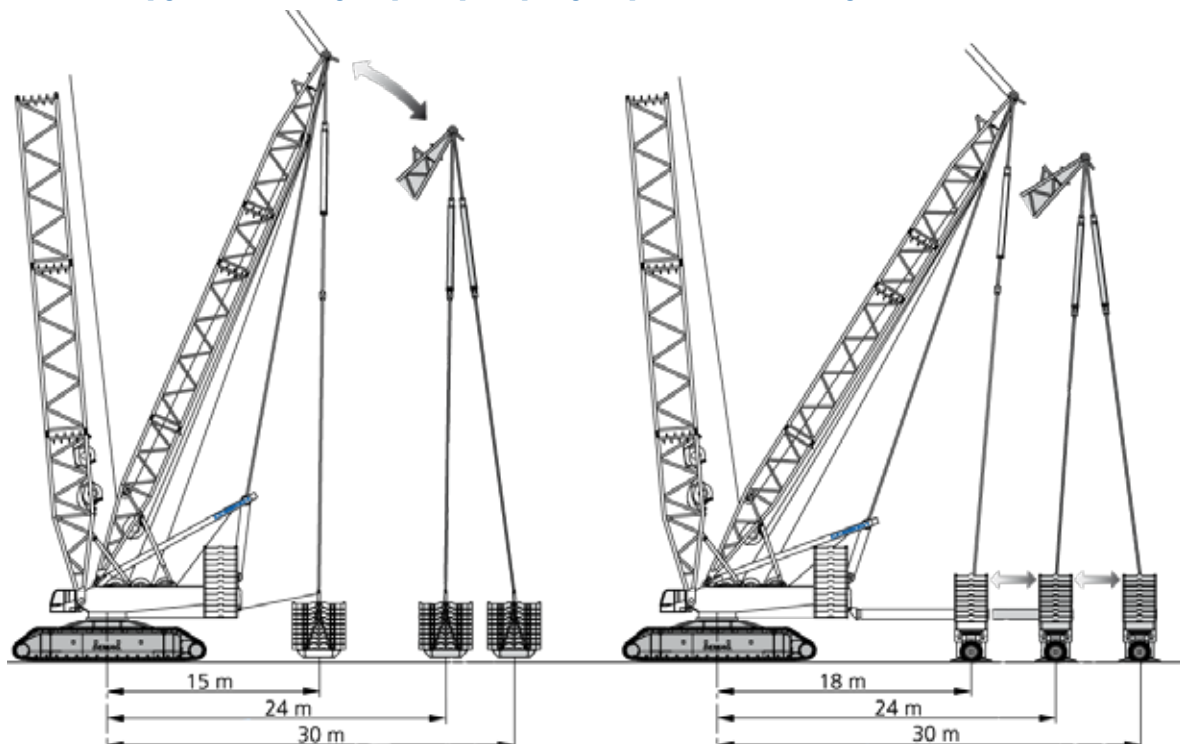
CC 6800-1

Superlift-Konfigurationen · Combinaisons Superlift ·  
Configurazioni Superlift · Configuraciones Superlift ·  
Configurações do Superlift · Варианты конфигурации суперлифт

**Standard Superlift attachment · Serienmäßige Superlifteinrichtung · Superlift de série ·  
Sistema Superlift di serie · Accesorio Superlift estándar · Acessório Superlift padrão ·  
Стандартный комплект оборудования суперлифт**



**Variable Superlift attachment · Variable Superlifteinrichtung · Superlift variable ·  
Configurazione Superlift variabile · Accesorio Superlift variable · Acessório Superlift  
variável · Оборудование суперлифт с регулировкой по весу подъема**



# Specifications

CC 6800-1

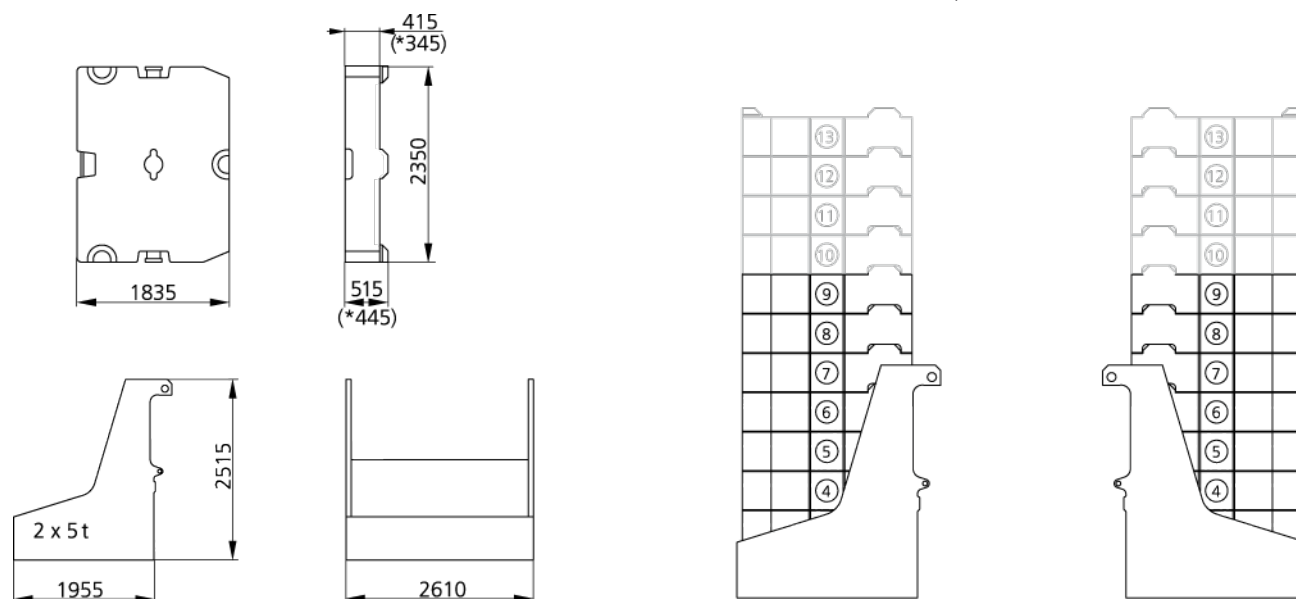
Technische Daten · Caractéristiques · Dati tecnici ·  
Datos técnicos · Especificações · Технические характеристики

**Weights · Gewichte · Poids · Peso · Peso · Peso · Bec**

|   |       |
|---|-------|
| Total weight incl. 170 t counterweight, 36 m boom and hook block<br>Gesamtgewicht einschl. 170 t Gegengewicht, 36 m Hauptausleger und Unterflasche<br>Poids avec 170 t de contrepoids, flèche de 36 m et crochet<br>Peso totale incl. contrappeso 170 t, braccio 36 m e bozzello · Peso total incl. contrapeso de 170 t, pluma de 36 m y bloque de gancho · Peso total incl. Contrapeso de 170 t, lança de 36 m e moitão ·<br>Общий вес, включая противовес 170 т, стрелу длиной 36 м и крюкоблок | 560 t |
| Superstructure (with 3 winches, A-frame and quick-connection)<br>Oberwagen (mit 3 Winden, A-Bock und Schnellverbindung) ·<br>Partie supérieure (avec 3 tambours, chevalet et connexion rapide) ·<br>Torretta (con 3 argani, cuspide e attacco rapido) · Superestructura (con 3 cabrestantes, caballete y conexión rápida) · Superestruturura (com 3 guinchos, suporte angular e engate rápido) ·<br>Надстройка (с 3 лебедками, А-образной рамой и системой быстроразъемных соединений)            | 99 t  |
| Superstructure without winches and A-frame<br>Oberwagen ohne Winden und A-Bock · Partie supérieure sans tambours et chevalet ·<br>Torretta senza argani e cuspide · Superestructura sin cabrestantes ni caballete ·<br>Superestruturura sem guinchos e suporte angular · Надстройка без лебедок и А-образной рамы   | 54 t  |
| Carbody with jacks and quick-connection<br>Mittelstück mit Abstützung und Schnellverbindung · Partie centrale avec appuis et connexion rapide ·<br>Carrozzeria con martinetti e attacco rapido · Cuerpo central con gatos y conexión rápida · Chassi com macacos e engate rápido · Корпус шасси с домкратами и системой быстроразъемных соединений  | 48 t  |
| Crawlers with track shoes (2000 mm)<br>Raupen mit Bodenplatten (2000 mm) · Chenilles avec patins (2000 mm) ·<br>Cingoli con pattini (2000 mm) · Orugas equipadas (2000 mm) ·<br>Esteiras com sapatas (2000 mm) · Гусеницы с башмаками (2000 мм)   | 70 t  |
| Crawlers without track shoes<br>Raupen ohne Bodenplatten · Chenilles sans patins · Cingoli senza pattini ·<br>Orugas no equipadas · Esteiras sem sapatas · Гусеницы без башмаков  | 38 t  |
| Counterweight · Gegengewicht · Contrepoids · Contrappeso · Contrapeso · Contrapeso · Противовес   | 170 t |

## Counterweight · Gegengewicht · Contrepoids · Contrappeso · Contrapeso · Contrapeso · Противовес

Central ballast · Zentralballast · Lest central · Zavorra centrale · Lastre central · Lastro central · Центральный балласт

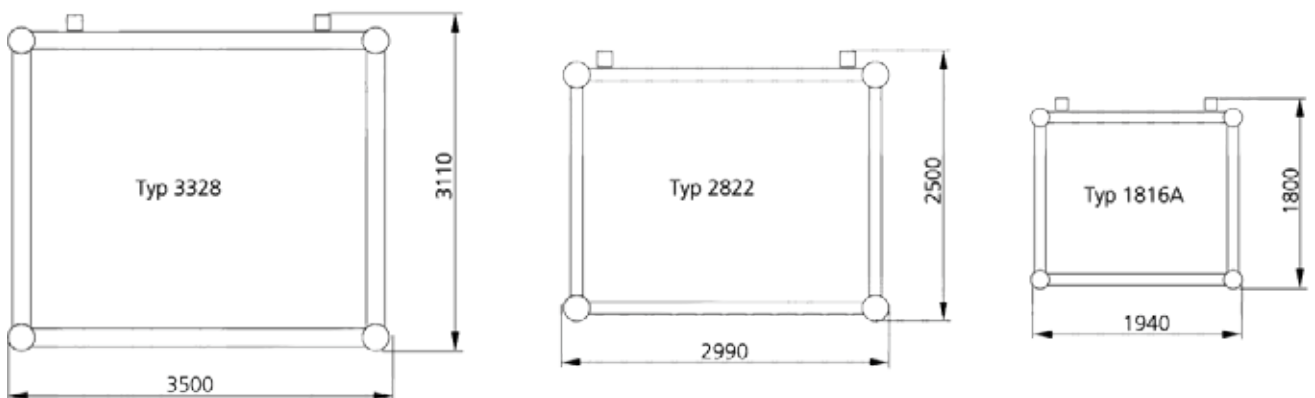
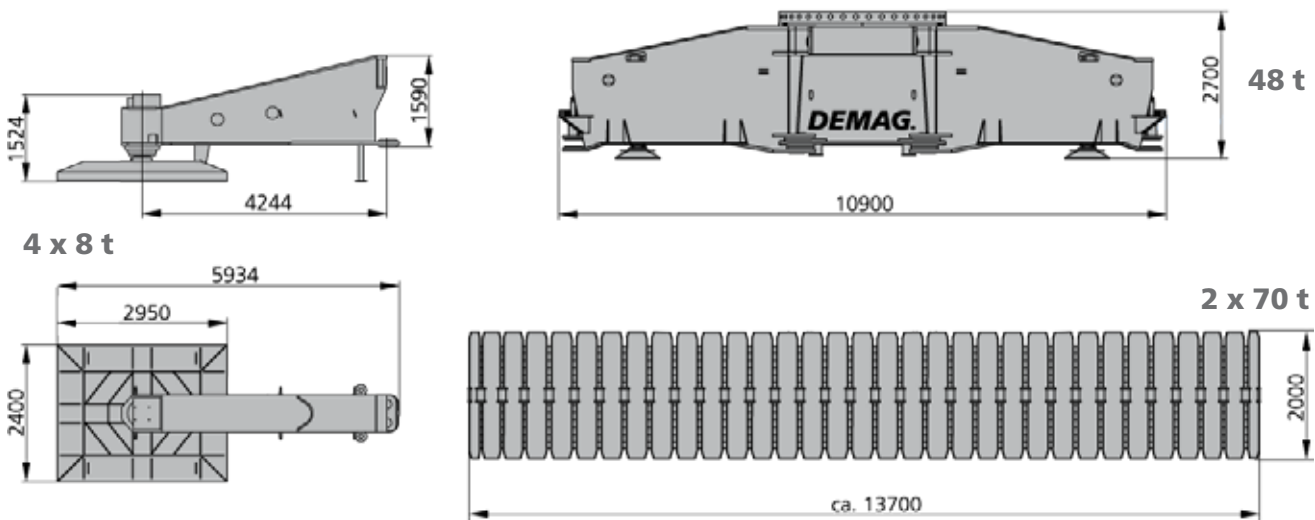
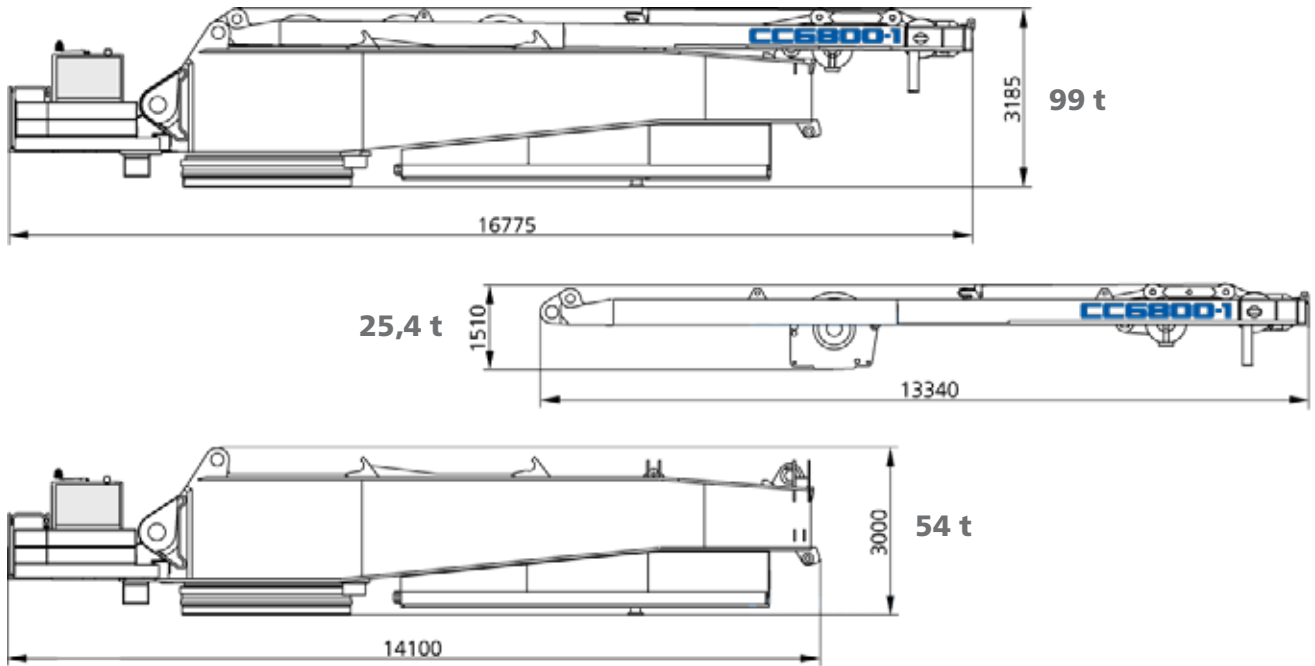


\* Option · Option · En option · Opzione · Opcion · Opcional · Опция

# Specifications

CC 6800-1

Technische Daten · Caractéristiques · Dati tecnici ·  
 Datos técnicos · Especificações · Технические характеристики



# Erection / Lowering

CC 6800-1

Aufrichten / Ablegen · Montée / Placement · Montaggio / Calata ·  
Erección / Descenso · Levantamento / Descida · Подъем / опускание

**Erection / lowering of the CC 6800-1 boom systems to the ground · Aufrichten / Ablegen der CC 6800-1 Auslegersysteme · Montée / placement sur sol des systèmes de flèche de la CC 6800-1 · Montaggio / calata dei sistemi braccio CC 6800-1 a terra · Erección / descenso al terreno del sistema de pluma del CC 6800-1 · Levantamento / descida dos sistemas da lança do CC 6800-1 para o solo · Подъем / опускание системы стрелы крана CC 6800-1 на землю**

| 170-250 t + 0-80 t   |   | Main boom · Hauptausleger · Flèche principale ·<br>Braccio base · Pluma principal · Lança principal · Главная стрела |    |    |     |     |     |     |     |     |     |     |     |     |     |     |
|--|---|--|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Boom combination<br>Auslegervariante<br>Combinaison de flèche<br>Combinazione braccio<br>Combinación de pluma<br>Combinação de lanças<br>Комбинация стрелы | Fly jib<br>Hilfsausleger<br>Fléchette<br>Falcone<br>Plumín<br>Lança auxiliar<br>Стрела с<br>изменяемым<br>вылетом | m  | 36 | 42 | 48  | 54  | 60  | 66  | 72  | 78  | 84  | 90  | 96  | 102 | 108 | 114 |
| SH   |   |  | X  | X  | X   | X   | X   | X   | X   | [X] | [X] | [X] | [X] | –   | –   | –   |
| SH+LF  | 15 m  |  | –  | –  | –   | –   | –   | [X] | [X] | [X] | –   | –   | –   | –   | –   | –   |
|  | 21 m  |  | –  | –  | –   | –   | –   | [X] | [X] | [X] | –   | –   | –   | –   | –   | –   |
|  | 27 m  |  | –  | –  | –   | –   | –   | [X] | [X] | [X] | –   | –   | –   | –   | –   | –   |
|  | 33 m  |  | –  | –  | –   | –   | –   | [X] | [X] | [X] | –   | –   | –   | –   | –   | –   |
| SH / LH  |   | –  | –  | X  | X   | X   | X   | X   | X   | X   | X   | [X] | [X] | [X] | –   |     |
| SH / LH+LF   | 15 m  |  | –  | –  | X   | X   | X   | X   | X   | [X] | [X] | [X] | –   | –   | –   | –   |
|  | 21 m  |  | –  | –  | X   | X   | X   | X   | [X] | [X] | [X] | [X] | –   | –   | –   | –   |
|  | 27 m  |  | –  | –  | X   | X   | X   | X   | [X] | [X] | [X] | [X] | –   | –   | –   | –   |
|  | 33 m  |  | –  | –  | X   | X   | X   | [X] | [X] | [X] | [X] | [X] | –   | –   | –   | –   |
| LH   |   | –  | –  | X  | X   | X   | X   | X   | X   | X   | X   | X   | X   | [X] | [X] |     |
| SW<br>65°, 75°, 85°, 87°   | 24 m  |  | –  | X  | X   | [X] | [X] | –   | –   | –   | –   | –   | –   | –   | –   | –   |
|  | 30 m  |  | –  | X  | X   | [X] | [X] | –   | –   | –   | –   | –   | –   | –   | –   | –   |
|  | 36 m  |  | –  | X  | X   | [X] | [X] | –   | –   | –   | –   | –   | –   | –   | –   | –   |
|  | 42 m  |  | –  | X  | X   | X   | [X] | –   | –   | –   | –   | –   | –   | –   | –   | –   |
|  | 48 m  |  | –  | X  | X   | X   | [X] | –   | –   | –   | –   | –   | –   | –   | –   | –   |
|  | 54 m  |  | –  | X  | X   | X   | [X] | –   | –   | –   | –   | –   | –   | –   | –   | –   |
|  | 60 m  |  | –  | X  | X   | [X] | [X] | –   | –   | –   | –   | –   | –   | –   | –   | –   |
|  | 66 m  |  | –  | X  | X   | [X] | [X] | –   | –   | –   | –   | –   | –   | –   | –   | –   |
|  | 72 m  |  | –  | X  | X   | [X] | –   | –   | –   | –   | –   | –   | –   | –   | –   | –   |
|  | 78 m  |  | –  | X  | X   | [X] | –   | –   | –   | –   | –   | –   | –   | –   | –   | –   |
|  | 84 m  |  | –  | X  | X   | [X] | –   | –   | –   | –   | –   | –   | –   | –   | –   | –   |
| 90 m   |   | –  | X  | X  | [X] | –   | –   | –   | –   | –   | –   | –   | –   | –   | –   |     |
| 96 m   |   | –  | X  | X  | [X] | –   | –   | –   | –   | –   | –   | –   | –   | –   | –   |     |

X without assisting equipment · ohne Zusatzausrüstung · sans équipement aditionnel · senza attrezzatura di supporto ·  
sin equipamiento de asistencia · sem equipamento auxiliar · без вспомогательного оборудования

[X] with additional side jack · mit seitlicher Zusatzabstützung · avec support latéral aditionnel · con martinetto laterale aggiuntivo ·  
con gato lateral adicional · com macaco lateral adicional · с дополнительным боковым домкратом

All Superlift combinations can be erected or lowered to the ground without assisting equipment.

Alle Varianten mit Superlift können ohne Zusatzausrüstung aufgerichtet bzw. abgelegt werden.

Montée et dépose sur sol de toutes les combinaisons avec SL sans équipement aditionnel.

Tutte le combinazioni Superlift possono essere alzate o abbassate a terra senza attrezzatura di supporto.

Todas las combinaciones Superlift se pueden erigir o descender al terreno sin equipamiento de asistencia.

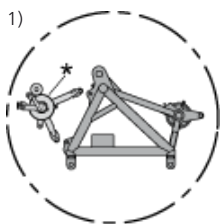
Todas as combinações de Superlift podem ser levantadas ou baixadas ao solo sem equipamentos auxiliares.

Оборудование суперлифт в любой конфигурации поднимается и опускается на землю без вспомогательного оборудования.

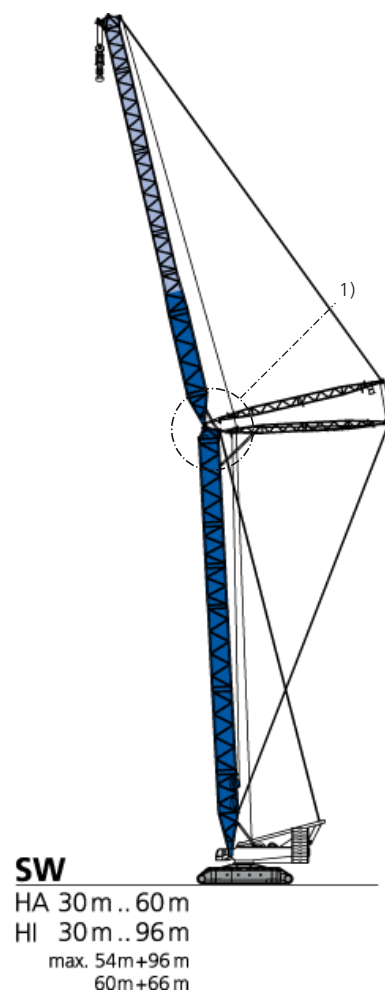
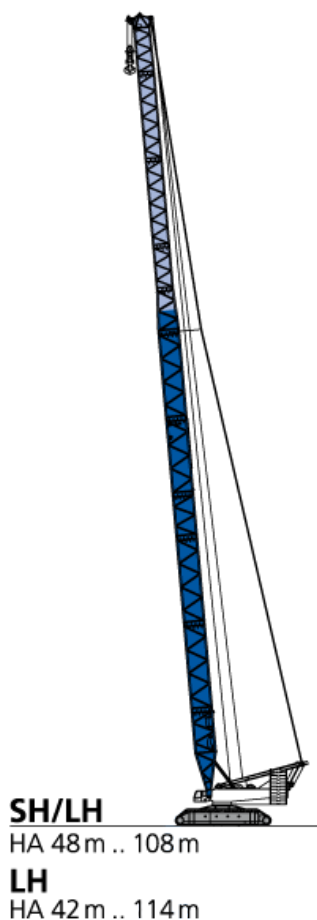
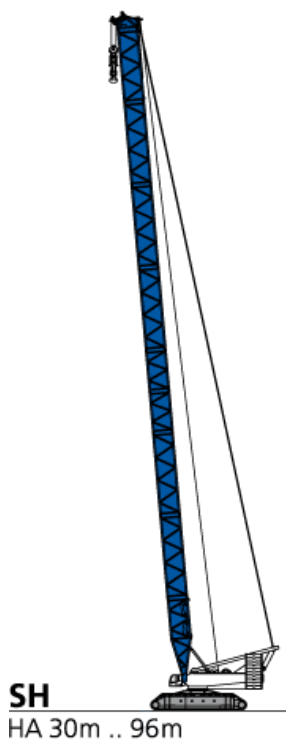
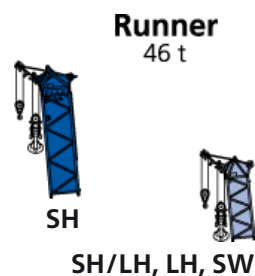
# Boom Combinations

**CC 6800-1**

Ausleger-Kombinationen · Combinaisons de flèche · Combinazioni braccio ·  
 Combinaciones de pluma · Combinações de lanças · Комбинации стрелы



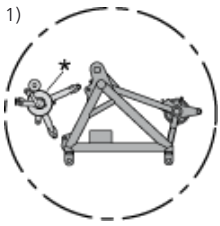
\* Attachable · Anbaubar · Amovible · Montabile ·  
 Acoplable · Adaptável · Приставн



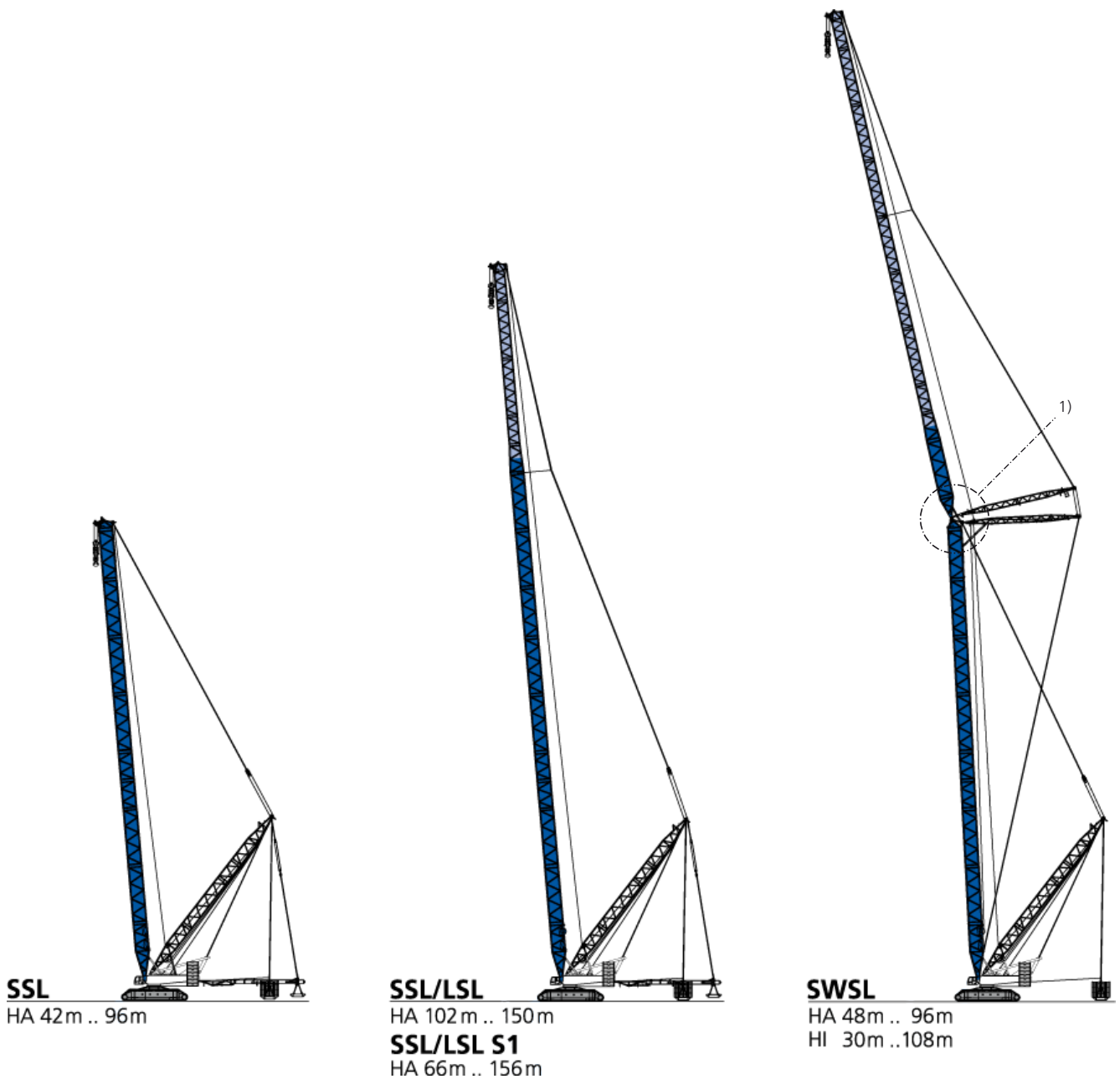
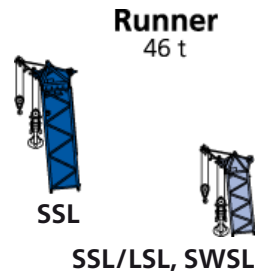
# Boom Combinations

CC 6800-1

Ausleger-Kombinationen · Combinaisons de flèche · Combinazioni braccio ·  
 Combinaciones de pluma · Combinações de lanças · Комбинации стрелы



\* Attachable · Anbaubar · Amovible · Montabile ·  
 Acoplable · Adaptável · Приставн

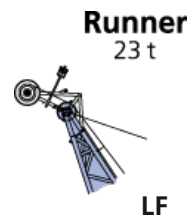
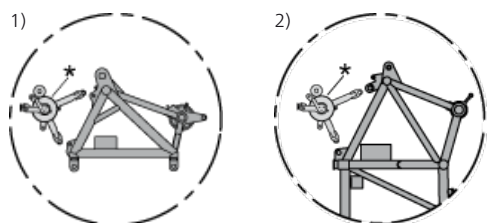




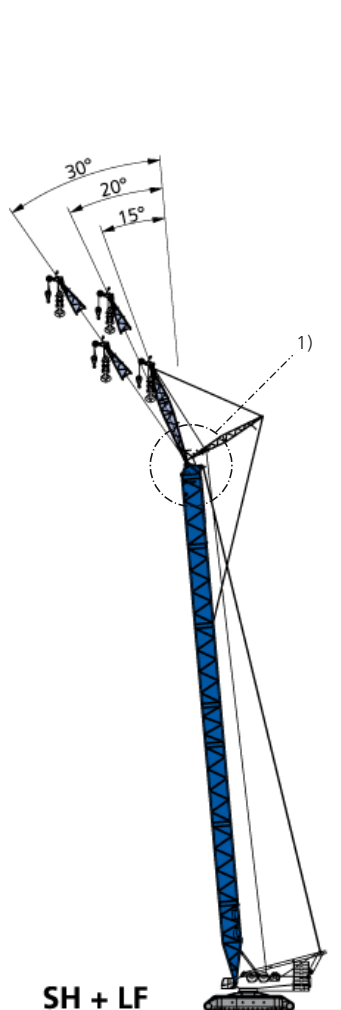
# Boom Combinations

CC 6800-1

Ausleger-Kombinationen · Combinaisons de flèche · Combinazioni braccio ·  
Combinaciones de pluma · Combinações de lanças · Комбинации стрелы

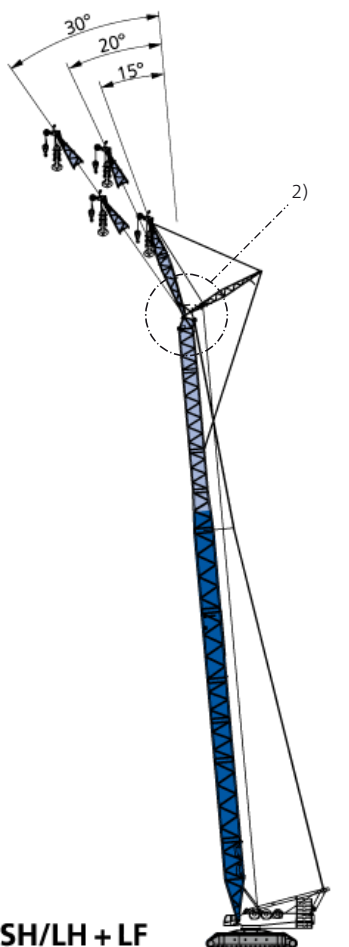


\* Attachable · Anbaubar · Amovible · Montabile ·  
Acoplable · Adaptável · Приставн



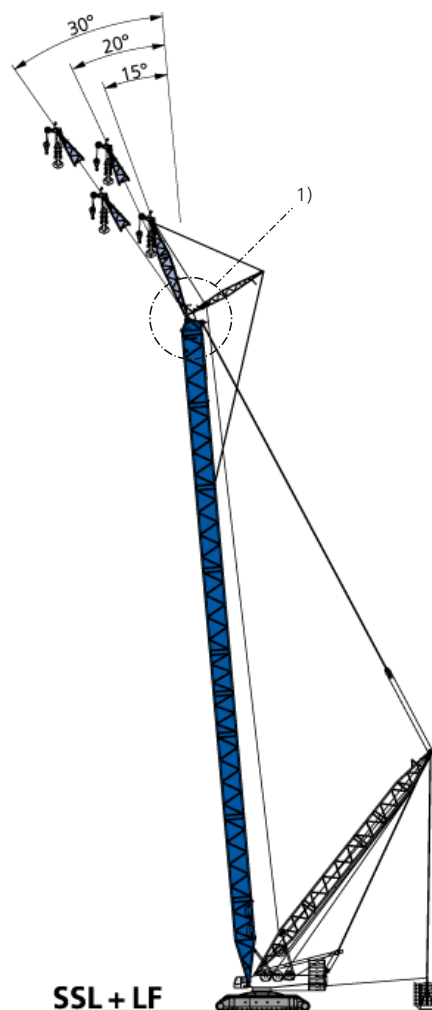
**SH + LF**

HA 66m .. 78m  
LF 15m .. 33m



**SH/LH + LF**

HA 48m .. 90m  
LF 15m .. 33m



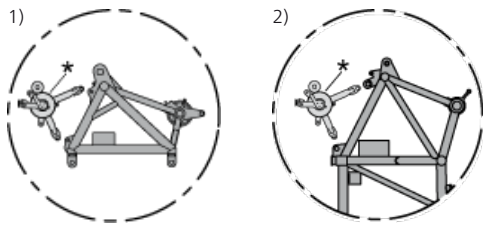
**SSL + LF**

HA 66m .. 96m  
LF 15m .. 33m

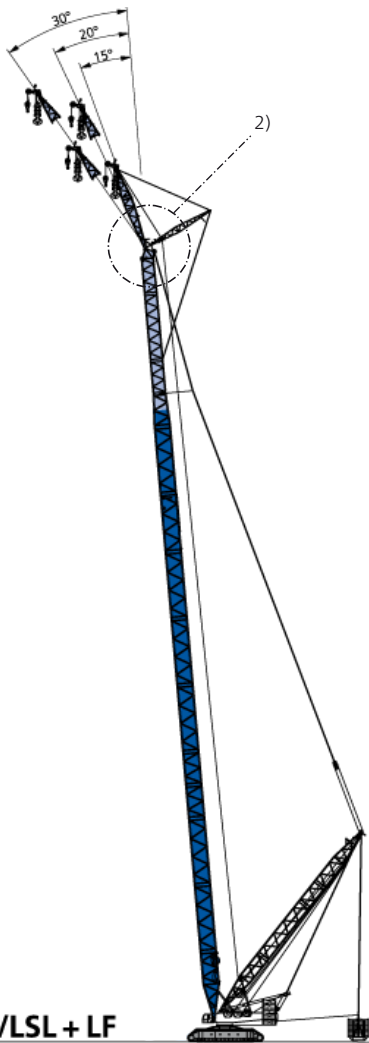
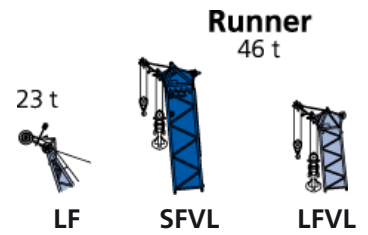
# Boom Combinations

CC 6800-1

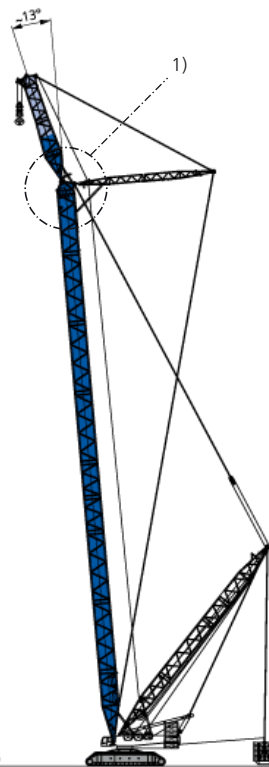
Ausleger-Kombinationen · Combinaisons de flèche · Combinazioni braccio ·  
 Combinaciones de pluma · Combinações de lanças · Комбинации стрелы



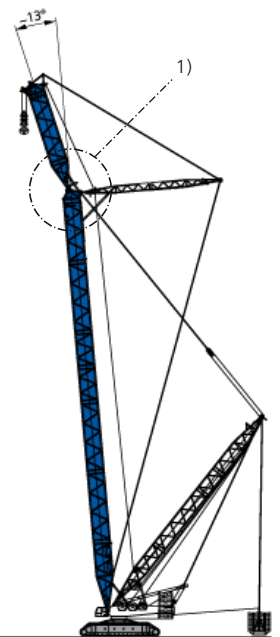
\* Attachable · Anbaubar · Amovible · Montabile ·  
 Acoplable · Adaptável · Приставн



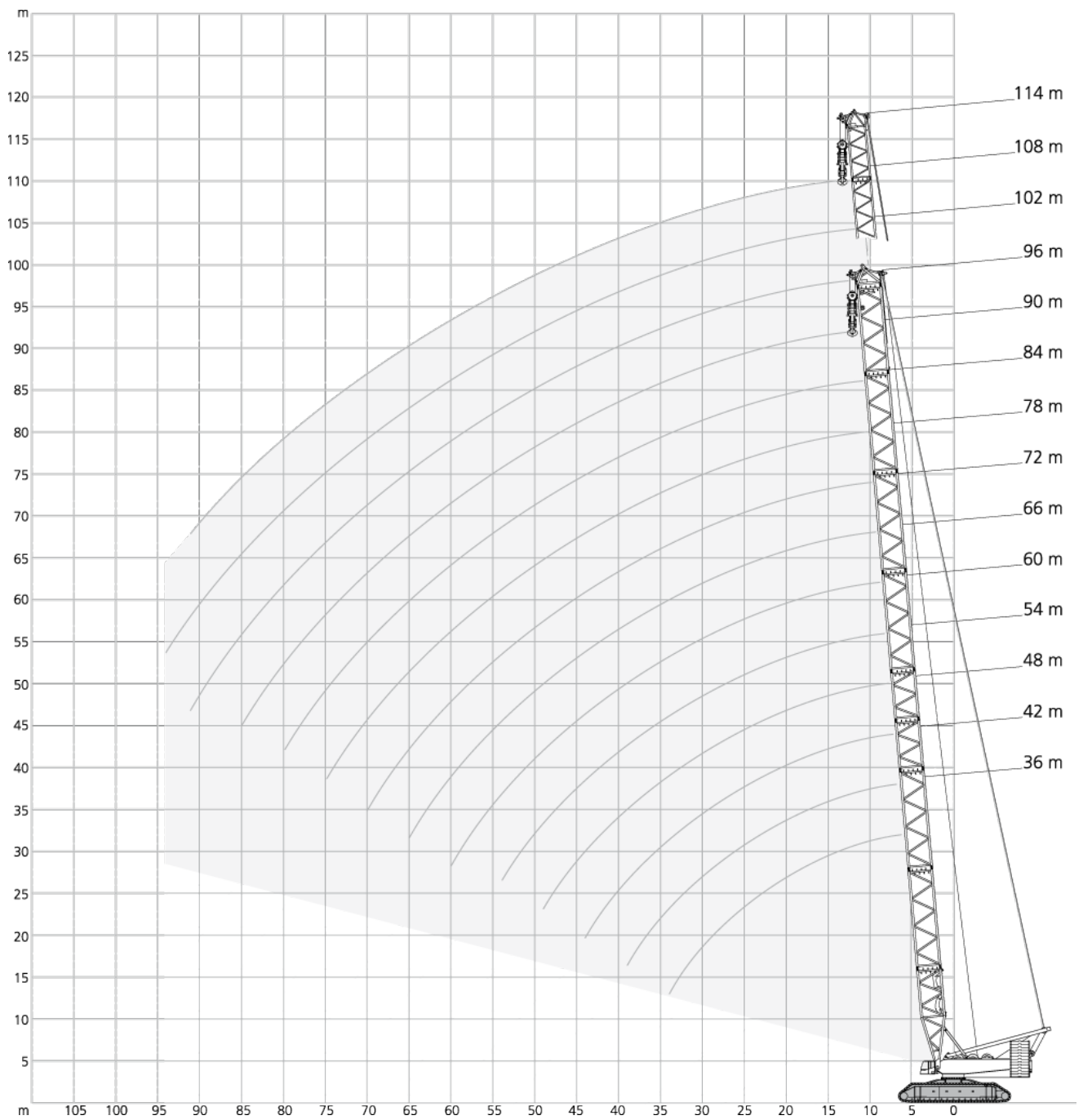
**SSL/LSL + LF**  
 HA 102m .. 150m  
 LF 15m .. 33m  
**SSL/LSL S1 + LF**  
 HA 66m .. 150m  
 LF 15m .. 33m



**LFVL**  
 HA 48m .. 96m






**SFVL**  
 HA 48m .. 72m









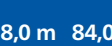
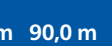

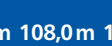





|    | 36,0 m | 42,0 m | 48,0 m | 54,0 m | 60,0 m | 66,0 m | 72,0 m | 78,0 m | 84,0 m | 90,0 m | 96,0 m |    |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|
| m  | t      | t      | t      | t      | t      | t      | t      | t      | t      | t      | t      | m  |
| 7  | 791,0  | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | 7  |
| 8  | 696,0  | 691,0  | 681,0  | -      | -      | -      | -      | -      | -      | -      | -      | 8  |
| 9  | 620,0  | 616,0  | 592,0  | 556,0  | -      | -      | -      | -      | -      | -      | -      | 9  |
| 10 | 559,0  | 554,0  | 523,0  | 493,0  | 466,0  | 441,0  | -      | -      | -      | -      | -      | 10 |
| 11 | 507,0  | 494,0  | 467,0  | 442,0  | 419,0  | 398,0  | 378,0  | 360,0  | -      | -      | -      | 11 |
| 12 | 459,0  | 444,0  | 421,0  | 400,0  | 380,0  | 362,0  | 345,0  | 329,0  | 313,0  | 299,0  | -      | 12 |
| 13 | 418,0  | 403,0  | 383,0  | 365,0  | 348,0  | 332,0  | 316,0  | 302,0  | 288,0  | 276,0  | 250,0  | 13 |
| 14 | 383,0  | 368,0  | 351,0  | 335,0  | 319,0  | 306,0  | 292,0  | 279,0  | 266,0  | 255,0  | 243,0  | 14 |
| 16 | 322,0  | 313,0  | 299,0  | 286,0  | 274,0  | 262,0  | 251,0  | 241,0  | 230,0  | 220,0  | 210,0  | 16 |
| 18 | 267,0  | 265,0  | 259,0  | 249,0  | 238,0  | 229,0  | 219,0  | 210,0  | 201,0  | 192,0  | 184,0  | 18 |
| 20 | 227,0  | 225,0  | 223,0  | 219,0  | 209,0  | 201,0  | 193,0  | 185,0  | 177,0  | 169,0  | 162,0  | 20 |
| 22 | 197,0  | 194,0  | 192,0  | 190,0  | 186,0  | 179,0  | 171,0  | 164,0  | 157,0  | 150,0  | 143,0  | 22 |
| 24 | 172,0  | 170,0  | 167,0  | 165,0  | 163,0  | 160,0  | 153,0  | 147,0  | 140,0  | 134,0  | 127,0  | 24 |
| 26 | 153,0  | 150,0  | 148,0  | 146,0  | 144,0  | 142,0  | 138,0  | 132,0  | 126,0  | 120,0  | 114,0  | 26 |
| 28 | 137,0  | 134,0  | 132,0  | 129,0  | 127,0  | 126,0  | 124,0  | 119,0  | 113,0  | 108,0  | 102,0  | 28 |
| 30 | 124,0  | 121,0  | 118,0  | 116,0  | 114,0  | 112,0  | 111,0  | 108,0  | 102,0  | 97,5   | 92,0   | 30 |
| 34 | 103,0  | 100,0  | 97,0   | 94,5   | 92,5   | 91,0   | 89,0   | 87,0   | 84,0   | 79,5   | 74,5   | 34 |
| 38 | -      | 84,0   | 81,0   | 78,5   | 76,0   | 74,5   | 72,0   | 70,0   | 67,5   | 65,5   | 60,5   | 38 |
| 39 | -      | 81,0   | 77,7   | 75,2   | 72,5   | 70,7   | 68,5   | 66,2   | 63,7   | 61,7   | 57,5   | 39 |
| 42 | -      | -      | 69,0   | 66,2   | 63,0   | 61,0   | 58,7   | 56,5   | 53,6   | 51,5   | 48,5   | 42 |
| 44 | -      | -      | 63,5   | 60,5   | 57,0   | 55,0   | 52,5   | 50,5   | 47,9   | 45,9   | 42,6   | 44 |
| 46 | -      | -      | -      | 55,7   | 52,4   | 50,3   | 47,7   | 45,5   | 42,9   | 40,8   | 37,3   | 46 |
| 49 | -      | -      | -      | 49,4   | 45,9   | 43,5   | 41,0   | 38,6   | 35,7   | 33,7   | 30,4   | 49 |
| 50 | -      | -      | -      | -      | 43,9   | 41,6   | 39,0   | 36,6   | 33,6   | 31,7   | 28,3   | 50 |
| 54 | -      | -      | -      | -      | 37,0   | 34,5   | 31,5   | 29,2   | 26,3   | 24,1   | 20,6   | 54 |
| 58 | -      | -      | -      | -      | -      | 28,6   | 25,5   | 22,9   | 19,8   | 17,7   | 14,3   | 58 |
| 60 | -      | -      | -      | -      | -      | 25,9   | 22,7   | 20,1   | 17,0   | 14,8   | 11,4   | 60 |
| 62 | -      | -      | -      | -      | -      | -      | 20,3   | 17,6   | 14,5   | 12,2   | 8,8    | 62 |
| 63 | -      | -      | -      | -      | -      | -      | 19,1   | 16,4   | 13,3   | 10,9   | 7,5    | 63 |
| 65 | -      | -      | -      | -      | -      | -      | 17,0   | 14,1   | 11,0   | 8,6    | -      | 65 |
| 66 | -      | -      | -      | -      | -      | -      | -      | 13,1   | 10,0   | 7,5    | -      | 66 |
| 68 | -      | -      | -      | -      | -      | -      | -      | 11,1   | 7,9    | -      | -      | 68 |
| 70 | -      | -      | -      | -      | -      | -      | -      | 9,3    | -      | -      | -      | 70 |


250 t  
 80 t

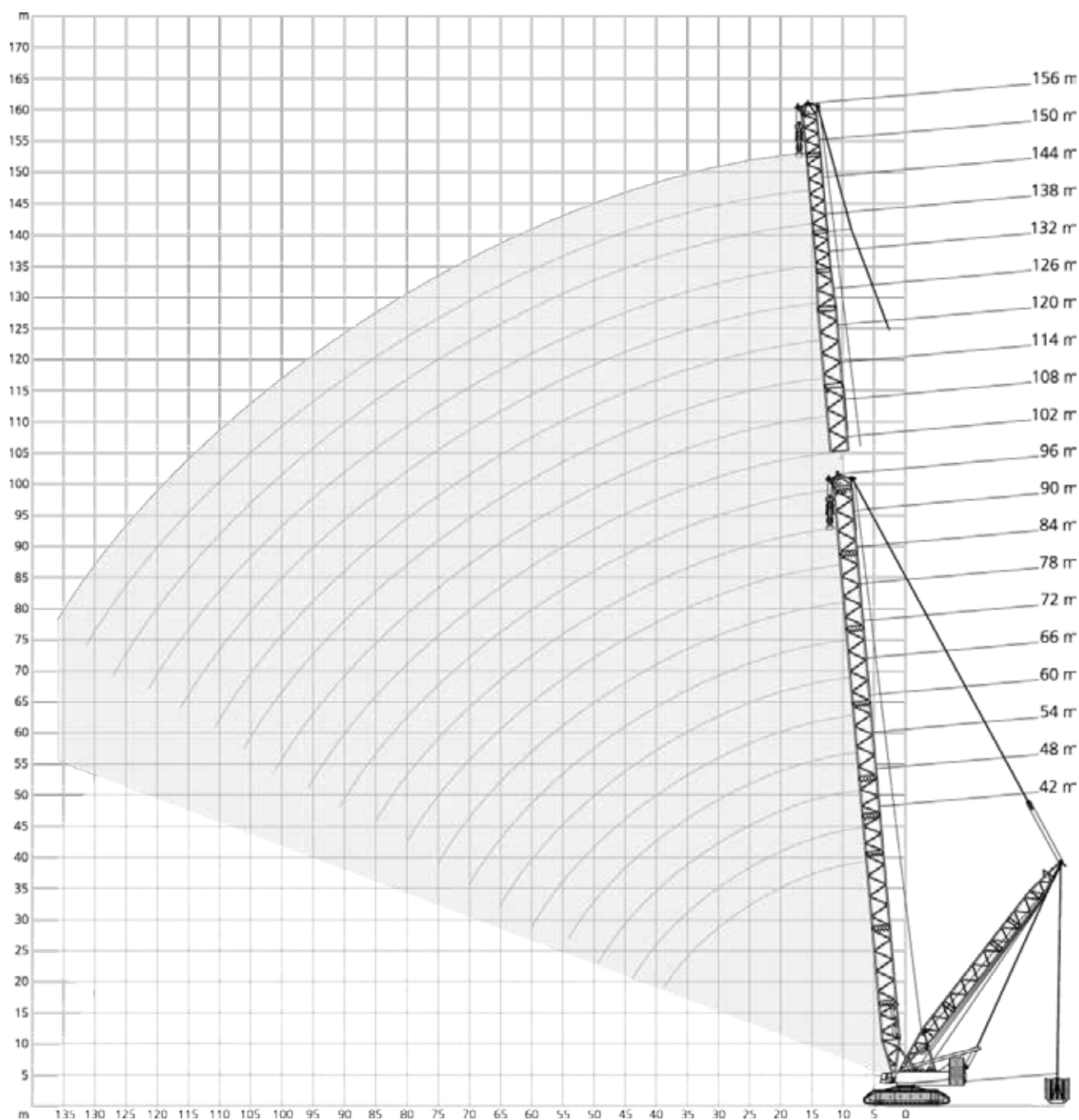
|  <span style="margin-left: 100px;"> 9,60 m</span> <span style="margin-left: 100px;"> 9.8 m/s</span> <span style="margin-left: 100px;">360°</span> <span style="float: right;">ISO</span> |        |        |        |        |        |        |        |        |        |         |         |    |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|----|
|   | 48,0 m | 54,0 m | 60,0 m | 66,0 m | 72,0 m | 78,0 m | 84,0 m | 90,0 m | 96,0 m | 102,0 m | 108,0 m |    |
| m   | t      | t      | t      | t      | t      | t      | t      | t      | t      | t       | t       | m  |
| 8   | 506,0  | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | 8  |
| 9   | 506,0  | 506,0  | 506,0  | -      | -      | -      | -      | -      | -      | -       | -       | 9  |
| 10  | 506,0  | 501,0  | 474,0  | 451,0  | 429,0  | -      | -      | -      | -      | -       | -       | 10 |
| 11  | 468,0  | 455,0  | 431,5  | 412,0  | 393,0  | 373,0  | 357,0  | -      | -      | -       | -       | 11 |
| 12  | 430,0  | 409,0  | 389,0  | 373,0  | 357,0  | 342,0  | 328,0  | 315,0  | 300,0  | -       | -       | 12 |
| 13  | 395,0  | 376,5  | 359,0  | 344,5  | 330,5  | 317,5  | 305,0  | 293,0  | 279,5  | 268,0   | 242,0   | 13 |
| 14  | 360,0  | 344,0  | 329,0  | 316,0  | 304,0  | 293,0  | 282,0  | 271,0  | 259,0  | 250,0   | 241,0   | 14 |
| 16  | 309,0  | 296,0  | 283,0  | 274,0  | 263,0  | 254,0  | 245,0  | 237,0  | 226,0  | 219,0   | 212,0   | 16 |
| 18  | 269,0  | 258,0  | 248,0  | 240,0  | 232,0  | 224,0  | 217,0  | 210,0  | 200,0  | 194,0   | 188,0   | 18 |
| 20  | 231,0  | 229,0  | 220,0  | 213,0  | 206,0  | 199,0  | 193,0  | 187,0  | 178,0  | 173,0   | 168,0   | 20 |
| 22  | 203,5  | 201,5  | 196,0  | 192,5  | 186,5  | 180,5  | 175,0  | 169,5  | 161,5  | 156,5   | 152,0   | 22 |
| 24  | 176,0  | 174,0  | 172,0  | 172,0  | 167,0  | 162,0  | 157,0  | 152,0  | 145,0  | 140,0   | 136,0   | 24 |
| 26  | 158,5  | 156,0  | 154,0  | 154,0  | 151,5  | 148,0  | 143,5  | 139,0  | 132,5  | 128,0   | 124,5   | 26 |
| 28  | 141,0  | 138,0  | 136,0  | 136,0  | 136,0  | 134,0  | 130,0  | 126,0  | 120,0  | 116,0   | 113,0   | 28 |
| 30  | 128,5  | 125,5  | 123,5  | 123,5  | 123,0  | 122,0  | 119,5  | 116,0  | 110,0  | 106,7   | 104,0   | 30 |
| 34  | 106,7  | 103,7  | 101,7  | 101,5  | 100,7  | 100,5  | 99,5   | 97,7   | 92,5   | 90,0    | 87,5    | 34 |
| 38  | 90,5   | 87,5   | 85,2   | 85,0   | 84,2   | 83,7   | 82,7   | 82,2   | 78,2   | 76,2    | 74,0    | 38 |
| 42  | 78,2   | 75,3   | 72,6   | 72,5   | 71,5   | 71,0   | 70,0   | 69,3   | 65,6   | 64,1    | 62,5    | 42 |
| 44  | 73,0   | 70,1   | 67,3   | 67,0   | 66,0   | 65,5   | 64,5   | 63,6   | 59,8   | 58,3    | 57,0    | 44 |
| 46  | -      | 65,0   | 62,0   | 61,5   | 60,5   | 60,0   | 59,0   | 58,0   | 54,0   | 52,5    | 51,5    | 46 |
| 49  | -      | 59,0   | 56,2   | 55,5   | 54,4   | 53,6   | 52,5   | 51,6   | 47,5   | 46,0    | 44,9    | 49 |
| 50  | -      | -      | 54,3   | 53,5   | 52,3   | 51,5   | 50,3   | 49,5   | 45,3   | 43,9    | 42,7    | 50 |
| 54  | -      | -      | 47,3   | 46,5   | 45,1   | 44,0   | 42,7   | 41,9   | 37,5   | 36,2    | 35,3    | 54 |
| 58  | -      | -      | -      | 40,3   | 38,7   | 37,5   | 36,2   | 35,3   | 31,0   | 29,6    | 28,6    | 58 |
| 59  | -      | -      | -      | 39,0   | 37,4   | 36,1   | 34,7   | 34,0   | 29,6   | 28,1    | 27,2    | 59 |
| 62  | -      | -      | -      | -      | 33,6   | 32,3   | 30,9   | 30,1   | 25,5   | 24,2    | 23,2    | 62 |
| 65  | -      | -      | -      | -      | 30,3   | 28,9   | 27,3   | 26,4   | 22,0   | 20,5    | 19,5    | 65 |
| 66  | -      | -      | -      | -      | -      | 27,9   | 26,3   | 25,3   | 21,0   | 19,5    | 18,4    | 66 |
| 70  | -      | -      | -      | -      | -      | 24,1   | 22,3   | 21,2   | 16,8   | 15,3    | 14,2    | 70 |
| 74  | -      | -      | -      | -      | -      | -      | 19,0   | 17,8   | 13,3   | 11,8    | 10,7    | 74 |
| 75  | -      | -      | -      | -      | -      | -      | 18,2   | 17,0   | 12,5   | 10,9    | 9,8     | 75 |
| 78  | -      | -      | -      | -      | -      | -      | -      | 14,8   | 10,3   | 8,6     | 7,5     | 78 |
| 80  | -      | -      | -      | -      | -      | -      | -      | 13,4   | 8,9    | 7,2     | 6,1     | 80 |
| 81  | -      | -      | -      | -      | -      | -      | -      | -      | 8,2    | 6,5     | 5,4     | 81 |
| 82  | -      | -      | -      | -      | -      | -      | -      | -      | 7,5    | 5,8     | -       | 82 |
| 83  | -      | -      | -      | -      | -      | -      | -      | -      | 6,9    | 5,2     | -       | 83 |
| 85  | -      | -      | -      | -      | -      | -      | -      | -      | 5,7    | -       | -       | 85 |

 210 t     250 t  
 40 t     80 t

|    |       |         |       |  9,60 m |       |  9.8 m/s |       | 360°   |       | ISO  |       |  |       |   |   |  |   |  |   |  |   |   |   |   |   |   |    |
|----|-------|--|-------|--|-------|---|-------|--|-------|--|-------|--|-------|---|---|--|---|--|---|--|---|---|---|---|---|---|----|
|    |       |  42,0 m |       |  48,0 m |       |  54,0 m  |       |  60,0 m |       |  66,0 m |       |  72,0 m |       |  78,0 m |   |  84,0 m |   |  90,0 m |   |  96,0 m |   |  102,0 m |   |  108,0 m |   |  114,0 m |    |
| m  | t     | t  | t     | t  | t     | t   | t     | t  | t     | t  | t     | t  | t     | t   | t | t  | t | t  | t | t  | t | t   | t | t   | t | t   | m  |
| 8  | 506,0 | 506,0  | -     | -  | -     | -   | -     | -  | -     | -  | -     | -  | -     | -   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 8  |
| 9  | 506,0 | 506,0  | 506,0 | 493,0  | -     | -   | -     | -  | -     | -  | -     | -  | -     | -   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 9  |
| 10 | 506,0 | 506,0  | 505,0 | 480,0  | 431,0 | 360,0   | -     | -  | -     | -  | -     | -  | -     | -   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 10 |
| 11 | 480,0 | 469,5  | 459,0 | 438,0  | 405,0 | 354,0   | 288,0 | 258,0  | -     | -  | -     | -  | -     | -   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 11 |
| 12 | 454,0 | 433,0  | 413,0 | 396,0  | 379,0 | 348,0   | 288,0 | 258,0  | 231,0 | 187,0  | -     | -  | -     | -   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 12 |
| 13 | 416,0 | 398,0  | 381,0 | 365,5  | 350,5 | 329,0   | 283,5 | 255,5  | 229,0 | 187,0  | 167,0 | 143,0  | -     | -   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 13 |
| 14 | 378,0 | 363,0  | 349,0 | 335,0  | 322,0 | 310,0   | 279,0 | 253,0  | 227,0 | 187,0  | 167,0 | 143,0  | 121,0 | -   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 14 |
| 16 | 323,0 | 312,0  | 301,0 | 290,0  | 280,0 | 270,0   | 260,0 | 244,0  | 220,0 | 181,0  | 165,0 | 141,0  | 121,0 | 117,0   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 16 |
| 18 | 275,0 | 273,0  | 263,0 | 255,0  | 246,0 | 239,0   | 230,0 | 223,0  | 212,0 | 175,0  | 161,0 | 137,0  | 117,0 | 117,0   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 18 |
| 20 | 235,0 | 234,0  | 233,0 | 227,0  | 220,0 | 213,0   | 205,0 | 200,0  | 193,0 | 169,0  | 156,0 | 134,0  | 113,0 | 113,0   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 20 |
| 22 | 207,5 | 206,5  | 205,5 | 202,5  | 199,0 | 193,5   | 186,5 | 182,0  | 176,0 | 162,0  | 152,0 | 130,0  | 109,5 | 109,5   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 22 |
| 24 | 180,0 | 179,0  | 178,0 | 178,0  | 178,0 | 174,0   | 168,0 | 164,0  | 159,0 | 155,0  | 148,0 | 126,0  | 106,0 | 106,0   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 24 |
| 26 | 162,0 | 161,5  | 160,0 | 160,0  | 160,0 | 157,5   | 154,0 | 150,5  | 146,0 | 142,5  | 137,0 | 123,5  | 103,0 | 103,0   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 26 |
| 28 | 144,0 | 144,0  | 142,0 | 142,0  | 142,0 | 141,0   | 140,0 | 137,0  | 133,0 | 130,0  | 126,0 | 121,0  | 100,0 | 100,0   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 28 |
| 30 | 131,5 | 131,5  | 129,5 | 129,5  | 129,0 | 128,5   | 127,5 | 125,5  | 123,0 | 120,5  | 116,5 | 112,5  | 98,0  | 98,0  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 30 |
| 34 | 110,0 | 109,5  | 108,0 | 107,7  | 107,0 | 106,7   | 105,5 | 105,0  | 104,0 | 102,5  | 99,7  | 97,0   | 91,5  | 91,5  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 34 |
| 38 | 94,3  | 93,2   | 92,0  | 91,5   | 90,7  | 90,2  | 88,7  | 88,7   | 87,7  | 86,7   | 85,2  | 83,7   | 81,2  | 81,2  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 38 |
| 39 | 91,0  | 89,8   | 88,5  | 88,0   | 87,1  | 86,6  | 85,1  | 85,1   | 84,1  | 83,1   | 81,6  | 80,6   | 78,3  | 78,3  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 39 |
| 42 | -     | 81,2   | 79,8  | 79,1   | 78,1  | 77,6  | 76,0  | 76,0   | 75,0  | 74,0   | 72,5  | 72,0   | 70,0  | 70,0  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 42 |
| 44 | -     | 76,0   | 74,6  | 73,8   | 72,8  | 72,3  | 70,5  | 70,5   | 69,5  | 68,5   | 67,0  | 66,5   | 64,5  | 64,5  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 44 |
| 46 | -     | -  | 69,5  | 68,5   | 67,5  | 67,0  | 65,0  | 65,0   | 64,0  | 63,0   | 61,5  | 61,0   | 59,0  | 59,0  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 46 |
| 49 | -     | -  | 63,5  | 62,7   | 61,5  | 61,0  | 59,0  | 59,0   | 57,7  | 56,7   | 55,2  | 54,5   | 52,6  | 52,6  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 49 |
| 50 | -     | -  | -     | 60,8   | 59,5  | 59,0  | 57,0  | 57,0   | 55,6  | 54,6   | 53,1  | 52,3   | 50,4  | 50,4  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 50 |
| 54 | -     | -  | -     | 54,0   | 52,7  | 52,0  | 49,9  | 49,7   | 48,3  | 47,3   | 45,6  | 44,6   | 42,8  | 42,8  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 54 |
| 58 | -     | -  | -     | -  | 47,1  | 46,0  | 43,8  | 43,3   | 42,0  | 40,9   | 39,0  | 38,0   | 36,1  | 36,1  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 58 |
| 59 | -     | -  | -     | -  | 45,8  | 44,7  | 42,5  | 42,0   | 40,7  | 39,6   | 37,6  | 36,6   | 34,7  | 34,7  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 59 |
| 62 | -     | -  | -     | -  | -     | 41,1  | 38,7  | 38,1   | 36,8  | 35,7   | 33,6  | 32,5   | 30,8  | 30,8  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 62 |
| 65 | -     | -  | -     | -  | -     | 37,7  | 35,2  | 34,5   | 33,1  | 31,9   | 30,1  | 29,0   | 27,0  | 27,0  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 65 |
| 66 | -     | -  | -     | -  | -     | -   | 34,2  | 33,5   | 32,0  | 30,8   | 29,0  | 27,9   | 25,9  | 25,9  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 66 |
| 70 | -     | -  | -     | -  | -     | -   | 30,4  | 29,5   | 28,0  | 26,8   | 24,8  | 23,7   | 21,8  | 21,8  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 70 |
| 74 | -     | -  | -     | -  | -     | -   | -     | 26,2   | 24,6  | 23,3   | 21,3  | 20,3   | 18,3  | 18,3  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 74 |
| 75 | -     | -  | -     | -  | -     | -   | -     | 25,4   | 23,8  | 22,5   | 20,5  | 19,4   | 17,4  | 17,4  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 75 |
| 78 | -     | -  | -     | -  | -     | -   | -     | -  | 21,5  | 20,3   | 18,3  | 17,1   | 15,1  | 15,1  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 78 |
| 80 | -     | -  | -     | -  | -     | -   | -     | -  | 20,2  | 18,9   | 16,9  | 15,7   | 13,6  | 13,6  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 80 |
| 82 | -     | -  | -     | -  | -     | -   | -     | -  | -     | 17,6   | 15,5  | 14,3   | 12,3  | 12,3  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 82 |
| 85 | -     | -  | -     | -  | -     | -   | -     | -  | -     | 15,8   | 13,7  | 12,4   | 10,5  | 10,5  | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 85 |
| 86 | -     | -  | -     | -  | -     | -   | -     | -  | -     | -  | 13,1  | 11,9   | 9,9   | 9,9   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 86 |
| 90 | -     | -  | -     | -  | -     | -   | -     | -  | -     | -  | 11,0  | 9,8  | 7,7   | 7,7   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 90 |
| 91 | -     | -  | -     | -  | -     | -   | -     | -  | -     | -  | 10,6  | 9,3  | 7,2   | 7,2   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 91 |
| 94 | -     | -  | -     | -  | -     | -   | -     | -  | -     | -  | -     | 7,9  | 5,7   | 5,7   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 94 |
| 95 | -     | -  | -     | -  | -     | -   | -     | -  | -     | -  | -     | 7,4  | 5,3   | 5,3   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 95 |
| 96 | -     | -  | -     | -  | -     | -   | -     | -  | -     | -  | -     | 7,0  | -     | -   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 96 |
| 98 | -     | -  | -     | -  | -     | -   | -     | -  | -     | -  | -     | -  | -     | -   | - | -  | - | -  | - | -  | - | -   | - | -   | - | -   | 98 |

 130 t  170 t  210 t  250 t

 0 t  0 t  40 t  80 t





| 170-250 t + 0-80 t 15-30 m 9,60 m 9.8 m/s 360° ISO |       |        |        |         |        |        |       |         |        |        |       |         |       |        |    |
|--|-------|--------|--------|---------|--------|--------|-------|---------|--------|--------|-------|---------|-------|--------|----|
| 42 m   |       |        |        | 48 m    |        |        |       | 54 m    |        |        |       | 60 m    |       |        |    |
| 0 t  |       | 0-450t |        | 0 t     |        | 0-450t |       | 0 t     |        | 0-450t |       | 0 t     |       | 0-450t |    |
| 15-24 m  |       | 24-30m |        | 15-24 m |        | 24-30m |       | 15-24 m |        | 24-30m |       | 15-24 m |       | 24-30m |    |
| m  | t     | t      | t      | t       | t      | t      | t     | t       | t      | t      | t     | t       | t     | t      | m  |
| 8  | 761,0 | 1250,0 | 1250,0 | 757,0   | 1186,0 | 1186,0 | -     | -       | -      | -      | -     | -       | -     | -      | 8  |
| 9  | 678,0 | 1246,0 | 1250,0 | 674,0   | 1186,0 | 1186,0 | 645,0 | 1037,0  | 1037,0 | -      | -     | -       | -     | -      | 9  |
| 10   | 602,0 | 1243,0 | 1244,0 | 602,0   | 1186,0 | 1186,0 | 573,0 | 1037,0  | 1037,0 | 542,0  | 959,0 | 959,0   | 959,0 | 959,0  | 10 |
| 12   | 470,0 | 1127,0 | 1217,0 | 468,0   | 1123,0 | 1177,0 | 467,0 | 1037,0  | 1037,0 | 445,0  | 959,0 | 959,0   | 959,0 | 959,0  | 12 |
| 14   | 382,0 | 988,0  | 1129,0 | 379,0   | 984,0  | 1126,0 | 378,0 | 981,0   | 1037,0 | 375,0  | 959,0 | 959,0   | 959,0 | 959,0  | 14 |
| 16   | 329,0 | 865,0  | 991,0  | 316,0   | 861,0  | 988,0  | 314,0 | 858,0   | 984,0  | 313,0  | 855,0 | 959,0   | 959,0 | 959,0  | 16 |
| 18   | 281,0 | 768,0  | 847,0  | 278,0   | 764,0  | 877,0  | 267,0 | 761,0   | 874,0  | 266,0  | 758,0 | 871,0   | 871,0 | 871,0  | 18 |
| 20   | 244,0 | 690,0  | 735,0  | 241,0   | 686,0  | 788,0  | 239,0 | 683,0   | 785,0  | 229,0  | 680,0 | 782,0   | 782,0 | 782,0  | 20 |
| 22   | 214,0 | 625,0  | 645,0  | 211,0   | 622,0  | 696,0  | 209,0 | 619,0   | 712,0  | 207,0  | 616,0 | 709,0   | 709,0 | 709,0  | 22 |
| 24   | 190,0 | 568,0  | 570,0  | 187,0   | 568,0  | 619,0  | 184,0 | 565,0   | 651,0  | 182,0  | 562,0 | 647,0   | 647,0 | 647,0  | 24 |
| 26   | 170,0 | 505,0  | 508,0  | 167,0   | 522,0  | 554,0  | 164,0 | 519,0   | 585,0  | 162,0  | 516,0 | 595,0   | 595,0 | 595,0  | 26 |
| 28   | 153,0 | 451,0  | 454,0  | 150,0   | 483,0  | 498,0  | 147,0 | 480,0   | 529,0  | 144,0  | 477,0 | 549,0   | 549,0 | 549,0  | 28 |
| 30   | 139,0 | 416,0  | 407,0  | 135,0   | 447,0  | 450,0  | 132,0 | 446,0   | 480,0  | 130,0  | 442,0 | 501,0   | 501,0 | 501,0  | 30 |
| 34   | 115,0 | 340,0  | 328,0  | 112,0   | 368,0  | 370,0  | 109,0 | 389,0   | 400,0  | 106,0  | 386,0 | 421,0   | 421,0 | 421,0  | 34 |
| 38   | 98,0  | 285,0  | 261,0  | 94,0    | 315,0  | 305,0  | 91,0  | 334,0   | 336,0  | 88,0   | 341,0 | 357,0   | 357,0 | 357,0  | 38 |
| 39   | 94,0  | 269,0  | 245,0  | 90,2    | 301,0  | 291,0  | 87,2  | 320,0   | 322,0  | 84,0   | 331,5 | 343,5   | 343,5 | 343,5  | 39 |
| 42   | -     | -      | -      | 80,2    | 261,0  | 250,5  | 77,0  | 281,5   | 283,5  | 73,5   | 301,0 | 306,0   | 306,0 | 306,0  | 42 |
| 44   | -     | -      | -      | 74,0    | 237,0  | 224,0  | 70,5  | 262,0   | 259,0  | 67,0   | 280,0 | 282,0   | 282,0 | 282,0  | 44 |
| 46   | -     | -      | -      | -       | -      | -      | 65,2  | 243,5   | 237,0  | 61,7   | 259,5 | 261,5   | 261,5 | 261,5  | 46 |
| 49   | -     | -      | -      | -       | -      | -      | 58,0  | 214,0   | 204,0  | 54,3   | 229,7 | 231,7   | 231,7 | 231,7  | 49 |
| 50   | -     | -      | -      | -       | -      | -      | -     | -       | -      | 52,2   | 223,0 | 222,5   | 222,5 | 222,5  | 50 |
| 54   | -     | -      | -      | -       | -      | -      | -     | -       | -      | 44,1   | 195,0 | 186,0   | 186,0 | 186,0  | 54 |

| 66 m 72 m 78 m |       |        |       |         |       |        |       |         |       |        |       |       |    |
|----------------|-------|--------|-------|---------|-------|--------|-------|---------|-------|--------|-------|-------|----|
| 66 m           |       |        |       | 72 m    |       |        |       | 78 m    |       |        |       |       |    |
| 0 t            |       | 0-450t |       | 0 t     |       | 0-450t |       | 0 t     |       | 0-450t |       |       |    |
| 15-24 m        |       | 24-30m |       | 15-24 m |       | 24-30m |       | 15-24 m |       | 24-30m |       |       |    |
| m              | t     | t      | t     | t       | t     | t      | t     | t       | t     | t      | t     | t     | m  |
| 10             | 514,0 | 841,0  | 841,0 | -       | -     | -      | -     | -       | -     | -      | -     | -     | 10 |
| 11             | 465,0 | 841,0  | 841,0 | 443,0   | 760,0 | 760,0  | 422,0 | 677,0   | 679,0 | 679,0  | 679,0 | 679,0 | 11 |
| 12             | 424,0 | 841,0  | 841,0 | 404,0   | 760,0 | 760,0  | 387,0 | 677,0   | 679,0 | 679,0  | 679,0 | 679,0 | 12 |
| 14             | 359,0 | 841,0  | 841,0 | 343,0   | 760,0 | 760,0  | 329,0 | 677,0   | 679,0 | 679,0  | 679,0 | 679,0 | 14 |
| 16             | 310,0 | 841,0  | 841,0 | 297,0   | 760,0 | 760,0  | 285,0 | 677,0   | 679,0 | 679,0  | 679,0 | 679,0 | 16 |
| 18             | 265,0 | 756,0  | 841,0 | 260,0   | 749,0 | 760,0  | 250,0 | 677,0   | 679,0 | 679,0  | 679,0 | 679,0 | 18 |
| 20             | 228,0 | 678,0  | 780,0 | 227,0   | 675,0 | 760,0  | 222,0 | 666,0   | 679,0 | 679,0  | 679,0 | 679,0 | 20 |
| 22             | 206,0 | 613,0  | 707,0 | 197,0   | 611,0 | 704,0  | 196,0 | 608,0   | 679,0 | 679,0  | 679,0 | 679,0 | 22 |
| 24             | 181,0 | 560,0  | 645,0 | 180,0   | 557,0 | 642,0  | 172,0 | 554,0   | 640,0 | 640,0  | 640,0 | 640,0 | 24 |
| 26             | 160,0 | 514,0  | 593,0 | 159,0   | 511,0 | 590,0  | 157,0 | 509,0   | 588,0 | 588,0  | 588,0 | 588,0 | 26 |
| 28             | 143,0 | 474,0  | 548,0 | 141,0   | 472,0 | 545,0  | 140,0 | 469,0   | 543,0 | 543,0  | 543,0 | 543,0 | 28 |
| 30             | 128,0 | 440,0  | 509,0 | 126,0   | 437,0 | 506,0  | 124,0 | 435,0   | 504,0 | 504,0  | 504,0 | 504,0 | 30 |
| 34             | 104,0 | 384,0  | 435,0 | 102,0   | 381,0 | 442,0  | 100,0 | 378,0   | 439,0 | 439,0  | 439,0 | 439,0 | 34 |
| 38             | 86,0  | 339,0  | 372,0 | 83,5    | 336,0 | 381,0  | 81,5  | 333,0   | 385,0 | 385,0  | 385,0 | 385,0 | 38 |
| 42             | 71,5  | 303,5  | 322,5 | 69,2    | 300,5 | 332,0  | 66,7  | 297,5   | 337,0 | 337,0  | 337,0 | 337,0 | 42 |
| 46             | 59,5  | 272,0  | 279,0 | 57,0    | 270,0 | 289,5  | 54,6  | 267,5   | 296,0 | 296,0  | 296,0 | 296,0 | 46 |
| 50             | 49,7  | 239,5  | 241,5 | 47,0    | 244,0 | 253,5  | 44,6  | 242,0   | 261,0 | 261,0  | 261,0 | 261,0 | 50 |
| 54             | 41,6  | 206,0  | 208,0 | 38,6    | 218,5 | 222,0  | 36,1  | 219,5   | 230,5 | 230,5  | 230,5 | 230,5 | 54 |
| 58             | 34,7  | 180,5  | 177,0 | 31,5    | 191,5 | 193,0  | 28,8  | 199,0   | 203,0 | 203,0  | 203,0 | 203,0 | 58 |
| 60             | 31,6  | 170,0  | 162,0 | 28,2    | 178,0 | 179,0  | 25,5  | 189,0   | 190,0 | 190,0  | 190,0 | 190,0 | 60 |
| 62             | -     | -      | -     | 25,4    | 166,0 | 166,5  | 22,6  | 177,0   | 178,5 | 178,5  | 178,5 | 178,5 | 62 |
| 65             | -     | -      | -     | 21,4    | 155,0 | 147,0  | 18,5  | 160,0   | 161,5 | 161,5  | 161,5 | 161,5 | 65 |
| 66             | -     | -      | -     | -       | -     | -      | 17,3  | 154,3   | 156,0 | 156,0  | 156,0 | 156,0 | 66 |
| 70             | -     | -      | -     | -       | -     | -      | 12,7  | 139,0   | 134,0 | 134,0  | 134,0 | 134,0 | 70 |

Lifting capacities > 1000 t only with special equipment · Werte > 1000 t nur mit Sonderausrüstung · Capacités de levage > 1000 t uniquement avec équipement special · Capacità di sollevamento > 1000 t solo con attrezzatura speciale · Capacidades de elevación > 1000 t sólo con equipamiento especial · Capacidades de içamento > 1000 t somente com equipamento especial · Грузоподъемность > 1000 т только со специальным оборудованием



| <b>170-250 t + 0-80 t 15-30 m 9,60 m 9.8 m/s 360° ISO</b> |       |       |       |       |       |       |       |       |       |       |    |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
|   |       |       |       |       |       |       |       |       |       |       |    |
|   |       |       |       |       |       |       |       |       |       |       |    |
| m   | t     | t     | t     | t     | t     | t     | t     | t     | t     | t     | m  |
| 12  | 369,0 | 625,0 | 604,0 | 353,0 | 559,0 | 540,0 | -     | -     | -     | -     | 12 |
| 13  | 340,0 | 625,0 | 604,0 | 326,0 | 559,0 | 540,0 | 312,0 | 498,0 | 484,0 | 484,0 | 13 |
| 14  | 315,0 | 625,0 | 604,0 | 302,0 | 559,0 | 540,0 | 289,0 | 498,0 | 484,0 | 484,0 | 14 |
| 16  | 273,0 | 625,0 | 604,0 | 263,0 | 559,0 | 540,0 | 252,0 | 498,0 | 484,0 | 484,0 | 16 |
| 18  | 240,0 | 616,0 | 604,0 | 231,0 | 559,0 | 540,0 | 221,0 | 498,0 | 484,0 | 484,0 | 18 |
| 20  | 213,0 | 604,0 | 604,0 | 205,0 | 550,0 | 540,0 | 196,0 | 498,0 | 484,0 | 484,0 | 20 |
| 22  | 190,0 | 595,0 | 604,0 | 183,0 | 539,0 | 540,0 | 175,0 | 490,0 | 484,0 | 484,0 | 22 |
| 24  | 170,0 | 551,0 | 604,0 | 164,0 | 535,0 | 540,0 | 157,0 | 482,0 | 484,0 | 484,0 | 24 |
| 26  | 149,0 | 505,0 | 585,0 | 148,0 | 503,0 | 537,0 | 142,0 | 478,0 | 484,0 | 484,0 | 26 |
| 28  | 137,0 | 466,0 | 540,0 | 130,0 | 464,0 | 528,0 | 127,0 | 460,0 | 482,0 | 482,0 | 28 |
| 30  | 122,0 | 432,0 | 501,0 | 120,0 | 429,0 | 498,0 | 116,0 | 426,0 | 478,0 | 478,0 | 30 |
| 34  | 97,5  | 375,0 | 436,0 | 96,0  | 373,0 | 434,0 | 92,5  | 369,0 | 430,0 | 430,0 | 34 |
| 38  | 78,5  | 330,0 | 384,0 | 77,0  | 328,0 | 383,0 | 73,0  | 324,0 | 377,0 | 377,0 | 38 |
| 42  | 63,7  | 294,5 | 338,5 | 61,7  | 292,5 | 338,0 | 58,2  | 288,5 | 333,0 | 333,0 | 42 |
| 46  | 51,6  | 264,0 | 298,5 | 49,5  | 262,0 | 299,5 | 45,9  | 258,0 | 296,0 | 296,0 | 46 |
| 50  | 41,5  | 238,5 | 264,5 | 39,3  | 236,5 | 266,5 | 35,6  | 232,5 | 264,0 | 264,0 | 50 |
| 54  | 32,9  | 217,0 | 235,0 | 30,6  | 215,0 | 237,5 | 26,9  | 211,0 | 236,5 | 236,5 | 54 |
| 58  | 25,6  | 198,0 | 209,0 | 23,2  | 196,0 | 212,5 | 19,5  | 192,0 | 212,5 | 212,5 | 58 |
| 62  | 19,3  | 181,0 | 185,5 | 16,8  | 179,5 | 190,5 | 13,1  | 175,5 | 191,0 | 191,0 | 62 |
| 66  | 13,9  | 163,0 | 164,0 | 11,3  | 165,0 | 170,0 | 7,5   | 161,0 | 171,5 | 171,5 | 66 |
| 69  | 10,3  | 148,0 | 149,0 | 7,6   | 154,0 | 155,5 | -     | 152,0 | 157,7 | 157,7 | 69 |
| 70  | 9,2   | 143,0 | 144,0 | -     | 149,6 | 151,0 | -     | 149,0 | 153,5 | 153,5 | 70 |
| 72  | 7,0   | 133,0 | 134,0 | -     | 141,0 | 142,0 | -     | 143,0 | 145,0 | 145,0 | 72 |
| 74  | -     | 126,3 | 124,6 | -     | 132,5 | 133,5 | -     | 135,5 | 137,0 | 137,0 | 74 |
| 75  | -     | 124,0 | 120,0 | -     | 128,2 | 129,2 | -     | 131,7 | 133,0 | 133,0 | 75 |
| 78  | -     | -     | -     | -     | 115,5 | 116,5 | -     | 120,5 | 121,5 | 121,5 | 78 |
| 80  | -     | -     | -     | -     | 111,0 | 108,0 | -     | 113,0 | 114,0 | 114,0 | 80 |
| 82  | -     | -     | -     | -     | -     | -     | -     | 106,0 | 107,0 | 107,0 | 82 |
| 85  | -     | -     | -     | -     | -     | -     | -     | 98,0  | 96,5  | 96,5  | 85 |

0t
160t
240t
320t
400t
450t

| 66 m       |       |        |       | 72 m       |       |        |       | 78 m       |       |        |       | 84 m       |       |        |  |
|------------|-------|--------|-------|------------|-------|--------|-------|------------|-------|--------|-------|------------|-------|--------|--|
| SSL/LSL S1 |       |        |       | SSL/LSL S1 |       |        |       | SSL/LSL S1 |       |        |       | SSL/LSL S1 |       |        |  |
| 0 t        |       | 0-450t |       | 0 t        |       | 0-450t |       | 0 t        |       | 0-450t |       | 0 t        |       | 0-450t |  |
| 15-24 m    |       | 24-30m |       | 15-24 m    |       | 24-30m |       | 15-24 m    |       | 24-30m |       | 15-24 m    |       | 24-30m |  |
| m          | t     | t      | t     | t          | t     | t      | t     | t          | t     | t      | t     | t          | t     | m      |  |
| 10         | 506,0 | 506,0  | 506,0 | 494,0      | 506,0 | 506,0  | -     | -          | -     | -      | -     | -          | -     | 10     |  |
| 11         | 472,0 | 506,0  | 506,0 | 449,0      | 506,0 | 506,0  | 429,0 | 506,0      | 506,0 | 409,0  | 506,0 | 506,0      | 506,0 | 11     |  |
| 12         | 434,0 | 506,0  | 506,0 | 414,0      | 506,0 | 506,0  | 396,0 | 506,0      | 506,0 | 378,5  | 506,0 | 506,0      | 506,0 | 12     |  |
| 14         | 368,5 | 506,0  | 506,0 | 352,5      | 506,0 | 506,0  | 338,5 | 506,0      | 506,0 | 324,5  | 506,0 | 506,0      | 506,0 | 14     |  |
| 16         | 319,0 | 506,0  | 506,0 | 306,0      | 506,0 | 506,0  | 294,5 | 506,0      | 506,0 | 282,5  | 506,0 | 506,0      | 506,0 | 16     |  |
| 18         | 277,0 | 506,0  | 506,0 | 269,5      | 506,0 | 506,0  | 259,5 | 506,0      | 506,0 | 249,0  | 506,0 | 506,0      | 506,0 | 18     |  |
| 20         | 240,5 | 506,0  | 506,0 | 236,5      | 506,0 | 506,0  | 231,0 | 506,0      | 506,0 | 221,5  | 506,0 | 506,0      | 506,0 | 20     |  |
| 22         | 213,3 | 506,0  | 506,0 | 209,3      | 506,0 | 506,0  | 205,6 | 506,0      | 506,0 | 199,0  | 506,0 | 506,0      | 506,0 | 22     |  |
| 24         | 192,0 | 506,0  | 506,0 | 188,0      | 506,0 | 506,0  | 181,0 | 506,0      | 506,0 | 179,0  | 506,0 | 506,0      | 506,0 | 24     |  |
| 26         | 173,0 | 495,5  | 506,0 | 169,0      | 493,0 | 506,0  | 165,0 | 492,5      | 504,0 | 163,0  | 490,5 | 506,0      | 506,0 | 26     |  |
| 28         | 154,0 | 485,0  | 506,0 | 150,0      | 480,0 | 506,0  | 149,0 | 479,0      | 502,0 | 147,0  | 475,0 | 497,0      | 497,0 | 28     |  |
| 30         | 140,5 | 452,5  | 494,0 | 136,5      | 448,0 | 506,0  | 135,0 | 446,5      | 499,0 | 133,0  | 443,0 | 484,0      | 484,0 | 30     |  |
| 34         | 116,5 | 395,0  | 446,0 | 112,5      | 391,0 | 450,0  | 110,5 | 389,0      | 449,0 | 108,2  | 386,0 | 446,0      | 446,0 | 34     |  |
| 38         | 97,7  | 350,0  | 383,0 | 93,7       | 346,0 | 389,0  | 92,0  | 344,0      | 395,0 | 89,2   | 341,0 | 394,0      | 394,0 | 38     |  |
| 42         | 83,1  | 313,3  | 332,0 | 79,1       | 309,6 | 340,0  | 77,5  | 308,0      | 346,0 | 74,5   | 305,0 | 348,0      | 348,0 | 42     |  |
| 46         | 70,5  | 280,0  | 289,0 | 66,5       | 277,0 | 298,0  | 64,5  | 276,0      | 306,0 | 61,5   | 273,0 | 308,0      | 308,0 | 46     |  |
| 50         | 61,1  | 248,6  | 252,0 | 57,1       | 251,6 | 262,0  | 55,1  | 250,6      | 271,0 | 52,1   | 248,3 | 274,0      | 274,0 | 50     |  |
| 54         | 52,9  | 217,3  | 218,0 | 48,8       | 226,0 | 230,0  | 46,8  | 228,0      | 240,0 | 43,6   | 226,0 | 245,0      | 245,0 | 54     |  |
| 58         | 45,9  | 192,0  | 188,0 | 41,6       | 200,0 | 202,0  | 39,4  | 208,0      | 213,0 | 36,1   | 206,0 | 219,0      | 219,0 | 58     |  |
| 59         | 44,4  | 188,0  | 180,0 | 40,1       | 193,6 | 195,5  | 37,9  | 202,6      | 207,0 | 34,6   | 201,8 | 213,2      | 213,2 | 59     |  |
| 62         | -     | -      | -     | 35,9       | 174,6 | 176,0  | 33,5  | 186,6      | 189,0 | 30,1   | 189,3 | 196,0      | 196,0 | 62     |  |
| 65         | -     | -      | -     | 31,9       | 163,0 | 157,0  | 29,4  | 170,5      | 171,7 | 25,9   | 176,3 | 179,5      | 179,5 | 65     |  |
| 66         | -     | -      | -     | -          | -     | -      | 28,2  | 165,0      | 166,0 | 24,7   | 171,6 | 174,0      | 174,0 | 66     |  |
| 70         | -     | -      | -     | -          | -     | -      | 23,6  | 147,0      | 144,0 | 19,9   | 153,0 | 154,0      | 154,0 | 70     |  |
| 74         | -     | -      | -     | -          | -     | -      | -     | -          | -     | 15,9   | 134,6 | 135,6      | 135,6 | 74     |  |
| 75         | -     | -      | -     | -          | -     | -      | -     | -          | -     | 14,9   | 132,0 | 131,0      | 131,0 | 75     |  |

|  |    |     |      |      |      |      |      |
|--|----|-----|------|------|------|------|------|
|  | 0t | 80t | 160t | 240t | 320t | 400t | 450t |
|--|----|-----|------|------|------|------|------|

# SSL/LSL, SSL/LSL S1

CC 6800-1

| 170-250 t + 0-80 t 15-30 m 9,60 m 9.8 m/s 360° ISO |       |        |       |            |       |        |       |         |       |            |       |         |       |        |  |
|--|-------|--------|-------|------------|-------|--------|-------|---------|-------|------------|-------|---------|-------|--------|--|
| 90 m   |       |        |       | 96 m       |       |        |       | 102 m   |       |            |       |         |       |        |  |
| SSL/LSL S1   |       |        |       | SSL/LSL S1 |       |        |       | SSL/LSL |       | SSL/LSL S1 |       |         |       |        |  |
| 0 t  |       | 0-450t |       | 0 t        |       | 0-450t |       | 0 t     |       | 0-450t     |       |         |       |        |  |
| 15-24 m  |       | 24-30m |       | 15-24 m    |       | 24-30m |       | 15-24 m |       | 24-30m     |       | 15-24 m |       | 24-30m |  |
| m  | t     | t      | t     | t          | t     | t      | t     | t       | t     | t          | t     | t       | t     | m      |  |
| 12   | 360,0 | 506,0  | 506,0 | 344,0      | 490,0 | 480,0  | -     | -       | -     | -          | -     | -       | -     | 12     |  |
| 13   | 333,0 | 506,0  | 506,0 | 319,0      | 490,0 | 480,0  | 308,0 | 450,0   | 435,0 | 438,0      | 430,0 | 430,0   | 430,0 | 13     |  |
| 14   | 311,0 | 506,0  | 506,0 | 298,0      | 490,0 | 480,0  | 288,0 | 450,0   | 435,0 | 438,0      | 430,0 | 430,0   | 430,0 | 14     |  |
| 16   | 271,5 | 506,0  | 506,0 | 260,5      | 490,0 | 480,0  | 252,0 | 450,0   | 435,0 | 438,0      | 430,0 | 430,0   | 430,0 | 16     |  |
| 18   | 239,5 | 506,0  | 506,0 | 230,5      | 489,5 | 480,0  | 223,0 | 450,0   | 435,0 | 438,0      | 430,0 | 430,0   | 430,0 | 18     |  |
| 20   | 213,5 | 506,0  | 506,0 | 205,5      | 486,5 | 480,0  | 199,0 | 450,0   | 435,0 | 438,0      | 430,0 | 430,0   | 430,0 | 20     |  |
| 22   | 192,3 | 506,0  | 506,0 | 184,6      | 479,0 | 480,0  | 179,0 | 442,3   | 435,0 | 433,0      | 430,0 | 430,0   | 430,0 | 22     |  |
| 24   | 173,0 | 506,0  | 505,0 | 166,0      | 479,0 | 480,0  | 161,0 | 441,0   | 435,0 | 433,0      | 430,0 | 430,0   | 430,0 | 24     |  |
| 26   | 156,5 | 489,5  | 502,0 | 151,0      | 470,0 | 479,0  | 147,0 | 433,0   | 435,0 | 429,0      | 430,0 | 430,0   | 430,0 | 26     |  |
| 28   | 140,0 | 473,0  | 500,0 | 136,0      | 466,0 | 478,0  | 133,0 | 432,0   | 435,0 | 429,0      | 430,0 | 430,0   | 430,0 | 28     |  |
| 30   | 128,5 | 441,0  | 483,0 | 124,5      | 435,5 | 476,0  | 122,0 | 417,5   | 435,0 | 414,0      | 430,0 | 430,0   | 430,0 | 30     |  |
| 34   | 106,5 | 384,0  | 443,0 | 102,5      | 380,0 | 436,0  | 100,2 | 378,0   | 428,0 | 379,5      | 413,0 | 413,0   | 413,0 | 34     |  |
| 38   | 87,5  | 338,5  | 392,0 | 83,5       | 335,0 | 387,0  | 81,2  | 332,5   | 381,0 | 335,0      | 383,0 | 383,0   | 383,0 | 38     |  |
| 42   | 72,5  | 302,3  | 347,0 | 68,5       | 299,0 | 343,0  | 66,5  | 296,3   | 338,0 | 299,0      | 341,0 | 341,0   | 341,0 | 42     |  |
| 46   | 59,5  | 271,0  | 309,0 | 55,5       | 267,0 | 306,0  | 53,5  | 265,0   | 302,0 | 267,0      | 305,0 | 305,0   | 305,0 | 46     |  |
| 50   | 49,9  | 246,3  | 276,0 | 45,9       | 243,0 | 274,0  | 43,7  | 240,3   | 271,0 | 243,0      | 275,0 | 275,0   | 275,0 | 50     |  |
| 54   | 41,3  | 224,0  | 248,0 | 37,4       | 221,0 | 246,0  | 34,9  | 218,3   | 245,0 | 221,3      | 248,0 | 248,0   | 248,0 | 54     |  |
| 58   | 33,7  | 204,0  | 223,0 | 29,8       | 201,0 | 222,0  | 27,3  | 199,0   | 222,0 | 202,0      | 225,0 | 225,0   | 225,0 | 58     |  |
| 62   | 27,6  | 188,0  | 200,0 | 23,7       | 185,0 | 201,0  | 21,2  | 183,0   | 201,0 | 185,3      | 204,0 | 204,0   | 204,0 | 62     |  |
| 66   | 22,1  | 173,3  | 180,0 | 18,2       | 170,3 | 181,0  | 15,7  | 168,3   | 182,0 | 170,3      | 186,0 | 186,0   | 186,0 | 66     |  |
| 70   | 17,2  | 160,0  | 161,0 | 13,3       | 157,0 | 164,0  | 10,8  | 155,0   | 166,0 | 157,0      | 169,0 | 169,0   | 169,0 | 70     |  |
| 74   | 13,2  | 142,6  | 143,6 | 9,2        | 145,0 | 148,0  | 6,6   | 143,8   | 150,0 | 146,3      | 153,6 | 153,6   | 153,6 | 74     |  |
| 75   | 12,2  | 138,3  | 139,3 | 8,2        | 142,0 | 144,0  | 5,6   | 141,0   | 146,0 | 143,6      | 149,8 | 149,8   | 149,8 | 75     |  |
| 78   | 9,4   | 126,0  | 127,0 | 5,4        | 131,0 | 132,0  | -     | 132,3   | 136,0 | 135,6      | 139,0 | 139,0   | 139,0 | 78     |  |
| 80   | 7,7   | 119,0  | 119,0 | -          | 123,5 | 124,5  | -     | 126,6   | 129,0 | 130,0      | 132,0 | 132,0   | 132,0 | 80     |  |
| 82   | -     | -      | -     | -          | 116,0 | 117,0  | -     | 121,0   | 122,0 | 124,0      | 125,0 | 125,0   | 125,0 | 82     |  |
| 85   | -     | -      | -     | -          | 106,0 | 107,0  | -     | 111,5   | 112,5 | 114,5      | 115,5 | 115,5   | 115,5 | 85     |  |
| 86   | -     | -      | -     | -          | -     | -      | -     | 108,3   | 109,3 | 111,3      | 112,3 | 112,3   | 112,3 | 86     |  |
| 90   | -     | -      | -     | -          | -     | -      | -     | 95,6    | 96,6  | 98,6       | 99,6  | 99,6    | 99,6  | 90     |  |
| 91   | -     | -      | -     | -          | -     | -      | -     | 94,0    | 93,5  | 96,5       | 96,5  | 96,5    | 96,5  | 91     |  |

|  |    |     |      |      |      |      |      |
|--|----|-----|------|------|------|------|------|
|  | 0t | 80t | 160t | 240t | 320t | 400t | 450t |
|--|----|-----|------|------|------|------|------|

# SSL/LSL, SSL/LSL S1

CC 6800-1

| 170-250 t + 0-80 t |       | 15-30 m    |       |         |       | 9,60 m  |       |         |       | 9.8 m/s    |       | 360°    |       | ISO    |       |         |   |
|--------------------|-------|------------|-------|---------|-------|---------|-------|---------|-------|------------|-------|---------|-------|--------|-------|---------|---|
| 108 m              |       | 114 m      |       |         |       | 120 m   |       |         |       |            |       |         |       |        |       |         |   |
| SSL/LSL            |       | SSL/LSL S1 |       |         |       | SSL/LSL |       |         |       | SSL/LSL S1 |       |         |       |        |       |         |   |
| 0 t                |       | 0-450t     |       |         |       | 0 t     |       | 0-450t  |       |            |       | 0 t     |       | 0-450t |       |         |   |
| 15-24 m            |       | 24-30m     |       | 15-24 m |       | 24-30m  |       | 15-24 m |       | 24-30m     |       | 15-24 m |       | 24-30m |       | 15-24 m |   |
| m                  | t     | t          | t     | t       | t     | t       | t     | t       | t     | t          | t     | t       | t     | t      | t     | t       | t |
| 13                 | 294,0 | 405,0      | 391,0 | 396,0   | 390,0 | -       | -     | -       | -     | -          | 256,0 | -       | -     | -      | -     | -       | - |
| 14                 | 275,0 | 405,0      | 391,0 | 396,0   | 390,0 | 265,0   | 364,0 | 351,0   | 358,0 | 353,0      | 256,0 | 330,0   | 319,0 | 325,0  | 319,0 | -       | - |
| 16                 | 241,0 | 405,0      | 391,0 | 396,0   | 390,0 | 233,5   | 364,0 | 351,0   | 358,0 | 353,0      | 225,0 | 330,0   | 319,0 | 325,0  | 319,0 | -       | - |
| 18                 | 213,0 | 405,0      | 391,0 | 396,0   | 390,0 | 207,0   | 364,0 | 351,0   | 358,0 | 353,0      | 199,5 | 330,0   | 319,0 | 325,0  | 319,0 | -       | - |
| 20                 | 189,5 | 405,0      | 391,0 | 395,5   | 390,0 | 184,5   | 364,0 | 351,0   | 358,0 | 353,0      | 178,0 | 330,0   | 319,0 | 325,0  | 319,0 | -       | - |
| 22                 | 170,3 | 405,0      | 391,0 | 394,3   | 390,0 | 165,6   | 364,0 | 351,0   | 357,0 | 353,0      | 160,0 | 330,0   | 319,0 | 323,6  | 319,0 | -       | - |
| 24                 | 153,0 | 405,0      | 391,0 | 393,0   | 390,0 | 149,0   | 364,0 | 351,0   | 355,0 | 353,0      | 144,0 | 330,0   | 319,0 | 321,0  | 319,0 | -       | - |
| 26                 | 139,5 | 394,0      | 391,0 | 389,5   | 390,0 | 136,0   | 359,0 | 351,0   | 353,5 | 353,0      | 131,5 | 329,0   | 319,0 | 317,5  | 319,0 | -       | - |
| 28                 | 126,0 | 394,0      | 391,0 | 388,0   | 390,0 | 123,0   | 359,0 | 351,0   | 353,0 | 353,0      | 119,0 | 328,0   | 319,0 | 316,0  | 319,0 | -       | - |
| 30                 | 114,0 | 389,0      | 391,0 | 378,5   | 389,0 | 112,0   | 355,0 | 351,0   | 350,0 | 352,0      | 109,0 | 325,0   | 319,0 | 315,5  | 319,0 | -       | - |
| 34                 | 93,5  | 368,5      | 391,0 | 362,5   | 384,0 | 92,5    | 347,5 | 351,0   | 337,0 | 347,0      | 88,5  | 317,5   | 319,0 | 309,5  | 313,0 | -       | - |
| 38                 | 76,5  | 328,0      | 368,0 | 331,5   | 360,0 | 75,5    | 326,0 | 345,0   | 319,5 | 334,0      | 71,5  | 311,0   | 319,0 | 294,5  | 302,0 | -       | - |
| 42                 | 61,6  | 292,3      | 330,0 | 295,3   | 334,0 | 60,5    | 291,0 | 323,0   | 293,3 | 317,0      | 58,6  | 289,0   | 304,0 | 277,3  | 287,0 | -       | - |
| 46                 | 48,8  | 261,0      | 295,0 | 264,0   | 299,0 | 47,7    | 259,0 | 291,0   | 262,0 | 296,0      | 45,8  | 257,0   | 286,0 | 258,0  | 271,0 | -       | - |
| 50                 | 39,0  | 236,3      | 266,0 | 239,3   | 270,0 | 37,9    | 235,0 | 262,0   | 237,3 | 267,0      | 35,9  | 233,0   | 258,0 | 233,3  | 254,0 | -       | - |
| 54                 | 30,2  | 214,3      | 240,0 | 217,3   | 244,0 | 29,1    | 213,3 | 238,0   | 215,3 | 242,0      | 27,1  | 211,3   | 234,0 | 211,3  | 236,0 | -       | - |
| 58                 | 22,6  | 195,0      | 217,0 | 198,0   | 222,0 | 21,5    | 194,0 | 216,0   | 196,0 | 220,0      | 19,5  | 192,0   | 213,0 | 192,0  | 215,0 | -       | - |
| 62                 | 16,4  | 179,0      | 197,0 | 182,6   | 202,0 | 15,3    | 178,0 | 197,0   | 180,0 | 200,0      | 13,3  | 176,0   | 194,0 | 176,6  | 196,0 | -       | - |
| 66                 | 10,9  | 164,3      | 180,0 | 168,0   | 184,0 | 9,7     | 163,2 | 179,0   | 165,6 | 183,0      | 7,7   | 161,0   | 177,0 | 162,2  | 179,0 | -       | - |
| 68                 | 8,4   | 157,6      | 171,5 | 161,0   | 176,0 | 7,1     | 156,4 | 171,0   | 159,3 | 175,0      | 5,1   | 154,0   | 169,3 | 155,4  | 171,0 | -       | - |
| 69                 | 7,2   | 154,3      | 167,2 | 157,5   | 172,0 | 5,9     | 153,0 | 167,0   | 156,1 | 171,0      | -     | 151,0   | 165,6 | 152,0  | 167,5 | -       | - |
| 70                 | 6,0   | 151,0      | 163,0 | 154,0   | 168,0 | -       | 150,0 | 164,0   | 153,0 | 167,0      | -     | 148,0   | 162,0 | 149,0  | 164,0 | -       | - |
| 74                 | -     | 140,3      | 149,0 | 143,0   | 153,0 | -       | 139,3 | 150,0   | 141,5 | 153,0      | -     | 137,3   | 148,6 | 138,3  | 150,6 | -       | - |
| 78                 | -     | 130,0      | 135,3 | 133,3   | 139,3 | -       | 129,3 | 136,6   | 131,3 | 139,6      | -     | 127,3   | 136,0 | 128,0  | 138,0 | -       | - |
| 82                 | -     | 120,0      | 122,0 | 124,0   | 126,0 | -       | 120,0 | 124,0   | 122,0 | 127,0      | -     | 118,0   | 124,0 | 118,0  | 126,0 | -       | - |
| 86                 | -     | 108,6      | 110,0 | 112,6   | 114,0 | -       | 111,3 | 112,6   | 114,0 | 115,6      | -     | 109,3   | 113,3 | 110,0  | 115,3 | -       | - |
| 90                 | -     | 97,5       | 98,5  | 101,5   | 102,5 | -       | 101,6 | 102,0   | 104,6 | 105,0      | -     | 101,0   | 103,1 | 102,0  | 105,0 | -       | - |
| 94                 | -     | 86,5       | 87,5  | 90,5    | 91,5  | -       | 91,0  | 92,0    | 94,0  | 95,0       | -     | 93,0    | 93,5  | 94,0   | 95,0  | -       | - |
| 96                 | -     | 83,0       | 81,5  | 86,0    | 86,0  | -       | 86,0  | 86,8    | 88,8  | 89,8       | -     | 88,2    | 89,0  | 89,5   | 90,3  | -       | - |
| 98                 | -     | -          | -     | -       | -     | -       | 81,0  | 81,6    | 83,6  | 84,6       | -     | 83,6    | 84,5  | 84,7   | 85,6  | -       | - |
| 101                | -     | -          | -     | -       | -     | -       | 75,0  | 74,5    | 77,5  | 77,0       | -     | 76,7    | 77,7  | 77,7   | 78,2  | -       | - |
| 102                | -     | -          | -     | -       | -     | -       | -     | -       | -     | -          | -     | 74,5    | 75,5  | 75,5   | 75,5  | -       | - |
| 106                | -     | -          | -     | -       | -     | -       | -     | -       | -     | -          | -     | 67,5    | 66,5  | 68,0   | 65,0  | -       | - |


0t
80t
160t
240t
320t
400t
450t

# SSL/LSL, SSL/LSL S1

CC 6800-1

| 170-250 t + 0-80 t 15-30 m 9,60 m 9.8 m/s 360° ISO |       |            |       |         |       |            |       |         |       |            |       |         |       |            |       |
|--|-------|------------|-------|---------|-------|------------|-------|---------|-------|------------|-------|---------|-------|------------|-------|
| 126 m  |       |            |       | 132 m   |       |            |       | 138 m   |       |            |       |         |       |            |       |
| SSL/LSL  |       | SSL/LSL S1 |       | SSL/LSL |       | SSL/LSL S1 |       | SSL/LSL |       | SSL/LSL S1 |       | SSL/LSL |       | SSL/LSL S1 |       |
| 0 t  |       | 0-450t     |       | 0 t     |       | 0-450t     |       | 0 t     |       | 0-450t     |       | 0 t     |       | 0-450t     |       |
| 15-24 m  |       | 24-30m     |       | 15-24 m |       | 24-30m     |       | 15-24 m |       | 24-30m     |       | 15-24 m |       | 24-30m     |       |
| m  | t     | t          | t     | t       | t     | t          | t     | t       | t     | t          | t     | t       | t     | t          | t     |
| 15   | 231,0 | 296,0      | 287,0 | 288,0   | 286,0 | 225,0      | 266,0 | 259,0   | 262,0 | 260,0      | -     | -       | -     | -          | -     |
| 16   | 218,0 | 296,0      | 287,0 | 288,0   | 286,0 | 212,0      | 266,0 | 259,0   | 262,0 | 260,0      | 205,0 | 239,0   | 231,0 | 240,0      | 237,0 |
| 18   | 193,5 | 296,0      | 287,0 | 288,0   | 286,0 | 188,5      | 266,0 | 259,0   | 262,0 | 260,0      | 182,5 | 239,0   | 230,0 | 239,0      | 237,0 |
| 20   | 173,0 | 296,0      | 287,0 | 288,0   | 286,0 | 168,5      | 266,0 | 259,0   | 262,0 | 260,0      | 163,0 | 238,5   | 229,0 | 239,0      | 237,0 |
| 22   | 156,0 | 296,0      | 287,0 | 288,0   | 286,0 | 151,3      | 266,0 | 259,0   | 262,0 | 260,0      | 146,6 | 238,0   | 229,0 | 238,6      | 237,0 |
| 24   | 140,0 | 296,0      | 287,0 | 288,0   | 286,0 | 136,0      | 266,0 | 259,0   | 262,0 | 260,0      | 132,0 | 238,0   | 228,0 | 238,0      | 237,0 |
| 26   | 127,5 | 296,0      | 287,0 | 288,0   | 286,0 | 124,0      | 266,0 | 259,0   | 262,0 | 260,0      | 120,5 | 237,5   | 226,0 | 238,0      | 237,0 |
| 28   | 115,0 | 296,0      | 287,0 | 288,0   | 285,0 | 112,0      | 266,0 | 259,0   | 262,0 | 259,0      | 109,0 | 237,0   | 225,0 | 238,0      | 236,0 |
| 30   | 105,5 | 293,5      | 287,0 | 288,0   | 285,0 | 102,7      | 265,5 | 258,0   | 262,0 | 259,0      | 99,7  | 235,5   | 223,0 | 238,0      | 236,0 |
| 34   | 86,2  | 288,0      | 287,0 | 286,5   | 285,0 | 84,7       | 262,5 | 255,0   | 262,0 | 259,0      | 82,5  | 232,0   | 219,0 | 238,0      | 235,0 |
| 38   | 70,2  | 282,0      | 284,0 | 277,0   | 284,0 | 69,5       | 254,5 | 252,0   | 255,5 | 259,0      | 66,2  | 224,0   | 215,0 | 236,0      | 234,0 |
| 42   | 57,5  | 268,6      | 277,0 | 267,3   | 277,0 | 56,6       | 245,6 | 248,0   | 248,6 | 255,0      | 52,7  | 215,0   | 209,0 | 229,3      | 233,0 |
| 46   | 44,5  | 256,0      | 267,0 | 258,0   | 269,0 | 43,8       | 235,0 | 244,0   | 244,0 | 249,0      | 42,3  | 206,0   | 204,0 | 224,0      | 229,0 |
| 50   | 34,6  | 231,3      | 254,0 | 234,0   | 260,0 | 33,9       | 223,6 | 239,0   | 226,6 | 244,0      | 32,4  | 198,6   | 199,0 | 218,0      | 226,0 |
| 54   | 25,8  | 209,3      | 230,0 | 212,3   | 236,0 | 25,1       | 208,3 | 227,0   | 208,3 | 230,0      | 23,6  | 193,3   | 193,0 | 205,3      | 222,0 |
| 58   | 18,2  | 190,0      | 210,0 | 193,0   | 215,0 | 17,4       | 189,0 | 207,0   | 189,0 | 209,0      | 15,9  | 188,0   | 187,0 | 186,0      | 204,0 |
| 62   | 12,0  | 174,0      | 192,0 | 177,0   | 196,0 | 11,2       | 173,6 | 189,0   | 173,6 | 191,0      | 9,7   | 172,0   | 181,0 | 170,6      | 186,0 |
| 65   | 7,5   | 163,0      | 179,2 | 165,8   | 184,0 | 6,8        | 162,5 | 177,7   | 162,5 | 179,0      | 5,3   | 160,0   | 174,0 | 159,6      | 174,5 |
| 66   | 6,2   | 160,0      | 175,0 | 162,6   | 180,0 | 5,5        | 159,0 | 174,0   | 159,0 | 175,0      | -     | 156,8   | 171,0 | 156,3      | 171,0 |
| 70   | -     | 147,0      | 161,0 | 149,0   | 165,0 | -          | 146,0 | 159,0   | 146,0 | 161,0      | -     | 144,0   | 157,0 | 143,0      | 157,0 |
| 74   | -     | 135,6      | 147,6 | 138,3   | 151,6 | -          | 135,3 | 147,0   | 134,6 | 148,3      | -     | 133,3   | 145,0 | 131,6      | 144,3 |
| 78   | -     | 125,3      | 135,3 | 128,3   | 139,3 | -          | 125,0 | 135,3   | 124,3 | 136,3      | -     | 123,3   | 133,3 | 121,3      | 132,6 |
| 82   | -     | 116,0      | 124,0 | 119,0   | 128,0 | -          | 115,0 | 124,0   | 115,0 | 125,0      | -     | 114,0   | 122,0 | 112,0      | 122,0 |
| 86   | -     | 108,0      | 114,0 | 110,3   | 117,3 | -          | 107,0 | 114,0   | 107,0 | 115,0      | -     | 106,0   | 112,6 | 104,0      | 112,0 |
| 90   | -     | 100,6      | 104,3 | 102,6   | 107,5 | -          | 99,5  | 104,6   | 99,5  | 105,5      | -     | 98,0    | 103,8 | 96,5       | 103,0 |
| 94   | -     | 93,5       | 95,0  | 96,0    | 98,5  | -          | 93,0  | 96,0    | 92,5  | 96,5       | -     | 91,0    | 95,5  | 89,5       | 94,5  |
| 98   | -     | 85,5       | 86,2  | 88,7    | 89,7  | -          | 86,3  | 87,7    | 86,1  | 88,2       | -     | 85,0    | 87,8  | 83,1       | 86,5  |
| 102  | -     | 77,3       | 77,8  | 80,3    | 81,0  | -          | 79,1  | 79,6    | 79,1  | 80,0       | -     | 78,8    | 80,3  | 76,8       | 78,6  |
| 106  | -     | 69,0       | 69,5  | 72,0    | 72,5  | -          | 71,5  | 72,0    | 71,5  | 72,0       | -     | 72,5    | 73,0  | 70,5       | 71,0  |
| 110  | -     | 61,6       | 61,5  | 63,6    | 64,5  | -          | 64,1  | 64,6    | 63,8  | 64,6       | -     | 65,5    | 66,0  | 63,5       | 64,0  |
| 111  | -     | 60,5       | 59,5  | 62,5    | 62,5  | -          | 62,3  | 62,8    | 61,9  | 62,8       | -     | 63,7    | 64,2  | 61,7       | 62,2  |
| 114  | -     | -          | -     | -       | -     | -          | 56,9  | 57,4    | 56,4  | 57,2       | -     | 58,6    | 59,1  | 56,5       | 57,3  |
| 117  | -     | -          | -     | -       | -     | -          | 53,5  | 52,0    | 53,0  | 51,5       | -     | 53,5    | 54,1  | 51,6       | 52,2  |
| 118  | -     | -          | -     | -       | -     | -          | -     | -       | -     | -          | -     | 52,0    | 52,5  | 50,0       | 50,5  |
| 122  | -     | -          | -     | -       | -     | -          | -     | -       | -     | -          | -     | 47,6    | 46,3  | 45,4       | 44,0  |

0t 80t 160t 240t 320t 400t 450t

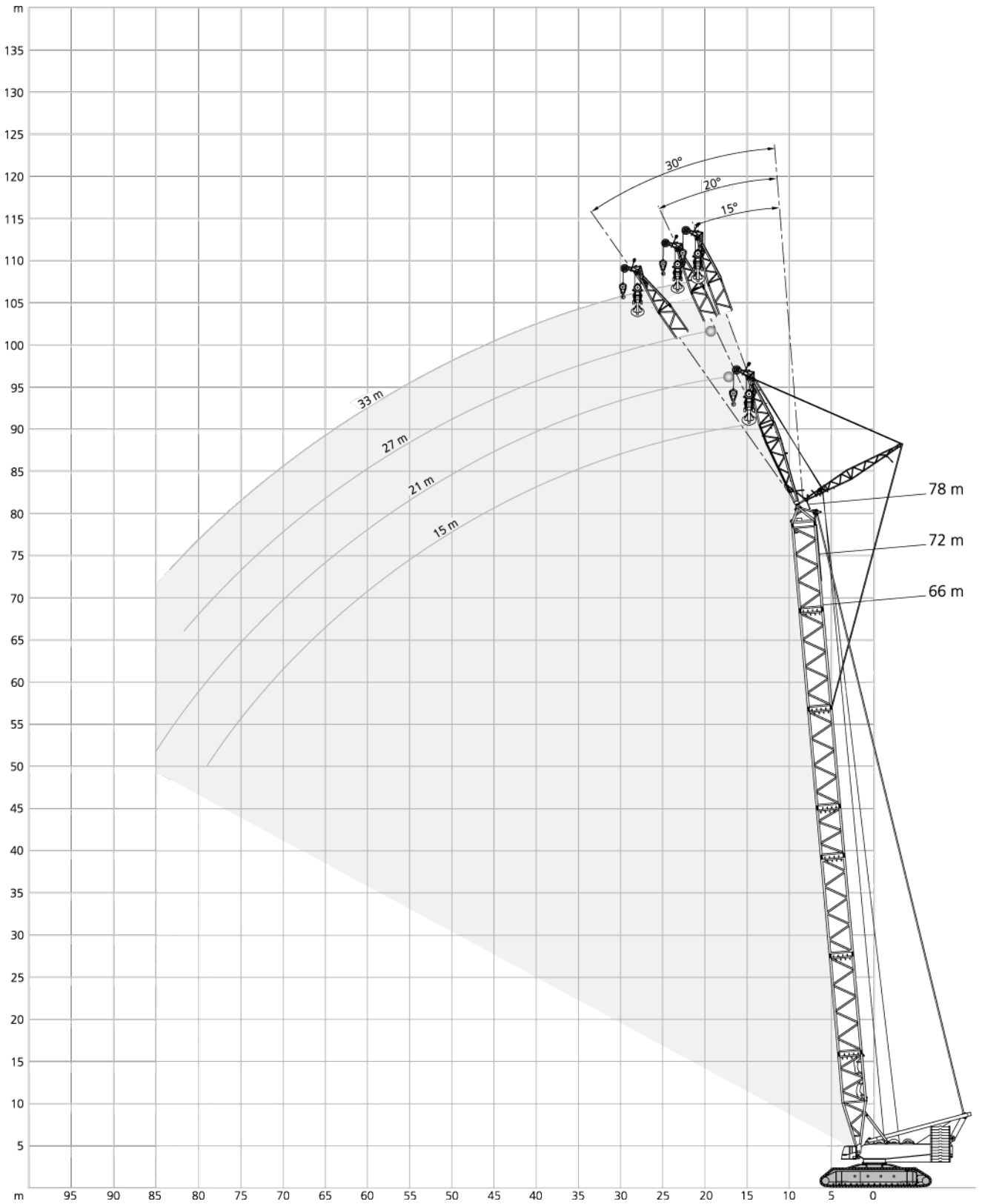
# SSL/LSL, SSL/LSL S1

CC 6800-1

| 144 m   |       |            |       |       | 150 m   |       |            |       |       | 156 m   |       |        |            |   |
|---------|-------|------------|-------|-------|---------|-------|------------|-------|-------|---------|-------|--------|------------|---|
| SSL/LSL |       | SSL/LSL S1 |       |       | SSL/LSL |       | SSL/LSL S1 |       |       | SSL/LSL |       |        | SSL/LSL S1 |   |
| 0 t     |       | 0-450t     |       |       | 0 t     |       | 0-450t     |       |       | 0 t     |       | 0-450t |            |   |
| 15-24 m |       | 24-30m     |       |       | 15-24 m |       | 24-30m     |       |       | 15-24 m |       | 24-30m |            |   |
| m       | t     | t          | t     | t     | t       | t     | t          | t     | t     | t       | t     | t      | t          | t |
| 17      | 187,0 | 209,0      | 203,0 | 219,0 | 215,0   | 171,0 | 184,0      | 179,0 | 199,0 | 195,0   | -     | -      | -          | - |
| 18      | 177,0 | 208,5      | 202,0 | 219,0 | 215,0   | 163,0 | 183,5      | 178,0 | 199,0 | 195,0   | 155,0 | 180,0  | 177,0      | - |
| 20      | 158,5 | 207,5      | 201,0 | 219,0 | 215,0   | 154,0 | 182,0      | 177,0 | 199,0 | 195,0   | 139,0 | 180,0  | 177,0      | - |
| 22      | 143,0 | 206,0      | 199,0 | 219,0 | 215,0   | 139,0 | 180,0      | 175,0 | 199,0 | 195,0   | 124,0 | 180,0  | 177,0      | - |
| 24      | 129,0 | 204,0      | 198,0 | 219,0 | 215,0   | 125,0 | 178,0      | 173,0 | 199,0 | 195,0   | 110,0 | 180,0  | 177,0      | - |
| 26      | 117,5 | 202,5      | 195,0 | 219,0 | 215,0   | 114,0 | 176,0      | 171,0 | 199,0 | 195,0   | 99,5  | 180,0  | 176,0      | - |
| 28      | 106,0 | 201,0      | 193,0 | 219,0 | 214,0   | 103,0 | 174,0      | 168,0 | 199,0 | 194,0   | 89,0  | 180,0  | 176,0      | - |
| 30      | 97,2  | 199,0      | 191,0 | 218,5 | 214,0   | 94,2  | 172,0      | 165,0 | 198,5 | 194,0   | 80,5  | 179,0  | 176,0      | - |
| 34      | 81,0  | 194,5      | 185,0 | 217,5 | 214,0   | 78,2  | 167,0      | 160,0 | 197,0 | 194,0   | 65,0  | 178,0  | 175,0      | - |
| 38      | 65,2  | 189,0      | 180,0 | 216,5 | 213,0   | 63,2  | 161,0      | 154,0 | 196,5 | 193,0   | 52,1  | 177,5  | 174,0      | - |
| 42      | 51,8  | 183,3      | 173,0 | 211,3 | 211,0   | 50,3  | 155,0      | 148,0 | 193,3 | 192,0   | 40,7  | 175,3  | 173,0      | - |
| 46      | 41,6  | 178,0      | 167,0 | 206,0 | 210,0   | 40,0  | 149,0      | 142,0 | 189,0 | 190,0   | 29,8  | 172,0  | 172,0      | - |
| 50      | 31,6  | 166,6      | 161,0 | 202,6 | 207,0   | 30,0  | 143,6      | 136,0 | 185,6 | 188,0   | 21,8  | 168,6  | 171,0      | - |
| 54      | 22,8  | 159,0      | 154,0 | 195,3 | 203,0   | 21,2  | 136,6      | 130,0 | 182,6 | 185,0   | 13,8  | 165,0  | 168,0      | - |
| 58      | 15,1  | 153,0      | 149,0 | 184,0 | 199,0   | 13,5  | 130,0      | 124,0 | 180,0 | 183,0   | 5,9   | 163,0  | 166,0      | - |
| 62      | 8,9   | 148,2      | 143,0 | 168,0 | 183,0   | 7,1   | 125,6      | 119,0 | 164,5 | 177,0   | -     | 157,0  | 163,0      | - |
| 63      | 7,4   | 147,0      | 142,0 | 164,0 | 179,2   | 5,6   | 124,3      | 118,0 | 160,7 | 173,5   | -     | 155,5  | 161,5      | - |
| 64      | 5,9   | 145,0      | 141,0 | 160,0 | 175,5   | -     | 123,0      | 116,6 | 157,0 | 170,0   | -     | 154,0  | 160,0      | - |
| 66      | -     | 141,6      | 138,0 | 153,6 | 168,0   | -     | 118,6      | 114,0 | 150,6 | 163,0   | -     | 147,3  | 157,0      | - |
| 70      | -     | 137,0      | 134,0 | 141,0 | 154,0   | -     | 114,0      | 110,0 | 138,0 | 149,0   | -     | 134,0  | 144,0      | - |
| 74      | -     | 130,3      | 129,3 | 129,6 | 142,0   | -     | 109,3      | 106,0 | 126,6 | 137,0   | -     | 123,3  | 132,6      | - |
| 78      | -     | 122,3      | 124,3 | 119,3 | 130,6   | -     | 104,6      | 102,6 | 116,3 | 126,0   | -     | 113,0  | 121,6      | - |
| 82      | -     | 113,0      | 119,0 | 110,0 | 120,0   | -     | 100,0      | 100,0 | 107,0 | 116,0   | -     | 104,0  | 111,0      | - |
| 86      | -     | 105,0      | 111,0 | 101,0 | 110,0   | -     | 96,8       | 97,3  | 99,0  | 106,6   | -     | 95,6   | 102,3      | - |
| 90      | -     | 97,2       | 103,2 | 94,3  | 101,0   | -     | 93,1       | 94,6  | 91,3  | 98,0    | -     | 87,8   | 94,0       | - |
| 94      | -     | 90,0       | 95,5  | 87,0  | 93,0    | -     | 88,5       | 92,0  | 84,0  | 90,0    | -     | 80,5   | 86,0       | - |
| 98      | -     | 84,0       | 87,8  | 80,6  | 85,0    | -     | 82,1       | 86,0  | 77,6  | 82,3    | -     | 74,5   | 78,6       | - |
| 102     | -     | 78,3       | 80,5  | 74,8  | 77,5    | -     | 76,3       | 79,6  | 71,8  | 75,0    | -     | 68,5   | 71,6       | - |
| 106     | -     | 73,0       | 73,5  | 69,5  | 70,5    | -     | 71,0       | 73,0  | 66,5  | 68,0    | -     | 63,0   | 65,0       | - |
| 110     | -     | 66,3       | 66,8  | 63,0  | 63,8    | -     | 65,6       | 66,6  | 60,8  | 61,6    | -     | 58,0   | 59,0       | - |
| 114     | -     | 60,0       | 60,5  | 56,6  | 57,2    | -     | 60,0       | 60,5  | 55,0  | 55,5    | -     | 52,7   | 53,1       | - |
| 118     | -     | 54,0       | 54,5  | 50,0  | 50,5    | -     | 54,0       | 54,5  | 49,2  | 49,7    | -     | 47,1   | 47,5       | - |
| 122     | -     | 48,0       | 48,7  | 43,9  | 44,6    | -     | 48,6       | 49,3  | 43,4  | 43,9    | -     | 41,5   | 41,9       | - |
| 126     | -     | 43,2       | 42,7  | 39,2  | 38,4    | -     | 43,2       | 43,8  | 37,6  | 38,1    | -     | 36,1   | 36,5       | - |
| 127     | -     | 42,5       | 41,2  | 38,4  | 36,9    | -     | 41,9       | 42,4  | 36,2  | 36,7    | -     | 34,8   | 35,2       | - |
| 130     | -     | -          | -     | -     | -       | -     | 38,4       | 38,4  | 32,9  | 32,5    | -     | 30,8   | 31,3       | - |
| 132     | -     | -          | -     | -     | -       | -     | 37,0       | 35,7  | 31,7  | 29,7    | -     | 29,0   | 28,7       | - |
| 134     | -     | -          | -     | -     | -       | -     | -          | -     | -     | -       | -     | 27,8   | 26,1       | - |
| 137     | -     | -          | -     | -     | -       | -     | -          | -     | -     | -       | -     | 24,9   | 22,2       | - |

0t
80t
160t
240t
320t
400t
450t





| 66 m |       |       |       |       |       |       |       |       |      |       |       |      |   |     |   |     |  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|---|-----|---|-----|--|
| 15 m |       |       |       | 21 m  |       |       | 27 m  |       |      | 33 m  |       |      |   |     |   |     |  |
| 15°  |       | 20°   |       | 30°   |       | 15°   |       | 20°   |      | 30°   |       | 15°  |   | 20° |   | 30° |  |
| m    | t     | t     | t     | t     | t     | t     | t     | t     | t    | t     | t     | t    | t | t   | t | m   |  |
| 14   | 250,0 | -     | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 14  |  |
| 15   | 250,0 | 247,0 | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 15  |  |
| 16   | 250,0 | 247,0 | -     | 229,0 | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 16  |  |
| 17   | 235,0 | 238,0 | 152,0 | 229,0 | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 17  |  |
| 18   | 221,0 | 224,0 | 152,0 | 219,0 | 181,0 | -     | 178,0 | -     | -    | -     | -     | -    | - | -   | - | 18  |  |
| 20   | 196,0 | 199,0 | 150,0 | 195,0 | 177,0 | -     | 178,0 | 137,0 | -    | 142,0 | -     | -    | - | -   | - | 20  |  |
| 21   | 185,5 | 188,5 | 148,5 | 185,0 | 173,0 | 112,0 | 173,5 | 137,0 | -    | 142,0 | -     | -    | - | -   | - | 21  |  |
| 22   | 175,0 | 178,0 | 147,0 | 175,0 | 169,0 | 112,0 | 169,0 | 137,0 | -    | 142,0 | -     | -    | - | -   | - | 22  |  |
| 23   | 166,5 | 169,0 | 145,5 | 166,5 | 164,5 | 110,0 | 163,0 | 134,0 | -    | 138,5 | 107,0 | -    | - | -   | - | 23  |  |
| 24   | 158,0 | 160,0 | 144,0 | 158,0 | 160,0 | 108,0 | 157,0 | 131,0 | 84,0 | 135,0 | 107,0 | -    | - | -   | - | 24  |  |
| 26   | 143,0 | 145,0 | 141,0 | 143,0 | 146,0 | 105,0 | 143,0 | 126,0 | 84,0 | 129,0 | 105,0 | -    | - | -   | - | 26  |  |
| 28   | 130,0 | 132,0 | 135,0 | 130,0 | 133,0 | 102,0 | 131,0 | 121,0 | 81,5 | 123,0 | 101,0 | 65,0 | - | -   | - | 28  |  |
| 30   | 119,0 | 120,0 | 124,0 | 119,0 | 121,0 | 99,0  | 120,0 | 116,0 | 79,0 | 117,0 | 97,0  | 65,0 | - | -   | - | 30  |  |
| 34   | 100,0 | 101,0 | 104,0 | 101,0 | 103,0 | 94,0  | 101,0 | 104,0 | 74,5 | 101,0 | 90,0  | 61,0 | - | -   | - | 34  |  |
| 38   | 83,0  | 84,0  | 86,0  | 85,0  | 86,5  | 89,0  | 87,0  | 89,0  | 71,0 | 87,0  | 83,5  | 57,5 | - | -   | - | 38  |  |
| 42   | 70,0  | 70,7  | 72,2  | 71,5  | 72,7  | 75,2  | 73,2  | 75,0  | 67,2 | 74,7  | 75,2  | 54,5 | - | -   | - | 42  |  |
| 46   | 58,7  | 59,2  | 60,7  | 60,2  | 61,5  | 63,7  | 62,0  | 63,5  | 63,2 | 63,2  | 65,0  | 51,5 | - | -   | - | 46  |  |
| 50   | 49,2  | 49,8  | 51,2  | 50,8  | 52,0  | 54,0  | 52,6  | 54,1  | 56,5 | 53,7  | 55,5  | 48,9 | - | -   | - | 50  |  |
| 54   | 41,2  | 41,9  | 43,1  | 42,9  | 43,8  | 45,6  | 44,5  | 45,9  | 48,1 | 45,6  | 47,1  | 46,8 | - | -   | - | 54  |  |
| 58   | 34,5  | 35,0  | 36,0  | 35,9  | 36,8  | 38,4  | 37,6  | 38,8  | 40,9 | 38,5  | 40,0  | 42,5 | - | -   | - | 58  |  |
| 62   | 28,8  | 29,3  | 30,0  | 30,2  | 30,9  | 32,2  | 31,6  | 32,6  | 34,5 | 32,5  | 33,7  | 36,2 | - | -   | - | 62  |  |
| 63   | 27,5  | 27,9  | 28,6  | 28,8  | 29,5  | 30,7  | 30,2  | 31,2  | 33,0 | 31,1  | 32,3  | 34,7 | - | -   | - | 63  |  |
| 66   | 23,8  | 24,2  | -     | 25,0  | 25,7  | 26,8  | 26,5  | 27,4  | 29,0 | 27,3  | 28,5  | 30,5 | - | -   | - | 66  |  |
| 69   | 20,6  | 20,8  | -     | 21,7  | 22,2  | 23,2  | 23,1  | 23,9  | 25,2 | 23,8  | 24,8  | 26,7 | - | -   | - | 69  |  |
| 70   | 19,6  | 19,8  | -     | 20,7  | 21,2  | -     | 22,1  | 22,8  | 24,1 | 22,7  | 23,7  | 25,6 | - | -   | - | 70  |  |
| 71   | 18,6  | 18,8  | -     | 19,7  | 20,1  | -     | 21,0  | 21,7  | 23,0 | 21,7  | 22,6  | 24,4 | - | -   | - | 71  |  |
| 74   | 15,8  | -     | -     | 16,9  | 17,3  | -     | 18,1  | 18,8  | 19,9 | 18,8  | 19,6  | 21,2 | - | -   | - | 74  |  |
| 75   | -     | -     | -     | 16,0  | 16,4  | -     | 17,2  | 17,8  | 18,9 | 17,8  | 18,6  | 20,2 | - | -   | - | 75  |  |
| 77   | -     | -     | -     | 14,3  | 14,6  | -     | 15,4  | 16,0  | -    | 16,0  | 16,8  | 18,3 | - | -   | - | 77  |  |
| 78   | -     | -     | -     | 13,5  | -     | -     | 14,6  | 15,2  | -    | 15,2  | 16,0  | 17,4 | - | -   | - | 78  |  |
| 80   | -     | -     | -     | 11,9  | -     | -     | 13,1  | 13,6  | -    | 13,6  | 14,3  | 15,6 | - | -   | - | 80  |  |
| 81   | -     | -     | -     | -     | -     | -     | 12,3  | 12,8  | -    | 12,8  | 13,5  | 14,7 | - | -   | - | 81  |  |
| 82   | -     | -     | -     | -     | -     | -     | 11,6  | 12,0  | -    | 12,1  | 12,7  | -    | - | -   | - | 82  |  |
| 86   | -     | -     | -     | -     | -     | -     | 8,9   | -     | -    | 9,4   | 9,9   | -    | - | -   | - | 86  |  |
| 88   | -     | -     | -     | -     | -     | -     | -     | -     | -    | 8,1   | 8,5   | -    | - | -   | - | 88  |  |
| 90   | -     | -     | -     | -     | -     | -     | -     | -     | -    | 6,9   | -     | -    | - | -   | - | 90  |  |
| 91   | -     | -     | -     | -     | -     | -     | -     | -     | -    | 6,3   | -     | -    | - | -   | - | 91  |  |

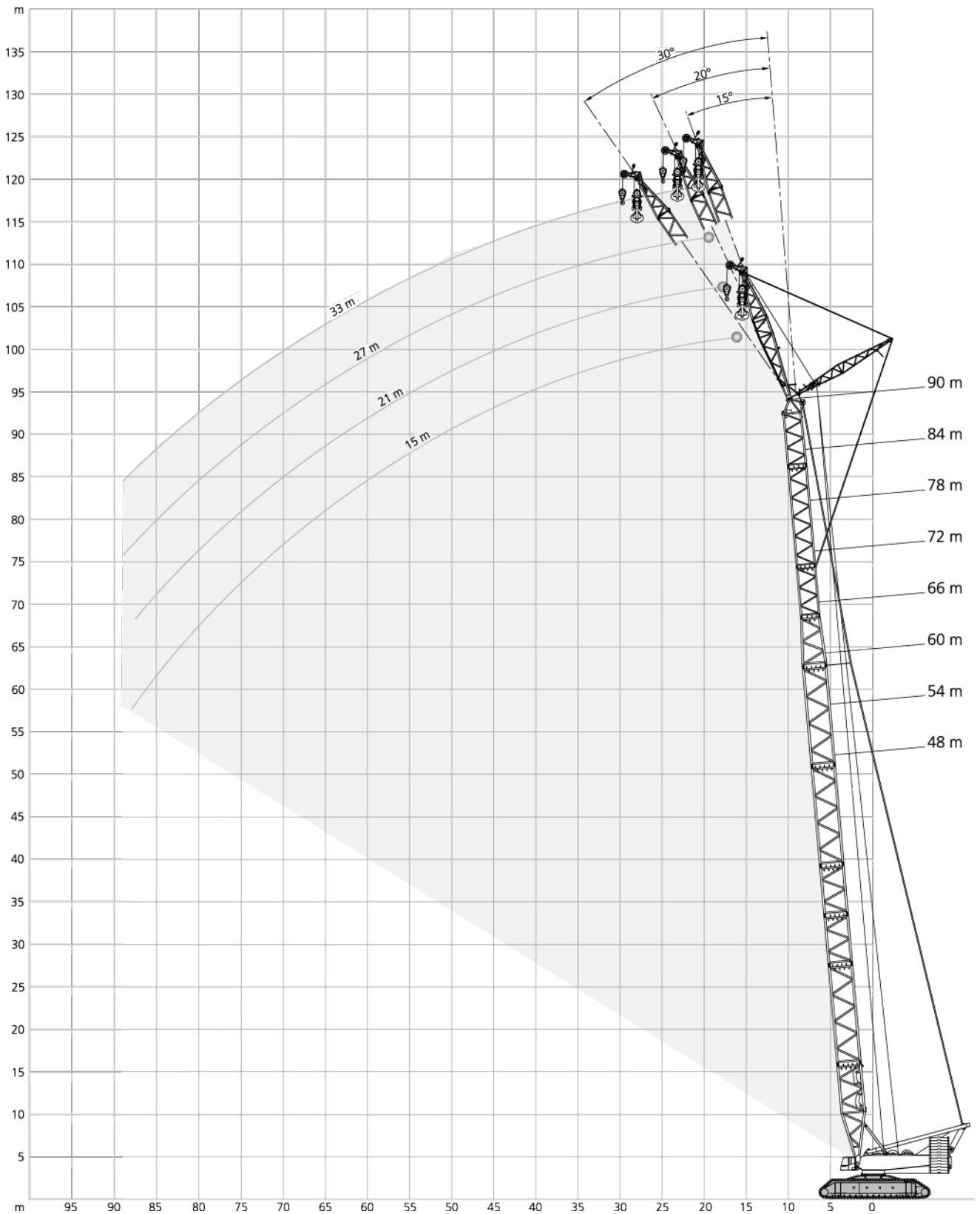
130t
 170t
 210t
 250t

| 15-33 m |       |       |       | 9,60 m |       |       |       | 9.8 m/s |      |       |       | 360° |     | ISO |
|---------|-------|-------|-------|--------|-------|-------|-------|---------|------|-------|-------|------|-----|-----|
| 72 m    |       |       |       |        |       |       |       |         |      |       |       |      |     |     |
| 15 m    |       |       | 21 m  |        |       |       | 27 m  |         |      | 33 m  |       |      |     |     |
| 15°     |       | 20°   | 30°   |        | 15°   |       | 20°   | 30°     |      | 15°   |       | 20°  | 30° |     |
| m       | t     | t     | t     | t      | t     | t     | t     | t       | t    | t     | t     | t    | t   | m   |
| 14      | 250,0 | -     | -     | -      | -     | -     | -     | -       | -    | -     | -     | -    | -   | 14  |
| 16      | 241,0 | 244,0 | -     | 233,0  | -     | -     | -     | -       | -    | -     | -     | -    | -   | 16  |
| 18      | 212,0 | 215,0 | 152,0 | 210,0  | 178,0 | -     | 175,0 | -       | -    | -     | -     | -    | -   | 18  |
| 20      | 188,0 | 191,0 | 151,0 | 187,0  | 178,0 | -     | 175,0 | -       | -    | -     | 140,0 | -    | -   | 20  |
| 21      | 178,0 | 181,0 | 149,5 | 177,5  | 174,5 | 111,0 | 171,0 | 135,0   | -    | 140,0 | -     | -    | -   | 21  |
| 22      | 168,0 | 171,0 | 148,0 | 168,0  | 171,0 | 111,0 | 167,0 | 135,0   | -    | 140,0 | -     | -    | -   | 22  |
| 23      | 159,5 | 162,5 | 146,5 | 159,5  | 162,5 | 110,0 | 159,0 | 133,5   | -    | 138,5 | 106,0 | -    | -   | 23  |
| 24      | 151,0 | 154,0 | 145,0 | 151,0  | 154,0 | 109,0 | 151,0 | 132,0   | -    | 137,0 | 106,0 | -    | -   | 24  |
| 25      | 144,0 | 146,5 | 143,5 | 144,0  | 147,0 | 107,5 | 144,0 | 129,5   | 83,0 | 133,5 | 106,0 | -    | -   | 25  |
| 26      | 137,0 | 139,0 | 142,0 | 137,0  | 140,0 | 106,0 | 137,0 | 127,0   | 83,0 | 130,0 | 106,0 | -    | -   | 26  |
| 28      | 124,0 | 126,0 | 130,0 | 125,0  | 127,0 | 103,0 | 125,0 | 123,0   | 82,0 | 125,0 | 102,0 | 64,5 | -   | 28  |
| 30      | 113,0 | 115,0 | 118,0 | 114,0  | 116,0 | 100,0 | 115,0 | 118,0   | 79,5 | 114,0 | 98,5  | 64,5 | -   | 30  |
| 34      | 95,0  | 96,5  | 99,5  | 96,0   | 98,0  | 95,5  | 97,0  | 99,5    | 75,5 | 97,0  | 91,5  | 61,5 | -   | 34  |
| 38      | 80,5  | 81,5  | 84,0  | 81,5   | 83,5  | 86,5  | 82,5  | 85,0    | 72,0 | 83,0  | 85,5  | 58,5 | -   | 38  |
| 42      | 67,2  | 68,2  | 70,2  | 69,0   | 70,7  | 73,2  | 70,7  | 72,5    | 68,5 | 71,2  | 73,5  | 55,0 | -   | 42  |
| 46      | 55,7  | 56,5  | 58,5  | 57,5   | 59,0  | 61,5  | 59,5  | 61,2    | 63,0 | 60,7  | 62,7  | 52,2 | -   | 46  |
| 50      | 46,1  | 46,8  | 48,5  | 47,7   | 49,1  | 51,4  | 49,7  | 51,5    | 54,4 | 51,1  | 53,0  | 49,9 | -   | 50  |
| 54      | 38,0  | 38,7  | 40,1  | 39,7   | 40,9  | 42,9  | 41,7  | 43,1    | 45,8 | 42,8  | 44,6  | 46,3 | -   | 54  |
| 58      | 31,3  | 32,0  | 33,1  | 32,9   | 33,9  | 35,5  | 34,6  | 35,8    | 38,3 | 35,6  | 37,3  | 40,3 | -   | 58  |
| 62      | 25,5  | 26,0  | 27,0  | 26,9   | 27,8  | 29,4  | 28,6  | 29,8    | 31,9 | 29,6  | 31,1  | 33,7 | -   | 62  |
| 66      | 20,6  | 21,0  | 21,8  | 21,9   | 22,7  | 23,9  | 23,5  | 24,4    | 26,3 | 24,3  | 25,6  | 28,0 | -   | 66  |
| 68      | 18,3  | 18,7  | 19,4  | 19,6   | 20,3  | 21,4  | 21,1  | 22,0    | 23,7 | 21,9  | 23,2  | 25,4 | -   | 68  |
| 70      | 16,2  | 16,6  | -     | 17,5   | 18,1  | 19,2  | 19,0  | 19,8    | 21,4 | 19,7  | 20,9  | 23,0 | -   | 70  |
| 74      | 12,4  | 12,8  | -     | 13,6   | 14,1  | 15,0  | 14,9  | 15,8    | 17,1 | 15,7  | 16,7  | 18,6 | -   | 74  |
| 76      | 10,7  | 11,0  | -     | 11,8   | 12,3  | -     | 13,1  | 13,9    | 15,1 | 13,9  | 14,8  | 16,6 | -   | 76  |
| 78      | 9,1   | -     | -     | 10,2   | 10,6  | -     | 11,5  | 12,2    | 13,3 | 12,2  | 13,0  | 14,6 | -   | 78  |
| 79      | 8,3   | -     | -     | 9,4    | 9,8   | -     | 10,7  | 11,3    | 12,4 | 11,3  | 12,2  | 13,7 | -   | 79  |
| 82      | -     | -     | -     | 7,2    | 7,5   | -     | 8,4   | 9,0     | -    | 9,0   | 9,8   | 11,2 | -   | 82  |
| 85      | -     | -     | -     | 5,1    | -     | -     | 6,2   | 6,8     | -    | 6,8   | 7,6   | 8,8  | -   | 85  |
| 86      | -     | -     | -     | -      | -     | -     | 5,6   | 6,1     | -    | 6,1   | 6,9   | -    | -   | 86  |
| 87      | -     | -     | -     | -      | -     | -     | -     | 5,4     | -    | 5,5   | 6,2   | -    | -   | 87  |
| 88      | -     | -     | -     | -      | -     | -     | -     | -       | -    | -     | 5,5   | -    | -   | 88  |

130 t
170 t
210 t
250 t

| 15-33 m |       |       |       | 9,60 m |       |       |       | 9.8 m/s |      |       |       | 360° |     | ISO |    |
|---------|-------|-------|-------|--------|-------|-------|-------|---------|------|-------|-------|------|-----|-----|----|
| 78 m    |       |       |       |        |       |       |       |         |      |       |       |      |     |     |    |
| 15 m    |       |       | 21 m  |        |       |       | 27 m  |         |      | 33 m  |       |      |     |     |    |
| 15°     | 20°   | 30°   | 15°   | 20°    | 30°   | 15°   | 20°   | 30°     | 15°  | 20°   | 30°   | 15°  | 20° | 30° |    |
| m       | t     | t     | t     | t      | t     | t     | t     | t       | t    | t     | t     | t    | t   | t   | m  |
| 15      | 248,0 | -     | -     | -      | -     | -     | -     | -       | -    | -     | -     | -    | -   | -   | 15 |
| 16      | 231,0 | 235,0 | -     | 233,0  | -     | -     | -     | -       | -    | -     | -     | -    | -   | -   | 16 |
| 18      | 204,0 | 207,0 | 151,0 | 210,0  | -     | -     | -     | -       | -    | -     | -     | -    | -   | -   | 18 |
| 19      | 192,0 | 195,0 | 151,0 | 198,0  | 176,0 | -     | 177,0 | -       | -    | -     | -     | -    | -   | -   | 19 |
| 20      | 181,0 | 184,0 | 151,0 | 187,0  | 176,0 | -     | 177,0 | -       | -    | -     | -     | -    | -   | -   | 20 |
| 21      | 171,5 | 174,0 | 149,5 | 177,5  | 170,5 | -     | 169,0 | 134,0   | -    | 140,0 | -     | -    | -   | -   | 21 |
| 22      | 162,0 | 164,0 | 148,0 | 168,0  | 165,0 | 110,0 | 161,0 | 134,0   | -    | 140,0 | -     | -    | -   | -   | 22 |
| 24      | 145,0 | 148,0 | 145,0 | 151,0  | 149,0 | 110,0 | 146,0 | 134,0   | -    | 140,0 | 107,0 | -    | -   | -   | 24 |
| 25      | 138,0 | 140,5 | 141,5 | 144,0  | 142,0 | 108,5 | 139,0 | 131,5   | 82,5 | 136,0 | 107,0 | -    | -   | -   | 25 |
| 26      | 131,0 | 133,0 | 138,0 | 137,0  | 135,0 | 107,0 | 132,0 | 129,0   | 82,5 | 132,0 | 107,0 | -    | -   | -   | 26 |
| 28      | 119,0 | 121,0 | 125,0 | 125,0  | 122,0 | 104,0 | 120,0 | 124,0   | 82,5 | 120,0 | 103,0 | -    | -   | -   | 28 |
| 29      | 113,5 | 115,5 | 119,5 | 119,5  | 117,0 | 102,5 | 115,0 | 118,5   | 81,5 | 115,0 | 101,2 | 64,5 | -   | -   | 29 |
| 30      | 108,0 | 110,0 | 114,0 | 114,0  | 112,0 | 101,0 | 110,0 | 113,0   | 80,5 | 110,0 | 99,5  | 64,5 | -   | -   | 30 |
| 34      | 90,5  | 92,5  | 95,5  | 96,0   | 94,0  | 96,5  | 92,5  | 95,5    | 76,5 | 93,0  | 93,0  | 62,0 | -   | -   | 34 |
| 38      | 76,5  | 77,5  | 80,5  | 81,5   | 79,0  | 83,0  | 78,5  | 81,0    | 72,5 | 79,0  | 82,0  | 59,0 | -   | -   | 38 |
| 42      | 64,2  | 65,5  | 67,7  | 69,0   | 67,5  | 70,7  | 67,2  | 69,2    | 69,2 | 67,7  | 70,2  | 56,0 | -   | -   | 42 |
| 46      | 53,2  | 54,2  | 56,0  | 57,5   | 56,5  | 59,5  | 57,0  | 58,7    | 62,5 | 58,0  | 60,2  | 53,0 | -   | -   | 46 |
| 50      | 43,5  | 44,5  | 46,1  | 47,7   | 46,6  | 49,3  | 47,5  | 49,1    | 52,6 | 48,9  | 50,9  | 50,5 | -   | -   | 50 |
| 54      | 35,4  | 36,3  | 37,7  | 39,7   | 38,3  | 40,7  | 39,0  | 40,8    | 43,7 | 40,4  | 42,4  | 45,7 | -   | -   | 54 |
| 58      | 28,5  | 29,3  | 30,7  | 32,9   | 31,3  | 33,3  | 32,1  | 33,5    | 36,0 | 33,3  | 34,9  | 38,3 | -   | -   | 58 |
| 62      | 22,8  | 23,4  | 24,6  | 26,9   | 25,2  | 26,9  | 26,0  | 27,2    | 29,7 | 27,0  | 28,7  | 31,7 | -   | -   | 62 |
| 66      | 17,8  | 18,3  | 19,3  | 21,9   | 20,0  | 21,5  | 20,8  | 22,0    | 24,0 | 21,8  | 23,2  | 25,8 | -   | -   | 66 |
| 70      | 13,4  | 13,8  | 14,6  | 17,5   | 15,4  | 16,7  | 16,2  | 17,3    | 19,1 | 17,2  | 18,4  | 20,8 | -   | -   | 70 |
| 72      | 11,4  | 11,8  | 12,6  | 15,4   | 13,4  | 14,5  | 14,2  | 15,1    | 16,8 | 15,0  | 16,2  | 18,5 | -   | -   | 72 |
| 74      | 9,6   | 10,0  | -     | 13,6   | 11,5  | 12,5  | 12,3  | 13,2    | 14,7 | 13,1  | 14,2  | 16,4 | -   | -   | 74 |
| 78      | 6,2   | 6,5   | -     | 10,2   | 7,9   | 8,8   | 8,7   | 9,5     | 10,9 | 9,5   | 10,5  | 12,4 | -   | -   | 78 |
| 79      | 5,4   | 5,7   | -     | 9,4    | 7,1   | -     | 7,9   | 8,6     | 10,0 | 8,6   | 9,6   | 11,4 | -   | -   | 79 |
| 81      | -     | -     | -     | 7,9    | 5,5   | -     | 6,3   | 7,0     | 8,3  | 7,0   | 8,0   | 9,6  | -   | -   | 81 |
| 82      | -     | -     | -     | 7,2    | -     | -     | 5,6   | 6,2     | 7,5  | 6,2   | 7,2   | 8,8  | -   | -   | 82 |
| 83      | -     | -     | -     | 6,5    | -     | -     | -     | 5,5     | 6,7  | 5,5   | 6,4   | 8,0  | -   | -   | 83 |
| 84      | -     | -     | -     | 5,8    | -     | -     | -     | -       | 5,9  | -     | 5,7   | 7,2  | -   | -   | 84 |
| 85      | -     | -     | -     | 5,1    | -     | -     | -     | -       | -    | -     | -     | 6,4  | -   | -   | 85 |
| 86      | -     | -     | -     | -      | -     | -     | -     | -       | -    | -     | -     | 5,6  | -   | -   | 86 |

130 t
 170 t
 210 t
 250 t



| 48 m |       |       |       |       |       |       |       |       |      |       |       |      |   |     |   |     |  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|---|-----|---|-----|--|
| 15 m |       |       |       | 21 m  |       |       | 27 m  |       |      | 33 m  |       |      |   |     |   |     |  |
| 15°  |       | 20°   |       | 30°   |       | 15°   |       | 20°   |      | 30°   |       | 15°  |   | 20° |   | 30° |  |
| m    | t     | t     | t     | t     | t     | t     | t     | t     | t    | t     | t     | t    | t | t   | t | m   |  |
| 12   | 250,0 | -     | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 12  |  |
| 13   | 250,0 | 250,0 | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 13  |  |
| 14   | 250,0 | 250,0 | -     | 238,0 | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 14  |  |
| 15   | 250,0 | 250,0 | 156,0 | 238,0 | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 15  |  |
| 16   | 250,0 | 245,0 | 154,5 | 230,0 | 185,0 | -     | 179,0 | -     | -    | -     | -     | -    | - | -   | - | 16  |  |
| 18   | 244,0 | 233,5 | 151,0 | 215,0 | 179,5 | -     | 176,0 | 140,0 | -    | 143,0 | -     | -    | - | -   | - | 18  |  |
| 19   | 238,0 | 227,0 | 149,0 | 208,0 | 174,0 | 114,0 | 173,0 | 140,0 | -    | 143,0 | -     | -    | - | -   | - | 19  |  |
| 20   | 225,5 | 221,0 | 146,5 | 201,5 | 169,5 | 112,5 | 168,0 | 137,5 | -    | 141,0 | -     | -    | - | -   | - | 20  |  |
| 21   | 213,0 | 215,0 | 144,0 | 195,0 | 165,0 | 111,0 | 163,0 | 135,0 | -    | 139,0 | 112,0 | -    | - | -   | - | 21  |  |
| 22   | 203,0 | 205,0 | 142,3 | 189,6 | 160,6 | 109,0 | 158,3 | 131,3 | 85,0 | 135,0 | 109,6 | -    | - | -   | - | 22  |  |
| 24   | 183,0 | 185,0 | 139,0 | 179,0 | 152,0 | 105,0 | 149,0 | 124,0 | 85,0 | 127,0 | 105,0 | -    | - | -   | - | 24  |  |
| 26   | 165,0 | 166,5 | 135,0 | 164,0 | 145,0 | 101,2 | 141,0 | 118,0 | 82,0 | 120,5 | 100,0 | 67,0 | - | -   | - | 26  |  |
| 28   | 147,0 | 148,0 | 131,0 | 149,0 | 138,0 | 97,5  | 133,0 | 112,0 | 79,0 | 114,0 | 95,0  | 65,5 | - | -   | - | 28  |  |
| 30   | 134,0 | 135,0 | 127,0 | 135,5 | 131,0 | 94,5  | 126,5 | 107,0 | 76,0 | 108,0 | 90,5  | 63,0 | - | -   | - | 30  |  |
| 34   | 111,5 | 112,5 | 113,5 | 112,5 | 114,0 | 88,7  | 112,0 | 97,7  | 70,5 | 97,2  | 82,2  | 58,2 | - | -   | - | 34  |  |
| 38   | 94,5  | 95,2  | 96,2  | 95,5  | 96,5  | 83,7  | 96,5  | 90,0  | 66,0 | 88,5  | 75,5  | 54,2 | - | -   | - | 38  |  |
| 42   | 81,5  | 81,8  | 82,8  | 82,3  | 83,1  | 78,6  | 83,3  | 82,0  | 62,1 | 80,5  | 70,0  | 50,9 | - | -   | - | 42  |  |
| 46   | 70,5  | 70,5  | 71,5  | 71,0  | 71,5  | 73,0  | 72,0  | 73,0  | 58,5 | 72,5  | 65,0  | 47,8 | - | -   | - | 46  |  |
| 50   | 62,1  | 62,1  | 62,7  | 62,6  | 63,1  | 64,3  | 63,3  | 64,3  | 55,8 | 63,8  | 60,6  | 45,3 | - | -   | - | 50  |  |
| 51   | 60,0  | 60,0  | 60,5  | 60,5  | 61,0  | 62,1  | 61,1  | 62,1  | 55,1 | 61,6  | 59,5  | 44,7 | - | -   | - | 51  |  |
| 54   | 54,8  | 54,7  | -     | 55,3  | 55,7  | 56,5  | 55,8  | 56,6  | 53,3 | 56,2  | 55,6  | 43,1 | - | -   | - | 54  |  |
| 56   | 51,6  | 51,5  | -     | 52,1  | 52,5  | 53,0  | 52,7  | 53,3  | 52,1 | 53,0  | 52,8  | 42,1 | - | -   | - | 56  |  |
| 58   | 48,5  | -     | -     | 49,0  | 49,3  | -     | 49,6  | 50,0  | 51,0 | 49,8  | 50,0  | 41,2 | - | -   | - | 58  |  |
| 62   | -     | -     | -     | 43,8  | 44,0  | -     | 44,4  | 44,8  | 45,4 | 44,5  | 45,0  | 39,6 | - | -   | - | 62  |  |
| 64   | -     | -     | -     | 41,3  | -     | -     | 41,9  | 42,3  | -    | 41,9  | 42,5  | 38,9 | - | -   | - | 64  |  |
| 66   | -     | -     | -     | -     | -     | -     | 39,7  | 40,0  | -    | 39,7  | 40,2  | 38,4 | - | -   | - | 66  |  |
| 68   | -     | -     | -     | -     | -     | -     | 37,5  | 37,7  | -    | 37,5  | 37,9  | 37,9 | - | -   | - | 68  |  |
| 70   | -     | -     | -     | -     | -     | -     | 35,3  | -     | -    | 35,3  | 35,7  | -    | - | -   | - | 70  |  |
| 73   | -     | -     | -     | -     | -     | -     | -     | -     | -    | 32,5  | 32,8  | -    | - | -   | - | 73  |  |
| 74   | -     | -     | -     | -     | -     | -     | -     | -     | -    | 31,6  | -     | -    | - | -   | - | 74  |  |
| 76   | -     | -     | -     | -     | -     | -     | -     | -     | -    | 29,8  | -     | -    | - | -   | - | 76  |  |

130 t
 170 t
 210 t
 250 t

| 54 m |       |       |       |       |       |       |       |       |      |       |       |      |   |     |   |     |  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|---|-----|---|-----|--|
| 15 m |       |       |       | 21 m  |       |       | 27 m  |       |      | 33 m  |       |      |   |     |   |     |  |
| 15°  |       | 20°   |       | 30°   |       | 15°   |       | 20°   |      | 30°   |       | 15°  |   | 20° |   | 30° |  |
| m    | t     | t     | t     | t     | t     | t     | t     | t     | t    | t     | t     | t    | t | t   | t | m   |  |
| 13   | 250,0 | -     | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 13  |  |
| 14   | 250,0 | 250,0 | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 14  |  |
| 15   | 250,0 | 250,0 | -     | 234,0 | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 15  |  |
| 16   | 250,0 | 247,0 | 154,0 | 230,0 | 182,0 | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 16  |  |
| 17   | 250,0 | 244,0 | 154,0 | 226,0 | 182,0 | -     | 182,0 | -     | -    | -     | -     | -    | - | -   | - | 17  |  |
| 18   | 239,5 | 238,0 | 152,0 | 219,0 | 179,5 | -     | 179,0 | -     | -    | -     | -     | -    | - | -   | - | 18  |  |
| 19   | 229,0 | 232,0 | 150,0 | 212,0 | 177,0 | 113,0 | 176,0 | 142,0 | -    | 145,0 | -     | -    | - | -   | - | 19  |  |
| 20   | 217,0 | 219,5 | 148,0 | 206,0 | 172,5 | 113,0 | 171,0 | 140,0 | -    | 143,0 | -     | -    | - | -   | - | 20  |  |
| 21   | 205,0 | 207,0 | 146,0 | 200,0 | 168,0 | 113,0 | 166,0 | 138,0 | -    | 141,0 | 111,0 | -    | - | -   | - | 21  |  |
| 22   | 195,3 | 197,3 | 144,3 | 191,3 | 164,3 | 110,6 | 161,3 | 134,3 | -    | 137,0 | 109,6 | -    | - | -   | - | 22  |  |
| 23   | 185,6 | 187,6 | 142,6 | 182,6 | 160,6 | 108,3 | 156,6 | 130,6 | 86,0 | 133,0 | 108,3 | -    | - | -   | - | 23  |  |
| 24   | 176,0 | 178,0 | 141,0 | 174,0 | 157,0 | 106,0 | 152,0 | 127,0 | 86,0 | 129,0 | 107,0 | -    | - | -   | - | 24  |  |
| 26   | 160,5 | 162,0 | 137,5 | 160,0 | 150,0 | 102,7 | 145,0 | 121,0 | 83,0 | 123,0 | 102,0 | 66,5 | - | -   | - | 26  |  |
| 28   | 145,0 | 146,0 | 134,0 | 146,0 | 143,0 | 99,5  | 138,0 | 115,0 | 80,0 | 117,0 | 97,0  | 66,0 | - | -   | - | 28  |  |
| 30   | 132,0 | 133,0 | 128,0 | 133,0 | 132,5 | 96,5  | 130,0 | 110,0 | 77,2 | 111,5 | 92,7  | 63,5 | - | -   | - | 30  |  |
| 34   | 109,5 | 110,0 | 112,0 | 110,5 | 112,0 | 91,0  | 112,0 | 101,0 | 72,0 | 101,2 | 84,7  | 59,0 | - | -   | - | 34  |  |
| 38   | 92,5  | 92,7  | 94,2  | 93,5  | 94,5  | 86,0  | 94,5  | 92,5  | 67,5 | 92,0  | 78,0  | 55,2 | - | -   | - | 38  |  |
| 42   | 79,3  | 79,8  | 80,6  | 80,1  | 81,1  | 79,3  | 81,1  | 82,1  | 63,8 | 81,6  | 72,3  | 51,9 | - | -   | - | 42  |  |
| 46   | 68,0  | 68,5  | 69,0  | 68,5  | 69,5  | 71,0  | 69,5  | 70,5  | 60,5 | 70,0  | 67,0  | 48,9 | - | -   | - | 46  |  |
| 50   | 59,6  | 59,8  | 60,6  | 60,1  | 60,8  | 62,0  | 61,1  | 61,8  | 57,5 | 61,3  | 61,0  | 46,4 | - | -   | - | 50  |  |
| 54   | 52,2  | 52,3  | 52,8  | 52,8  | 53,3  | 54,2  | 53,7  | 54,2  | 53,6 | 53,8  | 54,7  | 44,2 | - | -   | - | 54  |  |
| 55   | 50,6  | 50,7  | 51,0  | 51,2  | 51,7  | 52,5  | 52,1  | 52,6  | 52,5 | 52,2  | 53,1  | 43,7 | - | -   | - | 55  |  |
| 58   | 45,7  | 46,0  | -     | 46,4  | 46,9  | 47,6  | 47,2  | 47,8  | 49,0 | 47,5  | 48,3  | 42,2 | - | -   | - | 58  |  |
| 61   | 41,6  | 41,7  | -     | 42,3  | 42,7  | 43,3  | 43,1  | 43,7  | 44,8 | 43,3  | 44,1  | 41,0 | - | -   | - | 61  |  |
| 62   | 40,2  | -     | -     | 40,9  | 41,3  | -     | 41,7  | 42,3  | 43,4 | 41,9  | 42,7  | 40,6 | - | -   | - | 62  |  |
| 63   | 38,9  | -     | -     | 39,5  | 39,9  | -     | 40,3  | 40,9  | 42,0 | 40,5  | 41,3  | 40,2 | - | -   | - | 63  |  |
| 66   | -     | -     | -     | 35,9  | 36,2  | -     | 36,7  | 37,3  | 38,0 | 36,9  | 37,6  | 37,9 | - | -   | - | 66  |  |
| 67   | -     | -     | -     | 34,8  | 35,0  | -     | 35,6  | 36,1  | -    | 35,8  | 36,5  | 36,9 | - | -   | - | 67  |  |
| 69   | -     | -     | -     | 32,6  | -     | -     | 33,4  | 33,8  | -    | 33,5  | 34,1  | 35,0 | - | -   | - | 69  |  |
| 70   | -     | -     | -     | -     | -     | -     | 32,3  | 32,7  | -    | 32,4  | 33,0  | 34,1 | - | -   | - | 70  |  |
| 72   | -     | -     | -     | -     | -     | -     | 30,4  | 30,7  | -    | 30,4  | 31,0  | 32,0 | - | -   | - | 72  |  |
| 73   | -     | -     | -     | -     | -     | -     | 29,4  | 29,8  | -    | 29,4  | 30,0  | -    | - | -   | - | 73  |  |
| 74   | -     | -     | -     | -     | -     | -     | 28,5  | -     | -    | 28,5  | 29,0  | -    | - | -   | - | 74  |  |
| 75   | -     | -     | -     | -     | -     | -     | 27,7  | -     | -    | 27,6  | 28,1  | -    | - | -   | - | 75  |  |
| 78   | -     | -     | -     | -     | -     | -     | -     | -     | -    | 25,2  | 25,6  | -    | - | -   | - | 78  |  |
| 81   | -     | -     | -     | -     | -     | -     | -     | -     | -    | 22,9  | -     | -    | - | -   | - | 81  |  |

130 t
 170 t
 210 t
 250 t



| 60 m |       |       |       |       |       |       |       |       |      |       |       |      |   |     |   |     |  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|---|-----|---|-----|--|
| 15 m |       |       |       | 21 m  |       |       | 27 m  |       |      | 33 m  |       |      |   |     |   |     |  |
| 15°  |       | 20°   |       | 30°   |       | 15°   |       | 20°   |      | 30°   |       | 15°  |   | 20° |   | 30° |  |
| m    | t     | t     | t     | t     | t     | t     | t     | t     | t    | t     | t     | t    | t | t   | t | m   |  |
| 13   | 250,0 | -     | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 13  |  |
| 14   | 250,0 | 250,0 | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 14  |  |
| 15   | 250,0 | 250,0 | -     | 230,0 | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 15  |  |
| 16   | 249,5 | 249,5 | -     | 230,0 | -     | -     | -     | -     | -    | -     | -     | -    | - | -   | - | 16  |  |
| 17   | 249,0 | 249,0 | 153,0 | 230,0 | 184,0 | -     | 179,0 | -     | -    | -     | -     | -    | - | -   | - | 17  |  |
| 18   | 235,0 | 236,0 | 152,0 | 223,0 | 182,0 | -     | 179,0 | -     | -    | -     | -     | -    | - | -   | - | 18  |  |
| 19   | 221,0 | 223,0 | 151,0 | 216,0 | 180,0 | -     | 179,0 | 139,0 | -    | 143,0 | -     | -    | - | -   | - | 19  |  |
| 20   | 209,0 | 211,0 | 149,5 | 205,5 | 175,5 | 113,0 | 174,0 | 139,0 | -    | 143,0 | -     | -    | - | -   | - | 20  |  |
| 22   | 187,6 | 189,6 | 146,3 | 186,0 | 167,3 | 110,5 | 164,6 | 136,0 | -    | 139,3 | 109,0 | -    | - | -   | - | 22  |  |
| 23   | 178,3 | 180,3 | 144,6 | 177,0 | 163,6 | 109,2 | 160,3 | 133,0 | 85,0 | 135,6 | 109,0 | -    | - | -   | - | 23  |  |
| 24   | 169,0 | 171,0 | 143,0 | 168,0 | 160,0 | 108,0 | 156,0 | 130,0 | 85,0 | 132,0 | 109,0 | -    | - | -   | - | 24  |  |
| 26   | 155,0 | 156,5 | 139,5 | 154,0 | 151,0 | 104,5 | 147,5 | 124,0 | 83,0 | 125,5 | 104,0 | -    | - | -   | - | 26  |  |
| 27   | 148,0 | 149,2 | 137,7 | 147,0 | 146,5 | 102,7 | 143,2 | 121,0 | 82,0 | 122,2 | 101,5 | 65,5 | - | -   | - | 27  |  |
| 28   | 141,0 | 142,0 | 136,0 | 140,0 | 142,0 | 101,0 | 139,0 | 118,0 | 81,0 | 119,0 | 99,0  | 65,5 | - | -   | - | 28  |  |
| 30   | 129,0 | 130,0 | 128,0 | 129,0 | 131,0 | 98,0  | 129,0 | 113,0 | 78,2 | 114,0 | 94,7  | 63,7 | - | -   | - | 30  |  |
| 34   | 107,2 | 108,2 | 110,0 | 108,5 | 110,0 | 92,5  | 109,5 | 104,0 | 73,2 | 104,2 | 87,0  | 60,0 | - | -   | - | 34  |  |
| 38   | 90,0  | 90,7  | 92,2  | 91,2  | 92,2  | 87,7  | 92,5  | 93,2  | 69,0 | 92,5  | 80,2  | 56,2 | - | -   | - | 38  |  |
| 42   | 76,8  | 77,3  | 78,6  | 77,8  | 78,6  | 80,0  | 79,1  | 80,5  | 65,3 | 79,6  | 74,5  | 52,9 | - | -   | - | 42  |  |
| 46   | 65,5  | 66,0  | 67,0  | 66,5  | 67,0  | 69,0  | 67,5  | 68,5  | 62,0 | 68,0  | 69,5  | 49,9 | - | -   | - | 46  |  |
| 50   | 56,8  | 57,3  | 58,3  | 57,8  | 58,6  | 60,0  | 58,8  | 59,8  | 58,6 | 59,3  | 60,5  | 47,4 | - | -   | - | 50  |  |
| 54   | 49,2  | 49,6  | 50,5  | 50,1  | 51,0  | 52,0  | 51,1  | 52,1  | 53,6 | 51,6  | 52,6  | 45,2 | - | -   | - | 54  |  |
| 58   | 42,6  | 43,0  | 43,7  | 43,5  | 44,1  | 45,2  | 44,5  | 45,4  | 46,9 | 44,9  | 46,0  | 43,2 | - | -   | - | 58  |  |
| 59   | 41,2  | 41,6  | 42,1  | 42,1  | 42,6  | 43,7  | 43,1  | 43,9  | 45,4 | 43,4  | 44,5  | 42,5 | - | -   | - | 59  |  |
| 62   | 37,2  | 37,5  | -     | 37,9  | 38,4  | 39,4  | 38,9  | 39,6  | 41,0 | 39,2  | 40,2  | 40,4 | - | -   | - | 62  |  |
| 65   | 33,3  | 33,6  | -     | 34,0  | 34,4  | 35,2  | 34,9  | 35,6  | 36,8 | 35,2  | 36,1  | 37,7 | - | -   | - | 65  |  |
| 66   | 32,1  | 32,4  | -     | 32,9  | 33,3  | -     | 33,7  | 34,5  | 35,6 | 34,0  | 34,9  | 36,5 | - | -   | - | 66  |  |
| 69   | 29,0  | -     | -     | 29,5  | 29,9  | -     | 30,3  | 31,0  | 32,0 | 30,6  | 31,4  | 32,8 | - | -   | - | 69  |  |
| 70   | -     | -     | -     | 28,5  | 28,8  | -     | 29,3  | 29,9  | 30,8 | 29,5  | 30,3  | 31,6 | - | -   | - | 70  |  |
| 71   | -     | -     | -     | 27,5  | 27,8  | -     | 28,3  | 28,9  | 29,7 | 28,5  | 29,3  | 30,5 | - | -   | - | 71  |  |
| 72   | -     | -     | -     | 26,6  | 26,9  | -     | 27,4  | 28,0  | -    | 27,6  | 28,3  | 29,5 | - | -   | - | 72  |  |
| 74   | -     | -     | -     | 24,8  | -     | -     | 25,6  | 26,1  | -    | 25,7  | 26,4  | 27,5 | - | -   | - | 74  |  |
| 76   | -     | -     | -     | -     | -     | -     | 23,8  | 24,2  | -    | 23,9  | 24,5  | 25,5 | - | -   | - | 76  |  |
| 77   | -     | -     | -     | -     | -     | -     | 23,0  | 23,3  | -    | 23,0  | 23,6  | -    | - | -   | - | 77  |  |
| 78   | -     | -     | -     | -     | -     | -     | 22,2  | -     | -    | 22,2  | 22,8  | -    | - | -   | - | 78  |  |
| 80   | -     | -     | -     | -     | -     | -     | 20,6  | -     | -    | 20,6  | 21,2  | -    | - | -   | - | 80  |  |
| 82   | -     | -     | -     | -     | -     | -     | -     | -     | -    | 19,2  | 19,6  | -    | - | -   | - | 82  |  |
| 83   | -     | -     | -     | -     | -     | -     | -     | -     | -    | 18,5  | 18,9  | -    | - | -   | - | 83  |  |
| 86   | -     | -     | -     | -     | -     | -     | -     | -     | -    | 16,5  | -     | -    | - | -   | - | 86  |  |

130 t
 170 t
 210 t
 250 t

| 15-33 m |       |       |       | 9,60 m |       |       |       | 9.8 m/s |      |       |       | 360° |     | ISO |    |
|---------|-------|-------|-------|--------|-------|-------|-------|---------|------|-------|-------|------|-----|-----|----|
| 66 m    |       |       |       |        |       |       |       |         |      |       |       |      |     |     |    |
| 15 m    |       |       | 21 m  |        |       |       | 27 m  |         |      | 33 m  |       |      |     |     |    |
| 15°     | 20°   | 30°   | 15°   | 20°    | 30°   | 15°   | 20°   | 30°     | 15°  | 20°   | 30°   | 15°  | 20° | 30° |    |
| m       | t     | t     | t     | t      | t     | t     | t     | t       | t    | t     | t     | t    | t   | t   | m  |
| 14      | 250,0 | -     | -     | -      | -     | -     | -     | -       | -    | -     | -     | -    | -   | -   | 14 |
| 15      | 250,0 | 250,0 | -     | -      | -     | -     | -     | -       | -    | -     | -     | -    | -   | -   | 15 |
| 16      | 245,5 | 247,0 | -     | -      | -     | -     | -     | -       | -    | -     | -     | -    | -   | -   | 16 |
| 17      | 241,0 | 244,0 | 158,0 | 237,0  | 189,0 | -     | -     | -       | -    | -     | -     | -    | -   | -   | 17 |
| 18      | 227,5 | 230,0 | 157,0 | 224,0  | 188,0 | -     | 184,0 | -       | -    | -     | -     | -    | -   | -   | 18 |
| 20      | 202,5 | 204,5 | 154,5 | 200,0  | 182,0 | 118,0 | 181,0 | 143,0   | -    | 145,0 | -     | -    | -   | -   | 20 |
| 22      | 182,0 | 184,0 | 151,3 | 180,3  | 173,0 | 114,5 | 172,6 | 137,5   | -    | 141,5 | 116,0 | -    | -   | -   | 22 |
| 24      | 164,0 | 166,0 | 148,0 | 163,0  | 165,0 | 111,0 | 162,0 | 132,0   | 88,0 | 138,0 | 110,0 | -    | -   | -   | 24 |
| 26      | 150,5 | 152,0 | 144,5 | 149,5  | 151,5 | 107,5 | 148,5 | 126,5   | 85,0 | 131,0 | 105,5 | -    | -   | -   | 26 |
| 27      | 143,7 | 145,0 | 142,7 | 142,7  | 144,7 | 105,7 | 141,7 | 123,7   | 83,5 | 127,5 | 103,2 | 68,5 | -   | -   | 27 |
| 28      | 137,0 | 138,0 | 141,0 | 136,0  | 138,0 | 104,0 | 135,0 | 121,0   | 82,0 | 124,0 | 101,0 | 67,0 | -   | -   | 28 |
| 30      | 126,5 | 127,5 | 130,0 | 125,5  | 127,5 | 101,0 | 125,0 | 116,0   | 79,2 | 118,0 | 96,7  | 64,7 | -   | -   | 30 |
| 34      | 106,2 | 107,2 | 109,0 | 106,5  | 108,0 | 95,2  | 107,2 | 106,0   | 74,2 | 105,5 | 89,0  | 60,5 | -   | -   | 34 |
| 38      | 89,0  | 89,7  | 91,2  | 90,2   | 91,2  | 89,2  | 91,7  | 93,2    | 70,0 | 91,7  | 82,2  | 56,7 | -   | -   | 38 |
| 42      | 75,6  | 76,3  | 77,6  | 76,6   | 77,6  | 80,0  | 78,1  | 79,5    | 66,3 | 78,6  | 75,5  | 53,5 | -   | -   | 42 |
| 46      | 64,0  | 65,0  | 66,0  | 65,0   | 66,0  | 68,0  | 66,5  | 67,5    | 63,0 | 67,0  | 68,5  | 50,5 | -   | -   | 46 |
| 50      | 55,6  | 56,3  | 57,3  | 56,6   | 57,3  | 59,0  | 57,8  | 58,8    | 58,3 | 58,3  | 59,5  | 48,2 | -   | -   | 50 |
| 54      | 48,0  | 48,5  | 49,4  | 48,9   | 49,5  | 50,9  | 50,0  | 50,9    | 52,5 | 50,4  | 51,5  | 46,1 | -   | -   | 54 |
| 58      | 41,1  | 41,6  | 42,4  | 41,9   | 42,7  | 43,9  | 43,0  | 43,9    | 45,7 | 43,4  | 44,6  | 44,1 | -   | -   | 58 |
| 62      | 35,6  | 36,0  | 36,6  | 36,3   | 37,0  | 38,1  | 37,3  | 38,1    | 39,7 | 37,7  | 38,8  | 39,8 | -   | -   | 62 |
| 63      | 34,2  | 34,6  | 35,2  | 34,9   | 35,6  | 36,6  | 35,9  | 36,7    | 38,2 | 36,3  | 37,3  | 38,7 | -   | -   | 63 |
| 66      | 30,6  | 31,0  | -     | 31,3   | 31,7  | 32,6  | 32,1  | 32,9    | 34,2 | 32,4  | 33,4  | 35,2 | -   | -   | 66 |
| 69      | 27,4  | 27,7  | -     | 28,0   | 28,4  | 29,1  | 28,7  | 29,4    | 30,6 | 29,0  | 29,9  | 31,5 | -   | -   | 69 |
| 70      | 26,4  | 26,6  | -     | 26,9   | 27,3  | -     | 27,7  | 28,3    | 29,5 | 27,9  | 28,8  | 30,3 | -   | -   | 70 |
| 71      | 25,4  | 25,6  | -     | 25,9   | 26,3  | -     | 26,7  | 27,3    | 28,4 | 26,9  | 27,8  | 29,2 | -   | -   | 71 |
| 74      | 22,7  | -     | -     | 23,1   | 23,5  | -     | 23,9  | 24,5    | 25,4 | 24,1  | 24,8  | 26,2 | -   | -   | 74 |
| 75      | -     | -     | -     | 22,2   | 22,6  | -     | 23,0  | 23,5    | 24,4 | 23,1  | 23,8  | 25,2 | -   | -   | 75 |
| 77      | -     | -     | -     | 20,6   | 20,9  | -     | 21,3  | 21,7    | -    | 21,4  | 22,0  | 23,3 | -   | -   | 77 |
| 78      | -     | -     | -     | 19,8   | -     | -     | 20,5  | 20,9    | -    | 20,6  | 21,2  | 22,4 | -   | -   | 78 |
| 80      | -     | -     | -     | 18,3   | -     | -     | 19,0  | 19,3    | -    | 19,0  | 19,6  | 20,6 | -   | -   | 80 |
| 81      | -     | -     | -     | -      | -     | -     | 18,2  | 18,5    | -    | 18,2  | 18,8  | 19,8 | -   | -   | 81 |
| 82      | -     | -     | -     | -      | -     | -     | 17,5  | 17,8    | -    | 17,5  | 18,0  | -    | -   | -   | 82 |
| 85      | -     | -     | -     | -      | -     | -     | 15,5  | -       | -    | 15,5  | 15,9  | -    | -   | -   | 85 |
| 86      | -     | -     | -     | -      | -     | -     | -     | -       | -    | 14,8  | 15,2  | -    | -   | -   | 86 |
| 88      | -     | -     | -     | -      | -     | -     | -     | -       | -    | 13,5  | 13,9  | -    | -   | -   | 88 |
| 90      | -     | -     | -     | -      | -     | -     | -     | -       | -    | 12,3  | -     | -    | -   | -   | 90 |
| 91      | -     | -     | -     | -      | -     | -     | -     | -       | -    | 11,8  | -     | -    | -   | -   | 91 |

130 t
170 t
210 t
250 t

| 72 m  |       |       |       |       |       |       |       |       |      |       |       |      |    |
|---|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|----|
| 15 m      21 m      27 m      33 m                                    |       |       |       |       |       |       |       |       |      |       |       |      |    |
| 15°   20°   30°   15°   20°   30°   15°   20°   30°   15°   20°   30° |       |       |       |       |       |       |       |       |      |       |       |      |    |
| m   | t     | t     | t     | t     | t     | t     | t     | t     | t    | t     | t     | t    | m  |
| 14  | 250,0 | -     | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | 14 |
| 15  | 250,0 | 249,0 | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | 15 |
| 16  | 241,0 | 242,0 | -     | 232,0 | -     | -     | -     | -     | -    | -     | -     | -    | 16 |
| 18  | 219,0 | 222,0 | 154,0 | 216,5 | 181,0 | -     | 179,0 | -     | -    | -     | -     | -    | 18 |
| 20  | 195,5 | 198,0 | 152,0 | 193,5 | 179,5 | -     | 177,0 | 140,0 | -    | 139,0 | -     | -    | 20 |
| 21  | 185,0 | 187,0 | 150,0 | 183,0 | 178,0 | 113,0 | 175,0 | 138,5 | -    | 138,5 | -     | -    | 21 |
| 22  | 176,3 | 178,3 | 148,6 | 174,6 | 172,0 | 112,3 | 169,0 | 137,0 | -    | 138,0 | -     | -    | 22 |
| 23  | 167,6 | 169,6 | 147,3 | 166,3 | 166,0 | 111,6 | 163,0 | 135,5 | -    | 137,5 | 110,0 | -    | 23 |
| 24  | 159,0 | 161,0 | 146,0 | 158,0 | 160,0 | 111,0 | 157,0 | 134,0 | 84,5 | 137,0 | 110,0 | -    | 24 |
| 26  | 145,5 | 147,5 | 141,5 | 145,0 | 147,0 | 108,0 | 144,0 | 128,5 | 83,5 | 131,5 | 106,0 | -    | 26 |
| 28  | 132,0 | 134,0 | 137,0 | 132,0 | 134,0 | 105,0 | 131,0 | 123,0 | 82,5 | 126,0 | 102,0 | 66,5 | 28 |
| 30  | 122,0 | 123,5 | 126,5 | 121,5 | 123,5 | 102,2 | 121,0 | 118,0 | 80,0 | 118,5 | 98,0  | 64,7 | 30 |
| 34  | 103,5 | 104,5 | 107,0 | 103,2 | 105,2 | 96,7  | 103,5 | 105,5 | 75,2 | 103,2 | 90,5  | 61,0 | 34 |
| 38  | 87,5  | 88,2  | 90,2  | 88,2  | 90,0  | 89,2  | 89,2  | 91,0  | 71,2 | 89,2  | 84,0  | 57,5 | 38 |
| 42  | 74,1  | 74,8  | 76,5  | 75,1  | 76,5  | 78,5  | 76,6  | 78,0  | 67,8 | 77,1  | 76,3  | 54,5 | 42 |
| 46  | 62,5  | 63,5  | 64,5  | 63,5  | 64,5  | 66,5  | 65,0  | 66,0  | 64,5 | 65,5  | 67,0  | 51,5 | 46 |
| 50  | 53,9  | 54,5  | 55,8  | 54,8  | 55,8  | 57,5  | 56,0  | 57,3  | 58,1 | 56,8  | 58,0  | 49,1 | 50 |
| 54  | 46,1  | 46,5  | 47,8  | 47,0  | 47,9  | 49,4  | 48,0  | 49,4  | 51,3 | 48,8  | 49,9  | 46,9 | 54 |
| 58  | 39,2  | 39,7  | 40,6  | 40,0  | 40,8  | 42,2  | 41,1  | 42,2  | 44,1 | 41,6  | 42,9  | 44,9 | 58 |
| 62  | 33,5  | 33,9  | 34,8  | 34,3  | 35,1  | 36,3  | 35,4  | 36,4  | 38,1 | 35,8  | 37,0  | 39,1 | 62 |
| 66  | 28,7  | 29,1  | 29,7  | 29,3  | 30,0  | 30,9  | 30,3  | 31,0  | 32,5 | 30,6  | 31,5  | 33,6 | 66 |
| 68  | 26,5  | 26,8  | 27,3  | 27,1  | 27,7  | 28,6  | 28,0  | 28,7  | 30,0 | 28,3  | 29,2  | 31,0 | 68 |
| 70  | 24,3  | 24,6  | -     | 24,9  | 25,4  | 26,3  | 25,7  | 26,4  | 27,7 | 26,0  | 26,9  | 28,7 | 70 |
| 73  | 21,5  | 21,8  | -     | 22,0  | 22,4  | 23,2  | 22,7  | 23,4  | 24,6 | 23,0  | 23,9  | 25,6 | 73 |
| 74  | 20,6  | 20,9  | -     | 21,1  | 21,5  | -     | 21,8  | 22,5  | 23,6 | 22,0  | 22,9  | 24,5 | 74 |
| 76  | 18,9  | 19,1  | -     | 19,3  | 19,7  | -     | 20,1  | 20,7  | 21,7 | 20,2  | 21,0  | 22,5 | 76 |
| 78  | 17,3  | -     | -     | 17,7  | 18,1  | -     | 18,5  | 19,0  | 19,9 | 18,6  | 19,3  | 20,7 | 78 |
| 79  | 16,6  | -     | -     | 17,0  | 17,3  | -     | 17,7  | 18,2  | 19,0 | 17,8  | 18,5  | 19,8 | 79 |
| 81  | -     | -     | -     | 15,4  | 15,8  | -     | 16,1  | 16,6  | -    | 16,2  | 16,9  | 18,0 | 81 |
| 82  | -     | -     | -     | 14,7  | -     | -     | 15,4  | 15,8  | -    | 15,4  | 16,1  | 17,2 | 82 |
| 85  | -     | -     | -     | 12,8  | -     | -     | 13,3  | 13,7  | -    | 13,3  | 13,9  | 14,9 | 85 |
| 86  | -     | -     | -     | -     | -     | -     | 12,6  | 13,1  | -    | 12,6  | 13,2  | -    | 86 |
| 87  | -     | -     | -     | -     | -     | -     | 12,0  | 12,4  | -    | 12,0  | 12,5  | -    | 87 |
| 90  | -     | -     | -     | -     | -     | -     | -     | 10,2  | -    | 10,2  | 10,7  | -    | 90 |
| 91  | -     | -     | -     | -     | -     | -     | 9,7   | -     | -    | 9,7   | 10,1  | -    | 91 |
| 93  | -     | -     | -     | -     | -     | -     | -     | -     | -    | 8,5   | 9,0   | -    | 93 |
| 94  | -     | -     | -     | -     | -     | -     | -     | -     | -    | 8,0   | -     | -    | 94 |
| 96  | -     | -     | -     | -     | -     | -     | -     | -     | -    | 7,0   | -     | -    | 96 |

130 t  
 170 t  
 210 t  
 250 t

| 78 m |       |       |       |       |       |       |       |       |       |      |       |       |      |     |   |     |  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|-----|---|-----|--|
| 15 m |       |       |       | 21 m  |       |       | 27 m  |       |       | 33 m |       |       |      |     |   |     |  |
| 15°  |       | 20°   |       | 30°   |       | 15°   |       | 20°   |       | 30°  |       | 15°   |      | 20° |   | 30° |  |
| m    | t     | t     | t     | t     | t     | t     | t     | t     | t     | t    | t     | t     | t    | t   | t | m   |  |
| 15   | 250,0 | -     | -     | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | -   | - | 15  |  |
| 16   | 237,5 | 242,0 | -     | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | -   | - | 16  |  |
| 17   | 225,0 | 228,0 | -     | -     | 221,0 | -     | -     | -     | -     | -    | -     | -     | -    | -   | - | 17  |  |
| 18   | 212,5 | 215,0 | -     | -     | 209,5 | 187,0 | -     | -     | -     | -    | -     | -     | -    | -   | - | 18  |  |
| 19   | 200,0 | 202,0 | 155,0 | 198,0 | 187,0 | -     | -     | 174,0 | -     | -    | -     | -     | -    | -   | - | 19  |  |
| 20   | 189,5 | 191,5 | 154,5 | 188,0 | 184,0 | -     | -     | 174,0 | -     | -    | -     | -     | -    | -   | - | 20  |  |
| 21   | 179,0 | 181,0 | 154,0 | 178,0 | 181,0 | -     | -     | 174,0 | 143,0 | -    | -     | 133,0 | -    | -   | - | 21  |  |
| 22   | 170,6 | 172,6 | 152,6 | 169,6 | 172,6 | 117,0 | 166,6 | 140,6 | -     | -    | 133,0 | -     | -    | -   | - | 22  |  |
| 23   | 162,3 | 164,3 | 151,3 | 161,3 | 164,3 | 115,5 | 159,3 | 138,3 | -     | -    | 133,0 | 114,0 | -    | -   | - | 23  |  |
| 24   | 154,0 | 156,0 | 150,0 | 153,0 | 156,0 | 114,0 | 152,0 | 136,0 | -     | -    | 133,0 | 113,0 | -    | -   | - | 24  |  |
| 25   | 147,5 | 149,5 | 145,7 | 146,7 | 149,5 | 112,2 | 145,7 | 133,2 | 87,5  | -    | 131,2 | 110,7 | -    | -   | - | 25  |  |
| 26   | 141,0 | 143,0 | 141,5 | 140,5 | 143,0 | 110,5 | 139,5 | 130,5 | 86,1  | -    | 129,5 | 108,5 | -    | -   | - | 26  |  |
| 28   | 128,0 | 130,0 | 133,0 | 128,0 | 130,0 | 107,0 | 127,0 | 125,0 | 83,5  | -    | 126,0 | 104,0 | 67,5 | -   | - | 28  |  |
| 30   | 118,0 | 120,0 | 122,5 | 118,0 | 120,0 | 104,0 | 117,5 | 117,5 | 81,0  | -    | 116,5 | 100,0 | 65,5 | -   | - | 30  |  |
| 34   | 100,2 | 102,0 | 104,0 | 100,2 | 102,0 | 98,5  | 100,5 | 102,5 | 76,2  | -    | 99,7  | 92,5  | 61,5 | -   | - | 34  |  |
| 38   | 85,5  | 86,7  | 88,5  | 86,2  | 87,5  | 89,7  | 86,7  | 88,5  | 72,2  | -    | 86,2  | 85,5  | 58,0 | -   | - | 38  |  |
| 42   | 72,8  | 73,6  | 75,1  | 74,1  | 75,1  | 77,5  | 74,8  | 76,3  | 68,8  | -    | 74,8  | 76,6  | 55,0 | -   | - | 42  |  |
| 46   | 61,5  | 62,0  | 63,5  | 62,5  | 63,5  | 65,5  | 63,5  | 65,0  | 65,5  | -    | 64,5  | 66,0  | 52,0 | -   | - | 46  |  |
| 50   | 52,5  | 53,2  | 54,5  | 53,5  | 54,5  | 56,5  | 54,5  | 56,0  | 57,8  | -    | 55,5  | 57,0  | 49,8 | -   | - | 50  |  |
| 54   | 44,6  | 45,2  | 46,4  | 45,5  | 46,4  | 48,3  | 46,5  | 47,9  | 50,2  | -    | 47,3  | 48,8  | 47,1 | -   | - | 54  |  |
| 58   | 37,6  | 38,2  | 39,2  | 38,4  | 39,3  | 40,9  | 39,5  | 40,7  | 42,8  | -    | 40,0  | 41,4  | 44,1 | -   | - | 58  |  |
| 62   | 31,9  | 32,4  | 33,3  | 32,6  | 33,4  | 34,9  | 33,6  | 34,7  | 36,7  | -    | 34,1  | 35,5  | 37,9 | -   | - | 62  |  |
| 66   | 27,0  | 27,5  | 28,2  | 27,6  | 28,4  | 29,6  | 28,7  | 29,5  | 31,1  | -    | 29,0  | 30,2  | 32,1 | -   | - | 66  |  |
| 70   | 22,6  | 23,0  | 23,6  | 23,2  | 23,8  | 24,8  | 24,1  | 24,9  | 26,3  | -    | 24,3  | 25,4  | 27,3 | -   | - | 70  |  |
| 72   | 20,8  | 21,1  | 21,6  | 21,3  | 21,9  | 22,8  | 22,2  | 22,8  | 24,1  | -    | 22,3  | 23,3  | 25,1 | -   | - | 72  |  |
| 74   | 19,0  | 19,3  | -     | 19,4  | 20,0  | 20,8  | 20,3  | 20,9  | 22,1  | -    | 20,4  | 21,3  | 23,0 | -   | - | 74  |  |
| 78   | 15,6  | 15,9  | -     | 16,0  | 16,5  | 17,1  | 16,8  | 17,4  | 18,5  | -    | 16,9  | 17,7  | 19,2 | -   | - | 78  |  |
| 81   | 13,4  | 13,6  | -     | 13,7  | 14,1  | -     | 14,4  | 15,0  | 15,9  | -    | 14,5  | 15,3  | 16,6 | -   | - | 81  |  |
| 82   | 12,7  | -     | -     | 13,0  | 13,3  | -     | 13,6  | 14,2  | 15,1  | -    | 13,7  | 14,5  | 15,8 | -   | - | 82  |  |
| 83   | 12,0  | -     | -     | 12,3  | 12,6  | -     | 12,9  | 13,4  | 14,4  | -    | 13,0  | 13,7  | 15,0 | -   | - | 83  |  |
| 84   | 11,4  | -     | -     | 11,7  | 11,9  | -     | 12,3  | 12,7  | -     | -    | 12,3  | 13,0  | 14,2 | -   | - | 84  |  |
| 86   | -     | -     | -     | 10,4  | 10,6  | -     | 11,0  | 11,4  | -     | -    | 11,0  | 11,6  | 12,7 | -   | - | 86  |  |
| 89   | -     | -     | -     | 8,5   | -     | -     | 9,1   | 9,5   | -     | -    | 9,1   | 9,7   | 10,7 | -   | - | 89  |  |
| 90   | -     | -     | -     | 8,0   | -     | -     | 8,5   | 8,9   | -     | -    | 8,5   | 9,1   | -    | -   | - | 90  |  |
| 92   | -     | -     | -     | -     | -     | -     | 7,4   | 7,7   | -     | -    | 7,3   | 7,9   | -    | -   | - | 92  |  |
| 94   | -     | -     | -     | -     | -     | -     | 6,3   | -     | -     | -    | 6,2   | 6,7   | -    | -   | - | 94  |  |
| 96   | -     | -     | -     | -     | -     | -     | 5,3   | -     | -     | -    | 5,2   | 5,6   | -    | -   | - | 96  |  |
| 97   | -     | -     | -     | -     | -     | -     | -     | -     | -     | -    | -     | 5,1   | -    | -   | - | 97  |  |

| 84 m |       |       |       |       |       |       |       |       |      |       |       |      |     |     |    |
|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|-----|-----|----|
| 15 m |       |       | 21 m  |       |       |       | 27 m  |       |      | 33 m  |       |      |     |     |    |
| 15°  | 20°   | 30°   | 15°   | 20°   | 30°   | 15°   | 20°   | 30°   | 15°  | 20°   | 30°   | 15°  | 20° | 30° |    |
| m    | t     | t     | t     | t     | t     | t     | t     | t     | t    | t     | t     | t    | t   | t   | m  |
| 15   | 240,0 | -     | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | -   | -   | 15 |
| 16   | 228,5 | 214,0 | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | -   | -   | 16 |
| 17   | 217,0 | 214,0 | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | -   | -   | 17 |
| 18   | 205,5 | 205,0 | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | -   | -   | 18 |
| 19   | 194,0 | 196,0 | 149,0 | 186,0 | -     | -     | -     | -     | -    | -     | -     | -    | -   | -   | 19 |
| 20   | 184,0 | 186,0 | 149,0 | 179,0 | 160,0 | -     | -     | -     | -    | -     | -     | -    | -   | -   | 20 |
| 21   | 174,0 | 176,0 | 149,0 | 172,0 | 160,0 | -     | -     | -     | -    | -     | -     | -    | -   | -   | 21 |
| 22   | 165,6 | 167,6 | 147,6 | 164,0 | 157,0 | 112,0 | 147,6 | 126,0 | -    | -     | -     | -    | -   | -   | 22 |
| 24   | 149,0 | 151,0 | 145,0 | 148,0 | 151,0 | 112,0 | 147,0 | 126,0 | -    | -     | -     | -    | -   | -   | 24 |
| 25   | 142,7 | 144,7 | 141,0 | 142,0 | 144,7 | 110,5 | 141,2 | 125,7 | 84,0 | 121,7 | 102,0 | -    | -   | -   | 25 |
| 26   | 136,5 | 138,5 | 137,0 | 136,0 | 138,5 | 109,0 | 135,5 | 125,5 | 84,0 | 121,5 | 102,0 | -    | -   | -   | 26 |
| 28   | 124,0 | 126,0 | 129,0 | 124,0 | 126,0 | 106,0 | 124,0 | 125,0 | 84,0 | 121,0 | 102,0 | -    | -   | -   | 28 |
| 29   | 119,2 | 121,0 | 124,0 | 119,2 | 121,2 | 104,7 | 119,2 | 120,5 | 82,7 | 116,7 | 100,8 | 65,0 | -   | -   | 29 |
| 30   | 114,5 | 116,0 | 119,0 | 114,5 | 116,5 | 103,5 | 114,5 | 116,0 | 81,5 | 112,5 | 99,7  | 64,6 | -   | -   | 30 |
| 34   | 97,2  | 98,5  | 101,0 | 97,2  | 99,2  | 97,7  | 97,5  | 99,5  | 77,0 | 96,7  | 94,0  | 62,0 | -   | -   | 34 |
| 38   | 83,2  | 84,5  | 86,5  | 83,2  | 85,0  | 88,0  | 83,7  | 85,7  | 73,0 | 83,5  | 85,0  | 58,5 | -   | -   | 38 |
| 42   | 71,3  | 72,3  | 74,1  | 71,6  | 73,1  | 75,8  | 72,5  | 74,3  | 69,5 | 72,5  | 74,5  | 55,6 | -   | -   | 42 |
| 46   | 60,0  | 61,0  | 62,5  | 61,0  | 62,5  | 64,5  | 62,5  | 64,0  | 66,5 | 62,5  | 64,5  | 53,0 | -   | -   | 46 |
| 50   | 51,0  | 51,9  | 53,3  | 52,0  | 53,3  | 55,1  | 53,4  | 54,6  | 57,5 | 53,8  | 55,5  | 50,6 | -   | -   | 50 |
| 54   | 43,1  | 43,8  | 45,1  | 44,0  | 45,1  | 46,8  | 45,2  | 46,4  | 49,1 | 45,8  | 47,3  | 47,2 | -   | -   | 54 |
| 58   | 36,1  | 36,7  | 37,9  | 36,9  | 37,9  | 39,5  | 38,0  | 39,2  | 41,5 | 38,5  | 40,0  | 42,9 | -   | -   | 58 |
| 62   | 30,5  | 31,0  | 32,0  | 31,2  | 32,0  | 33,4  | 32,2  | 33,2  | 35,4 | 32,5  | 33,9  | 36,6 | -   | -   | 62 |
| 66   | 25,4  | 25,9  | 26,8  | 26,1  | 26,8  | 28,2  | 27,0  | 28,0  | 29,9 | 27,4  | 28,7  | 30,8 | -   | -   | 66 |
| 70   | 21,1  | 21,5  | 22,2  | 21,6  | 22,3  | 23,4  | 22,5  | 23,4  | 24,9 | 22,8  | 23,9  | 25,9 | -   | -   | 70 |
| 74   | 17,3  | 17,7  | 18,4  | 17,8  | 18,4  | 19,4  | 18,6  | 19,4  | 20,8 | 18,8  | 19,9  | 21,6 | -   | -   | 74 |
| 76   | 15,5  | 15,9  | 16,5  | 16,0  | 16,5  | 17,5  | 16,7  | 17,5  | 18,8 | 16,9  | 17,9  | 19,6 | -   | -   | 76 |
| 78   | 13,9  | 14,2  | -     | 14,3  | 14,8  | 15,7  | 15,1  | 15,8  | 17,1 | 15,2  | 16,2  | 17,8 | -   | -   | 78 |
| 82   | 11,0  | 11,3  | -     | 11,3  | 11,7  | 12,5  | 12,0  | 12,6  | 13,7 | 12,1  | 12,9  | 14,4 | -   | -   | 82 |
| 86   | 8,4   | 8,6   | -     | 8,7   | 9,0   | -     | 9,2   | 9,8   | 10,7 | 9,3   | 10,1  | 11,3 | -   | -   | 86 |
| 88   | 7,2   | -     | -     | 7,4   | 7,7   | -     | 7,9   | 8,5   | 9,3  | 8,0   | 8,7   | 9,9  | -   | -   | 88 |
| 89   | 6,6   | -     | -     | 6,8   | 7,1   | -     | 7,3   | 7,9   | -    | 7,4   | 8,1   | 9,2  | -   | -   | 89 |
| 90   | -     | -     | -     | 6,2   | 6,5   | -     | 6,7   | 7,3   | -    | 6,8   | 7,5   | 8,5  | -   | -   | 90 |
| 91   | -     | -     | -     | 5,6   | 6,0   | -     | 6,2   | 6,7   | -    | 6,2   | 6,9   | 7,9  | -   | -   | 91 |
| 92   | -     | -     | -     | 5,1   | -     | -     | 5,6   | 6,1   | -    | 5,6   | 6,3   | 7,2  | -   | -   | 92 |
| 93   | -     | -     | -     | -     | -     | -     | 5,1   | 5,5   | -    | 5,0   | 5,7   | 6,6  | -   | -   | 93 |
| 94   | -     | -     | -     | -     | -     | -     | -     | -     | -    | -     | 5,1   | -    | -   | -   | 94 |

130 t
 170 t
 210 t
 250 t

| 15-33 m      9,60 m      9.8 m/s      360°      ISO                              |       |       |       |       |       |       |       |       |      |       |       |      |    |
|--|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|----|
| 90 m   |       |       |       |       |       |       |       |       |      |       |       |      |    |
| 15 m      21 m      27 m      33 m   |       |       |       |       |       |       |       |       |      |       |       |      |    |
| 15°    20°    30°    15°    20°    30°    15°    20°    30°    15°    20°    30° |       |       |       |       |       |       |       |       |      |       |       |      |    |
| m  | t     | t     | t     | t     | t     | t     | t     | t     | t    | t     | t     | t    | m  |
| 16   | 218,0 | -     | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | 16 |
| 17   | 210,0 | 206,0 | -     | -     | -     | -     | -     | -     | -    | -     | -     | -    | 17 |
| 18   | 198,5 | 198,0 | -     | 178,0 | -     | -     | -     | -     | -    | -     | -     | -    | 18 |
| 19   | 187,0 | 190,0 | 150,0 | 178,0 | 165,0 | -     | -     | -     | -    | -     | -     | -    | 19 |
| 20   | 177,5 | 180,0 | 150,0 | 172,5 | 165,0 | -     | 146,0 | -     | -    | -     | -     | -    | 20 |
| 22   | 160,0 | 162,0 | 149,3 | 159,3 | 159,0 | -     | 144,5 | 133,0 | -    | 118,0 | -     | -    | 22 |
| 23   | 152,0 | 154,0 | 148,6 | 151,6 | 153,0 | 116,0 | 143,7 | 133,0 | -    | 118,0 | -     | -    | 23 |
| 24   | 144,0 | 146,0 | 148,0 | 144,0 | 147,0 | 115,0 | 143,0 | 133,0 | -    | 118,0 | 108,0 | -    | 24 |
| 26   | 132,0 | 134,0 | 136,5 | 132,0 | 134,5 | 112,0 | 131,5 | 128,0 | 85,5 | 118,0 | 107,0 | -    | 26 |
| 28   | 120,0 | 122,0 | 125,0 | 120,0 | 122,0 | 109,0 | 120,0 | 123,0 | 84,5 | 118,0 | 106,0 | -    | 28 |
| 29   | 115,2 | 117,2 | 120,0 | 115,2 | 117,2 | 107,5 | 115,2 | 118,2 | 83,2 | 113,7 | 104,1 | 67,0 | 29 |
| 30   | 110,5 | 112,5 | 115,0 | 110,5 | 112,5 | 106,0 | 110,5 | 113,5 | 82,0 | 109,5 | 102,2 | 66,0 | 30 |
| 34   | 93,7  | 95,2  | 97,5  | 93,7  | 95,5  | 97,2  | 94,0  | 96,5  | 77,5 | 93,7  | 93,7  | 62,2 | 34 |
| 38   | 80,2  | 81,2  | 83,5  | 80,2  | 81,7  | 85,0  | 80,7  | 82,7  | 73,7 | 80,5  | 83,0  | 59,0 | 38 |
| 42   | 68,8  | 69,8  | 71,6  | 69,1  | 70,5  | 73,3  | 69,6  | 71,5  | 69,6 | 69,6  | 72,0  | 56,1 | 42 |
| 46   | 58,5  | 59,5  | 61,0  | 59,5  | 60,5  | 63,0  | 60,0  | 61,5  | 65,0 | 60,0  | 62,0  | 53,5 | 46 |
| 50   | 49,4  | 50,3  | 51,8  | 50,4  | 51,5  | 53,8  | 51,4  | 52,9  | 56,0 | 51,9  | 53,8  | 51,1 | 50 |
| 54   | 41,3  | 42,0  | 43,5  | 42,2  | 43,4  | 45,4  | 43,5  | 45,0  | 47,6 | 44,2  | 45,9  | 47,1 | 54 |
| 58   | 34,3  | 35,0  | 36,2  | 35,2  | 36,2  | 38,0  | 36,3  | 37,6  | 40,0 | 36,8  | 38,4  | 41,4 | 58 |
| 62   | 28,7  | 29,3  | 30,4  | 29,4  | 30,4  | 31,9  | 30,5  | 31,6  | 33,6 | 30,9  | 32,2  | 35,0 | 62 |
| 66   | 23,6  | 24,1  | 25,0  | 24,2  | 25,0  | 26,5  | 25,2  | 26,2  | 28,2 | 25,5  | 26,9  | 29,4 | 66 |
| 70   | 19,2  | 19,7  | 20,5  | 19,8  | 20,5  | 21,7  | 20,7  | 21,6  | 23,3 | 21,0  | 22,2  | 24,4 | 70 |
| 74   | 15,4  | 15,9  | 16,6  | 16,0  | 16,6  | 17,7  | 16,8  | 17,6  | 19,2 | 17,0  | 18,1  | 20,0 | 74 |
| 78   | 12,0  | 12,4  | 13,0  | 12,5  | 13,0  | 14,0  | 13,2  | 14,0  | 15,4 | 13,4  | 14,3  | 16,2 | 78 |
| 80   | 10,5  | 10,8  | 11,4  | 10,9  | 11,4  | 12,3  | 11,6  | 12,4  | 13,6 | 11,8  | 12,7  | 14,4 | 80 |
| 82   | 9,0   | 9,3   | -     | 9,4   | 9,9   | 10,7  | 10,1  | 10,8  | 12,0 | 10,2  | 11,1  | 12,7 | 82 |
| 86   | 6,4   | 6,7   | -     | 6,7   | 7,1   | 7,8   | 7,3   | 8,0   | 9,0  | 7,4   | 8,2   | 9,7  | 86 |
| 88   | 5,2   | 5,4   | -     | 5,4   | 5,8   | -     | 6,0   | 6,6   | 7,6  | 6,1   | 6,8   | 8,2  | 88 |
| 89   | -     | -     | -     | -     | 5,2   | -     | 5,4   | 6,0   | 6,9  | 5,4   | 6,2   | 7,5  | 89 |
| 90   | -     | -     | -     | -     | -     | -     | -     | 5,4   | 6,3  | -     | 5,6   | 6,9  | 90 |
| 92   | -     | -     | -     | -     | -     | -     | -     | -     | 5,0  | -     | -     | 5,6  | 92 |

130 t   
 170 t   
 210 t   
 250 t

# Notes

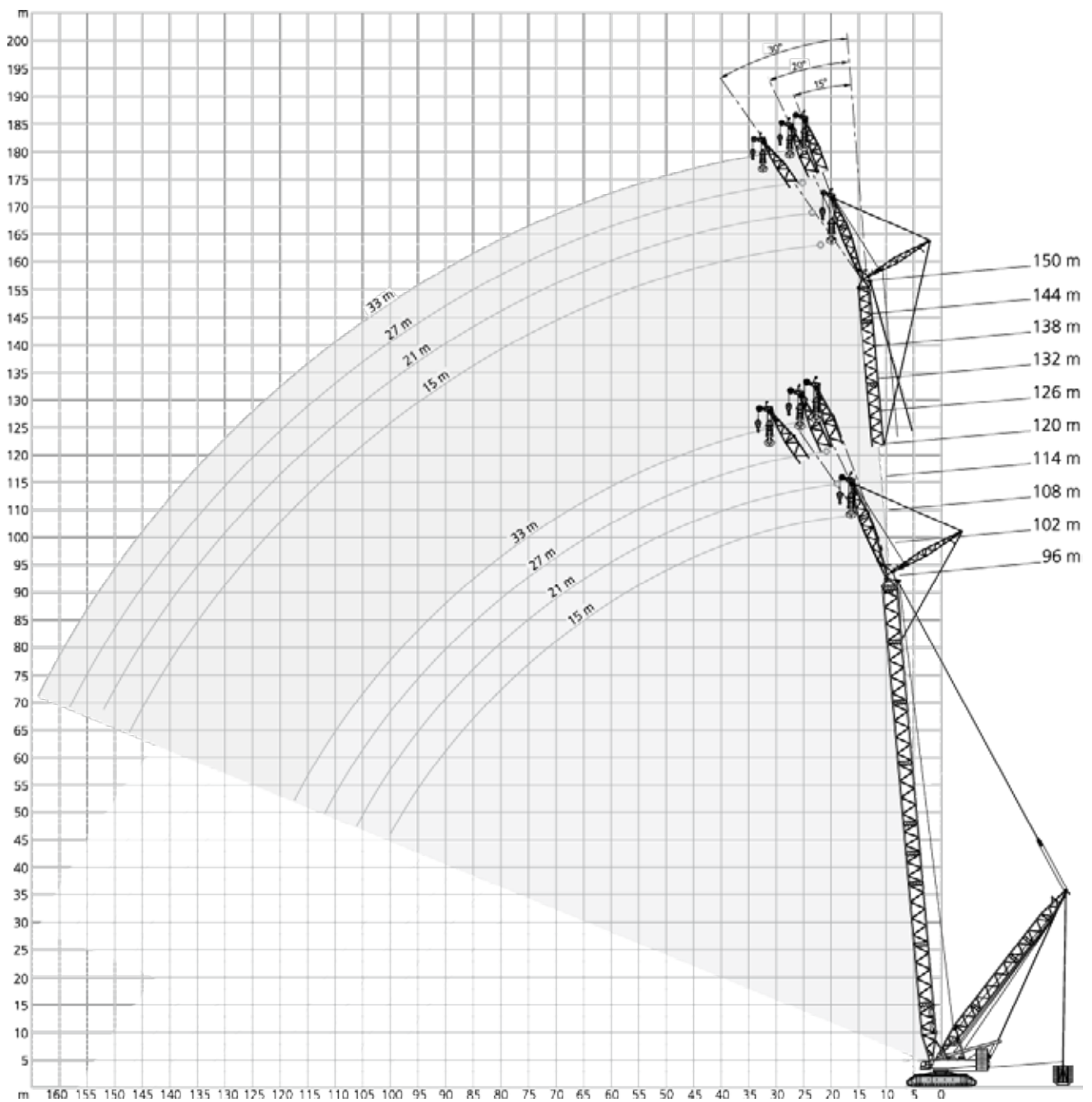
CC 6800-1

Notizen · Notes · Nota · Notas · Notas ·  
пометы, комментарии, примечания

A large rectangular area with horizontal lines, intended for taking notes.

# SSL+LF, SSL/LSL+LF, SSL/LSL S1+LF

CC 6800-1





| 66 m |       |       |         |       |       |       |       |       |         |       |       |      |       |       |         |      |    |
|------|-------|-------|---------|-------|-------|-------|-------|-------|---------|-------|-------|------|-------|-------|---------|------|----|
| 15 m |       |       | 21 m    |       |       | 27 m  |       |       | 33 m    |       |       |      |       |       |         |      |    |
| 0 t  |       |       | 0-450 t |       |       | 0 t   |       |       | 0-450 t |       |       | 0 t  |       |       | 0-450 t |      |    |
| 15°  |       |       | 20°     |       |       | 30°   |       |       | 15°     |       |       | 20°  |       |       | 30°     |      |    |
| m    | t     | t     | t       | t     | t     | t     | t     | t     | t       | t     | t     | t    | t     | t     | t       | t    | m  |
| 14   | 250,0 | 250,0 | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | -     | -       | -    | 14 |
| 15   | 250,0 | 250,0 | 250,0   | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | -     | -       | -    | 15 |
| 16   | 250,0 | 250,0 | 250,0   | -     | 236,0 | 239,0 | -     | -     | -       | -     | -     | -    | -     | -     | -       | -    | 16 |
| 17   | 250,0 | 250,0 | 250,0   | 160,0 | 236,0 | 239,0 | -     | -     | -       | -     | -     | -    | -     | -     | -       | -    | 17 |
| 18   | 250,0 | 250,0 | 247,0   | 160,0 | 230,0 | 233,0 | 187,0 | -     | 179,0   | 186,0 | -     | -    | -     | -     | -       | -    | 18 |
| 20   | 232,0 | 250,0 | 238,0   | 156,0 | 217,0 | 220,0 | 179,0 | -     | 179,0   | 181,0 | 142,0 | -    | 143,0 | 148,0 | -       | -    | 20 |
| 21   | 220,5 | 250,0 | 232,5   | 154,0 | 211,5 | 214,5 | 175,0 | 113,0 | 174,0   | 176,0 | 140,5 | -    | 143,0 | 146,0 | -       | -    | 21 |
| 22   | 209,0 | 250,0 | 227,0   | 152,0 | 206,0 | 209,0 | 171,0 | 113,0 | 169,0   | 171,0 | 139,0 | -    | 143,0 | 144,0 | -       | -    | 22 |
| 23   | 199,0 | 250,0 | 222,5   | 150,0 | 197,0 | 204,0 | 167,5 | 111,0 | 165,0   | 167,0 | 136,0 | -    | 139,5 | 140,5 | 111,0   | -    | 23 |
| 24   | 189,0 | 250,0 | 218,0   | 148,0 | 188,0 | 199,0 | 164,0 | 109,0 | 161,0   | 163,0 | 133,0 | 86,0 | 136,0 | 137,0 | 111,0   | -    | 24 |
| 26   | 170,0 | 249,0 | 210,0   | 144,0 | 171,0 | 189,0 | 157,0 | 106,0 | 154,0   | 155,0 | 127,0 | 84,5 | 129,0 | 130,0 | 106,0   | -    | 26 |
| 28   | 152,0 | 246,0 | 202,0   | 140,0 | 155,0 | 181,0 | 151,0 | 103,0 | 147,0   | 148,0 | 122,0 | 82,0 | 123,0 | 124,0 | 102,0   | 66,5 | 28 |
| 30   | 142,0 | 236,0 | 195,0   | 137,0 | 139,0 | 174,0 | 146,0 | 100,0 | 140,0   | 142,0 | 117,0 | 79,5 | 118,0 | 119,0 | 98,0    | 65,5 | 30 |
| 34   | 116,0 | 217,0 | 182,0   | 130,0 | 118,0 | 160,0 | 136,0 | 95,0  | 117,0   | 130,0 | 108,0 | 75,5 | 108,0 | 109,0 | 90,0    | 61,5 | 34 |
| 38   | 96,5  | 201,0 | 171,0   | 124,0 | 99,0  | 149,0 | 127,0 | 90,0  | 101,0   | 120,0 | 100,0 | 71,0 | 100,0 | 100,0 | 83,5    | 57,5 | 38 |
| 42   | 81,0  | 188,0 | 161,5   | 118,5 | 83,2  | 138,5 | 119,0 | 86,2  | 85,5    | 111,0 | 94,0  | 67,2 | 86,7  | 92,5  | 77,7    | 54,5 | 42 |
| 46   | 68,2  | 177,0 | 153,0   | 114,0 | 70,2  | 130,0 | 112,0 | 82,7  | 72,5    | 103,5 | 88,2  | 64,0 | 73,5  | 86,0  | 72,7    | 51,5 | 46 |
| 50   | 57,7  | 167,5 | 146,0   | 110,5 | 59,5  | 122,0 | 106,0 | 79,5  | 61,5    | 96,7  | 83,2  | 61,2 | 62,5  | 80,2  | 68,2    | 48,9 | 50 |
| 54   | 48,9  | 158,5 | 139,5   | 107,5 | 50,4  | 115,0 | 100,5 | 76,5  | 52,4    | 91,0  | 78,7  | 58,7 | 53,4  | 75,0  | 64,2    | 46,8 | 54 |
| 58   | 41,2  | 150,5 | 133,5   | 104,5 | 42,8  | 109,0 | 95,7  | 73,7  | 44,7    | 86,0  | 74,7  | 56,5 | 45,6  | 70,5  | 61,0    | 44,8 | 58 |
| 62   | 34,6  | 143,5 | 128,5   | 102,3 | 36,2  | 103,5 | 91,7  | 71,5  | 37,9    | 81,5  | 71,5  | 54,5 | 38,8  | 66,7  | 58,0    | 43,1 | 62 |
| 63   | 33,1  | 141,7 | 127,2   | 102,0 | 34,6  | 102,2 | 90,8  | 71,0  | 36,3    | 80,5  | 70,7  | 54,0 | 37,2  | 65,8  | 57,2    | 42,7 | 63 |
| 66   | 28,9  | 137,5 | 124,0   | -     | 30,4  | 98,7  | 88,2  | 69,7  | 32,0    | 77,5  | 68,5  | 52,7 | 32,9  | 63,2  | 55,2    | 41,5 | 66 |
| 69   | 25,1  | 133,7 | 121,0   | -     | 26,5  | 95,6  | 85,8  | 68,5  | 28,1    | 74,7  | 66,3  | 51,6 | 28,8  | 60,8  | 53,5    | 40,5 | 69 |
| 70   | 23,9  | 132,5 | 120,0   | -     | 25,3  | 94,7  | 85,2  | -     | 26,9    | 74,0  | 65,7  | 51,2 | 27,6  | 60,2  | 53,0    | 40,2 | 70 |
| 71   | 22,7  | 131,2 | 119,0   | -     | 24,1  | 93,8  | 84,6  | -     | 25,7    | 73,2  | 65,1  | 50,8 | 26,4  | 59,6  | 52,5    | 39,9 | 71 |
| 74   | 19,5  | 128,0 | -       | -     | 20,8  | 91,2  | 82,7  | -     | 22,3    | 71,0  | 63,5  | 50,1 | 23,0  | 57,7  | 51,0    | 39,1 | 74 |
| 75   | -     | -     | -       | -     | 19,7  | 90,3  | 82,1  | -     | 21,2    | 70,2  | 63,0  | 50,0 | 21,9  | 57,1  | 50,5    | 38,8 | 75 |
| 77   | -     | -     | -       | -     | 17,7  | 88,8  | 81,0  | -     | 19,2    | 68,8  | 62,0  | -    | 19,9  | 55,8  | 49,6    | 38,4 | 77 |
| 78   | -     | -     | -       | -     | 16,8  | 88,2  | -     | -     | 18,3    | 68,2  | 61,5  | -    | 19,0  | 55,2  | 49,2    | 38,2 | 78 |
| 80   | -     | -     | -       | -     | 15,0  | 87,0  | -     | -     | 16,4    | 67,0  | 60,5  | -    | 17,1  | 54,0  | 48,4    | 37,8 | 80 |
| 81   | -     | -     | -       | -     | -     | -     | -     | -     | 15,5    | 66,5  | 60,1  | -    | 16,2  | 53,5  | 48,0    | 37,6 | 81 |
| 82   | -     | -     | -       | -     | -     | -     | -     | -     | 14,7    | 66,0  | 59,8  | -    | 15,3  | 53,0  | 47,7    | -    | 82 |
| 83   | -     | -     | -       | -     | -     | -     | -     | -     | 13,8    | 65,5  | 59,5  | -    | 14,4  | 52,5  | 47,3    | -    | 83 |
| 86   | -     | -     | -       | -     | -     | -     | -     | -     | 11,4    | 64,5  | -     | -    | 12,0  | 51,2  | 46,4    | -    | 86 |
| 88   | -     | -     | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | 10,5  | 50,5  | 45,9    | -    | 88 |
| 90   | -     | -     | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | 9,1   | 50,1  | -       | -    | 90 |
| 91   | -     | -     | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | 8,4   | 49,9  | -       | -    | 91 |



| 72 m |       |         |       |       |       |       |         |       |       |       |       |         |       |       |       |      |         |  |  |
|------|-------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|-------|------|---------|--|--|
| 15 m |       |         | 21 m  |       |       |       |         |       | 27 m  |       |       | 33 m    |       |       |       |      |         |  |  |
| 0 t  |       | 0-450 t |       |       | 0 t   |       | 0-450 t |       |       | 0 t   |       | 0-450 t |       |       | 0 t   |      | 0-450 t |  |  |
| 15°  |       | 20°     |       | 30°   |       | 15°   |         | 20°   |       | 30°   |       | 15°     |       | 20°   |       | 30°  |         |  |  |
| m    | t     | t       | t     | t     | t     | t     | t       | t     | t     | t     | t     | t       | t     | t     | t     | t    | m       |  |  |
| 14   | 250,0 | 250,0   | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -    | 14      |  |  |
| 16   | 250,0 | 250,0   | 250,0 | -     | 232,0 | 243,0 | -       | -     | -     | -     | -     | -       | -     | -     | -     | -    | 16      |  |  |
| 18   | 250,0 | 250,0   | 249,0 | 158,0 | 232,0 | 236,0 | 185,0   | -     | 181,0 | 183,0 | -     | -       | -     | -     | -     | -    | 18      |  |  |
| 20   | 224,0 | 250,0   | 242,0 | 156,0 | 220,0 | 223,0 | 181,0   | -     | 181,0 | 183,0 | -     | -       | 144,0 | 146,0 | -     | -    | 20      |  |  |
| 21   | 212,5 | 250,0   | 237,0 | 154,5 | 210,0 | 218,0 | 177,0   | 113,0 | 176,5 | 178,5 | 140,0 | -       | 144,0 | 146,0 | -     | -    | 21      |  |  |
| 22   | 201,0 | 250,0   | 232,0 | 153,0 | 200,0 | 213,0 | 173,0   | 113,0 | 172,0 | 174,0 | 140,0 | -       | 144,0 | 146,0 | -     | -    | 22      |  |  |
| 23   | 191,5 | 250,0   | 227,5 | 151,0 | 190,5 | 208,0 | 169,5   | 111,5 | 168,0 | 170,0 | 137,0 | -       | 140,5 | 142,5 | 110,0 | -    | 23      |  |  |
| 24   | 182,0 | 250,0   | 223,0 | 149,0 | 181,0 | 203,0 | 166,0   | 110,0 | 164,0 | 166,0 | 134,0 | -       | 137,0 | 139,0 | 110,0 | -    | 24      |  |  |
| 25   | 173,5 | 249,5   | 218,5 | 147,5 | 173,0 | 198,5 | 163,0   | 108,5 | 160,0 | 162,0 | 131,5 | 85,5    | 134,0 | 135,5 | 108,5 | -    | 25      |  |  |
| 26   | 165,0 | 249,0   | 214,0 | 146,0 | 165,0 | 194,0 | 160,0   | 107,0 | 156,0 | 158,0 | 129,0 | 85,5    | 131,0 | 132,0 | 107,0 | -    | 26      |  |  |
| 28   | 148,0 | 248,0   | 207,0 | 142,0 | 151,0 | 186,0 | 154,0   | 104,0 | 150,0 | 151,0 | 124,0 | 83,0    | 125,0 | 127,0 | 103,0 | 66,0 | 28      |  |  |
| 30   | 138,0 | 243,0   | 200,0 | 139,0 | 136,0 | 178,0 | 149,0   | 101,0 | 139,0 | 145,0 | 120,0 | 80,5    | 120,0 | 121,0 | 99,5  | 66,0 | 30      |  |  |
| 34   | 113,0 | 225,0   | 187,0 | 132,0 | 115,0 | 165,0 | 139,0   | 96,5  | 113,0 | 134,0 | 111,0 | 76,5    | 111,0 | 112,0 | 92,0  | 62,0 | 34      |  |  |
| 38   | 93,0  | 209,0   | 176,0 | 126,0 | 95,5  | 154,0 | 131,0   | 92,0  | 98,0  | 124,0 | 103,0 | 72,5    | 95,5  | 103,0 | 85,5  | 58,5 | 38      |  |  |
| 42   | 77,5  | 195,5   | 166,5 | 121,5 | 79,7  | 143,5 | 122,5   | 87,7  | 82,2  | 115,0 | 96,7  | 68,7    | 83,7  | 95,5  | 79,7  | 55,0 | 42      |  |  |
| 46   | 64,7  | 183,5   | 158,0 | 117,0 | 66,7  | 134,5 | 115,5   | 84,2  | 69,0  | 107,0 | 91,0  | 65,5    | 70,5  | 88,7  | 74,7  | 52,2 | 46      |  |  |
| 50   | 54,2  | 174,0   | 150,5 | 113,0 | 56,0  | 126,5 | 109,0   | 81,0  | 58,0  | 100,2 | 86,0  | 62,5    | 59,5  | 82,7  | 70,2  | 49,9 | 50      |  |  |
| 54   | 45,2  | 165,5   | 144,0 | 109,5 | 46,9  | 119,5 | 103,5   | 78,2  | 48,9  | 94,7  | 81,5  | 59,7    | 50,2  | 77,7  | 66,2  | 47,7 | 54      |  |  |
| 58   | 37,6  | 157,0   | 138,5 | 106,5 | 39,3  | 113,0 | 99,0    | 75,5  | 41,2  | 89,5  | 77,5  | 57,5    | 42,3  | 73,2  | 62,7  | 45,6 | 58      |  |  |
| 62   | 31,0  | 149,5   | 133,5 | 104,0 | 32,6  | 107,5 | 95,0    | 73,0  | 34,4  | 84,7  | 73,7  | 55,5    | 35,5  | 69,2  | 59,7  | 43,9 | 62      |  |  |
| 66   | 25,2  | 143,0   | 128,5 | 102,0 | 26,8  | 103,0 | 91,2    | 71,0  | 28,5  | 80,5  | 70,5  | 53,7    | 29,5  | 65,7  | 57,0  | 42,3 | 66      |  |  |
| 68   | 22,6  | 140,0   | 126,0 | 101,0 | 24,1  | 101,0 | 89,5    | 70,0  | 25,8  | 78,5  | 69,0  | 53,0    | 26,7  | 64,0  | 55,5  | 41,6 | 68      |  |  |
| 70   | 20,2  | 137,5   | 124,0 | -     | 21,7  | 98,7  | 88,0    | 69,2  | 23,3  | 77,0  | 67,7  | 52,2    | 24,2  | 62,5  | 54,5  | 40,9 | 70      |  |  |
| 74   | 15,8  | 132,5   | 120,5 | -     | 17,1  | 94,7  | 85,2    | 68,0  | 18,7  | 74,0  | 65,5  | 51,0    | 19,6  | 59,7  | 52,5  | 39,7 | 74      |  |  |
| 76   | 13,7  | 130,0   | 119,0 | -     | 15,0  | 93,0  | 84,0    | -     | 16,6  | 72,5  | 64,5  | 50,5    | 17,4  | 58,5  | 51,5  | 39,2 | 76      |  |  |
| 78   | 11,8  | 124,0   | -     | -     | 13,1  | 91,5  | 82,7    | -     | 14,7  | 71,0  | 63,5  | 50,0    | 15,4  | 57,2  | 50,6  | 38,7 | 78      |  |  |
| 79   | 10,9  | 121,0   | -     | -     | 12,2  | 90,7  | 82,1    | -     | 13,7  | 70,2  | 63,0  | 49,8    | 14,4  | 56,6  | 50,2  | 38,5 | 79      |  |  |
| 82   | -     | -       | -     | -     | 9,6   | 88,7  | 81,0    | -     | 11,0  | 68,5  | 61,5  | -       | 11,8  | 55,0  | 49,0  | 37,9 | 82      |  |  |
| 85   | -     | -       | -     | -     | 7,1   | 87,0  | -       | -     | 8,5   | 67,0  | 60,1  | -       | 9,3   | 53,6  | 47,8  | 37,4 | 85      |  |  |
| 86   | -     | -       | -     | -     | -     | -     | -       | -     | 7,8   | 66,5  | 59,8  | -       | 8,5   | 53,2  | 47,5  | -    | 86      |  |  |
| 87   | -     | -       | -     | -     | -     | -     | -       | -     | 7,0   | 66,0  | 59,5  | -       | 7,7   | 52,8  | 47,2  | -    | 87      |  |  |
| 89   | -     | -       | -     | -     | -     | -     | -       | -     | 5,6   | 65,1  | -     | -       | 6,2   | 52,0  | 46,6  | -    | 89      |  |  |
| 90   | -     | -       | -     | -     | -     | -     | -       | -     | -     | 64,8  | -     | -       | 5,5   | 51,5  | 46,4  | -    | 90      |  |  |
| 91   | -     | -       | -     | -     | -     | -     | -       | -     | -     | 64,5  | -     | -       | -     | 51,0  | 46,1  | -    | 91      |  |  |
| 93   | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | 50,3  | 45,7  | -    | 93      |  |  |
| 94   | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | 50,1  | -     | -    | 94      |  |  |
| 97   | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | 49,5  | -     | -    | 97      |  |  |

|  |    |     |      |      |      |      |      |
|--|----|-----|------|------|------|------|------|
|  | 0t | 80t | 160t | 240t | 320t | 400t | 450t |
|--|----|-----|------|------|------|------|------|

| 78 m |       |       |         |       |       |       |       |       |         |       |       |      |       |       |         |      |     |    |
|------|-------|-------|---------|-------|-------|-------|-------|-------|---------|-------|-------|------|-------|-------|---------|------|-----|----|
| 15 m |       |       | 21 m    |       |       |       |       |       | 27 m    |       |       | 33 m |       |       |         |      |     |    |
| 0 t  |       |       | 0-450 t |       |       | 0 t   |       |       | 0-450 t |       |       | 0 t  |       |       | 0-450 t |      |     |    |
| 15°  |       |       | 20°     |       | 30°   |       | 15°   |       | 20°     |       | 30°   |      | 15°   |       | 20°     |      | 30° |    |
| m    | t     | t     | t       | t     | t     | t     | t     | t     | t       | t     | t     | t    | t     | t     | t       | t    | t   | m  |
| 15   | 250,0 | 250,0 | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | -     | -       | -    | -   | 15 |
| 16   | 250,0 | 250,0 | 250,0   | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | -     | -       | -    | -   | 16 |
| 17   | 250,0 | 250,0 | 250,0   | -     | 229,0 | 238,0 | -     | -     | -       | -     | -     | -    | -     | -     | -       | -    | -   | 17 |
| 18   | 242,0 | 250,0 | 250,0   | 158,0 | 229,0 | 238,0 | -     | -     | -       | -     | -     | -    | -     | -     | -       | -    | -   | 18 |
| 19   | 228,0 | 250,0 | 248,0   | 158,0 | 226,0 | 232,0 | 182,0 | -     | 178,0   | 185,0 | -     | -    | -     | -     | -       | -    | -   | 19 |
| 20   | 216,0 | 250,0 | 244,0   | 157,0 | 214,0 | 226,0 | 182,0 | -     | 178,0   | 185,0 | -     | -    | -     | -     | -       | -    | -   | 20 |
| 21   | 205,0 | 250,0 | 239,5   | 155,0 | 203,5 | 221,5 | 178,5 | -     | 176,0   | 180,5 | 141,0 | -    | 142,0 | 147,0 | -       | -    | -   | 21 |
| 22   | 194,0 | 250,0 | 235,0   | 153,0 | 193,0 | 217,0 | 175,0 | 112,0 | 174,0   | 176,0 | 141,0 | -    | 142,0 | 147,0 | -       | -    | -   | 22 |
| 24   | 175,0 | 250,0 | 226,0   | 150,0 | 175,0 | 207,0 | 169,0 | 111,0 | 166,0   | 168,0 | 136,0 | -    | 139,0 | 140,0 | 110,0   | -    | -   | 24 |
| 25   | 167,0 | 250,0 | 222,0   | 148,5 | 167,0 | 202,5 | 165,5 | 109,5 | 162,5   | 164,5 | 133,0 | 84,5 | 136,0 | 137,0 | 109,0   | -    | -   | 25 |
| 26   | 159,0 | 250,0 | 218,0   | 147,0 | 159,0 | 198,0 | 162,0 | 108,0 | 159,0   | 161,0 | 130,0 | 84,5 | 133,0 | 134,0 | 108,0   | -    | -   | 26 |
| 28   | 145,0 | 248,0 | 211,0   | 144,0 | 145,0 | 189,0 | 157,0 | 105,0 | 146,0   | 154,0 | 126,0 | 83,5 | 127,0 | 128,0 | 104,0   | -    | -   | 28 |
| 29   | 137,5 | 247,0 | 207,5   | 142,5 | 139,0 | 185,5 | 154,0 | 103,5 | 140,0   | 151,0 | 123,5 | 82,2 | 124,5 | 125,5 | 102,5   | 66,0 | 29  |    |
| 30   | 130,0 | 246,0 | 204,0   | 141,0 | 133,0 | 182,0 | 151,0 | 102,0 | 134,0   | 148,0 | 121,0 | 81,0 | 122,0 | 123,0 | 101,0   | 66,0 | 30  |    |
| 34   | 110,0 | 231,0 | 192,0   | 134,0 | 108,0 | 169,0 | 142,0 | 97,5  | 111,0   | 137,0 | 113,0 | 77,0 | 113,0 | 114,0 | 93,5    | 62,5 | 34  |    |
| 38   | 90,0  | 215,0 | 181,0   | 129,0 | 92,5  | 158,0 | 134,0 | 93,0  | 95,5    | 127,0 | 106,0 | 73,5 | 93,0  | 106,0 | 87,0    | 59,0 | 38  |    |
| 42   | 74,7  | 200,5 | 171,0   | 123,5 | 77,0  | 148,0 | 126,0 | 89,2  | 79,7    | 118,5 | 99,0  | 69,7 | 79,5  | 98,2  | 81,5    | 56,0 | 42  |    |
| 46   | 61,7  | 189,0 | 162,0   | 119,0 | 64,0  | 139,0 | 119,0 | 85,7  | 66,5    | 110,5 | 93,2  | 66,5 | 67,7  | 91,5  | 76,5    | 53,0 | 46  |    |
| 50   | 51,2  | 179,0 | 154,5   | 115,0 | 53,1  | 131,5 | 113,0 | 82,5  | 55,5    | 104,0 | 88,2  | 63,5 | 56,5  | 85,7  | 72,0    | 50,5 | 50  |    |
| 54   | 42,2  | 171,0 | 148,0   | 111,5 | 44,1  | 124,5 | 107,5 | 79,7  | 46,2    | 98,0  | 83,7  | 60,7 | 47,3  | 80,5  | 68,0    | 48,4 | 54  |    |
| 58   | 34,5  | 164,0 | 142,5   | 108,5 | 36,3  | 118,0 | 102,5 | 77,2  | 38,3    | 92,5  | 79,7  | 58,5 | 39,5  | 75,7  | 64,5    | 46,4 | 58  |    |
| 62   | 27,9  | 156,5 | 137,5   | 106,0 | 29,6  | 112,0 | 98,0  | 74,7  | 31,5    | 87,7  | 76,2  | 56,5 | 32,6  | 71,7  | 61,5    | 44,6 | 62  |    |
| 66   | 22,1  | 149,5 | 132,5   | 103,5 | 23,7  | 107,0 | 94,2  | 72,5  | 25,5    | 83,5  | 73,0  | 54,7 | 26,6  | 68,2  | 58,7    | 43,0 | 66  |    |
| 70   | 17,1  | 143,5 | 128,0   | 101,5 | 18,6  | 102,5 | 90,7  | 70,7  | 20,3    | 79,7  | 70,0  | 53,2 | 21,3  | 65,0  | 56,2    | 41,6 | 70  |    |
| 72   | 14,7  | 141,0 | 126,0   | 101,0 | 16,2  | 100,0 | 89,0  | 70,0  | 17,9    | 78,0  | 68,5  | 52,5 | 18,8  | 63,5  | 55,0    | 41,0 | 72  |    |
| 74   | 12,6  | 137,5 | 124,0   | -     | 14,0  | 98,2  | 87,7  | 69,2  | 15,7    | 76,5  | 67,2  | 51,7 | 16,6  | 62,0  | 54,0    | 40,4 | 74  |    |
| 78   | 8,7   | 126,5 | 120,5   | -     | 10,0  | 95,0  | 85,2  | 68,0  | 11,6    | 73,5  | 65,0  | 50,5 | 12,4  | 59,2  | 52,0    | 39,3 | 78  |    |
| 81   | 5,9   | 116,0 | 116,0   | -     | 7,2   | 92,7  | 83,5  | -     | 8,8     | 71,5  | 63,6  | 49,8 | 9,6   | 57,5  | 50,6    | 38,5 | 81  |    |
| 82   | 5,1   | 114,0 | -       | -     | 6,3   | 92,0  | 83,0  | -     | 7,9     | 71,0  | 63,2  | 49,7 | 8,7   | 57,0  | 50,2    | 38,3 | 82  |    |
| 83   | -     | 112,0 | -       | -     | 5,5   | 91,2  | 82,5  | -     | 7,0     | 70,2  | 62,8  | 49,5 | 7,8   | 56,5  | 49,8    | 38,1 | 83  |    |
| 84   | -     | 110,0 | -       | -     | -     | 90,5  | 82,0  | -     | 6,2     | 69,5  | 62,5  | 49,4 | 7,0   | 56,0  | 49,5    | 37,9 | 84  |    |
| 85   | -     | -     | -       | -     | -     | 89,8  | 81,5  | -     | 5,4     | 69,0  | 62,0  | -    | 6,2   | 55,5  | 49,1    | 37,7 | 85  |    |
| 86   | -     | -     | -       | -     | -     | 89,2  | 81,0  | -     | -       | 68,5  | 61,5  | -    | 5,4   | 55,0  | 48,8    | 37,6 | 86  |    |
| 87   | -     | -     | -       | -     | -     | 88,6  | 80,5  | -     | -       | 68,0  | 61,0  | -    | -     | 54,5  | 48,4    | 37,4 | 87  |    |
| 89   | -     | -     | -       | -     | -     | 87,5  | -     | -     | -       | 67,0  | 60,2  | -    | -     | 53,6  | 47,7    | 37,1 | 89  |    |
| 90   | -     | -     | -       | -     | -     | 87,0  | -     | -     | -       | 66,5  | 60,0  | -    | -     | 53,2  | 47,4    | -    | 90  |    |
| 92   | -     | -     | -       | -     | -     | -     | -     | -     | -       | 65,5  | 59,5  | -    | -     | 52,5  | 46,8    | -    | 92  |    |
| 94   | -     | -     | -       | -     | -     | -     | -     | -     | -       | 64,7  | -     | -    | -     | 51,7  | 46,3    | -    | 94  |    |
| 96   | -     | -     | -       | -     | -     | -     | -     | -     | -       | 64,0  | -     | -    | -     | 51,0  | 45,8    | -    | 96  |    |
| 98   | -     | -     | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | 50,4  | 45,4    | -    | 98  |    |
| 102  | -     | -     | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | 49,3  | -       | -    | 102 |    |

|  |    |     |      |      |      |      |      |
|--|----|-----|------|------|------|------|------|
|  | 0t | 80t | 160t | 240t | 320t | 400t | 450t |
|--|----|-----|------|------|------|------|------|

| 84 m |       |         |       |       |       |       |         |       |       |       |       |         |       |       |       |      |         |  |  |
|------|-------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|-------|------|---------|--|--|
| 15 m |       |         | 21 m  |       |       |       |         |       | 27 m  |       |       | 33 m    |       |       |       |      |         |  |  |
| 0 t  |       | 0-450 t |       |       | 0 t   |       | 0-450 t |       |       | 0 t   |       | 0-450 t |       |       | 0 t   |      | 0-450 t |  |  |
| 15°  |       | 20°     |       | 30°   |       | 15°   |         | 20°   |       | 30°   |       | 15°     |       | 20°   |       | 30°  |         |  |  |
| m    | t     | t       | t     | t     | t     | t     | t       | t     | t     | t     | t     | t       | t     | t     | t     | t    | m       |  |  |
| 15   | 250,0 | 250,0   | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -    | 15      |  |  |
| 16   | 250,0 | 250,0   | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -    | 16      |  |  |
| 17   | 247,0 | 250,0   | 250,0 | -     | 231,0 | 240,0 | -       | -     | -     | -     | -     | -       | -     | -     | -     | -    | 17      |  |  |
| 18   | 233,0 | 250,0   | 250,0 | -     | 230,0 | 240,0 | -       | -     | -     | -     | -     | -       | -     | -     | -     | -    | 18      |  |  |
| 19   | 220,0 | 250,0   | 250,0 | 157,0 | 218,0 | 234,0 | 184,0   | -     | 176,0 | 182,0 | -     | -       | -     | -     | -     | -    | 19      |  |  |
| 20   | 208,0 | 250,0   | 246,0 | 157,0 | 206,0 | 229,0 | 184,0   | -     | 176,0 | 182,0 | -     | -       | -     | -     | -     | -    | 20      |  |  |
| 22   | 186,0 | 250,0   | 238,0 | 154,0 | 186,0 | 219,0 | 177,0   | 113,0 | 176,0 | 178,0 | 139,0 | -       | 140,0 | 145,0 | -     | -    | 22      |  |  |
| 24   | 168,0 | 250,0   | 229,0 | 151,0 | 168,0 | 210,0 | 171,0   | 111,0 | 168,0 | 170,0 | 137,0 | -       | 140,0 | 142,0 | 109,0 | -    | 24      |  |  |
| 26   | 153,0 | 250,0   | 222,0 | 148,0 | 153,0 | 202,0 | 165,0   | 108,0 | 153,0 | 163,0 | 132,0 | 85,0    | 134,0 | 136,0 | 109,0 | -    | 26      |  |  |
| 28   | 139,0 | 250,0   | 215,0 | 145,0 | 140,0 | 194,0 | 159,0   | 106,0 | 140,0 | 157,0 | 127,0 | 84,0    | 129,0 | 130,0 | 105,0 | -    | 28      |  |  |
| 29   | 133,0 | 248,5   | 212,0 | 143,5 | 134,0 | 190,0 | 156,5   | 104,5 | 134,0 | 154,0 | 125,0 | 82,7    | 126,5 | 127,5 | 103,5 | 65,5 | 29      |  |  |
| 30   | 127,0 | 247,0   | 209,0 | 142,0 | 128,0 | 186,0 | 154,0   | 103,0 | 128,0 | 151,0 | 123,0 | 81,5    | 124,0 | 125,0 | 102,0 | 65,5 | 30      |  |  |
| 34   | 106,0 | 237,0   | 196,0 | 136,0 | 105,0 | 173,0 | 145,0   | 98,5  | 108,0 | 140,0 | 115,0 | 78,0    | 109,0 | 116,0 | 95,0  | 63,0 | 34      |  |  |
| 38   | 86,5  | 222,0   | 185,0 | 131,0 | 89,5  | 162,0 | 137,0   | 94,5  | 88,0  | 131,0 | 108,0 | 74,0    | 90,0  | 108,0 | 88,5  | 59,5 | 38      |  |  |
| 42   | 71,2  | 208,5   | 175,5 | 126,0 | 73,7  | 152,5 | 129,5   | 90,7  | 76,2  | 122,0 | 101,2 | 70,7    | 76,5  | 100,7 | 83,2  | 56,5 | 42      |  |  |
| 46   | 58,2  | 196,0   | 167,0 | 121,5 | 60,5  | 143,5 | 122,5   | 87,2  | 63,0  | 114,0 | 95,7  | 67,5    | 64,7  | 94,2  | 78,2  | 53,7 | 46      |  |  |
| 50   | 47,6  | 185,5   | 159,0 | 117,0 | 49,7  | 135,0 | 116,0   | 84,0  | 52,0  | 107,0 | 90,5  | 64,5    | 53,5  | 88,2  | 73,7  | 51,2 | 50      |  |  |
| 54   | 38,6  | 176,5   | 152,0 | 113,5 | 40,6  | 128,0 | 110,5   | 81,2  | 42,8  | 101,2 | 86,0  | 61,7    | 44,2  | 83,0  | 69,7  | 49,0 | 54      |  |  |
| 58   | 30,9  | 169,0   | 146,5 | 110,5 | 32,8  | 122,0 | 105,5   | 78,7  | 34,9  | 95,7  | 82,0  | 59,5    | 36,2  | 78,2  | 66,2  | 47,1 | 58      |  |  |
| 62   | 24,3  | 162,5   | 141,5 | 107,5 | 26,0  | 116,0 | 101,0   | 76,2  | 28,0  | 90,7  | 78,2  | 57,5    | 29,2  | 74,0  | 63,0  | 45,3 | 62      |  |  |
| 66   | 18,5  | 155,5   | 136,5 | 105,0 | 20,1  | 110,5 | 97,2    | 74,0  | 22,1  | 86,5  | 75,0  | 55,7    | 23,2  | 70,2  | 60,2  | 43,7 | 66      |  |  |
| 70   | 13,4  | 149,0   | 132,0 | 103,0 | 15,0  | 106,0 | 93,7    | 72,0  | 16,8  | 82,7  | 72,0  | 54,2    | 17,9  | 67,0  | 57,7  | 42,3 | 70      |  |  |
| 74   | 8,9   | 142,5   | 128,0 | 101,5 | 10,4  | 102,0 | 90,5    | 70,2  | 12,2  | 79,2  | 69,2  | 52,7    | 13,2  | 64,0  | 55,5  | 41,0 | 74      |  |  |
| 76   | 6,8   | 139,0   | 126,0 | 101,0 | 8,3   | 100,0 | 89,0    | 69,5  | 10,0  | 77,5  | 68,0  | 52,0    | 11,0  | 62,5  | 54,5  | 40,4 | 76      |  |  |
| 77   | 5,8   | 135,0   | 124,5 | -     | 7,3   | 99,2  | 88,3    | 69,2  | 9,0   | 76,8  | 67,5  | 51,7    | 10,0  | 61,8  | 54,0  | 40,1 | 77      |  |  |
| 78   | -     | 131,3   | 123,0 | -     | 6,3   | 98,5  | 87,6    | 69,0  | 8,0   | 76,1  | 67,0  | 51,5    | 9,0   | 61,2  | 53,5  | 39,8 | 78      |  |  |
| 79   | -     | 127,6   | 122,0 | -     | 5,4   | 97,5  | 87,0    | 68,5  | 7,0   | 75,5  | 66,5  | 51,2    | 8,0   | 60,6  | 53,0  | 39,5 | 79      |  |  |
| 81   | -     | 120,5   | 118,5 | -     | -     | 95,7  | 85,5    | 68,0  | 5,2   | 74,0  | 65,5  | 50,6    | 6,1   | 59,5  | 52,0  | 39,0 | 81      |  |  |
| 82   | -     | 117,0   | 116,0 | -     | -     | 95,0  | 85,0    | 67,5  | -     | 73,3  | 65,0  | 50,3    | 5,2   | 59,0  | 51,5  | 38,8 | 82      |  |  |
| 86   | -     | 103,5   | 104,0 | -     | -     | 92,0  | 83,0    | -     | -     | 70,7  | 63,0  | 49,6    | -     | 56,5  | 49,9  | 38,0 | 86      |  |  |
| 88   | -     | 100,0   | -     | -     | -     | 90,5  | 82,0    | -     | -     | 69,5  | 62,0  | 49,2    | -     | 55,5  | 49,3  | 37,6 | 88      |  |  |
| 90   | -     | 96,5    | -     | -     | -     | 89,5  | 81,0    | -     | -     | 68,5  | 61,2  | -       | -     | 54,7  | 48,6  | 37,3 | 90      |  |  |
| 91   | -     | -       | -     | -     | -     | 89,0  | 80,5    | -     | -     | 68,0  | 60,8  | -       | -     | 54,3  | 48,2  | 37,1 | 91      |  |  |
| 94   | -     | -       | -     | -     | -     | 87,5  | -       | -     | -     | 66,7  | 60,0  | -       | -     | 53,0  | 47,3  | 36,8 | 94      |  |  |
| 95   | -     | -       | -     | -     | -     | 87,0  | -       | -     | -     | 66,3  | 59,7  | -       | -     | 52,5  | 47,0  | -    | 95      |  |  |
| 97   | -     | -       | -     | -     | -     | -     | -       | -     | -     | 65,6  | 59,0  | -       | -     | 51,7  | 46,4  | -    | 97      |  |  |
| 98   | -     | -       | -     | -     | -     | -     | -       | -     | -     | 65,2  | -     | -       | -     | 51,5  | 46,2  | -    | 98      |  |  |
| 101  | -     | -       | -     | -     | -     | -     | -       | -     | -     | 64,0  | -     | -       | -     | 50,7  | 45,6  | -    | 101     |  |  |
| 102  | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | 50,4  | 45,4  | -    | 102     |  |  |
| 103  | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | 50,1  | 45,2  | -    | 103     |  |  |
| 106  | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | 49,4  | -     | -    | 106     |  |  |
| 107  | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | 49,2  | -     | -    | 107     |  |  |

0t
80t
160t
240t
320t
400t
450t

| 90 m |       |         |       |       |       |         |       |       |       |         |       |      |       |         |       |      |     |
|------|-------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|------|-------|---------|-------|------|-----|
| 15 m |       |         | 21 m  |       |       |         | 27 m  |       |       |         | 33 m  |      |       |         |       |      |     |
| 0 t  |       | 0-450 t |       | 0 t   |       | 0-450 t |       | 0 t   |       | 0-450 t |       | 0 t  |       | 0-450 t |       |      |     |
| 15°  |       | 20°     |       | 30°   |       | 15°     |       | 20°   |       | 30°     |       | 15°  |       | 20°     |       | 30°  |     |
| m    | t     | t       | t     | t     | t     | t       | t     | t     | t     | t       | t     | t    | t     | t       | t     | t    | m   |
| 16   | 250,0 | 250,0   | -     | -     | -     | -       | -     | -     | -     | -       | -     | -    | -     | -       | -     | -    | 16  |
| 17   | 238,0 | 250,0   | 249,0 | -     | -     | -       | -     | -     | -     | -       | -     | -    | -     | -       | -     | -    | 17  |
| 18   | 224,0 | 250,0   | 249,0 | -     | 223,0 | 236,0   | -     | -     | -     | -       | -     | -    | -     | -       | -     | -    | 18  |
| 19   | 211,0 | 250,0   | 249,0 | 157,0 | 210,0 | 236,0   | -     | -     | -     | -       | -     | -    | -     | -       | -     | -    | 19  |
| 20   | 200,0 | 250,0   | 249,0 | 157,0 | 199,0 | 231,0   | 182,0 | -     | 177,0 | 183,0   | -     | -    | -     | -       | -     | -    | 20  |
| 22   | 179,0 | 250,0   | 240,0 | 154,0 | 179,0 | 221,0   | 178,0 | -     | 177,0 | 179,0   | 140,0 | -    | 141,0 | 143,0   | -     | -    | 22  |
| 23   | 170,5 | 250,0   | 236,0 | 152,5 | 170,5 | 217,0   | 175,0 | 112,0 | 169,5 | 175,5   | 139,0 | -    | 141,0 | 143,0   | -     | -    | 23  |
| 24   | 162,0 | 250,0   | 232,0 | 151,0 | 162,0 | 213,0   | 172,0 | 112,0 | 162,0 | 172,0   | 138,0 | -    | 141,0 | 143,0   | -     | -    | 24  |
| 25   | 154,5 | 250,0   | 228,5 | 149,5 | 154,5 | 209,0   | 169,5 | 110,5 | 155,0 | 168,5   | 135,5 | -    | 138,0 | 140,0   | 110,0 | -    | 25  |
| 26   | 147,0 | 250,0   | 225,0 | 148,0 | 147,0 | 205,0   | 167,0 | 109,0 | 148,0 | 165,0   | 133,0 | 84,5 | 135,0 | 137,0   | 110,0 | -    | 26  |
| 28   | 134,0 | 250,0   | 217,0 | 146,0 | 134,0 | 197,0   | 161,0 | 107,0 | 135,0 | 159,0   | 129,0 | 84,5 | 130,0 | 132,0   | 106,0 | -    | 28  |
| 30   | 122,0 | 249,0   | 211,0 | 143,0 | 123,0 | 189,0   | 156,0 | 104,0 | 124,0 | 153,0   | 125,0 | 82,0 | 124,0 | 127,0   | 103,0 | 66,0 | 30  |
| 34   | 99,0  | 242,0   | 199,0 | 138,0 | 102,0 | 177,0   | 147,0 | 99,5  | 105,0 | 143,0   | 117,0 | 78,5 | 105,0 | 118,0   | 96,5  | 63,5 | 34  |
| 38   | 83,5  | 227,0   | 189,0 | 133,0 | 86,5  | 166,0   | 139,0 | 95,5  | 85,5  | 133,0   | 110,0 | 75,0 | 87,5  | 110,0   | 90,0  | 60,0 | 38  |
| 42   | 68,2  | 214,0   | 179,5 | 128,0 | 70,7  | 156,0   | 132,0 | 91,7  | 71,5  | 125,0   | 103,5 | 71,5 | 73,5  | 103,5   | 84,7  | 57,0 | 42  |
| 46   | 55,2  | 202,0   | 170,5 | 123,5 | 57,5  | 147,0   | 125,5 | 88,5  | 60,0  | 117,5   | 97,5  | 68,5 | 62,0  | 96,7    | 79,7  | 54,2 | 46  |
| 50   | 44,6  | 191,0   | 162,5 | 119,0 | 46,7  | 139,0   | 119,0 | 85,5  | 49,1  | 110,5   | 92,7  | 65,5 | 50,9  | 90,7    | 75,2  | 51,7 | 50  |
| 54   | 35,5  | 181,5   | 156,0 | 115,5 | 37,6  | 132,0   | 113,5 | 82,7  | 39,9  | 104,0   | 88,2  | 62,7 | 41,4  | 85,5    | 71,2  | 49,6 | 54  |
| 58   | 27,8  | 173,5   | 150,0 | 112,5 | 29,7  | 126,0   | 108,5 | 80,0  | 31,9  | 98,5    | 84,0  | 60,5 | 33,3  | 80,7    | 67,7  | 47,8 | 58  |
| 62   | 21,1  | 167,0   | 145,0 | 109,5 | 22,9  | 120,0   | 104,0 | 77,5  | 25,0  | 93,7    | 80,2  | 58,5 | 26,3  | 76,5    | 64,5  | 46,0 | 62  |
| 66   | 15,3  | 161,0   | 141,0 | 107,0 | 17,0  | 114,5   | 100,0 | 75,2  | 19,0  | 89,5    | 77,0  | 56,5 | 20,2  | 72,7    | 61,7  | 44,3 | 66  |
| 70   | 10,2  | 153,5   | 136,5 | 105,0 | 11,8  | 110,0   | 96,2  | 73,0  | 13,7  | 85,5    | 74,0  | 54,7 | 14,9  | 69,2    | 59,2  | 42,9 | 70  |
| 74   | 5,7   | 143,0   | 132,0 | 103,3 | 7,2   | 105,6   | 93,0  | 71,3  | 9,1   | 81,8    | 71,2  | 53,2 | 10,2  | 66,0    | 56,7  | 41,6 | 74  |
| 76   | -     | 138,0   | 130,0 | 102,0 | 5,1   | 103,0   | 91,5  | 70,5  | 6,9   | 80,0    | 70,0  | 52,5 | 8,0   | 64,5    | 55,5  | 41,0 | 76  |
| 77   | -     | 135,2   | 129,0 | 101,7 | -     | 102,2   | 90,7  | 70,2  | 5,9   | 79,5    | 69,5  | 52,3 | 6,9   | 64,0    | 55,0  | 40,7 | 77  |
| 78   | -     | 132,5   | 128,0 | 101,5 | -     | 101,5   | 90,0  | 70,0  | -     | 78,6    | 68,8  | 52,1 | 5,9   | 63,3    | 54,5  | 40,4 | 78  |
| 80   | -     | 127,0   | 126,0 | 101,0 | -     | 100,0   | 88,5  | 69,0  | -     | 77,0    | 67,5  | 51,5 | -     | 62,0    | 53,5  | 39,9 | 80  |
| 82   | -     | 120,5   | 120,5 | -     | -     | 98,2    | 87,2  | 68,5  | -     | 75,7    | 66,5  | 51,0 | -     | 60,7    | 52,7  | 39,4 | 82  |
| 86   | -     | 108,0   | 108,5 | -     | -     | 95,0    | 85,0  | 67,5  | -     | 73,2    | 64,5  | 50,1 | -     | 58,5    | 51,0  | 38,4 | 86  |
| 90   | -     | 96,0    | 96,3  | -     | -     | 92,2    | 83,0  | -     | -     | 70,7    | 62,7  | 49,3 | -     | 56,5    | 49,5  | 37,6 | 90  |
| 91   | -     | 93,0    | 93,5  | -     | -     | 91,6    | 82,5  | -     | -     | 70,1    | 62,3  | 49,1 | -     | 56,0    | 49,2  | 37,4 | 91  |
| 92   | -     | 91,0    | -     | -     | -     | 91,0    | 82,0  | -     | -     | 69,5    | 62,0  | 49,0 | -     | 55,5    | 49,0  | 37,3 | 92  |
| 94   | -     | 88,0    | -     | -     | -     | 88,5    | 81,2  | -     | -     | 68,5    | 61,3  | -    | -     | 54,5    | 48,3  | 37,0 | 94  |
| 95   | -     | 86,5    | -     | -     | -     | 87,2    | 80,8  | -     | -     | 68,0    | 61,0  | -    | -     | 54,0    | 48,0  | 36,9 | 95  |
| 96   | -     | -       | -     | -     | -     | 86,0    | 80,5  | -     | -     | 67,5    | 60,5  | -    | -     | 53,5    | 47,7  | 36,8 | 96  |
| 98   | -     | -       | -     | -     | -     | 83,0    | -     | -     | -     | 66,7    | 60,1  | -    | -     | 53,0    | 47,1  | 36,5 | 98  |
| 101  | -     | -       | -     | -     | -     | 78,0    | -     | -     | -     | 65,6    | 59,2  | -    | -     | 51,7    | 46,3  | -    | 101 |
| 102  | -     | -       | -     | -     | -     | -       | -     | -     | -     | 65,2    | 59,0  | -    | -     | 51,5    | 46,1  | -    | 102 |
| 106  | -     | -       | -     | -     | -     | -       | -     | -     | -     | 64,0    | -     | -    | -     | 50,4    | 45,3  | -    | 106 |
| 108  | -     | -       | -     | -     | -     | -       | -     | -     | -     | -       | -     | -    | -     | 49,9    | 45,0  | -    | 108 |
| 110  | -     | -       | -     | -     | -     | -       | -     | -     | -     | -       | -     | -    | -     | 49,4    | -     | -    | 110 |
| 112  | -     | -       | -     | -     | -     | -       | -     | -     | -     | -       | -     | -    | -     | 49,0    | -     | -    | 112 |



| 96 m |       |       |         |       |       |       |       |       |         |       |       |      |       |       |         |      |     |
|------|-------|-------|---------|-------|-------|-------|-------|-------|---------|-------|-------|------|-------|-------|---------|------|-----|
| 15 m |       |       | 21 m    |       |       | 27 m  |       |       | 33 m    |       |       |      |       |       |         |      |     |
| 0 t  |       |       | 0-450 t |       |       | 0 t   |       |       | 0-450 t |       |       | 0 t  |       |       | 0-450 t |      |     |
| 15°  |       |       | 20°     |       |       | 30°   |       |       | 15°     |       |       | 20°  |       |       | 30°     |      |     |
| m    | t     | t     | t       | t     | t     | t     | t     | t     | t       | t     | t     | t    | t     | t     | t       | t    | m   |
| 16   | 243,0 | 250,0 | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | -     | -       | -    | 16  |
| 18   | 215,0 | 250,0 | 249,0   | -     | 214,0 | 232,0 | -     | -     | -       | -     | -     | -    | -     | -     | -       | -    | 18  |
| 20   | 192,0 | 250,0 | 248,0   | 156,0 | 192,0 | 232,0 | 183,0 | -     | -       | -     | -     | -    | -     | -     | -       | -    | 20  |
| 21   | 182,0 | 250,0 | 245,0   | 155,5 | 182,0 | 227,5 | 181,5 | -     | 174,0   | 181,0 | -     | -    | -     | -     | -       | -    | 21  |
| 22   | 172,0 | 250,0 | 242,0   | 155,0 | 172,0 | 223,0 | 180,0 | -     | 173,0   | 181,0 | -     | -    | -     | -     | -       | -    | 22  |
| 23   | 163,5 | 250,0 | 238,5   | 153,5 | 164,0 | 219,0 | 177,0 | 111,0 | 164,5   | 177,5 | 139,0 | -    | 139,0 | 144,0 | -       | -    | 23  |
| 24   | 155,0 | 250,0 | 235,0   | 152,0 | 156,0 | 215,0 | 174,0 | 111,0 | 156,0   | 174,0 | 139,0 | -    | 139,0 | 144,0 | -       | -    | 24  |
| 25   | 148,0 | 250,0 | 231,5   | 150,5 | 148,5 | 211,0 | 171,0 | 110,5 | 149,0   | 170,5 | 136,5 | -    | 137,5 | 141,0 | 108,0   | -    | 25  |
| 26   | 141,0 | 250,0 | 228,0   | 149,0 | 141,0 | 207,0 | 168,0 | 110,0 | 142,0   | 167,0 | 134,0 | -    | 136,0 | 138,0 | 108,0   | -    | 26  |
| 27   | 134,5 | 250,0 | 224,5   | 148,0 | 135,0 | 203,5 | 165,5 | 108,5 | 136,0   | 164,0 | 132,0 | 84,5 | 133,0 | 135,5 | 107,5   | -    | 27  |
| 28   | 128,0 | 250,0 | 221,0   | 147,0 | 129,0 | 200,0 | 163,0 | 107,0 | 130,0   | 161,0 | 130,0 | 84,5 | 130,0 | 133,0 | 107,0   | -    | 28  |
| 30   | 117,0 | 250,0 | 215,0   | 144,0 | 117,0 | 192,0 | 158,0 | 105,0 | 119,0   | 155,0 | 126,0 | 82,5 | 119,0 | 128,0 | 103,0   | 65,5 | 30  |
| 34   | 96,0  | 244,0 | 203,0   | 140,0 | 99,0  | 180,0 | 149,0 | 100,0 | 100,0   | 145,0 | 119,0 | 79,0 | 100,0 | 120,0 | 97,5    | 63,5 | 34  |
| 38   | 80,5  | 232,0 | 192,0   | 134,0 | 79,5  | 169,0 | 141,0 | 96,5  | 82,5    | 136,0 | 112,0 | 75,5 | 84,5  | 112,0 | 91,5    | 60,5 | 38  |
| 42   | 64,7  | 218,5 | 182,5   | 129,5 | 67,2  | 159,5 | 134,5 | 93,2  | 68,5    | 128,0 | 105,5 | 72,2 | 68,7  | 105,5 | 86,0    | 57,5 | 42  |
| 46   | 51,7  | 206,5 | 174,0   | 125,0 | 54,2  | 150,5 | 128,0 | 89,7  | 57,0    | 120,5 | 99,7  | 69,0 | 57,0  | 99,0  | 81,2    | 54,7 | 46  |
| 50   | 41,0  | 195,0 | 166,5   | 121,0 | 43,4  | 142,5 | 122,0 | 86,7  | 45,9    | 113,5 | 95,0  | 66,2 | 47,5  | 93,0  | 76,7    | 52,2 | 50  |
| 54   | 31,9  | 185,5 | 159,5   | 117,5 | 34,1  | 135,5 | 116,5 | 84,0  | 36,5    | 107,0 | 90,2  | 63,7 | 38,2  | 87,5  | 72,7    | 50,1 | 54  |
| 58   | 24,2  | 177,5 | 153,0   | 114,5 | 26,2  | 129,0 | 111,5 | 81,2  | 28,5    | 101,5 | 86,0  | 61,5 | 30,0  | 82,7  | 69,2    | 48,3 | 58  |
| 62   | 17,5  | 171,0 | 147,5   | 111,5 | 19,4  | 123,0 | 106,5 | 78,7  | 21,6    | 96,7  | 82,2  | 59,5 | 23,0  | 78,5  | 66,0    | 46,5 | 62  |
| 66   | 11,6  | 163,0 | 143,0   | 109,0 | 13,5  | 118,0 | 102,0 | 76,5  | 15,6    | 92,2  | 79,0  | 57,5 | 16,9  | 74,7  | 63,2    | 44,9 | 66  |
| 70   | 6,5   | 152,0 | 139,6   | 107,0 | 8,2   | 113,5 | 98,6  | 74,5  | 10,3    | 88,0  | 76,0  | 55,7 | 11,5  | 71,2  | 60,7    | 43,5 | 70  |
| 71   | 5,3   | 149,0 | 139,0   | 106,5 | 7,0   | 112,2 | 98,0  | 74,0  | 9,0     | 87,0  | 75,2  | 55,3 | 10,2  | 70,3  | 60,1    | 43,1 | 71  |
| 72   | -     | 146,0 | 138,0   | 106,0 | 5,8   | 111,0 | 97,0  | 73,5  | 7,8     | 86,0  | 74,5  | 55,0 | 9,0   | 69,5  | 59,5    | 42,8 | 72  |
| 74   | -     | 140,5 | 135,5   | 105,0 | -     | 109,0 | 95,5  | 72,5  | 5,5     | 84,5  | 73,1  | 54,3 | 6,7   | 68,0  | 58,2    | 42,1 | 74  |
| 75   | -     | 137,7 | 134,2   | 104,5 | -     | 108,0 | 94,7  | 72,0  | -       | 83,5  | 72,5  | 54,0 | 5,6   | 67,2  | 57,6    | 41,8 | 75  |
| 78   | -     | 130,0 | 129,0   | 103,0 | -     | 105,0 | 92,5  | 70,7  | -       | 81,0  | 70,5  | 52,7 | -     | 65,2  | 56,0    | 40,9 | 78  |
| 82   | -     | 120,5 | 121,0   | 101,0 | -     | 101,2 | 89,5  | 69,5  | -       | 78,0  | 68,2  | 51,5 | -     | 62,7  | 54,0    | 39,9 | 82  |
| 85   | -     | 113,0 | 114,0   | 100,0 | -     | 98,7  | 87,5  | 68,6  | -       | 75,8  | 66,5  | 50,7 | -     | 60,8  | 52,6    | 39,1 | 85  |
| 86   | -     | 110,0 | 111,0   | -     | -     | 98,0  | 87,0  | 68,2  | -       | 75,2  | 66,0  | 50,5 | -     | 60,2  | 52,2    | 38,9 | 86  |
| 90   | -     | 98,5  | 99,2    | -     | -     | 95,0  | 85,0  | 67,0  | -       | 72,7  | 64,3  | 49,7 | -     | 58,0  | 50,7    | 38,1 | 90  |
| 94   | -     | 87,5  | 88,1    | -     | -     | 91,0  | 83,0  | -     | -       | 70,5  | 62,7  | 49,1 | -     | 56,0  | 49,4    | 37,3 | 94  |
| 95   | -     | 84,7  | 85,5    | -     | -     | 89,7  | 82,5  | -     | -       | 70,0  | 62,3  | 48,9 | -     | 55,5  | 49,0    | 37,2 | 95  |
| 96   | -     | 82,0  | -       | -     | -     | 88,5  | 82,0  | -     | -       | 69,5  | 62,0  | 48,7 | -     | 55,0  | 48,7    | 37,0 | 96  |
| 98   | -     | 79,2  | -       | -     | -     | 83,5  | 80,7  | -     | -       | 68,5  | 61,2  | -    | -     | 54,5  | 48,1    | 36,7 | 98  |
| 100  | -     | 76,5  | -       | -     | -     | 78,5  | 79,5  | -     | -       | 67,5  | 60,5  | -    | -     | 53,5  | 47,5    | 36,5 | 100 |
| 101  | -     | -     | -       | -     | -     | 76,2  | 77,0  | -     | -       | 67,1  | 60,2  | -    | -     | 53,2  | 47,2    | 36,4 | 101 |
| 102  | -     | -     | -       | -     | -     | 75,0  | -     | -     | -       | 66,7  | 60,0  | -    | -     | 53,0  | 47,0    | 36,3 | 102 |
| 106  | -     | -     | -       | -     | -     | 69,0  | -     | -     | -       | 65,2  | 58,8  | -    | -     | 51,5  | 46,0    | -    | 106 |
| 107  | -     | -     | -       | -     | -     | -     | -     | -     | -       | 64,8  | 58,5  | -    | -     | 51,2  | 45,8    | -    | 107 |
| 110  | -     | -     | -       | -     | -     | -     | -     | -     | -       | 63,5  | -     | -    | -     | 50,4  | 45,2    | -    | 110 |
| 112  | -     | -     | -       | -     | -     | -     | -     | -     | -       | 62,5  | -     | -    | -     | 49,9  | 44,9    | -    | 112 |
| 113  | -     | -     | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | 49,7  | 44,7    | -    | 113 |
| 114  | -     | -     | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | 49,5  | -       | -    | 114 |
| 117  | -     | -     | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | 48,9  | -       | -    | 117 |

0t 80t 160t 240t 320t 400t 450t



| 66 m |       |         |       |       |       |       |         |       |       |       |       |         |       |       |       |       |         |  |
|------|-------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|---------|--|
| 15 m |       |         | 21 m  |       |       |       |         | 27 m  |       |       |       | 33 m    |       |       |       |       |         |  |
| 0 t  |       | 0-450 t |       |       | 0 t   |       | 0-450 t |       |       | 0 t   |       | 0-450 t |       |       | 0 t   |       | 0-450 t |  |
| 15°  |       | 20°     |       | 30°   |       | 15°   |         | 20°   |       | 30°   |       | 15°     |       | 20°   |       | 30°   |         |  |
| m    | t     | t       | t     | t     | t     | t     | t       | t     | t     | t     | t     | t       | t     | t     | t     | t     | m       |  |
| 14   | 250,0 | 250,0   | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | 14      |  |
| 15   | 250,0 | 250,0   | 250,0 | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | 15      |  |
| 16   | 250,0 | 250,0   | 250,0 | -     | 239,0 | 249,0 | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | 16      |  |
| 17   | 250,0 | 250,0   | 248,5 | 161,0 | 235,0 | 241,5 | 188,0   | -     | -     | -     | -     | -       | -     | -     | -     | -     | 17      |  |
| 18   | 250,0 | 250,0   | 247,0 | 161,0 | 231,0 | 235,0 | 188,0   | -     | 185,0 | 188,0 | -     | -       | -     | -     | -     | -     | 18      |  |
| 20   | 236,0 | 250,0   | 239,0 | 156,0 | 219,0 | 222,0 | 179,0   | 115,0 | 181,0 | 182,0 | 142,0 | -       | 148,0 | 150,0 | -     | -     | 20      |  |
| 22   | 214,5 | 250,0   | 229,0 | 152,5 | 205,0 | 211,5 | 171,5   | 112,0 | 171,5 | 173,0 | 137,5 | -       | 142,5 | 144,0 | 111,0 | -     | 22      |  |
| 24   | 193,0 | 250,0   | 219,0 | 149,0 | 191,0 | 201,0 | 164,0   | 109,0 | 163,0 | 164,0 | 133,0 | -       | 86,5  | 137,0 | 138,0 | 111,0 | 24      |  |
| 26   | 175,0 | 248,0   | 210,5 | 145,0 | 175,0 | 191,5 | 158,0   | 106,0 | 155,5 | 156,5 | 128,0 | -       | 84,5  | 130,5 | 131,5 | 106,5 | 26      |  |
| 27   | 166,0 | 247,0   | 206,2 | 143,0 | 167,0 | 186,7 | 155,0   | 104,5 | 151,7 | 152,7 | 125,5 | -       | 83,5  | 127,2 | 128,2 | 104,2 | 27      |  |
| 28   | 157,0 | 246,0   | 202,0 | 141,0 | 159,0 | 182,0 | 152,0   | 103,0 | 148,0 | 149,0 | 123,0 | -       | 82,5  | 124,0 | 125,0 | 102,0 | 28      |  |
| 30   | 145,0 | 236,5   | 195,5 | 137,0 | 147,0 | 175,0 | 146,5   | 100,2 | 140,0 | 143,0 | 118,5 | -       | 80,0  | 119,0 | 120,0 | 98,5  | 30      |  |
| 34   | 122,0 | 218,5   | 183,0 | 130,0 | 123,5 | 161,5 | 136,5   | 95,0  | 123,0 | 132,0 | 110,0 | -       | 75,5  | 109,5 | 110,5 | 91,7  | 34      |  |
| 38   | 102,2 | 203,0   | 171,5 | 124,0 | 103,5 | 149,5 | 127,5   | 90,5  | 105,5 | 122,0 | 102,7 | -       | 71,7  | 101,2 | 102,2 | 85,7  | 38      |  |
| 42   | 86,8  | 190,0   | 161,6 | 118,6 | 88,1  | 139,6 | 119,6   | 86,6  | 90,1  | 113,3 | 96,6  | -       | 68,3  | 90,6  | 95,3  | 80,5  | 42      |  |
| 46   | 73,5  | 178,0   | 153,0 | 114,0 | 74,5  | 131,0 | 113,0   | 83,0  | 76,5  | 106,0 | 91,0  | -       | 65,0  | 77,0  | 89,0  | 75,5  | 46      |  |
| 50   | 63,1  | 168,6   | 146,3 | 110,6 | 64,5  | 123,6 | 107,6   | 79,6  | 66,1  | 100,0 | 86,3  | -       | 62,3  | 66,6  | 83,3  | 71,1  | 50      |  |
| 54   | 54,1  | 160,0   | 140,0 | 107,3 | 55,5  | 117,0 | 102,8   | 76,8  | 57,0  | 94,6  | 82,0  | -       | 60,0  | 57,5  | 78,3  | 67,3  | 54      |  |
| 58   | 46,5  | 152,0   | 134,0 | 104,0 | 47,6  | 111,0 | 98,5    | 74,5  | 49,0  | 90,0  | 78,0  | -       | 58,0  | 49,6  | 74,0  | 64,0  | 58      |  |
| 62   | 40,1  | 146,0   | 129,3 | 102,0 | 41,2  | 106,3 | 94,8    | 72,5  | 42,5  | 85,6  | 75,0  | -       | 56,0  | 43,0  | 70,6  | 61,3  | 62      |  |
| 66   | 34,4  | 140,3   | 125,3 | -     | 35,4  | 102,0 | 91,5    | 70,7  | 36,6  | 81,6  | 72,1  | -       | 54,3  | 37,1  | 67,5  | 58,8  | 66      |  |
| 68   | 31,8  | 137,6   | 123,6 | -     | 32,8  | 100,0 | 90,0    | 70,0  | 34,0  | 79,8  | 70,8  | -       | 53,6  | 34,4  | 66,0  | 57,6  | 68      |  |
| 70   | 29,3  | 135,0   | 122,0 | -     | 30,2  | 98,0  | 88,5    | -     | 31,4  | 78,0  | 69,5  | -       | 53,0  | 31,8  | 64,5  | 56,5  | 70      |  |
| 74   | 25,0  | 131,0   | -     | -     | 25,9  | 94,6  | 85,8    | -     | 27,0  | 75,0  | 67,1  | -       | 52,0  | 27,4  | 61,8  | 54,5  | 74      |  |
| 76   | -     | -       | -     | -     | 23,8  | 93,0  | 84,5    | -     | 24,8  | 73,5  | 66,0  | -       | -     | 25,2  | 60,5  | 53,5  | 76      |  |
| 78   | -     | -       | -     | -     | 21,9  | 91,7  | -       | -     | 23,0  | 72,3  | 65,1  | -       | -     | 23,3  | 59,3  | 52,6  | 78      |  |
| 80   | -     | -       | -     | -     | 20,1  | 90,5  | -       | -     | 21,2  | 71,1  | 64,3  | -       | -     | 21,4  | 58,1  | 51,8  | 80      |  |
| 82   | -     | -       | -     | -     | -     | -     | -       | -     | 19,4  | 70,0  | 63,5  | -       | -     | 19,6  | 57,0  | 51,0  | 82      |  |
| 84   | -     | -       | -     | -     | -     | -     | -       | -     | 17,7  | 69,0  | -     | -       | -     | 18,0  | 56,1  | 50,4  | 84      |  |
| 86   | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | 16,4  | 55,3  | 49,8  | 86      |  |
| 88   | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | 14,9  | 54,5  | 49,3  | 88      |  |
| 90   | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | 13,5  | 54,0  | -     | 90      |  |

|  |     |      |       |       |       |       |       |
|--|-----|------|-------|-------|-------|-------|-------|
|  | 0 t | 80 t | 160 t | 240 t | 320 t | 400 t | 450 t |
|--|-----|------|-------|-------|-------|-------|-------|

| 72 m |       |         |       |       |       |       |         |       |       |       |       |         |       |       |       |      |         |  |
|------|-------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|-------|------|---------|--|
| 15 m |       |         | 21 m  |       |       |       |         |       | 27 m  |       |       | 33 m    |       |       |       |      |         |  |
| 0 t  |       | 0-450 t |       |       | 0 t   |       | 0-450 t |       |       | 0 t   |       | 0-450 t |       |       | 0 t   |      | 0-450 t |  |
| 15°  |       | 20°     |       | 30°   |       | 15°   |         | 20°   |       | 30°   |       | 15°     |       | 20°   |       | 30°  |         |  |
| m    | t     | t       | t     | t     | t     | t     | t       | t     | t     | t     | t     | t       | t     | t     | t     | t    | m       |  |
| 14   | 250,0 | 250,0   | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -    | 14      |  |
| 15   | 250,0 | 250,0   | 250,0 | -     | -     | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -    | 15      |  |
| 16   | 250,0 | 250,0   | 250,0 | -     | 235,0 | 245,0 | -       | -     | -     | -     | -     | -       | -     | -     | -     | -    | 16      |  |
| 18   | 250,0 | 250,0   | 248,0 | 161,0 | 235,0 | 238,0 | 186,0   | -     | 183,0 | 190,0 | -     | -       | -     | -     | -     | -    | 18      |  |
| 20   | 227,0 | 250,0   | 242,0 | 157,0 | 222,0 | 225,0 | 181,0   | -     | 183,0 | 185,0 | 144,0 | -       | 146,0 | 151,0 | -     | -    | 20      |  |
| 21   | 216,7 | 250,0   | 237,2 | 155,2 | 212,5 | 219,7 | 177,5   | 114,0 | 178,5 | 180,5 | 141,7 | -       | 144,2 | 148,2 | -     | -    | 21      |  |
| 22   | 206,5 | 250,0   | 232,5 | 153,5 | 203,0 | 214,5 | 174,0   | 112,6 | 174,0 | 176,0 | 139,5 | -       | 142,5 | 145,5 | -     | -    | 22      |  |
| 23   | 196,2 | 250,0   | 227,7 | 151,7 | 193,5 | 209,2 | 170,5   | 111,3 | 169,5 | 171,5 | 137,2 | -       | 140,7 | 142,7 | 112,0 | -    | 23      |  |
| 24   | 186,0 | 250,0   | 223,0 | 150,0 | 184,0 | 204,0 | 167,0   | 110,0 | 165,0 | 167,0 | 135,0 | 85,5    | 139,0 | 140,0 | 112,0 | -    | 24      |  |
| 26   | 169,5 | 250,0   | 215,0 | 146,5 | 169,0 | 195,5 | 161,0   | 107,0 | 158,0 | 160,0 | 130,0 | 84,2    | 132,5 | 134,0 | 108,0 | -    | 26      |  |
| 28   | 153,0 | 250,0   | 207,0 | 143,0 | 154,0 | 187,0 | 155,0   | 104,0 | 151,0 | 153,0 | 125,0 | 83,0    | 126,0 | 128,0 | 104,0 | 67,0 | 28      |  |
| 30   | 141,0 | 242,5   | 200,5 | 139,5 | 140,5 | 179,5 | 149,5   | 101,5 | 140,0 | 146,5 | 120,5 | 80,7    | 121,0 | 122,5 | 100,2 | 65,7 | 30      |  |
| 34   | 118,0 | 226,5   | 188,0 | 132,5 | 118,0 | 166,0 | 139,5   | 96,5  | 118,0 | 135,0 | 112,0 | 76,5    | 111,5 | 113,0 | 93,2  | 62,7 | 34      |  |
| 38   | 98,5  | 210,5   | 176,5 | 126,5 | 100,2 | 154,5 | 131,0   | 92,0  | 100,2 | 125,5 | 105,0 | 72,7    | 101,0 | 105,0 | 87,2  | 59,5 | 38      |  |
| 42   | 83,1  | 197,0   | 166,6 | 121,6 | 84,8  | 144,3 | 123,6   | 88,1  | 86,6  | 117,3 | 99,1  | 69,5    | 88,0  | 97,8  | 82,1  | 56,6 | 42      |  |
| 46   | 69,5  | 185,0   | 158,0 | 117,0 | 71,5  | 135,0 | 117,0   | 84,5  | 73,0  | 110,0 | 93,5  | 66,5    | 74,0  | 91,5  | 77,5  | 54,0 | 46      |  |
| 50   | 59,5  | 175,0   | 151,3 | 113,0 | 61,1  | 127,6 | 111,0   | 81,5  | 62,6  | 103,3 | 88,5  | 63,8    | 63,6  | 85,8  | 73,1  | 51,6 | 50      |  |
| 54   | 50,6  | 166,0   | 145,0 | 109,6 | 52,0  | 121,3 | 106,0   | 78,6  | 53,5  | 97,6  | 84,1  | 61,3    | 54,4  | 80,8  | 69,3  | 49,5 | 54      |  |
| 58   | 42,8  | 158,0   | 139,0 | 107,0 | 44,1  | 116,0 | 102,0   | 76,0  | 45,6  | 93,0  | 80,5  | 59,0    | 46,3  | 76,5  | 66,0  | 47,7 | 58      |  |
| 62   | 36,4  | 151,3   | 133,6 | 104,3 | 37,7  | 110,6 | 98,0    | 74,0  | 39,1  | 88,6  | 77,1  | 57,3    | 39,7  | 73,1  | 63,3  | 46,1 | 62      |  |
| 66   | 30,7  | 145,3   | 129,0 | 102,0 | 31,8  | 105,6 | 94,3    | 72,1  | 33,2  | 84,6  | 74,1  | 55,6    | 33,8  | 69,8  | 60,8  | 44,6 | 66      |  |
| 68   | 28,1  | 142,6   | 127,0 | 101,0 | 29,2  | 103,3 | 92,6    | 71,3  | 30,5  | 82,8  | 72,8  | 54,8    | 31,1  | 68,1  | 59,6  | 43,9 | 68      |  |
| 70   | 25,6  | 140,0   | 125,0 | -     | 26,6  | 101,0 | 91,0    | 70,5  | 27,9  | 81,0  | 71,5  | 54,0    | 28,5  | 66,5  | 58,5  | 43,3 | 70      |  |
| 72   | 23,4  | 138,0   | 123,6 | -     | 24,4  | 99,3  | 89,6    | 70,0  | 25,7  | 79,5  | 70,3  | 53,3    | 26,2  | 65,1  | 57,3  | 42,7 | 72      |  |
| 74   | 21,3  | 136,0   | 122,3 | -     | 22,2  | 97,6  | 88,3    | -     | 23,5  | 78,0  | 69,1  | 52,6    | 24,0  | 63,8  | 56,1  | 42,1 | 74      |  |
| 76   | 19,2  | 134,0   | 121,0 | -     | 20,1  | 96,0  | 87,0    | -     | 21,3  | 76,5  | 68,0  | 52,0    | 21,8  | 62,5  | 55,0  | 41,5 | 76      |  |
| 78   | 17,3  | 129,0   | -     | -     | 18,3  | 94,6  | 86,0    | -     | 19,4  | 75,1  | 67,0  | 52,0    | 19,9  | 61,3  | 54,1  | 41,0 | 78      |  |
| 80   | -     | -       | -     | -     | 16,5  | 93,3  | 85,0    | -     | 17,5  | 73,8  | 66,0  | -       | 18,0  | 60,1  | 53,3  | 40,6 | 80      |  |
| 82   | -     | -       | -     | -     | 14,7  | 92,0  | -       | -     | 15,7  | 72,5  | 65,0  | -       | 16,1  | 59,0  | 52,5  | 40,2 | 82      |  |
| 84   | -     | -       | -     | -     | 13,0  | 91,0  | -       | -     | 14,1  | 71,5  | 64,2  | -       | 14,5  | 58,0  | 51,8  | 39,8 | 84      |  |
| 86   | -     | -       | -     | -     | -     | -     | -       | -     | 12,6  | 70,5  | 63,5  | -       | 12,9  | 57,0  | 51,1  | -    | 86      |  |
| 90   | -     | -       | -     | -     | -     | -     | -       | -     | 9,7   | 68,5  | -     | -       | 10,0  | 55,3  | 49,9  | -    | 90      |  |
| 92   | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | 8,6   | 54,6  | 49,4  | -    | 92      |  |
| 94   | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | 7,3   | 54,0  | -     | -    | 94      |  |
| 96   | -     | -       | -     | -     | -     | -     | -       | -     | -     | -     | -     | -       | 6,1   | 53,5  | -     | -    | 96      |  |





| 78 m |       |         |       |       |       |         |       |       |       |         |       |      |       |         |       |      |     |
|------|-------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|------|-------|---------|-------|------|-----|
| 15 m |       |         | 21 m  |       |       |         | 27 m  |       |       |         | 33 m  |      |       |         |       |      |     |
| 0 t  |       | 0-450 t |       | 0 t   |       | 0-450 t |       | 0 t   |       | 0-450 t |       | 0 t  |       | 0-450 t |       |      |     |
| 15°  |       | 20°     |       | 30°   |       | 15°     |       | 20°   |       | 30°     |       | 15°  |       | 20°     |       | 30°  |     |
| m    | t     | t       | t     | t     | t     | t       | t     | t     | t     | t       | t     | t    | t     | t       | t     | t    | m   |
| 15   | 250,0 | 250,0   | -     | -     | -     | -       | -     | -     | -     | -       | -     | -    | -     | -       | -     | -    | 15  |
| 16   | 250,0 | 250,0   | 250,0 | -     | -     | -       | -     | -     | -     | -       | -     | -    | -     | -       | -     | -    | 16  |
| 17   | 247,5 | 250,0   | 250,0 | -     | 238,0 | 248,0   | -     | -     | -     | -       | -     | -    | -     | -       | -     | -    | 17  |
| 18   | 245,0 | 250,0   | 250,0 | 160,0 | 238,0 | 242,0   | 188,0 | -     | -     | -       | -     | -    | -     | -       | -     | -    | 18  |
| 19   | 232,0 | 250,0   | 247,5 | 159,0 | 227,5 | 236,0   | 186,5 | -     | 185,0 | 188,0   | -     | -    | -     | -       | -     | -    | 19  |
| 20   | 219,0 | 250,0   | 245,0 | 158,0 | 217,0 | 230,0   | 185,0 | -     | 185,0 | 188,0   | -     | -    | -     | -       | -     | -    | 20  |
| 21   | 209,0 | 250,0   | 240,7 | 156,2 | 207,2 | 224,7   | 181,2 | -     | 181,0 | 183,7   | 143,0 | -    | 144,0 | 149,0   | -     | -    | 21  |
| 22   | 199,0 | 250,0   | 236,5 | 154,5 | 197,5 | 219,5   | 177,5 | 113,0 | 177,0 | 179,5   | 141,0 | -    | 143,0 | 146,6   | -     | -    | 22  |
| 23   | 189,0 | 250,0   | 232,2 | 152,7 | 187,7 | 214,2   | 173,7 | 112,5 | 173,0 | 175,2   | 139,0 | -    | 142,0 | 144,3   | 112,0 | -    | 23  |
| 24   | 179,0 | 250,0   | 228,0 | 151,0 | 178,0 | 209,0   | 170,0 | 112,0 | 169,0 | 171,0   | 137,0 | -    | 141,0 | 142,0   | 112,0 | -    | 24  |
| 25   | 171,7 | 249,7   | 224,2 | 149,5 | 170,7 | 204,7   | 167,0 | 110,5 | 164,0 | 167,2   | 134,5 | 86,5 | 138,0 | 139,0   | 110,2 | -    | 25  |
| 26   | 164,5 | 249,5   | 220,5 | 148,0 | 163,5 | 200,5   | 164,0 | 109,0 | 159,0 | 163,5   | 132,0 | 85,6 | 135,0 | 136,0   | 108,5 | -    | 26  |
| 28   | 150,0 | 249,0   | 213,0 | 145,0 | 149,0 | 192,0   | 158,0 | 106,0 | 149,0 | 156,0   | 127,0 | 84,0 | 129,0 | 130,0   | 105,0 | 67,0 | 28  |
| 30   | 138,5 | 245,5   | 206,0 | 141,5 | 136,5 | 185,0   | 153,0 | 103,5 | 138,0 | 150,0   | 123,0 | 82,0 | 124,0 | 125,0   | 101,7 | 66,0 | 30  |
| 34   | 115,5 | 234,0   | 193,5 | 135,0 | 115,0 | 171,5   | 143,5 | 98,5  | 116,0 | 139,0   | 115,0 | 78,0 | 112,5 | 115,5   | 95,2  | 63,5 | 34  |
| 38   | 95,5  | 218,5   | 182,5 | 129,5 | 97,5  | 160,0   | 135,0 | 94,0  | 98,0  | 129,5   | 108,0 | 74,2 | 97,2  | 107,5   | 89,2  | 60,5 | 38  |
| 42   | 80,3  | 204,6   | 172,6 | 124,6 | 82,1  | 150,3   | 127,6 | 90,1  | 84,1  | 121,3   | 102,1 | 71,0 | 82,8  | 100,8   | 84,1  | 57,6 | 42  |
| 46   | 67,0  | 192,0   | 164,0 | 120,0 | 68,5  | 141,0   | 121,0 | 86,5  | 70,5  | 114,0   | 96,5  | 68,0 | 71,5  | 94,5    | 79,5  | 55,0 | 46  |
| 50   | 56,6  | 182,0   | 156,0 | 116,0 | 58,1  | 133,0   | 115,0 | 83,5  | 60,1  | 107,3   | 91,5  | 65,3 | 60,8  | 88,8    | 75,5  | 52,6 | 50  |
| 54   | 47,6  | 173,0   | 149,0 | 112,3 | 49,0  | 126,0   | 109,6 | 80,6  | 50,9  | 101,5   | 87,1  | 62,8 | 51,5  | 83,8    | 71,6  | 50,6 | 54  |
| 58   | 39,9  | 165,0   | 143,0 | 109,0 | 41,2  | 120,0   | 105,0 | 78,0  | 42,8  | 96,5    | 83,5  | 60,5 | 43,6  | 79,5    | 68,0  | 48,9 | 58  |
| 62   | 33,5  | 158,3   | 138,3 | 106,3 | 34,7  | 114,6   | 101,3 | 75,6  | 36,2  | 92,1    | 80,1  | 58,8 | 37,0  | 75,8    | 65,3  | 47,2 | 62  |
| 66   | 27,7  | 152,0   | 133,6 | 104,0 | 28,8  | 109,6   | 97,6  | 73,6  | 30,3  | 88,1    | 77,0  | 57,1 | 31,0  | 72,3    | 62,8  | 45,7 | 66  |
| 70   | 22,6  | 146,0   | 129,0 | 102,0 | 23,6  | 105,0   | 94,0  | 72,0  | 25,0  | 84,5    | 74,0  | 55,5 | 25,6  | 69,0    | 60,5  | 44,4 | 70  |
| 72   | 20,4  | 143,0   | 127,3 | 101,0 | 21,4  | 103,1   | 92,6  | 71,3  | 22,7  | 82,8    | 72,8  | 54,8 | 23,3  | 67,6    | 59,3  | 43,7 | 72  |
| 74   | 18,2  | 140,0   | 125,6 | -     | 19,2  | 101,3   | 91,3  | 70,6  | 20,5  | 81,1    | 71,6  | 54,1 | 21,1  | 66,3    | 58,1  | 43,1 | 74  |
| 78   | 14,3  | 130,3   | 123,0 | -     | 15,2  | 98,0    | 88,8  | 69,5  | 16,4  | 78,1    | 69,5  | 53,0 | 17,0  | 63,8    | 56,1  | 42,0 | 78  |
| 80   | 12,5  | 123,6   | 122,0 | -     | 13,4  | 96,5    | 87,6  | -     | 14,6  | 76,8    | 68,5  | 52,5 | 15,1  | 62,6    | 55,3  | 41,5 | 80  |
| 82   | 10,8  | 118,0   | -     | -     | 11,6  | 95,0    | 86,5  | -     | 12,8  | 75,5    | 67,5  | 52,0 | 13,2  | 61,5    | 54,5  | 41,1 | 82  |
| 84   | 9,2   | 114,0   | -     | -     | 10,0  | 93,8    | 85,5  | -     | 11,2  | 74,3    | 66,5  | -    | 11,6  | 60,5    | 53,6  | 40,7 | 84  |
| 86   | -     | -       | -     | -     | 8,4   | 92,6    | 84,5  | -     | 9,6   | 73,1    | 65,5  | -    | 10,0  | 59,5    | 52,8  | 40,3 | 86  |
| 88   | -     | -       | -     | -     | 6,9   | 91,5    | -     | -     | 8,0   | 72,0    | 64,5  | -    | 8,4   | 58,5    | 52,0  | 39,9 | 88  |
| 90   | -     | -       | -     | -     | 5,6   | 90,5    | -     | -     | 6,6   | 71,0    | 64,0  | -    | 7,0   | 57,5    | 51,2  | -    | 90  |
| 92   | -     | -       | -     | -     | -     | -       | -     | -     | 5,2   | 70,0    | 63,5  | -    | 5,6   | 56,5    | 50,5  | -    | 92  |
| 94   | -     | -       | -     | -     | -     | -       | -     | -     | -     | 69,0    | -     | -    | -     | 56,0    | 50,0  | -    | 94  |
| 96   | -     | -       | -     | -     | -     | -       | -     | -     | -     | 68,5    | -     | -    | -     | 55,1    | 49,6  | -    | 96  |
| 98   | -     | -       | -     | -     | -     | -       | -     | -     | -     | -       | -     | -    | -     | 54,3    | 49,3  | -    | 98  |
| 100  | -     | -       | -     | -     | -     | -       | -     | -     | -     | -       | -     | -    | -     | 53,5    | -     | -    | 100 |



| 250 t + 80 t |       | 15-33 m |       | 15-24 m |       | 9,6 m   |       | 9.8 m/s |       | 360°    |       | ISO  |       |         |       |      |     |
|--------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|------|-------|---------|-------|------|-----|
| 84 m         |       |         |       |         |       |         |       |         |       |         |       |      |       |         |       |      |     |
| 15 m         |       |         |       | 21 m    |       |         |       | 27 m    |       |         |       | 33 m |       |         |       |      |     |
| 0 t          |       | 0-450 t |       | 0 t     |       | 0-450 t |       | 0 t     |       | 0-450 t |       | 0 t  |       | 0-450 t |       |      |     |
| 15°          |       | 20°     |       | 30°     |       | 15°     |       | 20°     |       | 30°     |       | 15°  |       | 20°     |       | 30°  |     |
| m            | t     | t       | t     | t       | t     | t       | t     | t       | t     | t       | t     | t    | t     | t       | t     | t    | m   |
| 15           | 250,0 | 250,0   | -     | -       | -     | -       | -     | -       | -     | -       | -     | -    | -     | -       | -     | -    | 15  |
| 16           | 250,0 | 250,0   | 250,0 | -       | -     | -       | -     | -       | -     | -       | -     | -    | -     | -       | -     | -    | 16  |
| 17           | 243,0 | 250,0   | 250,0 | -       | 234,0 | 244,0   | -     | -       | -     | -       | -     | -    | -     | -       | -     | -    | 17  |
| 18           | 236,0 | 250,0   | 250,0 | -       | 234,0 | 244,0   | -     | -       | -     | -       | -     | -    | -     | -       | -     | -    | 18  |
| 19           | 223,5 | 250,0   | 248,5 | 160,0   | 221,5 | 238,0   | 186,0 | -       | 182,0 | 189,0   | -     | -    | -     | -       | -     | -    | 19  |
| 20           | 211,0 | 250,0   | 247,0 | 159,0   | 209,0 | 232,0   | 186,0 | -       | 182,0 | 189,0   | -     | -    | -     | -       | -     | -    | 20  |
| 21           | 201,2 | 250,0   | 243,2 | 157,2   | 199,7 | 227,2   | 182,5 | -       | 179,2 | 185,0   | 144,0 | -    | 145,0 | 151,0   | -     | -    | 21  |
| 22           | 191,5 | 250,0   | 239,5 | 155,5   | 190,5 | 222,5   | 179,0 | 114,0   | 176,5 | 181,0   | 142,0 | -    | 144,0 | 148,6   | -     | -    | 22  |
| 24           | 172,0 | 250,0   | 232,0 | 152,0   | 172,0 | 213,0   | 172,0 | 112,0   | 171,0 | 173,0   | 138,0 | -    | 142,0 | 144,0   | 112,0 | -    | 24  |
| 25           | 165,0 | 250,0   | 228,2 | 150,5   | 164,7 | 208,7   | 169,2 | 110,7   | 164,0 | 169,5   | 135,7 | 86,0 | 139,2 | 141,0   | 110,7 | -    | 25  |
| 26           | 158,0 | 250,0   | 224,5 | 149,0   | 157,5 | 204,5   | 166,5 | 109,5   | 157,0 | 166,0   | 133,5 | 85,5 | 136,5 | 138,0   | 109,5 | -    | 26  |
| 28           | 144,0 | 250,0   | 217,0 | 146,0   | 143,0 | 196,0   | 161,0 | 107,0   | 143,0 | 159,0   | 129,0 | 84,5 | 131,0 | 132,0   | 107,0 | -    | 28  |
| 29           | 137,5 | 249,5   | 213,5 | 144,5   | 137,5 | 192,5   | 158,5 | 105,7   | 137,7 | 156,0   | 126,7 | 83,5 | 128,5 | 129,5   | 105,1 | 67,0 | 29  |
| 30           | 131,0 | 249,0   | 210,0 | 143,0   | 132,0 | 189,0   | 156,0 | 104,5   | 132,5 | 153,0   | 124,5 | 82,5 | 126,0 | 127,0   | 103,2 | 66,5 | 30  |
| 34           | 109,5 | 240,0   | 197,5 | 137,0   | 110,0 | 176,0   | 146,5 | 99,7    | 111,5 | 142,0   | 116,5 | 78,5 | 112,0 | 118,0   | 96,5  | 64,0 | 34  |
| 38           | 92,2  | 224,5   | 187,0 | 131,5   | 92,2  | 164,5   | 138,0 | 95,5    | 94,5  | 132,5   | 110,0 | 75,0 | 94,2  | 110,0   | 90,7  | 61,0 | 38  |
| 42           | 76,6  | 210,6   | 177,3 | 126,6   | 78,6  | 154,3   | 130,6 | 91,6    | 81,0  | 124,3   | 104,3 | 72,0 | 79,8  | 103,0   | 85,6  | 58,1 | 42  |
| 46           | 63,0  | 198,0   | 168,0 | 122,0   | 65,0  | 145,0   | 124,0 | 88,0    | 67,0  | 117,0   | 99,0  | 69,0 | 68,5  | 97,0    | 81,0  | 55,5 | 46  |
| 50           | 53,0  | 187,3   | 160,6 | 118,0   | 54,8  | 137,0   | 118,0 | 85,0    | 56,6  | 110,3   | 94,0  | 66,3 | 57,8  | 91,3    | 77,0  | 53,5 | 50  |
| 54           | 44,1  | 178,3   | 154,0 | 114,3   | 45,7  | 130,0   | 112,6 | 82,1    | 47,4  | 104,5   | 89,5  | 63,8 | 48,4  | 86,3    | 73,3  | 51,6 | 54  |
| 58           | 36,2  | 171,0   | 148,0 | 111,0   | 37,7  | 124,0   | 108,0 | 79,5    | 39,4  | 99,5    | 85,5  | 61,5 | 40,3  | 82,0    | 70,0  | 49,8 | 58  |
| 62           | 29,8  | 164,3   | 142,6 | 108,3   | 31,2  | 118,6   | 104,0 | 77,1    | 32,8  | 95,1    | 82,1  | 59,8 | 33,7  | 78,0    | 67,0  | 48,1 | 62  |
| 66           | 24,0  | 158,0   | 137,6 | 106,0   | 25,3  | 113,6   | 100,3 | 75,1    | 26,8  | 91,0    | 79,0  | 58,1 | 27,6  | 74,5    | 64,3  | 46,6 | 66  |
| 70           | 18,8  | 152,0   | 133,0 | 104,0   | 20,0  | 109,0   | 97,0  | 73,5    | 21,5  | 87,0    | 76,0  | 56,5 | 22,2  | 71,5    | 62,0  | 45,2 | 70  |
| 74           | 14,5  | 145,3   | 129,0 | 102,0   | 15,6  | 105,0   | 93,6  | 71,8    | 17,0  | 83,6    | 73,6  | 55,1 | 17,6  | 68,5    | 59,6  | 43,9 | 74  |
| 76           | 12,4  | 142,0   | 127,0 | 101,0   | 13,4  | 103,0   | 92,0  | 71,0    | 14,8  | 82,0    | 72,5  | 54,5 | 15,4  | 67,0    | 58,5  | 43,3 | 76  |
| 78           | 10,6  | 135,6   | 125,3 | -       | 11,5  | 101,3   | 90,8  | 70,5    | 12,9  | 80,5    | 71,3  | 53,8 | 13,5  | 65,8    | 57,6  | 42,8 | 78  |
| 82           | 7,0   | 123,0   | 122,0 | -       | 7,9   | 98,0    | 88,5  | 69,5    | 9,2   | 77,5    | 69,0  | 52,5 | 9,7   | 63,5    | 56,0  | 41,8 | 82  |
| 84           | 5,3   | 116,0   | 116,0 | -       | 6,2   | 96,5    | 87,5  | -       | 7,5   | 76,2    | 68,0  | 52,2 | 8,0   | 62,2    | 55,1  | 41,3 | 84  |
| 86           | -     | 109,0   | 109,0 | -       | -     | 95,2    | 86,5  | -       | 5,9   | 75,0    | 67,0  | 52,0 | 6,4   | 61,0    | 54,3  | 40,9 | 86  |
| 88           | -     | 104,0   | -     | -       | -     | 94,0    | 85,5  | -       | -     | 74,0    | 66,5  | 51,5 | -     | 60,0    | 53,5  | 40,5 | 88  |
| 90           | -     | -       | -     | -       | -     | 92,8    | 84,5  | -       | -     | 73,0    | 65,6  | -    | -     | 59,1    | 52,8  | 40,2 | 90  |
| 92           | -     | -       | -     | -       | -     | 91,6    | -     | -       | -     | 72,0    | 64,8  | -    | -     | 58,3    | 52,1  | 39,8 | 92  |
| 94           | -     | -       | -     | -       | -     | 90,5    | -     | -       | -     | 71,0    | 64,0  | -    | -     | 57,5    | 51,5  | -    | 94  |
| 96           | -     | -       | -     | -       | -     | -       | -     | -       | -     | 70,1    | 63,5  | -    | -     | 56,6    | 50,9  | -    | 96  |
| 98           | -     | -       | -     | -       | -     | -       | -     | -       | -     | 69,3    | -     | -    | -     | 55,8    | 50,3  | -    | 98  |
| 100          | -     | -       | -     | -       | -     | -       | -     | -       | -     | 68,5    | -     | -    | -     | 55,0    | 49,8  | -    | 100 |
| 102          | -     | -       | -     | -       | -     | -       | -     | -       | -     | -       | -     | -    | -     | 54,5    | -     | -    | 102 |
| 104          | -     | -       | -     | -       | -     | -       | -     | -       | -     | -       | -     | -    | -     | 54,0    | -     | -    | 104 |



| 90 m |       |       |         |       |       |       |       |       |         |       |       |      |       |       |         |      |     |  |
|------|-------|-------|---------|-------|-------|-------|-------|-------|---------|-------|-------|------|-------|-------|---------|------|-----|--|
| 15 m |       |       | 21 m    |       |       |       |       |       | 27 m    |       |       | 33 m |       |       |         |      |     |  |
| 0 t  |       |       | 0-450 t |       |       | 0 t   |       |       | 0-450 t |       |       | 0 t  |       |       | 0-450 t |      |     |  |
| 15°  |       |       | 20°     |       | 30°   |       | 15°   |       | 20°     |       | 30°   |      | 15°   |       | 20°     |      | 30° |  |
| m    | t     | t     | t       | t     | t     | t     | t     | t     | t       | t     | t     | t    | t     | t     | t       | t    | m   |  |
| 16   | 250,0 | 250,0 | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | -     | -       | -    | 16  |  |
| 17   | 239,0 | 250,0 | 250,0   | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | -     | -       | -    | 17  |  |
| 18   | 228,0 | 250,0 | 250,0   | -     | 225,0 | 240,0 | -     | -     | -       | -     | -     | -    | -     | -     | -       | -    | 18  |  |
| 19   | 216,0 | 250,0 | 249,5   | 159,0 | 213,5 | 237,5 | 187,0 | -     | -       | -     | -     | -    | -     | -     | -       | -    | 19  |  |
| 20   | 204,0 | 250,0 | 249,0   | 159,0 | 202,0 | 235,0 | 187,0 | -     | 180,0   | 187,0 | -     | -    | -     | -     | -       | -    | 20  |  |
| 22   | 185,0 | 250,0 | 242,0   | 156,0 | 184,0 | 225,0 | 180,5 | -     | 172,5   | 181,0 | 142,0 | -    | 143,0 | 148,0 | -       | -    | 22  |  |
| 23   | 175,5 | 250,0 | 238,5   | 154,5 | 175,0 | 220,0 | 177,2 | 113,0 | 168,7   | 178,0 | 140,5 | -    | 143,0 | 146,5 | -       | -    | 23  |  |
| 24   | 166,0 | 250,0 | 235,0   | 153,0 | 166,0 | 215,0 | 174,0 | 113,0 | 165,0   | 175,0 | 139,0 | -    | 143,0 | 145,0 | 111,0   | -    | 24  |  |
| 26   | 152,0 | 250,0 | 227,5   | 150,0 | 152,0 | 207,5 | 168,5 | 110,0 | 151,5   | 168,0 | 134,5 | 86,0 | 137,5 | 139,5 | 109,0   | -    | 26  |  |
| 28   | 138,0 | 250,0 | 220,0   | 147,0 | 138,0 | 200,0 | 163,0 | 107,0 | 138,0   | 161,0 | 130,0 | 85,0 | 132,0 | 134,0 | 107,0   | -    | 28  |  |
| 29   | 132,5 | 249,5 | 216,7   | 145,7 | 132,7 | 196,2 | 160,5 | 106,0 | 132,7   | 158,2 | 128,0 | 84,0 | 128,2 | 131,5 | 105,5   | 66,5 | 29  |  |
| 30   | 127,0 | 249,0 | 213,5   | 144,5 | 127,5 | 192,5 | 158,0 | 105,0 | 127,5   | 155,5 | 126,0 | 83,0 | 124,5 | 129,0 | 104,0   | 66,3 | 30  |  |
| 34   | 107,2 | 243,0 | 201,5   | 139,0 | 106,7 | 179,0 | 148,5 | 100,7 | 108,0   | 145,0 | 118,5 | 79,2 | 108,5 | 120,0 | 98,0    | 64,5 | 34  |  |
| 38   | 89,5  | 230,5 | 191,0   | 133,5 | 89,7  | 168,0 | 140,5 | 96,5  | 90,2    | 135,5 | 112,0 | 75,7 | 91,5  | 112,0 | 92,2    | 61,5 | 38  |  |
| 42   | 73,8  | 216,3 | 181,3   | 128,6 | 76,1  | 158,3 | 133,6 | 92,8  | 75,8    | 127,3 | 106,3 | 72,6 | 77,3  | 105,0 | 87,1    | 58,8 | 42  |  |
| 46   | 60,5  | 203,0 | 172,0   | 124,0 | 62,5  | 149,0 | 127,0 | 89,5  | 64,5    | 120,0 | 101,0 | 70,0 | 66,0  | 99,0  | 82,5    | 56,5 | 46  |  |
| 50   | 50,3  | 192,3 | 164,0   | 120,0 | 52,1  | 141,0 | 121,0 | 86,1  | 54,0    | 113,3 | 96,0  | 67,3 | 55,3  | 93,6  | 78,5    | 54,1 | 50  |  |
| 54   | 41,2  | 183,0 | 157,0   | 116,3 | 42,8  | 133,6 | 115,6 | 83,3  | 44,7    | 107,3 | 91,5  | 65,0 | 45,8  | 88,6  | 74,8    | 52,1 | 54  |  |
| 58   | 33,2  | 175,0 | 151,0   | 113,0 | 34,7  | 127,0 | 111,0 | 81,0  | 36,5    | 102,0 | 87,5  | 63,0 | 37,6  | 84,0  | 71,5    | 50,5 | 58  |  |
| 62   | 26,8  | 169,0 | 146,3   | 110,3 | 28,2  | 121,6 | 106,3 | 78,6  | 29,9    | 97,6  | 84,1  | 61,0 | 30,9  | 80,0  | 68,5    | 48,8 | 62  |  |
| 66   | 21,0  | 163,0 | 141,6   | 107,6 | 22,3  | 116,6 | 102,5 | 76,5  | 24,0    | 93,5  | 81,0  | 59,1 | 24,8  | 76,5  | 65,8    | 47,3 | 66  |  |
| 70   | 15,8  | 157,0 | 137,0   | 105,0 | 17,0  | 112,0 | 99,5  | 74,5  | 18,6    | 89,5  | 78,0  | 57,5 | 19,4  | 73,5  | 63,5    | 45,9 | 70  |  |
| 74   | 11,4  | 147,0 | 133,0   | 103,0 | 12,6  | 108,0 | 96,1  | 72,8  | 14,1    | 86,1  | 75,3  | 56,1 | 14,8  | 70,5  | 61,1    | 44,7 | 74  |  |
| 78   | 7,4   | 137,0 | 129,0   | 102,0 | 8,5   | 104,0 | 93,2  | 71,5  | 10,0    | 83,0  | 73,0  | 54,8 | 10,6  | 67,8  | 59,0    | 43,5 | 78  |  |
| 80   | 5,6   | 132,0 | 127,0   | 101,0 | 6,6   | 102,0 | 92,0  | 71,0  | 8,1     | 81,5  | 72,0  | 54,1 | 8,7   | 66,6  | 58,0    | 43,0 | 80  |  |
| 82   | -     | 126,0 | 124,0   | -     | -     | 101,0 | 90,5  | 70,5  | 6,2     | 80,0  | 71,0  | 53,5 | 6,8   | 65,5  | 57,0    | 42,5 | 82  |  |
| 84   | -     | 119,6 | 118,6   | -     | -     | 99,5  | 89,5  | 70,0  | -       | 78,6  | 70,0  | 53,0 | 5,1   | 64,0  | 56,5    | 42,0 | 84  |  |
| 86   | -     | 113,3 | 113,3   | -     | -     | 98,0  | 88,5  | 69,5  | -       | 77,3  | 69,0  | 52,5 | -     | 63,0  | 55,5    | 41,6 | 86  |  |
| 90   | -     | 101,1 | 102,0   | -     | -     | 95,3  | 86,6  | -     | -       | 75,0  | 67,1  | 51,7 | -     | 61,0  | 53,8    | 40,7 | 90  |  |
| 92   | -     | 95,6  | -       | -     | -     | 94,1  | 85,8  | -     | -       | 74,0  | 66,3  | 51,5 | -     | 60,0  | 53,1    | 40,4 | 92  |  |
| 94   | -     | 92,5  | -       | -     | -     | 93,0  | 85,0  | -     | -       | 73,0  | 65,5  | -    | -     | 59,0  | 52,5    | 40,1 | 94  |  |
| 96   | -     | -     | -       | -     | -     | 90,1  | 84,0  | -     | -       | 72,0  | 64,8  | -    | -     | 58,1  | 51,8    | 39,8 | 96  |  |
| 98   | -     | -     | -       | -     | -     | 87,3  | -     | -     | -       | 71,0  | 64,1  | -    | -     | 57,3  | 51,1    | 39,5 | 98  |  |
| 100  | -     | -     | -       | -     | -     | 84,5  | -     | -     | -       | 70,0  | 63,5  | -    | -     | 56,5  | 50,5    | -    | 100 |  |
| 102  | -     | -     | -       | -     | -     | -     | -     | -     | -       | 69,2  | -     | -    | -     | 55,8  | 50,1    | -    | 102 |  |
| 104  | -     | -     | -       | -     | -     | -     | -     | -     | -       | 68,5  | -     | -    | -     | 55,1  | 49,7    | -    | 104 |  |
| 106  | -     | -     | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | 54,5  | 49,4    | -    | 106 |  |
| 108  | -     | -     | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | 54,0  | 49,0    | -    | 108 |  |
| 110  | -     | -     | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | 53,5  | -       | -    | 110 |  |
| 112  | -     | -     | -       | -     | -     | -     | -     | -     | -       | -     | -     | -    | -     | 53,0  | -       | -    | 112 |  |

0t
80t
160t
240t
320t
400t
450t

| 96 m |       |       |         |       |       |       |       |       |       |       |         |      |       |       |       |      |     |     |
|------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|---------|------|-------|-------|-------|------|-----|-----|
| 15 m |       |       | 21 m    |       |       |       | 27 m  |       |       |       | 33 m    |      |       |       |       |      |     |     |
| 0 t  |       |       | 0-450 t |       |       |       | 0 t   |       |       |       | 0-450 t |      |       |       | 0 t   |      |     |     |
| 15°  |       |       | 20°     |       | 30°   |       | 15°   |       | 20°   |       | 30°     |      | 15°   |       | 20°   |      | 30° |     |
| m    | t     | t     | t       | t     | t     | t     | t     | t     | t     | t     | t       | t    | t     | t     | t     | t    | t   | m   |
| 16   | 247,0 | 250,0 | -       | -     | -     | -     | -     | -     | -     | -     | -       | -    | -     | -     | -     | -    | -   | 16  |
| 17   | 233,0 | 250,0 | 250,0   | -     | -     | -     | -     | -     | -     | -     | -       | -    | -     | -     | -     | -    | -   | 17  |
| 18   | 219,0 | 250,0 | 250,0   | -     | 217,0 | 241,0 | -     | -     | -     | -     | -       | -    | -     | -     | -     | -    | -   | 18  |
| 20   | 196,0 | 250,0 | 250,0   | 157,0 | 195,0 | 237,0 | 185,0 | -     | 178,0 | 188,0 | -       | -    | -     | -     | -     | -    | -   | 20  |
| 22   | 178,0 | 250,0 | 244,0   | 155,0 | 177,0 | 227,5 | 180,5 | -     | 168,5 | 182,0 | 140,0   | -    | 139,0 | 146,0 | -     | -    | -   | 22  |
| 23   | 169,0 | 250,0 | 241,0   | 154,0 | 168,0 | 222,7 | 178,2 | 113,0 | 163,7 | 179,0 | 140,0   | -    | 139,0 | 146,0 | -     | -    | -   | 23  |
| 24   | 160,0 | 250,0 | 238,0   | 153,0 | 159,0 | 218,0 | 176,0 | 113,0 | 159,0 | 176,0 | 140,0   | -    | 139,0 | 146,0 | -     | -    | -   | 24  |
| 25   | 153,0 | 250,0 | 234,2   | 151,7 | 152,5 | 214,0 | 173,2 | 111,7 | 152,5 | 172,7 | 137,7   | -    | 137,5 | 143,2 | 112,0 | -    | -   | 25  |
| 26   | 146,0 | 250,0 | 230,5   | 150,5 | 146,0 | 210,0 | 170,5 | 110,5 | 146,0 | 169,5 | 135,5   | -    | 136,0 | 140,5 | 110,6 | -    | -   | 26  |
| 27   | 139,0 | 250,0 | 226,7   | 149,2 | 139,5 | 206,0 | 167,7 | 109,2 | 139,5 | 166,2 | 133,2   | 85,5 | 134,5 | 137,7 | 109,3 | -    | -   | 27  |
| 28   | 132,0 | 250,0 | 223,0   | 148,0 | 133,0 | 202,0 | 165,0 | 108,0 | 133,0 | 163,0 | 131,0   | 85,5 | 133,0 | 135,0 | 108,0 | -    | -   | 28  |
| 30   | 121,5 | 249,0 | 216,5   | 145,5 | 122,5 | 195,5 | 160,0 | 106,0 | 122,5 | 157,5 | 127,5   | 83,5 | 122,5 | 130,5 | 105,0 | 66,0 | 30  | 30  |
| 34   | 100,7 | 245,0 | 204,5   | 140,5 | 102,5 | 183,0 | 151,0 | 101,7 | 104,0 | 147,0 | 120,5   | 79,7 | 104,0 | 121,5 | 99,0  | 64,5 | 34  | 34  |
| 38   | 83,7  | 235,0 | 194,0   | 135,5 | 86,2  | 171,5 | 143,0 | 97,5  | 87,2  | 138,0 | 113,5   | 76,5 | 88,0  | 113,5 | 93,5  | 61,7 | 38  | 38  |
| 42   | 70,3  | 221,6 | 184,6   | 130,6 | 72,6  | 161,6 | 135,6 | 93,8  | 72,6  | 130,3 | 107,6   | 73,5 | 74,1  | 107,0 | 88,6  | 59,3 | 42  | 42  |
| 46   | 57,0  | 209,0 | 176,0   | 126,0 | 59,0  | 153,0 | 129,0 | 90,5  | 61,0  | 123,0 | 103,0   | 70,5 | 62,5  | 101,0 | 84,0  | 57,0 | 46  | 46  |
| 50   | 46,7  | 198,0 | 168,0   | 122,0 | 48,6  | 145,0 | 123,6 | 87,5  | 50,6  | 116,3 | 98,0    | 68,1 | 52,0  | 95,6  | 80,0  | 55,0 | 50  | 50  |
| 54   | 37,6  | 188,6 | 160,6   | 118,3 | 39,3  | 137,3 | 118,3 | 84,6  | 41,3  | 110,3 | 93,5    | 66,0 | 42,6  | 90,8  | 76,3  | 53,0 | 54  | 54  |
| 58   | 29,6  | 180,0 | 154,0   | 115,0 | 31,2  | 130,0 | 113,0 | 82,0  | 33,1  | 105,0 | 89,5    | 64,0 | 34,3  | 86,5  | 73,0  | 51,0 | 58  | 58  |
| 62   | 23,2  | 173,3 | 148,6   | 112,3 | 24,7  | 124,6 | 109,0 | 80,0  | 26,5  | 100,3 | 86,1    | 62,0 | 27,5  | 82,1  | 70,0  | 49,5 | 62  | 62  |
| 66   | 17,3  | 165,3 | 144,3   | 109,6 | 18,8  | 119,6 | 105,0 | 78,0  | 20,5  | 96,0  | 83,0    | 60,1 | 21,4  | 78,3  | 67,1  | 48,1 | 66  | 66  |
| 70   | 12,1  | 156,0 | 141,0   | 107,0 | 13,5  | 115,0 | 101,0 | 76,0  | 15,1  | 92,0  | 80,0    | 58,5 | 16,0  | 75,0  | 64,5  | 46,7 | 70  | 70  |
| 74   | 7,7   | 144,6 | 137,0   | 105,0 | 9,0   | 111,0 | 98,3  | 74,3  | 10,5  | 88,6  | 77,3    | 57,1 | 11,4  | 72,3  | 62,5  | 45,4 | 74  | 74  |
| 76   | 5,6   | 139,0 | 135,0   | 104,0 | 6,8   | 109,0 | 97,0  | 73,5  | 8,3   | 87,0  | 76,0    | 56,5 | 9,1   | 71,0  | 61,5  | 44,8 | 76  | 76  |
| 78   | -     | 134,3 | 131,6   | 103,3 | -     | 107,3 | 95,6  | 72,5  | 6,3   | 85,5  | 74,7    | 55,8 | 7,1   | 69,7  | 60,5  | 44,3 | 78  | 78  |
| 80   | -     | 129,6 | 128,3   | 102,6 | -     | 105,6 | 94,3  | 72,0  | -     | 84,0  | 73,5    | 55,1 | 5,2   | 68,5  | 59,5  | 43,8 | 80  | 80  |
| 82   | -     | 125,0 | 125,0   | 102,0 | -     | 104,0 | 93,0  | 71,5  | -     | 82,5  | 72,5    | 54,5 | -     | 67,0  | 58,5  | 43,3 | 82  | 82  |
| 84   | -     | 120,0 | 120,0   | 101,0 | -     | 102,3 | 91,8  | 70,8  | -     | 81,1  | 71,5    | 54,0 | -     | 65,8  | 57,6  | 42,8 | 84  | 84  |
| 86   | -     | 115,0 | 115,0   | -     | -     | 100,6 | 90,6  | 70,1  | -     | 79,8  | 70,5    | 53,5 | -     | 64,6  | 56,8  | 42,3 | 86  | 86  |
| 90   | -     | 104,3 | 104,5   | -     | -     | 97,6  | 88,5  | 69,0  | -     | 77,3  | 68,6    | 52,5 | -     | 62,5  | 55,1  | 41,4 | 90  | 90  |
| 94   | -     | 93,0  | 93,5    | -     | -     | 95,0  | 86,5  | -     | -     | 75,0  | 67,0    | 51,5 | -     | 60,5  | 53,5  | 40,7 | 94  | 94  |
| 96   | -     | 87,6  | -       | -     | -     | 91,1  | 85,6  | -     | -     | 74,0  | 66,2    | 51,5 | -     | 59,6  | 52,8  | 40,3 | 96  | 96  |
| 98   | -     | 83,8  | -       | -     | -     | 87,3  | 84,8  | -     | -     | 73,0  | 65,5    | -    | -     | 58,8  | 52,1  | 40,0 | 98  | 98  |
| 100  | -     | 81,0  | -       | -     | -     | 83,5  | 84,0  | -     | -     | 72,0  | 64,5    | -    | -     | 58,0  | 51,5  | 39,7 | 100 | 100 |
| 102  | -     | -     | -       | -     | -     | 79,0  | -     | -     | -     | 71,1  | 64,0    | -    | -     | 57,3  | 51,0  | -    | 102 | 102 |
| 104  | -     | -     | -       | -     | -     | 76,5  | -     | -     | -     | 70,3  | 63,5    | -    | -     | 56,6  | 50,5  | -    | 104 | 104 |
| 106  | -     | -     | -       | -     | -     | -     | -     | -     | -     | 69,5  | -       | -    | -     | 56,0  | 50,0  | -    | 106 | 106 |
| 108  | -     | -     | -       | -     | -     | -     | -     | -     | -     | 69,0  | -       | -    | -     | 55,3  | 49,8  | -    | 108 | 108 |
| 110  | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | -       | -    | -     | 54,6  | 49,4  | -    | 110 | 110 |
| 112  | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | -       | -    | -     | 54,0  | 49,0  | -    | 112 | 112 |
| 114  | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | -       | -    | -     | 53,5  | -     | -    | 114 | 114 |
| 116  | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | -       | -    | -     | 53,0  | -     | -    | 116 | 116 |

0t
80t
160t
240t
320t
400t
450t

# SSL/LSL+LF, SSL/LSL S1+LF

CC 6800-1

| 250 t + 80 t                     |       | 15-33 m |       | 15-24 m |       | 9,6 m |       | 9.8 m/s |       | 360°  |       | ISO   |       |       |       |      |     |
|----------------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|------|-----|
| 102 m                            |       |         |       |         |       |       |       |         |       |       |       |       |       |       |       |      |     |
| * SSL/LSL+LF    ** SSL/LSL S1+LF |       |         |       |         |       |       |       |         |       |       |       |       |       |       |       |      |     |
| **                               |       |         |       | *       |       | **    |       | *       |       | **    |       | *     |       |       |       |      |     |
| 15 m                             |       |         |       | 21 m    |       |       |       | 27 m    |       |       |       | 33 m  |       |       |       |      |     |
| 0 t                              |       | 0 t     |       | 0-450 t |       |       |       |         |       |       |       |       |       |       |       |      |     |
| 15°                              |       | 20°     |       | 30°     |       | 15°   |       | 20°     |       | 30°   |       | 15°   |       | 20°   |       | 30°  |     |
| m                                | t     | t       | t     | t       | t     | t     | t     | t       | t     | t     | t     | t     | t     | t     | t     | t    | m   |
| 17                               | 226,0 | 250,0   | 224,0 | 250,0   | -     | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | -    | 17  |
| 18                               | 213,0 | 250,0   | 212,0 | 250,0   | 250,0 | 249,0 | -     | -       | -     | -     | -     | -     | -     | -     | -     | -    | 18  |
| 19                               | 202,0 | 250,0   | 200,5 | 250,0   | 250,0 | 247,0 | -     | -       | 235,0 | 227,0 | -     | -     | -     | -     | -     | -    | 19  |
| 20                               | 191,0 | 250,0   | 189,0 | 250,0   | 250,0 | 245,0 | 171,0 | 154,0   | 235,0 | 227,0 | 176,0 | -     | -     | -     | -     | -    | 20  |
| 21                               | 182,2 | 250,0   | 180,2 | 250,0   | 250,0 | 241,5 | 170,0 | 153,0   | 234,0 | 223,0 | 174,7 | -     | 183,0 | 175,0 | -     | -    | 21  |
| 22                               | 173,5 | 250,0   | 171,5 | 250,0   | 250,0 | 238,0 | 169,0 | 152,0   | 233,0 | 219,0 | 173,5 | -     | 183,0 | 172,6 | -     | -    | 22  |
| 23                               | 164,7 | 250,0   | 162,7 | 250,0   | 250,0 | 234,5 | 168,0 | 151,0   | 232,0 | 215,0 | 172,2 | -     | 183,0 | 170,3 | 134,0 | -    | 23  |
| 24                               | 156,0 | 250,0   | 154,0 | 250,0   | 250,0 | 231,0 | 167,0 | 150,0   | 231,0 | 211,0 | 171,0 | 110,0 | 183,0 | 168,0 | 134,0 | -    | 24  |
| 26                               | 143,0 | 250,0   | 141,0 | 250,0   | 247,0 | 224,5 | 165,0 | 148,0   | 224,5 | 204,0 | 166,0 | 108,0 | 179,5 | 162,5 | 131,0 | -    | 26  |
| 27                               | 136,5 | 250,0   | 134,5 | 250,0   | 245,5 | 221,2 | 164,0 | 147,0   | 221,2 | 200,5 | 163,5 | 107,0 | 177,7 | 159,7 | 129,5 | 82,5 | 27  |
| 28                               | 130,0 | 250,0   | 128,0 | 250,0   | 244,0 | 218,0 | 163,0 | 146,0   | 218,0 | 197,0 | 161,0 | 106,0 | 176,0 | 157,0 | 128,0 | 82,5 | 28  |
| 30                               | 119,5 | 250,0   | 117,5 | 250,0   | 237,5 | 212,5 | 160,5 | 143,5   | 211,0 | 190,5 | 156,5 | 104,0 | 170,0 | 152,0 | 124,5 | 81,2 | 30  |
| 34                               | 100,0 | 250,0   | 97,7  | 243,0   | 225,0 | 201,5 | 156,0 | 139,0   | 198,0 | 178,5 | 148,0 | 100,0 | 159,0 | 142,5 | 117,5 | 78,5 | 34  |
| 38                               | 84,2  | 246,5   | 81,7  | 229,5   | 213,5 | 191,5 | 152,0 | 134,5   | 186,5 | 168,5 | 140,5 | 96,2  | 149,5 | 134,0 | 111,5 | 75,2 | 38  |
| 42                               | 70,6  | 237,0   | 68,1  | 217,0   | 203,3 | 182,6 | 147,6 | 129,6   | 176,0 | 159,6 | 134,0 | 92,8  | 141,3 | 126,6 | 106,0 | 71,8 | 42  |
| 46                               | 57,0  | 227,0   | 54,5  | 205,0   | 194,0 | 174,0 | 143,0 | 125,0   | 166,0 | 151,0 | 128,0 | 89,5  | 134,0 | 120,0 | 100,0 | 68,5 | 46  |
| 50                               | 46,8  | 217,6   | 44,4  | 195,0   | 185,3 | 166,6 | 139,0 | 121,0   | 158,0 | 143,6 | 122,6 | 86,8  | 127,3 | 114,0 | 95,3  | 65,8 | 50  |
| 54                               | 37,8  | 208,6   | 35,4  | 186,0   | 177,6 | 160,0 | 134,6 | 117,6   | 150,3 | 136,6 | 117,3 | 84,1  | 120,6 | 108,3 | 91,0  | 63,5 | 54  |
| 58                               | 29,8  | 200,0   | 27,4  | 178,0   | 171,0 | 154,0 | 130,0 | 115,0   | 143,0 | 130,0 | 112,0 | 81,5  | 114,0 | 103,0 | 87,0  | 61,5 | 58  |
| 62                               | 23,3  | 184,6   | 21,0  | 171,3   | 165,0 | 148,6 | 126,6 | 111,6   | 137,0 | 124,6 | 108,0 | 78,8  | 108,6 | 98,3  | 83,3  | 59,5 | 62  |
| 66                               | 17,5  | 170,0   | 15,2  | 163,6   | 159,6 | 144,0 | 123,3 | 109,0   | 131,6 | 119,6 | 104,0 | 76,5  | 103,8 | 93,8  | 79,8  | 57,5 | 66  |
| 70                               | 12,3  | 156,0   | 10,0  | 155,0   | 155,0 | 140,0 | 120,0 | 107,0   | 127,0 | 115,0 | 100,0 | 74,5  | 99,5  | 89,5  | 76,5  | 55,5 | 70  |
| 74                               | 7,9   | 144,6   | 5,5   | 143,0   | 145,0 | 136,8 | 117,3 | 105,4   | 122,3 | 111,0 | 96,8  | 72,5  | 95,5  | 86,0  | 73,8  | 54,1 | 74  |
| 76                               | 5,7   | 139,0   | -     | 138,0   | 140,0 | 135,0 | 116,0 | 104,0   | 120,0 | 109,0 | 95,0  | 71,5  | 93,5  | 84,0  | 72,5  | 53,5 | 76  |
| 78                               | -     | 134,3   | -     | 133,0   | 135,0 | 131,3 | 115,0 | 103,0   | 118,0 | 107,0 | 93,5  | 71,1  | 91,6  | 82,7  | 71,5  | 52,8 | 78  |
| 82                               | -     | 125,0   | -     | 123,0   | 125,0 | 124,0 | 113,0 | 101,0   | 114,0 | 103,0 | 90,5  | 69,5  | 88,0  | 79,5  | 69,0  | 51,5 | 82  |
| 86                               | -     | 117,0   | -     | 115,0   | 117,0 | 115,3 | 111,0 | 99,6    | 110,0 | 100,0 | 88,1  | 68,1  | 85,0  | 76,8  | 67,0  | 50,5 | 86  |
| 88                               | -     | 113,0   | -     | 111,0   | 113,0 | 111,0 | 110,0 | 99,0    | 108,0 | 98,5  | 87,0  | 67,5  | 83,5  | 75,5  | 66,0  | 50,0 | 88  |
| 89                               | -     | 110,5   | -     | 108,5   | 110,6 | 108,6 | -     | 98,5    | 107,0 | 97,7  | 86,4  | 67,2  | 82,8  | 74,9  | 65,5  | 49,8 | 89  |
| 90                               | -     | 108,1   | -     | 106,0   | 108,3 | 106,3 | -     | -       | 106,0 | 97,0  | 85,8  | 67,0  | 82,1  | 74,3  | 65,0  | 49,6 | 90  |
| 94                               | -     | 98,5    | -     | 96,0    | 99,0  | 97,0  | -     | -       | 102,0 | 94,0  | 83,5  | 66,0  | 79,5  | 72,0  | 63,0  | 48,8 | 94  |
| 95                               | -     | 96,0    | -     | 93,5    | 96,5  | 94,5  | -     | -       | 99,7  | 92,7  | 83,1  | 66,0  | 79,0  | 71,4  | 63,0  | 48,6 | 95  |
| 98                               | -     | 88,5    | -     | 86,3    | 89,0  | 87,0  | -     | -       | 93,0  | 89,0  | 81,9  | -     | 77,5  | 69,6  | 61,6  | 48,1 | 98  |
| 100                              | -     | 83,5    | -     | 81,5    | 84,0  | 82,0  | -     | -       | 88,5  | 86,5  | 81,0  | -     | 76,5  | 68,5  | 61,0  | 47,8 | 100 |
| 102                              | -     | 78,7    | -     | 76,9    | -     | -     | -     | -       | 84,0  | 82,0  | 79,7  | -     | 75,5  | 67,7  | 60,3  | -    | 102 |
| 104                              | -     | 76,0    | -     | 74,3    | -     | -     | -     | -       | 79,5  | 77,5  | 78,5  | -     | 74,5  | 66,9  | 59,6  | -    | 104 |
| 105                              | -     | -       | -     | 73,0    | -     | -     | -     | -       | 77,5  | 75,2  | 76,2  | -     | 74,0  | 66,5  | 59,3  | -    | 105 |
| 106                              | -     | -       | -     | -       | -     | -     | -     | -       | 75,5  | 73,0  | 74,0  | -     | 73,5  | 66,0  | 59,0  | -    | 106 |
| 108                              | -     | -       | -     | -       | -     | -     | -     | -       | 71,5  | 70,3  | -     | -     | 72,5  | 65,3  | 58,6  | -    | 108 |
| 110                              | -     | -       | -     | -       | -     | -     | -     | -       | 68,1  | 68,1  | -     | -     | 70,5  | 64,6  | 58,3  | -    | 110 |
| 111                              | -     | -       | -     | -       | -     | -     | -     | -       | 67,0  | 67,0  | -     | -     | 69,5  | 64,3  | 58,1  | -    | 111 |
| 112                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | 68,5  | 64,0  | 58,0  | -    | 112 |
| 114                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | 66,0  | 62,8  | -     | -    | 114 |
| 116                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | 64,0  | 61,6  | -     | -    | 116 |
| 117                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | -     | 61,0  | -     | -    | 117 |
| 118                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | 54,5 | 118 |
| 120                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | 54,0 | 120 |
| 122                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | 48,2 | 122 |

0t 80t 160t 240t 320t 400t 450t



# SSL/LSL+LF, SSL/LSL S1+LF

CC 6800-1

| 250 t + 80 t                     |       | 15-33 m |       | 15-24 m |       | 9,6 m |       | 9.8 m/s |       | 360°  |       | ISO   |       |       |       |      |     |
|----------------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|------|-----|
| 108 m                            |       |         |       |         |       |       |       |         |       |       |       |       |       |       |       |      |     |
| * SSL/LSL+LF    ** SSL/LSL S1+LF |       |         |       |         |       |       |       |         |       |       |       |       |       |       |       |      |     |
| **                               |       |         |       | *       |       | **    |       | *       |       | **    |       | *     |       |       |       |      |     |
| 15 m                             |       |         |       | 21 m    |       |       |       | 27 m    |       |       |       | 33 m  |       |       |       |      |     |
| 0 t                              |       | 0 t     |       | 0-450 t |       |       |       |         |       |       |       |       |       |       |       |      |     |
| 15°                              |       | 20°     |       | 30°     |       | 15°   |       | 20°     |       | 30°   |       | 15°   |       | 20°   |       | 30°  |     |
| m                                | t     | t       | t     | t       | t     | t     | t     | t       | t     | t     | t     | t     | t     | t     | t     | t    | m   |
| 17                               | 217,0 | 250,0   | 215,0 | 250,0   | -     | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | -    | 17  |
| 18                               | 205,0 | 250,0   | 203,0 | 250,0   | 250,0 | 247,0 | -     | -       | -     | -     | -     | -     | -     | -     | -     | -    | 18  |
| 19                               | 194,5 | 250,0   | 192,0 | 250,0   | 250,0 | 247,0 | -     | -       | 222,0 | 222,0 | -     | -     | -     | -     | -     | -    | 19  |
| 20                               | 184,0 | 250,0   | 181,0 | 250,0   | 250,0 | 247,0 | -     | -       | 222,0 | 222,0 | -     | -     | -     | -     | -     | -    | 20  |
| 21                               | 175,5 | 250,0   | 172,5 | 250,0   | 250,0 | 243,5 | 170,0 | 153,0   | 222,0 | 219,5 | 177,0 | -     | 176,0 | 172,0 | -     | -    | 21  |
| 22                               | 167,0 | 250,0   | 164,0 | 250,0   | 250,0 | 240,0 | 169,0 | 152,0   | 222,0 | 217,0 | 175,3 | -     | 175,6 | 171,0 | -     | -    | 22  |
| 23                               | 158,5 | 250,0   | 155,5 | 250,0   | 250,0 | 236,5 | 168,0 | 151,0   | 222,0 | 214,5 | 173,6 | -     | 175,3 | 170,0 | 134,0 | -    | 23  |
| 24                               | 150,0 | 250,0   | 147,0 | 250,0   | 250,0 | 233,0 | 167,0 | 150,0   | 222,0 | 212,0 | 172,0 | 109,0 | 175,0 | 169,0 | 134,0 | -    | 24  |
| 26                               | 137,0 | 250,0   | 134,0 | 250,0   | 247,0 | 226,5 | 165,0 | 148,0   | 220,5 | 205,5 | 167,0 | 108,0 | 175,0 | 163,5 | 131,5 | -    | 26  |
| 28                               | 124,0 | 250,0   | 121,0 | 250,0   | 244,0 | 220,0 | 163,0 | 146,0   | 219,0 | 199,0 | 162,0 | 107,0 | 175,0 | 158,0 | 129,0 | 83,0 | 28  |
| 30                               | 114,0 | 250,0   | 111,0 | 249,0   | 239,0 | 214,5 | 161,0 | 144,0   | 213,5 | 192,5 | 158,0 | 104,5 | 170,5 | 153,0 | 125,5 | 81,7 | 30  |
| 31                               | 109,0 | 250,0   | 106,0 | 248,5   | 236,5 | 211,7 | 160,0 | 143,0   | 211,2 | 189,2 | 156,0 | 103,2 | 168,2 | 150,5 | 123,7 | 81,1 | 31  |
| 34                               | 95,7  | 250,0   | 92,5  | 243,5   | 228,0 | 203,5 | 157,0 | 139,5   | 203,0 | 180,5 | 150,0 | 100,5 | 161,5 | 144,0 | 118,5 | 79,0 | 34  |
| 38                               | 80,7  | 249,5   | 77,5  | 232,0   | 216,0 | 193,5 | 153,0 | 135,0   | 191,5 | 170,5 | 142,5 | 97,2  | 152,5 | 136,0 | 112,5 | 75,7 | 38  |
| 42                               | 67,1  | 241,6   | 64,1  | 219,6   | 205,6 | 184,6 | 149,0 | 130,6   | 181,0 | 161,6 | 136,0 | 93,8  | 144,0 | 128,3 | 107,3 | 72,5 | 42  |
| 46                               | 53,5  | 231,0   | 50,5  | 209,0   | 197,0 | 176,0 | 145,0 | 126,0   | 171,0 | 153,0 | 130,0 | 90,5  | 136,0 | 121,0 | 102,0 | 69,5 | 46  |
| 50                               | 43,3  | 221,6   | 40,2  | 199,0   | 189,0 | 168,6 | 140,3 | 122,6   | 162,3 | 145,6 | 124,0 | 87,8  | 129,3 | 115,6 | 97,3  | 66,8 | 50  |
| 54                               | 34,2  | 211,0   | 31,1  | 189,6   | 181,6 | 162,0 | 136,0 | 119,3   | 154,3 | 138,6 | 118,6 | 85,1  | 123,0 | 110,3 | 92,8  | 64,3 | 54  |
| 58                               | 26,2  | 199,0   | 23,1  | 181,0   | 175,0 | 156,0 | 132,0 | 116,0   | 147,0 | 132,0 | 114,0 | 82,5  | 117,0 | 105,0 | 88,5  | 62,0 | 58  |
| 62                               | 19,7  | 182,3   | 16,6  | 174,3   | 169,0 | 150,6 | 128,6 | 112,6   | 141,0 | 126,6 | 110,0 | 80,1  | 111,6 | 100,6 | 84,8  | 60,0 | 62  |
| 66                               | 13,8  | 167,3   | 10,7  | 164,3   | 162,0 | 146,0 | 125,3 | 110,0   | 135,6 | 121,6 | 106,0 | 77,8  | 106,6 | 96,3  | 81,5  | 58,1 | 66  |
| 70                               | 8,6   | 154,0   | 5,5   | 151,0   | 154,0 | 142,0 | 122,0 | 108,0   | 131,0 | 117,0 | 102,0 | 75,5  | 102,0 | 92,0  | 78,5  | 56,5 | 70  |
| 72                               | 6,3   | 148,0   | -     | 145,3   | 148,0 | 139,8 | 121,0 | 107,0   | 128,5 | 115,0 | 100,5 | 74,5  | 100,0 | 90,1  | 77,0  | 55,7 | 72  |
| 74                               | -     | 142,5   | -     | 139,6   | 142,5 | 137,4 | 119,5 | 106,0   | 126,0 | 113,0 | 99,0  | 73,7  | 98,0  | 88,3  | 75,5  | 55,0 | 74  |
| 78                               | -     | 132,0   | -     | 129,3   | 132,3 | 130,0 | 116,6 | 104,3   | 121,6 | 109,3 | 96,0  | 72,1  | 94,1  | 84,8  | 72,8  | 53,3 | 78  |
| 82                               | -     | 122,0   | -     | 120,0   | 123,0 | 120,0 | 114,0 | 103,0   | 117,0 | 106,0 | 93,0  | 70,5  | 90,5  | 81,5  | 70,5  | 52,0 | 82  |
| 86                               | -     | 114,0   | -     | 111,3   | 114,3 | 112,0 | 112,0 | 101,0   | 112,3 | 102,6 | 90,3  | 69,1  | 87,5  | 78,8  | 68,5  | 51,0 | 86  |
| 90                               | -     | 106,1   | -     | 103,1   | 106,5 | 104,0 | 107,0 | 99,2    | 106,6 | 99,5  | 87,8  | 67,8  | 84,6  | 76,1  | 66,5  | 50,1 | 90  |
| 92                               | -     | 102,3   | -     | 99,3    | 103,0 | 100,0 | 103,0 | 98,4    | 103,3 | 98,0  | 86,6  | 67,1  | 83,3  | 74,8  | 65,5  | 49,7 | 92  |
| 93                               | -     | 100,4   | -     | 97,4    | 101,2 | 98,0  | -     | 98,0    | 101,6 | 97,2  | 86,0  | 66,8  | 82,6  | 74,1  | 65,0  | 49,5 | 93  |
| 94                               | -     | 98,5    | -     | 95,5    | 99,5  | 96,0  | -     | -       | 100,0 | 96,5  | 85,5  | 66,5  | 82,0  | 73,5  | 64,5  | 49,3 | 94  |
| 98                               | -     | 89,1    | -     | 86,2    | 90,1  | 86,6  | -     | -       | 92,3  | 90,0  | 83,5  | 65,7  | 79,6  | 71,5  | 62,8  | 48,5 | 98  |
| 99                               | -     | 86,8    | -     | 83,8    | 87,8  | 84,3  | -     | -       | 90,4  | 87,7  | 83,0  | 65,5  | 79,0  | 71,0  | 62,4  | 48,3 | 99  |
| 102                              | -     | 80,1    | -     | 77,1    | 81,0  | 77,6  | -     | -       | 84,3  | 81,3  | 79,6  | -     | 77,5  | 69,5  | 61,3  | 47,9 | 102 |
| 104                              | -     | 75,8    | -     | 72,8    | 76,5  | 73,2  | -     | -       | 80,1  | 77,1  | 76,8  | -     | 76,5  | 68,5  | 60,6  | 47,6 | 104 |
| 105                              | -     | 73,6    | -     | 70,6    | -     | 71,0  | -     | -       | 78,0  | 75,0  | 75,4  | -     | 76,0  | 68,0  | 60,3  | 47,5 | 105 |
| 106                              | -     | 71,5    | -     | 68,5    | -     | -     | -     | -       | 76,0  | 73,0  | 74,0  | -     | 75,5  | 67,5  | 60,0  | -    | 106 |
| 108                              | -     | 68,5    | -     | 66,2    | -     | -     | -     | -       | 72,0  | 69,1  | 70,0  | -     | 73,3  | 66,8  | 59,5  | -    | 108 |
| 110                              | -     | -       | -     | 64,0    | -     | -     | -     | -       | 68,0  | 65,3  | 66,0  | -     | 71,1  | 66,1  | 59,0  | -    | 110 |
| 111                              | -     | -       | -     | -       | -     | -     | -     | -       | 66,0  | 63,5  | 64,0  | -     | 70,0  | 65,8  | 58,7  | -    | 111 |
| 114                              | -     | -       | -     | -       | -     | -     | -     | -       | 62,5  | 60,2  | -     | -     | 65,3  | 62,1  | 58,1  | -    | 114 |
| 116                              | -     | -       | -     | -       | -     | -     | -     | -       | 60,5  | 58,0  | -     | -     | 61,6  | 59,0  | 57,7  | -    | 116 |
| 117                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | 60,5  | 58,0  | 57,5  | -    | 117 |
| 118                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | 59,5  | 57,0  | -     | -    | 118 |
| 120                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | 57,5  | 54,8  | -     | -    | 120 |
| 122                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | -     | 52,5  | -     | -    | 122 |
| 123                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | 54,2 | 123 |
| 126                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | 51,8 | 126 |
| 128                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | 49,7 | 128 |

0t 80t 160t 240t 320t 400t 450t

# SSL/LSL+LF, SSL/LSL S1+LF

CC 6800-1

| 114 m        |       |       |       |       |       |       |       |       |       |                  |       |       |       |       |       |       |   |       |       |     |     |  |  |  |     |  |  |  |  |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|-------|-------|-------|-------|-------|-------|---|-------|-------|-----|-----|--|--|--|-----|--|--|--|--|
| * SSL/LSL+LF |       |       |       |       |       |       |       |       |       | ** SSL/LSL S1+LF |       |       |       |       |       |       |   |       |       |     |     |  |  |  |     |  |  |  |  |
| **           |       |       |       |       | *     |       |       |       |       | **               |       |       |       |       | *     |       |   |       |       |     |     |  |  |  |     |  |  |  |  |
| 15 m         |       |       |       |       | 21 m  |       |       |       |       | 27 m             |       |       |       |       | 33 m  |       |   |       |       |     |     |  |  |  |     |  |  |  |  |
| 0 t - 450 t  |       |       |       |       |       |       |       |       |       | 0-450 t          |       |       |       |       |       |       |   |       |       |     |     |  |  |  |     |  |  |  |  |
| 15°          |       |       |       |       | 20°   |       |       |       |       | 30°              |       |       |       |       | 15°   |       |   |       |       | 20° |     |  |  |  | 30° |  |  |  |  |
| m            | t     | t     | t     | t     | t     | t     | t     | t     | t     | t                | t     | t     | t     | t     | t     | t     | t | t     | m     |     |     |  |  |  |     |  |  |  |  |
| 18           | 198,0 | 250,0 | 197,0 | 248,0 | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -     | - | -     | 18    |     |     |  |  |  |     |  |  |  |  |
| 19           | 187,5 | 250,0 | 186,5 | 248,0 | 246,0 | 228,0 | -     | -     | -     | -                | -     | -     | -     | -     | -     | -     | - | -     | 19    |     |     |  |  |  |     |  |  |  |  |
| 20           | 177,0 | 250,0 | 176,0 | 248,0 | 246,0 | 228,0 | -     | -     | 211,0 | 202,0            | -     | -     | -     | -     | -     | -     | - | -     | 20    |     |     |  |  |  |     |  |  |  |  |
| 21           | 168,7 | 250,0 | 167,7 | 248,0 | 245,7 | 228,0 | 169,0 | 156,0 | 211,0 | 202,0            | 182,0 | -     | -     | -     | -     | -     | - | -     | 21    |     |     |  |  |  |     |  |  |  |  |
| 22           | 160,5 | 250,0 | 159,5 | 248,0 | 245,5 | 228,0 | 168,3 | 155,3 | 211,0 | 202,0            | 181,3 | -     | -     | 168,0 | 166,0 | -     | - | -     | 22    |     |     |  |  |  |     |  |  |  |  |
| 24           | 144,0 | 250,0 | 143,0 | 248,0 | 245,0 | 228,0 | 167,0 | 154,0 | 211,0 | 202,0            | 180,0 | -     | -     | 168,0 | 166,0 | 140,0 | - | 135,0 | 133,0 | 24  |     |  |  |  |     |  |  |  |  |
| 25           | 137,7 | 250,0 | 136,7 | 248,0 | 244,0 | 227,5 | 165,7 | 153,0 | 211,0 | 202,0            | 177,7 | 115,0 | 168,0 | 165,5 | 138,7 | -     | - | 134,7 | 133,0 | 25  |     |  |  |  |     |  |  |  |  |
| 26           | 131,5 | 250,0 | 130,5 | 248,0 | 243,0 | 227,0 | 164,5 | 152,0 | 211,0 | 202,0            | 175,5 | 114,0 | 168,0 | 165,0 | 137,5 | -     | - | 134,5 | 133,0 | 26  |     |  |  |  |     |  |  |  |  |
| 27           | 125,2 | 250,0 | 124,2 | 248,0 | 242,0 | 226,5 | 163,2 | 151,0 | 211,0 | 202,0            | 173,2 | 113,0 | 168,0 | 164,5 | 136,2 | -     | - | 134,2 | 133,0 | 27  |     |  |  |  |     |  |  |  |  |
| 28           | 119,0 | 250,0 | 118,0 | 248,0 | 241,0 | 226,0 | 162,0 | 150,0 | 211,0 | 202,0            | 171,0 | 112,0 | 168,0 | 164,0 | 135,0 | 85,5  | - | 134,0 | 133,0 | 28  |     |  |  |  |     |  |  |  |  |
| 30           | 109,5 | 250,0 | 108,2 | 248,0 | 237,5 | 223,5 | 160,5 | 148,0 | 210,0 | 199,0            | 167,0 | 109,5 | 166,5 | 160,5 | 130,5 | 83,5  | - | 134,0 | 131,5 | 30  |     |  |  |  |     |  |  |  |  |
| 32           | 100,0 | 250,0 | 98,5  | 248,0 | 234,0 | 221,0 | 159,0 | 146,0 | 210,0 | 196,0            | 163,0 | 107,0 | 165,0 | 157,0 | 126,0 | 81,5  | - | 134,0 | 130,0 | 32  |     |  |  |  |     |  |  |  |  |
| 34           | 92,0  | 250,0 | 90,5  | 248,0 | 229,0 | 216,0 | 157,0 | 144,5 | 204,5 | 190,5            | 158,0 | 104,5 | 161,5 | 152,5 | 122,5 | 79,7  | - | 132,5 | 126,0 | 34  |     |  |  |  |     |  |  |  |  |
| 38           | 75,5  | 250,0 | 74,0  | 241,0 | 218,5 | 206,5 | 153,0 | 141,5 | 193,5 | 180,0            | 149,0 | 100,0 | 154,0 | 144,0 | 115,5 | 76,2  | - | 128,0 | 118,0 | 38  |     |  |  |  |     |  |  |  |  |
| 42           | 61,5  | 245,6 | 60,0  | 229,0 | 208,6 | 197,6 | 149,3 | 137,6 | 183,3 | 171,3            | 141,3 | 96,1  | 146,3 | 135,6 | 109,3 | 73,0  | - | 121,6 | 110,6 | 42  |     |  |  |  |     |  |  |  |  |
| 46           | 50,5  | 237,0 | 49,2  | 218,0 | 200,0 | 189,0 | 146,0 | 133,0 | 174,0 | 162,0            | 134,0 | 92,5  | 139,0 | 127,0 | 104,0 | 70,0  | - | 115,0 | 104,0 | 46  |     |  |  |  |     |  |  |  |  |
| 50           | 40,3  | 226,0 | 38,9  | 208,6 | 192,0 | 181,6 | 142,0 | 129,0 | 165,3 | 154,6            | 128,0 | 89,5  | 132,3 | 120,3 | 99,0  | 67,3  | - | 108,3 | 98,0  | 50  |     |  |  |  |     |  |  |  |  |
| 54           | 31,2  | 213,0 | 29,7  | 201,6 | 184,6 | 173,6 | 138,0 | 125,0 | 157,6 | 147,3            | 122,3 | 86,5  | 126,0 | 114,0 | 94,5  | 64,8  | - | 102,5 | 92,6  | 54  |     |  |  |  |     |  |  |  |  |
| 58           | 23,2  | 197,0 | 21,7  | 195,0 | 178,0 | 167,0 | 134,0 | 121,0 | 151,0 | 140,0            | 117,0 | 83,5  | 120,0 | 108,0 | 90,5  | 62,5  | - | 97,5  | 88,0  | 58  |     |  |  |  |     |  |  |  |  |
| 62           | 16,7  | 180,3 | 15,2  | 179,0 | 172,0 | 161,0 | 130,6 | 117,6 | 144,3 | 133,3            | 112,3 | 81,1  | 114,6 | 103,3 | 86,5  | 60,5  | - | 92,8  | 83,6  | 62  |     |  |  |  |     |  |  |  |  |
| 66           | 10,8  | 165,0 | 9,3   | 163,8 | 163,3 | 155,2 | 127,3 | 114,4 | 138,6 | 127,6            | 108,0 | 78,8  | 109,3 | 98,8  | 83,0  | 58,6  | - | 88,5  | 79,6  | 66  |     |  |  |  |     |  |  |  |  |
| 69           | 6,8   | 154,5 | 5,3   | 153,0 | 154,8 | 151,0 | 124,8 | 112,0 | 135,1 | 124,0            | 105,0 | 77,0  | 105,3 | 95,5  | 80,7  | 57,4  | - | 85,5  | 76,9  | 69  |     |  |  |  |     |  |  |  |  |
| 70           | 5,5   | 151,0 | -     | 150,0 | 152,0 | 149,0 | 124,0 | 111,0 | 134,0 | 122,0            | 104,0 | 76,5  | 104,0 | 94,5  | 80,0  | 57,0  | - | 84,5  | 76,0  | 70  |     |  |  |  |     |  |  |  |  |
| 74           | -     | 139,6 | -     | 138,6 | 140,6 | 139,0 | 121,5 | 109,2 | 129,0 | 117,3            | 101,3 | 74,8  | 100,3 | 90,5  | 77,0  | 55,6  | - | 81,1  | 72,6  | 74  |     |  |  |  |     |  |  |  |  |
| 78           | -     | 129,3 | -     | 128,3 | 130,0 | 129,0 | 118,6 | 106,6 | 125,0 | 113,0            | 98,0  | 73,1  | 96,6  | 87,0  | 74,3  | 54,3  | - | 77,8  | 69,6  | 78  |     |  |  |  |     |  |  |  |  |
| 82           | -     | 120,0 | -     | 119,0 | 120,0 | 119,0 | 116,0 | 104,0 | 121,0 | 109,0            | 95,0  | 71,5  | 93,0  | 84,0  | 72,0  | 53,0  | - | 74,5  | 67,0  | 82  |     |  |  |  |     |  |  |  |  |
| 86           | -     | 111,3 | -     | 110,3 | 112,0 | 111,0 | 110,6 | 102,6 | 112,3 | 105,6            | 92,3  | 69,8  | 89,6  | 81,0  | 69,6  | 51,6  | - | 71,8  | 64,3  | 86  |     |  |  |  |     |  |  |  |  |
| 90           | -     | 103,6 | -     | 102,6 | 104,3 | 103,3 | 104,5 | 100,1 | 104,5 | 101,5            | 89,8  | 68,7  | 86,6  | 78,1  | 67,6  | 50,6  | - | 69,5  | 62,0  | 90  |     |  |  |  |     |  |  |  |  |
| 94           | -     | 97,0  | -     | 96,0  | 97,0  | 96,0  | 97,5  | 96,5  | 97,5  | 96,5             | 87,5  | 67,5  | 84,0  | 75,5  | 66,0  | 49,8  | - | 67,0  | 60,0  | 94  |     |  |  |  |     |  |  |  |  |
| 96           | -     | 93,5  | -     | 91,9  | 94,0  | 92,4  | 94,5  | 93,5  | 94,5  | 93,5             | 86,5  | 67,0  | 82,7  | 74,5  | 65,1  | 49,4  | - | 66,0  | 59,0  | 96  |     |  |  |  |     |  |  |  |  |
| 97           | -     | 91,3  | -     | 89,8  | 91,8  | 90,3  | -     | 91,5  | 92,8  | 91,7             | 86,0  | 66,7  | 82,1  | 74,0  | 64,7  | 49,2  | - | 65,5  | 58,5  | 97  |     |  |  |  |     |  |  |  |  |
| 98           | -     | 89,2  | -     | 87,7  | 89,7  | 88,2  | -     | -     | 91,2  | 90,0             | 85,5  | 66,5  | 81,5  | 73,5  | 64,3  | 49,0  | - | 65,0  | 58,0  | 98  |     |  |  |  |     |  |  |  |  |
| 102          | -     | 80,8  | -     | 79,5  | 81,3  | 80,0  | -     | -     | 84,1  | 82,6             | 81,6  | 65,6  | 79,3  | 71,5  | 62,8  | 48,2  | - | 63,0  | 56,1  | 102 |     |  |  |  |     |  |  |  |  |
| 103          | -     | 78,7  | -     | 77,5  | 79,2  | 78,0  | -     | -     | 82,2  | 80,7             | 80,2  | 65,5  | 78,7  | 71,0  | 62,5  | 48,1  | - | 62,5  | 55,7  | 103 |     |  |  |  |     |  |  |  |  |
| 106          | -     | 72,5  | -     | 71,5  | 73,0  | 72,0  | -     | -     | 76,5  | 75,0             | 76,0  | -     | 77,0  | 69,5  | 61,5  | 47,6  | - | 61,0  | 54,5  | 106 |     |  |  |  |     |  |  |  |  |
| 108          | -     | 68,6  | -     | 67,5  | 69,0  | 68,0  | -     | -     | 72,6  | 71,3             | 72,1  | -     | 74,3  | 68,6  | 60,8  | 47,3  | - | 60,3  | 53,8  | 108 |     |  |  |  |     |  |  |  |  |
| 109          | -     | 66,7  | -     | 65,5  | -     | 66,0  | -     | -     | 70,7  | 69,5             | 70,2  | -     | 73,0  | 68,2  | 60,5  | 47,2  | - | 60,0  | 53,5  | 109 |     |  |  |  |     |  |  |  |  |
| 110          | -     | 64,8  | -     | 63,5  | -     | 64,0  | -     | -     | 68,8  | 67,6             | 68,3  | -     | 71,6  | 67,8  | 60,1  | -     | - | 59,6  | 53,1  | 110 |     |  |  |  |     |  |  |  |  |
| 112          | -     | 61,5  | -     | 60,5  | -     | -     | -     | -     | 65,0  | 64,0             | 64,5  | -     | 69,0  | 67,0  | 59,5  | -     | - | 59,0  | 52,5  | 112 |     |  |  |  |     |  |  |  |  |
| 114          | -     | -     | -     | 58,5  | -     | -     | -     | -     | 61,5  | 60,3             | 61,0  | -     | 65,6  | 63,8  | 59,0  | -     | - | 58,2  | 51,9  | 114 |     |  |  |  |     |  |  |  |  |
| 115          | -     | -     | -     | 57,5  | -     | -     | -     | -     | 59,7  | 58,5             | 59,2  | -     | 64,0  | 62,2  | 58,7  | -     | - | 57,8  | 51,6  | 115 |     |  |  |  |     |  |  |  |  |
| 116          | -     | -     | -     | -     | -     | -     | -     | -     | 58,0  | 57,0             | 57,5  | -     | 62,3  | 60,6  | 58,5  | -     | - | 57,5  | 51,3  | 116 |     |  |  |  |     |  |  |  |  |
| 118          | -     | -     | -     | -     | -     | -     | -     | -     | 56,0  | 55,0             | -     | -     | 59,0  | 57,5  | 58,0  | -     | - | 56,5  | 50,5  | 118 |     |  |  |  |     |  |  |  |  |
| 120          | -     | -     | -     | -     | -     | -     | -     | -     | 54,5  | 53,0             | -     | -     | 55,7  | 54,3  | 55,0  | -     | - | 55,1  | 50,1  | 120 |     |  |  |  |     |  |  |  |  |
| 121          | -     | -     | -     | -     | -     | -     | -     | -     | -     | 52,0             | -     | -     | 54,2  | 53,2  | 53,5  | -     | - | 54,5  | 49,9  | 121 |     |  |  |  |     |  |  |  |  |
| 122          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | 53,3  | 52,3  | 52,5  | -     | - | 53,8  | 49,7  | 122 |     |  |  |  |     |  |  |  |  |
| 124          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | 51,5  | 50,5  | -     | -     | - | 52,5  | 49,3  | 124 |     |  |  |  |     |  |  |  |  |
| 126          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | 48,2  | -     | -     | - | 49,8  | 48,1  | 126 |     |  |  |  |     |  |  |  |  |
| 127          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | 47,1  | -     | -     | - | 49,0  | 47,6  | 127 |     |  |  |  |     |  |  |  |  |
| 130          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -     | - | 46,5  | 45,9  | 130 |     |  |  |  |     |  |  |  |  |
| 132          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -     | - | 44,4  | 43,1  | 132 |     |  |  |  |     |  |  |  |  |
| 133          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -     | - | -     | 41,8  | -   | 133 |  |  |  |     |  |  |  |  |

0t 80t 160t 240t 320t 400t 450t

# SSL/LSL+LF, SSL/LSL S1+LF

CC 6800-1

| 120 m        |       |       |       |       |       |       |       |       |       |                  |       |       |       |       |       |      |       |       |     |     |  |  |  |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|-------|-------|-------|-------|-------|------|-------|-------|-----|-----|--|--|--|
| * SSL/LSL+LF |       |       |       |       |       |       |       |       |       | ** SSL/LSL S1+LF |       |       |       |       |       |      |       |       |     |     |  |  |  |
| **           |       |       |       |       | *     |       |       |       |       | **               |       |       |       |       | *     |      |       |       |     |     |  |  |  |
| 15 m         |       |       |       |       | 21 m  |       |       |       |       | 27 m             |       |       |       |       | 33 m  |      |       |       |     |     |  |  |  |
| 0 t - 450 t  |       |       |       |       |       |       |       |       |       | 0-450 t          |       |       |       |       |       |      |       |       |     |     |  |  |  |
| 15°          |       |       |       | 20°   |       |       |       | 30°   |       |                  |       | 15°   |       |       |       | 20°  |       |       |     | 30° |  |  |  |
| m            | t     | t     | t     | t     | t     | t     | t     | t     | t     | t                | t     | t     | t     | t     | t     | t    | t     | t     | m   |     |  |  |  |
| 18           | 190,0 | 239,0 | 190,0 | 237,0 | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | -     | -     | 18  |     |  |  |  |
| 19           | 180,0 | 239,0 | 180,0 | 237,0 | 230,0 | 228,0 | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | -     | -     | 19  |     |  |  |  |
| 20           | 170,0 | 239,0 | 170,0 | 237,0 | 230,0 | 228,0 | -     | -     | 200,0 | 198,0            | -     | -     | -     | -     | -     | -    | -     | -     | 20  |     |  |  |  |
| 22           | 154,0 | 239,0 | 154,0 | 237,0 | 230,0 | 228,0 | 167,0 | 157,0 | 200,0 | 198,0            | 185,0 | -     | 160,0 | 158,0 | -     | -    | -     | -     | 22  |     |  |  |  |
| 24           | 138,0 | 239,0 | 138,0 | 237,0 | 230,0 | 228,0 | 166,0 | 156,0 | 200,0 | 198,0            | 185,0 | -     | 160,0 | 158,0 | -     | -    | 129,0 | 128,0 | 24  |     |  |  |  |
| 25           | 132,0 | 239,0 | 132,0 | 237,0 | 230,0 | 227,2 | 165,0 | 155,0 | 200,0 | 198,0            | 182,5 | 116,0 | 160,0 | 158,0 | 143,0 | -    | 129,0 | 127,7 | 25  |     |  |  |  |
| 26           | 126,0 | 239,0 | 126,0 | 237,0 | 230,0 | 226,5 | 164,0 | 154,0 | 200,0 | 198,0            | 180,0 | 114,6 | 160,0 | 158,0 | 140,6 | -    | 129,0 | 127,5 | 26  |     |  |  |  |
| 27           | 120,0 | 239,0 | 120,0 | 237,0 | 230,0 | 225,7 | 163,0 | 153,0 | 200,0 | 198,0            | 177,5 | 113,3 | 160,0 | 158,0 | 138,3 | -    | 129,0 | 127,2 | 27  |     |  |  |  |
| 28           | 114,0 | 239,0 | 114,0 | 237,0 | 230,0 | 225,0 | 162,0 | 152,0 | 200,0 | 198,0            | 175,0 | 112,0 | 160,0 | 158,0 | 136,0 | -    | 129,0 | 127,0 | 28  |     |  |  |  |
| 29           | 109,2 | 239,0 | 109,2 | 236,7 | 229,0 | 223,7 | 161,0 | 151,2 | 200,0 | 198,0            | 172,5 | 110,7 | 160,0 | 157,7 | 134,0 | 84,5 | 129,0 | 127,0 | 29  |     |  |  |  |
| 30           | 104,5 | 239,0 | 104,5 | 236,5 | 228,0 | 222,5 | 160,0 | 150,5 | 200,0 | 198,0            | 170,0 | 109,5 | 160,0 | 157,5 | 132,0 | 83,6 | 129,0 | 127,0 | 30  |     |  |  |  |
| 32           | 95,0  | 239,0 | 95,0  | 236,0 | 226,0 | 220,0 | 158,0 | 149,0 | 200,0 | 198,0            | 165,0 | 107,0 | 160,0 | 157,0 | 128,0 | 82,0 | 129,0 | 127,0 | 32  |     |  |  |  |
| 34           | 87,2  | 239,0 | 87,0  | 235,0 | 224,0 | 217,5 | 156,5 | 147,5 | 198,0 | 195,0            | 160,5 | 105,0 | 159,5 | 154,5 | 124,0 | 80,0 | 128,5 | 125,5 | 34  |     |  |  |  |
| 38           | 71,7  | 238,0 | 71,5  | 230,5 | 219,0 | 212,0 | 153,5 | 144,0 | 192,5 | 187,0            | 151,5 | 101,0 | 155,5 | 147,0 | 117,0 | 76,5 | 126,5 | 120,0 | 38  |     |  |  |  |
| 42           | 58,4  | 234,6 | 58,4  | 220,6 | 212,6 | 203,3 | 150,3 | 139,6 | 185,3 | 177,0            | 143,6 | 97,1  | 148,3 | 138,0 | 111,0 | 73,5 | 122,3 | 112,6 | 42  |     |  |  |  |
| 46           | 47,2  | 232,0 | 47,3  | 214,0 | 206,0 | 194,0 | 147,0 | 135,0 | 176,0 | 167,0            | 137,0 | 93,5  | 141,0 | 130,0 | 105,0 | 70,5 | 117,0 | 106,0 | 46  |     |  |  |  |
| 50           | 36,8  | 224,6 | 37,0  | 205,6 | 198,0 | 185,3 | 143,0 | 130,3 | 168,0 | 158,3            | 131,0 | 90,1  | 134,3 | 123,3 | 100,3 | 67,8 | 111,0 | 100,0 | 50  |     |  |  |  |
| 54           | 27,6  | 212,6 | 27,8  | 197,6 | 190,3 | 177,3 | 139,3 | 126,0 | 160,6 | 150,3            | 125,3 | 87,1  | 128,0 | 117,0 | 96,0  | 65,5 | 105,1 | 94,5  | 54  |     |  |  |  |
| 58           | 19,6  | 194,0 | 19,8  | 191,0 | 183,0 | 170,0 | 136,0 | 122,0 | 154,0 | 143,0            | 120,0 | 84,5  | 122,0 | 111,0 | 92,0  | 63,5 | 99,5  | 89,5  | 58  |     |  |  |  |
| 62           | 13,1  | 177,3 | 13,3  | 176,3 | 174,3 | 164,0 | 132,6 | 118,6 | 148,0 | 137,0            | 115,3 | 82,1  | 116,6 | 105,6 | 88,3  | 61,5 | 94,8  | 85,1  | 62  |     |  |  |  |
| 66           | 7,0   | 162,0 | 7,3   | 162,3 | 163,0 | 158,0 | 129,0 | 115,8 | 142,0 | 131,3            | 111,0 | 79,8  | 111,6 | 101,0 | 84,8  | 59,5 | 90,5  | 81,2  | 66  |     |  |  |  |
| 67           | -     | 158,7 | 5,9   | 159,0 | 159,5 | 156,5 | 128,0 | 115,2 | 140,5 | 130,0            | 110,0 | 79,2  | 110,5 | 100,0 | 84,0  | 59,0 | 89,5  | 80,3  | 67  |     |  |  |  |
| 70           | -     | 149,0 | -     | 149,0 | 149,0 | 149,0 | 126,0 | 113,0 | 137,0 | 126,0            | 107,0 | 77,5  | 107,0 | 96,5  | 81,5  | 57,5 | 86,5  | 77,5  | 70  |     |  |  |  |
| 74           | -     | 137,6 | -     | 137,6 | 137,6 | 137,6 | 123,3 | 110,3 | 132,3 | 120,6            | 103,0 | 75,5  | 103,0 | 92,8  | 78,5  | 56,3 | 82,8  | 74,6  | 74  |     |  |  |  |
| 78           | -     | 127,0 | -     | 127,0 | 127,3 | 127,3 | 120,6 | 108,0 | 126,0 | 116,0            | 99,6  | 73,6  | 99,1  | 89,3  | 75,8  | 54,8 | 79,5  | 71,5  | 78  |     |  |  |  |
| 82           | -     | 117,0 | -     | 117,0 | 118,0 | 118,0 | 118,0 | 106,0 | 118,0 | 112,0            | 97,0  | 72,0  | 95,5  | 86,0  | 73,5  | 53,5 | 76,5  | 68,5  | 82  |     |  |  |  |
| 86           | -     | 109,0 | -     | 109,0 | 109,3 | 109,3 | 110,0 | 104,0 | 109,3 | 108,0            | 94,3  | 70,6  | 92,1  | 83,0  | 71,1  | 52,1 | 73,8  | 66,1  | 86  |     |  |  |  |
| 90           | -     | 101,2 | -     | 101,5 | 101,5 | 101,6 | 102,2 | 100,5 | 101,7 | 102,4            | 91,6  | 69,3  | 89,0  | 80,1  | 69,0  | 51,0 | 71,1  | 63,5  | 90  |     |  |  |  |
| 94           | -     | 94,0  | -     | 94,5  | 94,5  | 94,5  | 95,0  | 95,5  | 95,0  | 95,0             | 89,0  | 68,0  | 86,0  | 77,5  | 67,0  | 50,0 | 68,5  | 61,5  | 94  |     |  |  |  |
| 98           | -     | 87,0  | -     | 87,5  | 87,8  | 87,8  | 88,3  | 88,8  | 88,6  | 88,6             | 87,0  | 67,1  | 83,6  | 75,2  | 65,5  | 49,4 | 66,5  | 59,5  | 98  |     |  |  |  |
| 100          | -     | 83,5  | -     | 84,0  | 84,5  | 84,5  | 85,0  | 85,5  | 85,5  | 85,5             | 86,0  | 66,5  | 82,5  | 74,0  | 64,5  | 49,0 | 65,5  | 58,5  | 100 |     |  |  |  |
| 101          | -     | 81,5  | -     | 82,0  | 82,5  | 82,5  | -     | 83,5  | 83,7  | 83,7             | 84,3  | 66,3  | 81,5  | 73,5  | 64,1  | 48,8 | 65,0  | 58,0  | 101 |     |  |  |  |
| 102          | -     | 79,6  | -     | 80,1  | 80,5  | 80,6  | -     | -     | 82,0  | 82,0             | 82,6  | 66,1  | 80,6  | 73,0  | 63,8  | 48,6 | 64,5  | 57,6  | 102 |     |  |  |  |
| 106          | -     | 72,0  | -     | 72,5  | 72,5  | 73,0  | -     | -     | 75,0  | 75,0             | 76,0  | 65,5  | 77,0  | 71,0  | 62,5  | 47,9 | 62,5  | 56,0  | 106 |     |  |  |  |
| 107          | -     | 70,1  | -     | 70,6  | 70,6  | 71,1  | -     | -     | 73,2  | 73,2             | 74,2  | 65,0  | 75,4  | 70,5  | 62,1  | 47,7 | 62,0  | 55,5  | 107 |     |  |  |  |
| 110          | -     | 64,6  | -     | 65,1  | 65,1  | 65,6  | -     | -     | 68,0  | 68,0             | 69,0  | -     | 70,6  | 69,0  | 61,1  | 47,3 | 60,8  | 54,3  | 110 |     |  |  |  |
| 112          | -     | 61,0  | -     | 61,5  | 61,5  | 62,0  | -     | -     | 64,5  | 64,5             | 65,5  | -     | 67,5  | 68,0  | 60,5  | 47,1 | 60,0  | 53,5  | 112 |     |  |  |  |
| 113          | -     | 59,2  | -     | 59,6  | -     | 60,1  | -     | -     | 62,7  | 62,8             | 63,8  | -     | 65,9  | 66,4  | 60,2  | 47,0 | 59,6  | 53,2  | 113 |     |  |  |  |
| 114          | -     | 57,5  | -     | 57,8  | -     | 58,3  | -     | -     | 61,0  | 61,1             | 62,1  | -     | 64,3  | 64,8  | 60,0  | -    | 59,3  | 53,0  | 114 |     |  |  |  |
| 115          | -     | 56,0  | -     | 56,0  | -     | 56,5  | -     | -     | 59,2  | 59,5             | 60,5  | -     | 62,7  | 63,2  | 59,7  | -    | 59,0  | 52,6  | 115 |     |  |  |  |
| 118          | -     | 53,0  | -     | 53,0  | -     | -     | -     | -     | 54,5  | 54,5             | 55,5  | -     | 58,0  | 58,5  | 59,0  | -    | 58,0  | 51,5  | 118 |     |  |  |  |
| 119          | -     | 52,0  | -     | 51,9  | -     | -     | -     | -     | 52,8  | 53,0             | 53,7  | -     | 56,5  | 56,8  | 57,5  | -    | 57,5  | 51,3  | 119 |     |  |  |  |
| 120          | -     | 51,0  | -     | 50,8  | -     | -     | -     | -     | 51,7  | 51,7             | 52,0  | -     | 55,0  | 55,1  | 56,0  | -    | 57,0  | 51,1  | 120 |     |  |  |  |
| 121          | -     | -     | -     | 49,8  | -     | -     | -     | -     | 50,8  | 50,8             | 51,0  | -     | 53,5  | 53,5  | 54,5  | -    | 55,6  | 51,0  | 121 |     |  |  |  |
| 122          | -     | -     | -     | -     | -     | -     | -     | -     | 49,9  | 49,9             | -     | -     | 52,0  | 52,1  | 53,0  | -    | 54,2  | 50,6  | 122 |     |  |  |  |
| 124          | -     | -     | -     | -     | -     | -     | -     | -     | 48,2  | 48,2             | -     | -     | 49,0  | 49,3  | 50,0  | -    | 51,5  | 50,0  | 124 |     |  |  |  |
| 126          | -     | -     | -     | -     | -     | -     | -     | -     | -     | 45,9             | -     | -     | 47,0  | 47,1  | 47,5  | -    | 48,7  | 47,8  | 126 |     |  |  |  |
| 127          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | 46,1  | 46,3  | 46,7  | -    | 47,4  | 46,8  | 127 |     |  |  |  |
| 130          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | 43,3  | 43,9  | -     | -    | 44,3  | 43,9  | 130 |     |  |  |  |
| 132          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | 40,9  | 41,2  | -     | -    | 42,4  | 42,2  | 132 |     |  |  |  |
| 134          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | 40,5  | 40,5  | 134 |     |  |  |  |
| 136          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | 38,6  | 38,9  | 136 |     |  |  |  |
| 138          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | -     | 36,3  | 138 |     |  |  |  |

0t 80t 160t 240t 320t 400t 450t



# SSL/LSL+LF, SSL/LSL S1+LF

CC 6800-1

| 250 t + 80 t                     |       | 15-33 m |       | 15-24 m |       | 9,6 m |       | 9.8 m/s |       | 360°  |       | ISO   |       |       |       |      |     |
|----------------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|------|-----|
| 126 m                            |       |         |       |         |       |       |       |         |       |       |       |       |       |       |       |      |     |
| * SSL/LSL+LF    ** SSL/LSL S1+LF |       |         |       |         |       |       |       |         |       |       |       |       |       |       |       |      |     |
| **                               |       |         |       | *       |       | **    |       | *       |       | **    |       | *     |       |       |       |      |     |
| 15 m                             |       |         |       | 21 m    |       |       |       | 27 m    |       |       |       | 33 m  |       |       |       |      |     |
| 0 t                              |       | 0 t     |       | 0-450 t |       |       |       |         |       |       |       |       |       |       |       |      |     |
| 15°                              |       | 20°     |       | 30°     |       | 15°   |       | 20°     |       | 30°   |       | 15°   |       | 20°   |       | 30°  |     |
| m                                | t     | t       | t     | t       | t     | t     | t     | t       | t     | t     | t     | t     | t     | t     | t     | t    | m   |
| 19                               | 175,0 | 208,0   | 174,0 | 214,0   | -     | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | -    | 19  |
| 20                               | 165,0 | 208,0   | 165,0 | 214,0   | 199,0 | 206,0 | -     | -       | -     | -     | -     | -     | -     | -     | -     | -    | 20  |
| 21                               | 157,5 | 208,0   | 157,2 | 214,0   | 199,0 | 206,0 | -     | -       | 176,0 | 182,0 | -     | -     | -     | -     | -     | -    | 21  |
| 22                               | 150,0 | 208,0   | 149,5 | 214,0   | 199,0 | 206,0 | 163,0 | 155,0   | 175,6 | 182,0 | -     | -     | -     | -     | -     | -    | 22  |
| 23                               | 142,5 | 208,0   | 141,7 | 214,0   | 199,0 | 206,0 | 162,5 | 155,0   | 175,3 | 182,0 | 172,0 | -     | 147,0 | 147,0 | -     | -    | 23  |
| 24                               | 135,0 | 208,0   | 134,0 | 214,0   | 199,0 | 206,0 | 162,0 | 155,0   | 175,0 | 182,0 | 172,0 | -     | 147,0 | 147,0 | -     | -    | 24  |
| 25                               | 129,0 | 208,0   | 128,0 | 214,0   | 199,0 | 206,0 | 161,0 | 154,2   | 175,0 | 182,0 | 172,0 | -     | 147,0 | 147,0 | 141,0 | -    | 25  |
| 26                               | 123,0 | 208,0   | 122,0 | 214,0   | 199,0 | 206,0 | 160,0 | 153,5   | 175,0 | 182,0 | 172,0 | 115,0 | 147,0 | 147,0 | 139,6 | -    | 26  |
| 28                               | 111,0 | 208,0   | 110,0 | 214,0   | 199,0 | 206,0 | 158,0 | 152,0   | 175,0 | 182,0 | 172,0 | 113,0 | 147,0 | 147,0 | 137,0 | -    | 28  |
| 29                               | 106,3 | 208,0   | 105,3 | 213,7   | 199,0 | 206,0 | 157,2 | 151,2   | 175,0 | 181,7 | 170,7 | 111,7 | 147,0 | 147,0 | 135,0 | 85,0 | 29  |
| 30                               | 101,7 | 208,0   | 100,7 | 213,5   | 199,0 | 206,0 | 156,5 | 150,5   | 175,0 | 181,5 | 169,5 | 110,5 | 147,0 | 147,0 | 133,0 | 84,0 | 30  |
| 33                               | 88,6  | 208,0   | 87,7  | 212,2   | 199,0 | 205,5 | 154,2 | 148,2   | 174,7 | 180,7 | 164,7 | 106,7 | 147,0 | 147,0 | 127,2 | 81,1 | 33  |
| 34                               | 84,7  | 208,0   | 84,0  | 211,5   | 199,0 | 205,0 | 153,5 | 147,5   | 174,5 | 180,5 | 162,5 | 105,5 | 147,0 | 147,0 | 125,5 | 80,2 | 34  |
| 38                               | 70,0  | 207,5   | 69,5  | 208,5   | 199,0 | 202,5 | 150,5 | 144,5   | 174,0 | 178,5 | 154,0 | 101,2 | 146,5 | 146,0 | 118,5 | 77,0 | 38  |
| 42                               | 57,4  | 200,6   | 56,9  | 200,6   | 196,0 | 197,0 | 147,3 | 140,6   | 172,6 | 175,0 | 146,3 | 97,8  | 143,6 | 140,6 | 112,3 | 74,0 | 42  |
| 46                               | 46,4  | 193,0   | 45,9  | 194,0   | 190,0 | 189,0 | 144,0 | 136,0   | 170,0 | 171,0 | 139,0 | 94,5  | 139,0 | 132,0 | 107,0 | 71,0 | 46  |
| 50                               | 36,0  | 184,3   | 35,5  | 184,3   | 182,0 | 182,6 | 141,3 | 132,0   | 163,3 | 162,3 | 133,0 | 91,1  | 133,0 | 125,3 | 102,0 | 68,3 | 50  |
| 54                               | 26,8  | 177,6   | 26,3  | 179,0   | 172,0 | 174,6 | 138,6 | 128,0   | 156,0 | 154,3 | 127,3 | 88,1  | 127,3 | 119,0 | 97,5  | 66,0 | 54  |
| 58                               | 18,8  | 173,0   | 18,3  | 173,0   | 168,0 | 170,0 | 136,0 | 124,0   | 152,0 | 147,0 | 122,0 | 85,5  | 122,0 | 113,0 | 93,5  | 64,0 | 58  |
| 62                               | 12,2  | 166,0   | 11,8  | 166,6   | 160,6 | 163,0 | 133,3 | 120,6   | 144,0 | 140,3 | 117,3 | 83,1  | 117,3 | 107,6 | 89,8  | 62,0 | 62  |
| 66                               | 6,2   | 161,0   | 5,8   | 161,0   | 157,0 | 158,3 | 130,5 | 117,6   | 140,0 | 134,3 | 113,0 | 80,8  | 112,0 | 103,0 | 86,3  | 60,1 | 66  |
| 70                               | -     | 148,0   | -     | 148,0   | 149,0 | 148,0 | 128,0 | 115,0   | 134,0 | 129,0 | 109,0 | 78,5  | 108,0 | 99,0  | 83,0  | 58,5 | 70  |
| 74                               | -     | 136,6   | -     | 136,6   | 137,0 | 136,6 | 124,6 | 112,3   | 130,6 | 123,6 | 105,0 | 76,5  | 104,6 | 95,0  | 80,0  | 56,8 | 74  |
| 78                               | -     | 126,0   | -     | 126,0   | 126,3 | 126,3 | 121,3 | 109,6   | 125,0 | 119,0 | 101,6 | 74,6  | 101,1 | 91,3  | 77,3  | 55,3 | 78  |
| 82                               | -     | 116,0   | -     | 116,0   | 117,0 | 117,0 | 118,0 | 107,0   | 117,0 | 115,0 | 99,0  | 73,0  | 97,5  | 88,0  | 75,0  | 54,0 | 82  |
| 86                               | -     | 108,0   | -     | 108,0   | 108,3 | 108,3 | 109,3 | 105,0   | 109,0 | 107,6 | 96,0  | 71,6  | 94,1  | 85,0  | 72,6  | 52,8 | 86  |
| 90                               | -     | 100,0   | -     | 100,3   | 100,7 | 100,6 | 101,5 | 100,7   | 101,2 | 100,7 | 93,2  | 70,3  | 91,0  | 82,1  | 70,5  | 51,5 | 90  |
| 94                               | -     | 93,5    | -     | 93,0    | 94,0  | 93,5  | 94,5  | 94,0    | 94,0  | 94,0  | 91,0  | 69,0  | 88,0  | 79,5  | 68,5  | 50,5 | 94  |
| 98                               | -     | 87,1    | -     | 87,0    | 87,6  | 87,1  | 88,1  | 87,6    | 87,6  | 87,6  | 87,0  | 68,0  | 85,6  | 77,1  | 66,8  | 49,7 | 98  |
| 102                              | -     | 80,5    | -     | 80,3    | 81,0  | 80,5  | 81,7  | 81,1    | 81,5  | 81,3  | 82,0  | 67,0  | 82,0  | 74,8  | 65,1  | 49,0 | 102 |
| 104                              | -     | 77,0    | -     | 76,6    | 77,5  | 77,0  | 78,5  | 77,8    | 78,5  | 78,1  | 79,0  | 66,5  | 79,5  | 73,6  | 64,3  | 48,6 | 104 |
| 106                              | -     | 73,5    | -     | 73,0    | 74,0  | 73,5  | -     | 74,5    | 75,5  | 75,0  | 76,0  | 66,0  | 77,0  | 72,5  | 63,5  | 48,3 | 106 |
| 110                              | -     | 66,5    | -     | 66,0    | 67,0  | 66,5  | -     | -       | 68,8  | 68,3  | 69,3  | 65,3  | 71,0  | 69,1  | 62,1  | 47,6 | 110 |
| 112                              | -     | 63,0    | -     | 62,5    | 63,5  | 63,0  | -     | -       | 65,5  | 65,0  | 66,0  | 65,0  | 68,0  | 67,5  | 61,5  | 47,3 | 112 |
| 114                              | -     | 59,7    | -     | 59,2    | 60,0  | 59,7  | -     | -       | 62,2  | 62,0  | 62,8  | -     | 65,0  | 64,5  | 60,8  | 47,1 | 114 |
| 117                              | -     | 54,7    | -     | 54,2    | 55,0  | 54,7  | -     | -       | 57,5  | 57,5  | 58,0  | -     | 60,5  | 60,0  | 59,8  | 46,8 | 117 |
| 118                              | -     | 53,0    | -     | 52,5    | 53,5  | 53,0  | -     | -       | 56,0  | 56,0  | 56,5  | -     | 59,0  | 58,5  | 59,5  | -    | 118 |
| 120                              | -     | 50,3    | -     | 49,7    | 50,5  | 50,0  | -     | -       | 53,0  | 52,9  | 53,5  | -     | 56,1  | 55,6  | 56,6  | -    | 120 |
| 122                              | -     | 48,7    | -     | 48,0    | -     | -     | -     | -       | 50,1  | 49,9  | 50,5  | -     | 53,3  | 52,8  | 53,8  | -    | 122 |
| 123                              | -     | 47,9    | -     | 47,1    | -     | -     | -     | -       | 48,6  | 48,4  | 49,0  | -     | 51,9  | 51,4  | 52,4  | -    | 123 |
| 124                              | -     | 47,1    | -     | 46,3    | -     | -     | -     | -       | 47,4  | 46,9  | 47,5  | -     | 50,5  | 50,0  | 51,0  | -    | 124 |
| 126                              | -     | -       | -     | 43,9    | -     | -     | -     | -       | 45,4  | 44,8  | 45,1  | -     | 47,7  | 47,3  | 48,2  | -    | 126 |
| 130                              | -     | -       | -     | -       | -     | -     | -     | -       | 41,6  | 41,6  | -     | -     | 43,3  | 42,1  | 42,6  | -    | 130 |
| 132                              | -     | -       | -     | -       | -     | -     | -     | -       | 39,2  | 38,8  | -     | -     | 41,7  | 40,6  | 40,9  | -    | 132 |
| 134                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | 39,6  | 39,1  | -     | -    | 134 |
| 136                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | 37,5  | 37,2  | -     | -    | 136 |
| 137                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | -     | 35,9  | -     | -    | 137 |
| 138                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | 37,1 | 138 |
| 140                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | 35,2 | 140 |
| 142                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | 32,5 | 142 |
| 143                              | -     | -       | -     | -       | -     | -     | -     | -       | -     | -     | -     | -     | -     | -     | -     | 31,3 | 143 |

0t 80t 160t 240t 320t 400t 450t

# SSL/LSL+LF, SSL/LSL S1+LF

CC 6800-1

| 132 m             |       |       |       |       |       |       |       |       |       |                  |       |       |       |       |       |      |       |       |   |     |   |   |   |   |      |      |     |    |   |   |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|-------|-------|-------|-------|-------|------|-------|-------|---|-----|---|---|---|---|------|------|-----|----|---|---|
| * SSL/LSL+LF      |       |       |       |       |       |       |       |       |       | ** SSL/LSL S1+LF |       |       |       |       |       |      |       |       |   |     |   |   |   |   |      |      |     |    |   |   |
| **                |       |       |       |       | *     |       |       |       |       | **               |       |       |       |       | *     |      |       |       |   |     |   |   |   |   |      |      |     |    |   |   |
| 15 m              |       |       |       |       | 21 m  |       |       |       |       | 27 m             |       |       |       |       | 33 m  |      |       |       |   |     |   |   |   |   |      |      |     |    |   |   |
| 0 t   450 t   0 t |       |       |       |       |       |       |       |       |       | 0-450 t          |       |       |       |       |       |      |       |       |   |     |   |   |   |   |      |      |     |    |   |   |
| 15°               |       |       |       |       | 20°   |       |       |       |       | 30°              |       |       |       |       | 15°   |      |       |       |   | 20° |   |   |   |   | 30°  |      |     |    |   |   |
| m                 | t     | t     | t     | t     | t     | t     | t     | t     | t     | t                | t     | t     | t     | t     | t     | t    | t     | t     | t | t   | t | t | t | t | t    | t    | t   | t  | t | m |
| 19                | 168,0 | 194,0 | 166,0 | 186,0 | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | -     | -     | - | -   | - | - | - | - | -    | -    | -   | 19 |   |   |
| 20                | 159,0 | 194,0 | 161,0 | 186,0 | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | -     | -     | - | -   | - | - | - | - | -    | -    | -   | 20 |   |   |
| 21                | 151,5 | 194,0 | 153,2 | 186,0 | 186,0 | 170,0 | -     | -     | 165,0 | 150,0            | -     | -     | -     | -     | -     | -    | -     | -     | - | -   | - | - | - | - | -    | -    | -   | 21 |   |   |
| 22                | 144,0 | 194,0 | 145,5 | 186,0 | 186,0 | 170,0 | -     | -     | 165,0 | 150,0            | -     | -     | -     | -     | -     | -    | -     | -     | - | -   | - | - | - | - | -    | -    | -   | 22 |   |   |
| 23                | 136,5 | 194,0 | 137,7 | 186,0 | 186,0 | 170,0 | 159,0 | 143,0 | 165,0 | 150,0            | 135,0 | -     | 139,0 | 125,0 | -     | -    | -     | -     | - | -   | - | - | - | - | -    | -    | -   | 23 |   |   |
| 24                | 129,0 | 194,0 | 130,0 | 186,0 | 186,0 | 170,0 | 159,0 | 143,0 | 165,0 | 150,0            | 135,0 | -     | 139,0 | 125,0 | -     | -    | -     | -     | - | -   | - | - | - | - | -    | -    | -   | 24 |   |   |
| 25                | 123,2 | 194,0 | 124,2 | 185,7 | 186,0 | 170,0 | 158,2 | 142,7 | 165,0 | 150,0            | 135,0 | -     | 139,0 | 125,0 | -     | -    | 115,0 | 104,0 | - | -   | - | - | - | - | -    | -    | -   | 25 |   |   |
| 26                | 117,5 | 194,0 | 118,5 | 185,5 | 186,0 | 170,0 | 157,5 | 142,5 | 165,0 | 150,0            | 135,0 | 108,0 | 139,0 | 125,0 | 109,0 | -    | 115,0 | 104,0 | - | -   | - | - | - | - | -    | -    | -   | 26 |   |   |
| 28                | 106,0 | 194,0 | 107,0 | 185,0 | 186,0 | 170,0 | 156,0 | 142,0 | 165,0 | 150,0            | 135,0 | 108,0 | 139,0 | 125,0 | 109,0 | -    | 115,0 | 104,0 | - | -   | - | - | - | - | 91,5 | -    | 28  |    |   |   |
| 30                | 96,7  | 194,0 | 98,0  | 183,5 | 186,0 | 169,5 | 155,0 | 140,5 | 165,0 | 149,5            | 135,0 | 106,5 | 139,0 | 125,0 | 109,0 | 82,0 | 115,0 | 104,0 | - | -   | - | - | - | - | 91,5 | -    | 30  |    |   |   |
| 33                | 83,7  | 193,7 | 85,2  | 181,2 | 186,0 | 168,5 | 153,2 | 138,2 | 165,0 | 148,5            | 134,7 | 104,0 | 138,7 | 124,5 | 109,0 | 81,2 | 114,7 | 104,0 | - | -   | - | - | - | - | 91,5 | 63,0 | 33  |    |   |   |
| 34                | 80,0  | 193,5 | 81,5  | 180,5 | 186,0 | 168,0 | 152,5 | 137,5 | 165,0 | 148,0            | 134,5 | 103,0 | 138,5 | 124,0 | 109,0 | 80,5 | 114,5 | 104,0 | - | -   | - | - | - | - | 91,5 | 62,6 | 34  |    |   |   |
| 38                | 66,0  | 192,5 | 67,7  | 177,5 | 186,0 | 165,5 | 149,5 | 135,0 | 164,5 | 145,0            | 132,5 | 99,7  | 138,0 | 121,5 | 108,5 | 77,2 | 114,0 | 103,0 | - | -   | - | - | - | - | 91,2 | 60,7 | 38  |    |   |   |
| 42                | 52,9  | 189,6 | 56,0  | 173,6 | 184,6 | 162,0 | 146,6 | 132,6 | 163,0 | 141,0            | 129,3 | 97,0  | 137,6 | 118,3 | 106,6 | 74,1 | 114,0 | 100,6 | - | -   | - | - | - | - | 89,6 | 58,3 | 42  |    |   |   |
| 46                | 39,7  | 185,0 | 45,0  | 169,0 | 182,0 | 158,0 | 144,0 | 130,0 | 161,0 | 137,0            | 126,0 | 94,0  | 137,0 | 115,0 | 104,0 | 71,5 | 114,0 | 98,0  | - | -   | - | - | - | - | 87,0 | 56,0 | 46  |    |   |   |
| 50                | 31,5  | 177,6 | 34,6  | 161,0 | 172,6 | 153,3 | 141,3 | 126,6 | 157,6 | 132,3            | 122,6 | 91,0  | 134,3 | 111,0 | 101,0 | 68,8 | 110,6 | 95,0  | - | -   | - | - | - | - | 83,0 | 53,6 | 50  |    |   |   |
| 54                | 23,3  | 169,0 | 25,4  | 151,3 | 164,6 | 145,6 | 138,6 | 123,6 | 148,3 | 127,3            | 119,0 | 88,3  | 130,6 | 107,0 | 97,8  | 66,5 | 106,6 | 91,8  | - | -   | - | - | - | - | 79,1 | 51,6 | 54  |    |   |   |
| 58                | 15,2  | 165,0 | 17,4  | 146,0 | 160,0 | 136,0 | 136,0 | 121,0 | 145,0 | 122,0            | 115,0 | 86,0  | 126,0 | 103,0 | 94,5  | 64,5 | 102,0 | 88,5  | - | -   | - | - | - | - | 75,5 | 50,0 | 58  |    |   |   |
| 62                | 8,7   | 157,0 | 10,9  | 136,4 | 153,6 | 132,0 | 133,3 | 118,3 | 137,6 | 117,3            | 111,0 | 83,6  | 120,0 | 99,6  | 91,1  | 62,5 | 98,3  | 85,1  | - | -   | - | - | - | - | 72,5 | 48,4 | 62  |    |   |   |
| 64                | 5,5   | 155,0 | 7,7   | 134,0 | 152,0 | 130,0 | 132,0 | 117,0 | 136,0 | 115,0            | 109,0 | 82,5  | 117,0 | 98,0  | 89,5  | 61,5 | 96,5  | 83,5  | - | -   | - | - | - | - | 71,0 | 47,6 | 64  |    |   |   |
| 65                | -     | 153,3 | 6,2   | 133,0 | 151,0 | 127,5 | 131,5 | 115,5 | 135,0 | 112,5            | 108,3 | 82,0  | 116,1 | 97,0  | 88,6  | 61,0 | 95,5  | 82,7  | - | -   | - | - | - | - | 70,3 | 47,2 | 65  |    |   |   |
| 66                | -     | 151,6 | -     | 132,0 | 150,0 | 125,0 | 131,0 | 115,0 | 134,0 | 110,0            | 107,6 | 81,5  | 115,3 | 96,0  | 87,7  | 60,6 | 94,5  | 82,0  | - | -   | - | - | - | - | 69,6 | 46,8 | 66  |    |   |   |
| 70                | -     | 145,0 | -     | 128,0 | 146,0 | 121,0 | 129,0 | 113,0 | 130,0 | 105,0            | 101,0 | 79,5  | 112,0 | 92,5  | 84,5  | 59,0 | 90,0  | 79,0  | - | -   | - | - | - | - | 67,0 | 45,3 | 70  |    |   |   |
| 74                | -     | 133,6 | -     | 122,3 | 134,6 | 117,0 | 126,3 | 110,0 | 126,3 | 101,6            | 97,3  | 77,5  | 107,3 | 89,5  | 81,5  | 57,3 | 86,3  | 76,3  | - | -   | - | - | - | - | 64,3 | 44,0 | 74  |    |   |   |
| 78                | -     | 123,3 | -     | 119,0 | 124,0 | 114,0 | 121,6 | 107,3 | 121,6 | 96,1             | 93,6  | 75,6  | 103,3 | 84,0  | 78,6  | 55,8 | 83,0  | 73,6  | - | -   | - | - | - | - | 62,0 | 42,8 | 78  |    |   |   |
| 82                | -     | 114,0 | -     | 115,0 | 114,0 | 112,0 | 115,0 | 106,0 | 115,0 | 93,5             | 90,5  | 74,0  | 100,0 | 80,5  | 76,0  | 54,5 | 80,0  | 71,0  | - | -   | - | - | - | - | 60,0 | 41,6 | 82  |    |   |   |
| 86                | -     | 105,0 | -     | 107,0 | 106,0 | 106,0 | 107,0 | 104,0 | 106,3 | 91,5             | 88,8  | 72,3  | 96,3  | 78,5  | 73,8  | 53,1 | 77,0  | 68,1  | - | -   | - | - | - | - | 58,0 | 40,6 | 86  |    |   |   |
| 90                | -     | 97,5  | -     | 99,5  | 98,3  | 100,0 | 99,3  | 100,3 | 98,5  | 89,0             | 86,8  | 71,1  | 93,0  | 75,3  | 71,5  | 52,1 | 74,5  | 64,6  | - | -   | - | - | - | - | 56,1 | 39,6 | 90  |    |   |   |
| 94                | -     | 90,5  | -     | 92,5  | 91,0  | 93,0  | 92,0  | 93,5  | 91,5  | 87,5             | 85,5  | 69,5  | 90,0  | 74,0  | 69,5  | 51,0 | 72,0  | 63,0  | - | -   | - | - | - | - | 54,5 | 38,7 | 94  |    |   |   |
| 98                | -     | 84,5  | -     | 86,1  | 84,6  | 86,6  | 85,3  | 87,1  | 85,1  | 84,8             | 83,8  | 68,5  | 85,3  | 72,8  | 67,8  | 50,2 | 69,6  | 61,6  | - | -   | - | - | - | - | 52,8 | 37,9 | 98  |    |   |   |
| 102               | -     | 78,1  | -     | 79,8  | 78,3  | 80,3  | 78,8  | 81,0  | 79,0  | 80,6             | 80,5  | 67,5  | 80,1  | 72,0  | 66,1  | 49,4 | 67,5  | 59,8  | - | -   | - | - | - | - | 51,4 | 37,1 | 102 |    |   |   |
| 106               | -     | 71,5  | -     | 73,5  | 72,0  | 74,0  | 72,5  | 75,0  | 73,0  | 75,0             | 75,5  | 66,5  | 74,5  | 71,0  | 64,5  | 48,6 | 65,5  | 58,5  | - | -   | - | - | - | - | 50,0 | 36,5 | 106 |    |   |   |
| 108               | -     | 68,0  | -     | 70,1  | 68,6  | 70,6  | 69,0  | 71,5  | 69,8  | 71,8             | 72,5  | 66,1  | 71,5  | 69,8  | 63,8  | 48,2 | 64,5  | 57,6  | - | -   | - | - | - | - | 49,5 | 36,2 | 108 |    |   |   |
| 110               | -     | 64,7  | -     | 66,8  | 65,3  | 67,3  | -     | 68,0  | 66,6  | 68,6             | 69,5  | 65,8  | 68,5  | 68,6  | 63,1  | 47,9 | 63,5  | 56,8  | - | -   | - | - | - | - | 49,0 | 35,9 | 110 |    |   |   |
| 114               | -     | 58,3  | -     | 60,5  | 58,8  | 61,0  | -     | -     | 60,5  | 62,5             | 63,5  | 63,5  | 62,6  | 64,7  | 61,6  | 47,3 | 61,0  | 55,2  | - | -   | - | - | - | - | 48,0 | 35,4 | 114 |    |   |   |
| 116               | -     | 55,1  | -     | 57,5  | 55,6  | 58,0  | -     | -     | 57,5  | 59,5             | 60,5  | 61,5  | 59,8  | 61,9  | 60,8  | 47,0 | 59,5  | 54,4  | - | -   | - | - | - | - | 47,5 | 35,1 | 116 |    |   |   |
| 118               | -     | 52,0  | -     | 54,5  | 52,5  | 55,0  | -     | -     | 54,5  | 56,5             | 57,5  | -     | 57,0  | 59,0  | 60,0  | 46,8 | 58,0  | 54,0  | - | -   | - | - | - | - | 47,0 | 34,9 | 118 |    |   |   |
| 122               | -     | 46,0  | -     | 48,5  | 46,5  | 48,9  | -     | -     | 48,8  | 51,0             | 51,7  | -     | 51,5  | 53,6  | 54,3  | 46,4 | 52,6  | 52,6  | - | -   | - | - | - | - | 46,0 | 34,5 | 122 |    |   |   |
| 124               | -     | 43,7  | -     | 45,5  | 43,9  | 45,9  | -     | -     | 46,0  | 48,3             | 48,9  | -     | 48,8  | 51,0  | 51,5  | -    | 50,0  | 52,0  | - | -   | - | - | - | - | 45,6 | 34,4 | 124 |    |   |   |
| 125               | -     | 42,8  | -     | 44,3  | -     | 44,6  | -     | -     | 44,6  | 46,9             | 47,5  | -     | 47,5  | 49,6  | 50,2  | -    | 48,8  | 50,8  | - | -   | - | - | - | - | 45,4 | 34,3 | 125 |    |   |   |
| 126               | -     | 42,0  | -     | 43,5  | -     | -     | -     | -     | 43,2  | 45,5             | 46,1  | -     | 46,2  | 48,3  | 48,9  | -    | 47,6  | 49,6  | - | -   | - | - | - | - | 45,2 | 34,2 | 126 |    |   |   |
| 127               | -     | 41,1  | -     | 42,7  | -     | -     | -     | -     | 41,9  | 44,2             | 44,7  | -     | 44,9  | 47,0  | 47,7  | -    | 46,4  | 48,5  | - | -   | - | - | - | - | 45,0 | 34,2 | 127 |    |   |   |
| 128               | -     | 40,3  | -     | 41,9  | -     | -     | -     | -     | 40,6  | 42,8             | 43,3  | -     | 43,6  | 45,7  | 46,4  | -    | 45,2  | 47,3  | - | -   | - | - | - | - | 44,8 | -    | 128 |    |   |   |
| 130               | -     | -     | -     | 40,3  | -     | -     | -     | -     | 39,0  | 40,4             | 40,7  | -     | 41,0  | 43,1  | 43,9  | -    | 42,9  | 45,0  | - | -   | - | - | - | - | 44,5 | -    | 130 |    |   |   |
| 131               | -     | -     | -     | 39,0  | -     | -     | -     | -     | 38,0  | 39,6             | 39,9  | -     | 39,7  | 41,8  | 42,6  | -    | 41,7  | 43,8  | - | -   | - | - | - | - | 43,5 | -    | 131 |    |   |   |
| 134               | -     | -     | -     | -     | -     | -     | -     | -     | 35,1  | 37,1             | -     | -     | 37,3  | 38,0  | 38,7  | -    | 38,1  | 40,2  | - | -   | - | - | - | - | 40,6 | -    | 134 |    |   |   |
| 136               | -     | -     | -     | -     | -     | -     | -     | -     | 33,2  | 35,5             | -     | -     | 35,8  | 36,4  | 36,8  | -    | 36,2  | 37,8  | - | -   | - | - | - | - | 38,7 | -    | 136 |    |   |   |
| 137               | -     | -     | -     | -     | -     | -     | -     | -     | -     | 34,2             | -     | -     | 34,7  | 35,5  | -     | -    | 35,4  | 36,6  | - | -   | - | - | - | - | 37,5 | -    | 137 |    |   |   |
| 138               | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | 33,7  | 34,7  | -     | -    | 34,6  | 35,4  | - | -   | - | - | - | - | 36,3 | -    | 138 |    |   |   |
| 140               | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | 31,6  | 33,0  | -     | -    | 33,0  | 33,5  | - | -   | - | - | - | - | 34,0 | -    | 140 |    |   |   |
| 142               | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | 31,4  | -     | -    | 31,4  | 32,2  | - | -   | - | - | - | - | 32,6 | -    | 142 |    |   |   |
| 143               | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | 30,2  | -     | -    | 30,3  | 31,3  | - | -   | - | - | - | - | -    | -    | 143 |    |   |   |
| 146               | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | 27,0  | 28,8  | - | -   | - | - | - | - | -    | -    | 146 |    |   |   |
| 148               | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | 24,9  | 27,1  | - | -   | - | - | - | - | -    | -    | 148 |    |   |   |

0t 80t 160t 240t 320t 400t 450t

# SSL/LSL+LF, SSL/LSL S1+LF

CC 6800-1

| 138 m        |       |       |       |       |       |       |       |       |       |                  |       |       |       |       |       |      |       |       |     |     |  |  |  |  |     |  |  |  |  |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|-------|-------|-------|-------|-------|------|-------|-------|-----|-----|--|--|--|--|-----|--|--|--|--|
| * SSL/LSL+LF |       |       |       |       |       |       |       |       |       | ** SSL/LSL S1+LF |       |       |       |       |       |      |       |       |     |     |  |  |  |  |     |  |  |  |  |
| **           |       |       |       |       | *     |       |       |       |       | **               |       |       |       |       | *     |      |       |       |     |     |  |  |  |  |     |  |  |  |  |
| 15 m         |       |       |       |       | 21 m  |       |       |       |       | 27 m             |       |       |       |       | 33 m  |      |       |       |     |     |  |  |  |  |     |  |  |  |  |
| 0 t - 450 t  |       |       |       |       |       |       |       |       |       | 0-450 t          |       |       |       |       |       |      |       |       |     |     |  |  |  |  |     |  |  |  |  |
| 15°          |       |       |       |       | 20°   |       |       |       |       | 30°              |       |       |       |       | 15°   |      |       |       |     | 20° |  |  |  |  | 30° |  |  |  |  |
| m            | t     | t     | t     | t     | t     | t     | t     | t     | t     | t                | t     | t     | t     | t     | t     | t    | t     | t     | m   |     |  |  |  |  |     |  |  |  |  |
| 20           | 152,0 | 181,0 | 150,0 | 165,0 | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | -     | -     | 20  |     |  |  |  |  |     |  |  |  |  |
| 21           | 144,7 | 181,0 | 143,5 | 164,7 | 175,0 | 158,0 | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | -     | -     | 21  |     |  |  |  |  |     |  |  |  |  |
| 22           | 137,5 | 181,0 | 137,0 | 164,5 | 175,0 | 158,0 | -     | -     | 155,0 | 141,0            | -     | -     | -     | -     | -     | -    | -     | -     | 22  |     |  |  |  |  |     |  |  |  |  |
| 23           | 130,2 | 181,0 | 131,2 | 164,2 | 175,0 | 158,0 | 155,0 | 130,0 | 155,0 | 141,0            | -     | -     | -     | -     | -     | -    | -     | -     | 23  |     |  |  |  |  |     |  |  |  |  |
| 24           | 123,0 | 181,0 | 126,0 | 164,0 | 175,0 | 158,0 | 155,0 | 130,0 | 155,0 | 141,0            | 129,0 | -     | 131,0 | 119,0 | -     | -    | -     | -     | 24  |     |  |  |  |  |     |  |  |  |  |
| 26           | 112,0 | 181,0 | 115,0 | 163,0 | 175,0 | 157,0 | 154,0 | 129,5 | 155,0 | 140,0            | 129,0 | -     | 131,0 | 119,0 | 107,0 | -    | 109,0 | 101,0 | 26  |     |  |  |  |  |     |  |  |  |  |
| 27           | 106,5 | 181,0 | 109,5 | 162,5 | 175,0 | 156,5 | 153,5 | 129,2 | 155,0 | 139,5            | 129,0 | 109,0 | 131,0 | 119,0 | 107,0 | -    | 109,0 | 101,0 | 27  |     |  |  |  |  |     |  |  |  |  |
| 28           | 101,0 | 181,0 | 104,0 | 162,0 | 175,0 | 156,0 | 153,0 | 129,0 | 155,0 | 139,0            | 129,0 | 109,0 | 131,0 | 119,0 | 107,0 | -    | 109,0 | 101,0 | 28  |     |  |  |  |  |     |  |  |  |  |
| 29           | 96,5  | 180,7 | 99,5  | 161,2 | 174,7 | 155,2 | 152,5 | 128,7 | 155,0 | 138,2            | 128,7 | 108,7 | 131,0 | 118,7 | 106,7 | -    | 109,0 | 101,0 | 29  |     |  |  |  |  |     |  |  |  |  |
| 30           | 92,0  | 180,5 | 95,0  | 160,5 | 174,5 | 154,5 | 152,0 | 128,5 | 155,0 | 137,5            | 128,5 | 108,5 | 131,0 | 118,5 | 106,5 | 83,0 | 109,0 | 101,0 | 30  |     |  |  |  |  |     |  |  |  |  |
| 34           | 75,7  | 179,0 | 78,7  | 157,0 | 173,5 | 151,5 | 150,0 | 127,5 | 154,5 | 134,5            | 127,0 | 106,5 | 131,0 | 117,0 | 105,5 | 80,7 | 109,0 | 100,5 | 34  |     |  |  |  |  |     |  |  |  |  |
| 38           | 62,2  | 177,0 | 65,5  | 153,0 | 172,0 | 148,0 | 147,5 | 126,0 | 153,0 | 131,5            | 125,0 | 103,0 | 131,0 | 114,5 | 104,5 | 77,5 | 109,0 | 99,2  | 38  |     |  |  |  |  |     |  |  |  |  |
| 42           | 49,5  | 175,0 | 53,0  | 149,0 | 170,0 | 144,0 | 144,6 | 124,0 | 151,0 | 128,3            | 122,3 | 99,3  | 130,0 | 111,6 | 102,6 | 74,6 | 108,6 | 97,3  | 42  |     |  |  |  |  |     |  |  |  |  |
| 46           | 36,7  | 173,0 | 40,2  | 145,0 | 168,0 | 140,0 | 142,0 | 122,0 | 149,0 | 125,0            | 119,0 | 96,0  | 128,0 | 109,0 | 100,0 | 72,0 | 108,0 | 95,0  | 46  |     |  |  |  |  |     |  |  |  |  |
| 50           | 28,5  | 164,3 | 32,0  | 140,3 | 159,3 | 136,0 | 140,0 | 120,0 | 146,3 | 121,0            | 115,6 | 92,6  | 126,0 | 105,6 | 98,0  | 69,3 | 107,3 | 92,6  | 50  |     |  |  |  |  |     |  |  |  |  |
| 54           | 20,3  | 158,0 | 23,8  | 135,6 | 155,0 | 131,6 | 137,6 | 118,0 | 140,3 | 117,0            | 112,3 | 89,6  | 123,6 | 102,3 | 95,6  | 67,0 | 105,6 | 90,0  | 54  |     |  |  |  |  |     |  |  |  |  |
| 58           | 12,2  | 153,0 | 15,8  | 131,0 | 149,0 | 127,0 | 135,0 | 116,0 | 135,0 | 113,0            | 109,0 | 87,0  | 121,0 | 99,0  | 93,0  | 65,0 | 103,0 | 87,0  | 58  |     |  |  |  |  |     |  |  |  |  |
| 62           | 5,4   | 148,5 | 9,3   | 123,0 | 146,0 | 119,0 | 133,0 | 114,6 | 131,5 | 109,0            | 105,0 | 84,6  | 116,3 | 96,0  | 90,0  | 63,0 | 99,3  | 84,0  | 62  |     |  |  |  |  |     |  |  |  |  |
| 64           | -     | 145,0 | 6,1   | 120,0 | 144,0 | 117,0 | 132,0 | 114,0 | 129,0 | 107,0            | 103,0 | 83,5  | 114,0 | 94,5  | 88,5  | 62,0 | 97,5  | 82,5  | 64  |     |  |  |  |  |     |  |  |  |  |
| 66           | -     | 143,0 | -     | 117,6 | 139,6 | 115,3 | 131,0 | 110,0 | 125,6 | 104,5            | 102,0 | 82,5  | 112,6 | 93,0  | 87,2  | 61,2 | 95,6  | 81,1  | 66  |     |  |  |  |  |     |  |  |  |  |
| 70           | -     | 139,0 | -     | 113,0 | 137,0 | 112,0 | 129,0 | 107,0 | 123,0 | 99,0             | 99,0  | 80,0  | 110,0 | 89,5  | 84,5  | 59,5 | 92,0  | 78,5  | 70  |     |  |  |  |  |     |  |  |  |  |
| 74           | -     | 130,3 | -     | 108,6 | 129,6 | 106,3 | 126,3 | 102,3 | 118,3 | 96,0             | 93,3  | 78,3  | 104,3 | 86,8  | 81,8  | 57,8 | 88,3  | 75,8  | 74  |     |  |  |  |  |     |  |  |  |  |
| 78           | -     | 121,0 | -     | 104,6 | 121,3 | 103,3 | 121,0 | 99,0  | 115,3 | 92,3             | 90,6  | 76,5  | 101,8 | 81,9  | 79,0  | 56,3 | 84,8  | 73,3  | 78  |     |  |  |  |  |     |  |  |  |  |
| 82           | -     | 111,0 | -     | 102,0 | 112,0 | 100,0 | 113,0 | 97,0  | 112,0 | 89,0             | 88,0  | 74,5  | 99,5  | 79,0  | 76,0  | 55,0 | 81,5  | 71,0  | 82  |     |  |  |  |  |     |  |  |  |  |
| 86           | -     | 103,0 | -     | 99,6  | 103,2 | 97,6  | 104,0 | 94,5  | 104,0 | 86,5             | 84,0  | 73,2  | 97,0  | 76,6  | 72,7  | 53,6 | 78,5  | 67,0  | 86  |     |  |  |  |  |     |  |  |  |  |
| 90           | -     | 95,3  | -     | 96,0  | 96,0  | 95,1  | 96,5  | 92,5  | 96,3  | 84,0             | 82,0  | 71,8  | 94,0  | 73,1  | 71,0  | 52,5 | 75,8  | 64,1  | 90  |     |  |  |  |  |     |  |  |  |  |
| 94           | -     | 88,0  | -     | 91,0  | 89,0  | 91,5  | 89,5  | 89,5  | 89,0  | 82,0             | 80,0  | 70,5  | 90,0  | 71,5  | 69,0  | 51,5 | 73,5  | 62,5  | 94  |     |  |  |  |  |     |  |  |  |  |
| 98           | -     | 81,6  | -     | 84,6  | 82,3  | 85,1  | 83,1  | 84,8  | 82,3  | 80,0             | 78,3  | 69,1  | 83,6  | 70,1  | 67,1  | 50,5 | 71,1  | 60,8  | 98  |     |  |  |  |  |     |  |  |  |  |
| 102          | -     | 75,5  | -     | 78,6  | 75,8  | 79,0  | 76,8  | 79,6  | 76,1  | 77,1             | 76,3  | 68,0  | 77,6  | 69,0  | 66,1  | 49,7 | 69,0  | 58,6  | 102 |     |  |  |  |  |     |  |  |  |  |
| 106          | -     | 69,0  | -     | 73,0  | 69,5  | 73,0  | 70,5  | 74,0  | 70,5  | 73,5             | 74,0  | 67,0  | 72,0  | 68,0  | 65,5  | 49,0 | 67,0  | 58,0  | 106 |     |  |  |  |  |     |  |  |  |  |
| 110          | -     | 62,6  | -     | 66,6  | 63,2  | 67,0  | 64,0  | 67,6  | 64,5  | 67,8             | 68,3  | 66,0  | 66,0  | 67,0  | 64,1  | 48,2 | 65,0  | 57,3  | 110 |     |  |  |  |  |     |  |  |  |  |
| 112          | -     | 59,5  | -     | 63,5  | 60,0  | 64,0  | 61,0  | 64,5  | 61,5  | 65,0             | 65,5  | 65,5  | 63,0  | 66,5  | 63,5  | 47,9 | 64,0  | 57,0  | 112 |     |  |  |  |  |     |  |  |  |  |
| 114          | -     | 56,5  | -     | 60,5  | 57,0  | 61,0  | -     | 61,5  | 58,5  | 62,1             | 62,5  | 63,5  | 60,1  | 64,0  | 62,8  | 47,6 | 61,3  | 56,3  | 114 |     |  |  |  |  |     |  |  |  |  |
| 118          | -     | 50,5  | -     | 54,5  | 51,0  | 55,0  | -     | -     | 52,5  | 56,5             | 57,0  | 58,0  | 54,5  | 58,0  | 59,0  | 47,0 | 56,0  | 55,0  | 118 |     |  |  |  |  |     |  |  |  |  |
| 120          | -     | 47,7  | -     | 51,7  | 48,2  | 52,2  | -     | -     | 49,8  | 53,8             | 54,3  | 55,5  | 52,0  | 55,5  | 56,3  | 46,8 | 53,4  | 53,8  | 120 |     |  |  |  |  |     |  |  |  |  |
| 122          | -     | 45,0  | -     | 48,9  | 45,4  | 49,4  | -     | -     | 47,2  | 51,1             | 51,6  | -     | 49,5  | 53,0  | 53,6  | 46,6 | 50,8  | 52,6  | 122 |     |  |  |  |  |     |  |  |  |  |
| 126          | -     | 39,5  | -     | 43,4  | 39,9  | 43,8  | -     | -     | 42,0  | 45,8             | 46,4  | -     | 44,5  | 48,0  | 48,6  | 46,2 | 45,9  | 49,1  | 126 |     |  |  |  |  |     |  |  |  |  |
| 128          | -     | 37,3  | -     | 40,7  | 37,5  | 41,1  | -     | -     | 39,4  | 43,2             | 43,8  | -     | 42,0  | 45,5  | 46,2  | -    | 43,5  | 46,8  | 128 |     |  |  |  |  |     |  |  |  |  |
| 130          | -     | 35,7  | -     | 38,5  | -     | 38,7  | -     | -     | 36,9  | 40,6             | 41,2  | -     | 39,5  | 43,1  | 43,9  | -    | 41,1  | 44,5  | 130 |     |  |  |  |  |     |  |  |  |  |
| 132          | -     | 33,6  | -     | 36,8  | -     | -     | -     | -     | 34,4  | 38,1             | 38,6  | -     | 37,1  | 40,7  | 41,5  | -    | 38,7  | 42,2  | 132 |     |  |  |  |  |     |  |  |  |  |
| 134          | -     | 31,5  | -     | 35,1  | -     | -     | -     | -     | 32,9  | 35,6             | 36,1  | -     | 34,7  | 38,3  | 39,1  | -    | 36,4  | 39,9  | 134 |     |  |  |  |  |     |  |  |  |  |
| 136          | -     | 29,5  | -     | 33,5  | -     | -     | -     | -     | 31,5  | 34,1             | 34,4  | -     | 32,9  | 35,9  | 36,7  | -    | 34,2  | 37,6  | 136 |     |  |  |  |  |     |  |  |  |  |
| 138          | -     | -     | -     | -     | -     | -     | -     | -     | 29,5  | 32,4             | -     | -     | 31,2  | 33,6  | 34,3  | -    | 32,0  | 35,4  | 138 |     |  |  |  |  |     |  |  |  |  |
| 140          | -     | -     | -     | -     | -     | -     | -     | -     | 27,6  | 30,7             | -     | -     | 29,6  | 31,8  | 32,2  | -    | 30,3  | 33,2  | 140 |     |  |  |  |  |     |  |  |  |  |
| 141          | -     | -     | -     | -     | -     | -     | -     | -     | 29,8  | -                | -     | -     | 28,8  | 31,1  | 31,5  | -    | 29,5  | 32,1  | 141 |     |  |  |  |  |     |  |  |  |  |
| 142          | -     | -     | -     | -     | -     | -     | -     | -     | 29,0  | -                | -     | -     | 28,0  | 30,5  | -     | -    | 28,7  | 31,0  | 142 |     |  |  |  |  |     |  |  |  |  |
| 146          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | 23,9  | 27,0  | -     | -    | 25,5  | 28,3  | 146 |     |  |  |  |  |     |  |  |  |  |
| 147          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | 22,8  | 26,1  | -     | -    | 24,7  | 27,8  | 147 |     |  |  |  |  |     |  |  |  |  |
| 148          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | 21,7  | 25,3  | -     | -    | 23,9  | 27,3  | 148 |     |  |  |  |  |     |  |  |  |  |
| 150          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | 21,8  | 25,3  | 150 |     |  |  |  |  |     |  |  |  |  |
| 152          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | 19,8  | 23,3  | 152 |     |  |  |  |  |     |  |  |  |  |
| 154          | -     | -     | -     | -     | -     | -     | -     | -     | -     | -                | -     | -     | -     | -     | -     | -    | -     | 21,3  | -   | 154 |  |  |  |  |     |  |  |  |  |

0t 
 80t 
 160t 
 240t 
 320t 
 400t 
 450t

# SSL/LSL+LF, SSL/LSL S1+LF

CC 6800-1

| 250 t + 80 t                     |       | 15-33 m |       | 15-24 m |       | 9,60 m |       | 9.8 m/s |       | 360°  |       | ISO   |       |       |      |      |     |
|----------------------------------|-------|---------|-------|---------|-------|--------|-------|---------|-------|-------|-------|-------|-------|-------|------|------|-----|
| 144 m                            |       |         |       |         |       |        |       |         |       |       |       |       |       |       |      |      |     |
| * SSL/LSL+LF    ** SSL/LSL S1+LF |       |         |       |         |       |        |       |         |       |       |       |       |       |       |      |      |     |
| **                               |       |         |       | *       |       | **     |       | *       |       | **    |       | *     |       |       |      |      |     |
| 15 m                             |       |         |       | 21 m    |       |        |       | 27 m    |       |       |       | 33 m  |       |       |      |      |     |
| 0 t                              |       | 0 t     |       | 0-450 t |       |        |       |         |       |       |       |       |       |       |      |      |     |
| 15°                              |       | 20°     |       | 30°     |       | 15°    |       | 20°     |       | 30°   |       | 15°   |       | 20°   |      | 30°  |     |
| m                                | t     | t       | t     | t       | t     | t      | t     | t       | t     | t     | t     | t     | t     | t     | t    | t    | m   |
| 20                               | 146,0 | 168,0   | 135,0 | 143,0   | -     | -      | -     | -       | -     | -     | -     | -     | -     | -     | -    | -    | 20  |
| 22                               | 131,5 | 168,0   | 125,5 | 142,5   | 163,0 | 136,0  | -     | -       | 145,0 | 121,0 | -     | -     | -     | -     | -    | -    | 22  |
| 24                               | 117,0 | 168,0   | 123,0 | 142,0   | 163,0 | 136,0  | 151,0 | 124,0   | 145,0 | 121,0 | 113,0 | -     | 124,0 | 103,0 | -    | -    | 24  |
| 26                               | 106,2 | 167,5   | 112,0 | 140,5   | 162,5 | 134,5  | 150,5 | 123,5   | 145,0 | 120,0 | 113,0 | -     | 124,0 | 103,0 | -    | -    | 26  |
| 27                               | 100,8 | 167,2   | 106,5 | 139,7   | 162,2 | 133,7  | 150,2 | 123,2   | 145,0 | 119,5 | 113,0 | 100,0 | 124,0 | 103,0 | 96,0 | -    | 27  |
| 28                               | 95,5  | 167,0   | 101,0 | 139,0   | 162,0 | 133,0  | 150,0 | 123,0   | 145,0 | 119,0 | 113,0 | 100,0 | 124,0 | 103,0 | 96,0 | -    | 28  |
| 29                               | 91,1  | 166,7   | 96,6  | 138,0   | 161,7 | 132,2  | 149,5 | 122,2   | 144,7 | 118,2 | 112,2 | 99,8  | 124,0 | 102,2 | 95,6 | -    | 29  |
| 30                               | 86,7  | 166,5   | 92,2  | 137,0   | 161,5 | 131,5  | 149,0 | 121,5   | 144,5 | 117,5 | 111,5 | 99,7  | 124,0 | 101,5 | 95,2 | -    | 30  |
| 31                               | 82,3  | 166,2   | 87,8  | 136,0   | 161,2 | 130,7  | 148,5 | 120,7   | 144,2 | 116,7 | 110,7 | 99,6  | 124,0 | 100,7 | 94,8 | 81,0 | 31  |
| 34                               | 71,0  | 165,5   | 76,5  | 133,0   | 160,5 | 128,0  | 147,0 | 118,5   | 143,0 | 114,0 | 108,5 | 98,2  | 124,0 | 99,0  | 93,5 | 80,2 | 34  |
| 38                               | 58,0  | 164,0   | 63,5  | 129,0   | 159,0 | 124,0  | 145,0 | 115,5   | 141,5 | 110,5 | 105,5 | 95,7  | 123,0 | 96,5  | 91,0 | 78,0 | 38  |
| 42                               | 45,7  | 161,6   | 51,4  | 124,6   | 157,0 | 120,0  | 142,6 | 112,0   | 140,0 | 107,0 | 102,3 | 93,1  | 121,3 | 93,5  | 88,1 | 75,0 | 42  |
| 46                               | 33,3  | 159,0   | 39,3  | 120,0   | 155,0 | 116,0  | 140,0 | 108,0   | 138,0 | 103,0 | 99,0  | 90,5  | 120,0 | 90,5  | 85,5 | 72,0 | 46  |
| 50                               | 25,0  | 152,3   | 31,1  | 115,3   | 152,3 | 112,0  | 138,0 | 104,6   | 135,3 | 99,3  | 95,6  | 87,8  | 118,0 | 87,1  | 82,8 | 69,6 | 50  |
| 54                               | 16,8  | 149,0   | 22,9  | 111,0   | 145,6 | 108,0  | 136,0 | 101,5   | 131,6 | 95,8  | 92,3  | 85,1  | 116,0 | 83,8  | 80,0 | 67,5 | 54  |
| 58                               | 8,6   | 145,0   | 14,9  | 107,0   | 143,0 | 104,0  | 134,0 | 98,5    | 127,0 | 92,5  | 89,0  | 82,5  | 114,0 | 80,5  | 77,0 | 65,5 | 58  |
| 60                               | 5,1   | 141,6   | 11,6  | 104,6   | 137,6 | 102,1  | 133,0 | 96,8    | 125,6 | 90,8  | 87,3  | 81,1  | 112,5 | 79,1  | 75,6 | 64,5 | 60  |
| 62                               | -     | 140,3   | 8,3   | 102,2   | 136,3 | 100,3  | 130,0 | 95,1    | 124,3 | 89,1  | 85,6  | 79,8  | 111,0 | 77,8  | 74,3 | 63,5 | 62  |
| 64                               | -     | 139,0   | 5,1   | 100,0   | 135,0 | 98,5   | 129,0 | 93,5    | 123,0 | 87,5  | 84,0  | 78,5  | 110,0 | 76,5  | 73,0 | 62,5 | 64  |
| 66                               | -     | 134,3   | -     | 98,3    | 131,3 | 96,6   | 127,6 | 92,2    | 118,6 | 85,8  | 82,8  | 77,5  | 105,6 | 74,9  | 72,0 | 61,6 | 66  |
| 70                               | -     | 131,0   | -     | 95,0    | 128,0 | 93,0   | 125,0 | 89,0    | 116,0 | 82,5  | 80,0  | 75,0  | 103,0 | 72,5  | 69,5 | 60,0 | 70  |
| 74                               | -     | 125,6   | -     | 88,8    | 124,6 | 87,5   | 120,3 | 86,3    | 111,3 | 79,8  | 77,3  | 73,0  | 99,0  | 69,8  | 67,1 | 58,3 | 74  |
| 78                               | -     | 118,0   | -     | 85,6    | 118,3 | 84,5   | 116,0 | 81,6    | 109,0 | 76,8  | 74,7  | 70,8  | 97,0  | 67,2  | 65,0 | 56,8 | 78  |
| 82                               | -     | 108,0   | -     | 82,5    | 109,0 | 81,5   | 110,0 | 79,0    | 107,0 | 72,5  | 72,0  | 68,5  | 95,0  | 65,0  | 63,0 | 55,5 | 82  |
| 86                               | -     | 100,0   | -     | 79,2    | 100,6 | 78,0   | 101,6 | 76,6    | 100,0 | 70,1  | 68,5  | 66,1  | 91,5  | 63,0  | 61,0 | 54,2 | 86  |
| 90                               | -     | 92,3    | -     | 77,0    | 92,8  | 76,0   | 93,8  | 73,6    | 92,8  | 68,0  | 66,5  | 63,6  | 89,5  | 59,6  | 58,6 | 53,0 | 90  |
| 94                               | -     | 85,0    | -     | 75,0    | 85,5  | 74,0   | 86,5  | 72,0    | 85,5  | 66,0  | 64,5  | 62,0  | 87,5  | 58,0  | 56,5 | 52,0 | 94  |
| 98                               | -     | 78,3    | -     | 73,6    | 78,8  | 72,6   | 79,8  | 70,6    | 79,1  | 64,1  | 62,6  | 60,6  | 81,1  | 56,4  | 55,1 | 51,0 | 98  |
| 102                              | -     | 72,0    | -     | 72,1    | 72,5  | 71,3   | 73,5  | 69,5    | 73,0  | 62,8  | 61,5  | 59,1  | 75,0  | 55,0  | 53,6 | 50,1 | 102 |
| 106                              | -     | 66,0    | -     | 70,5    | 66,5  | 70,0   | 67,5  | 68,5    | 67,0  | 61,5  | 60,5  | 58,5  | 68,5  | 54,0  | 52,5 | 49,3 | 106 |
| 110                              | -     | 59,6    | -     | 66,1    | 60,5  | 66,4   | 61,1  | 65,8    | 61,0  | 60,1  | 59,1  | 57,5  | 62,8  | 53,0  | 51,8 | 48,5 | 110 |
| 114                              | -     | 53,8    | -     | 60,6    | 54,6  | 61,1   | 55,0  | 61,6    | 55,3  | 58,3  | 58,0  | 56,5  | 57,1  | 51,8  | 51,0 | 47,9 | 114 |
| 116                              | -     | 51,1    | -     | 57,8    | 51,7  | 58,3   | 52,0  | 58,8    | 52,6  | 57,1  | 57,5  | 56,2  | 54,3  | 51,4  | 50,5 | 47,6 | 116 |
| 118                              | -     | 48,4    | -     | 55,0    | 48,9  | 55,5   | -     | 56,0    | 50,0  | 56,0  | 57,0  | 56,0  | 51,5  | 51,0  | 50,0 | 47,3 | 118 |
| 122                              | -     | 43,0    | -     | 49,6    | 43,4  | 50,1   | -     | -       | 44,8  | 51,0  | 51,8  | 52,0  | 46,7  | 50,0  | 49,2 | 46,7 | 122 |
| 124                              | -     | 40,3    | -     | 46,9    | 40,7  | 47,4   | -     | -       | 42,2  | 48,6  | 49,2  | 50,0  | 44,3  | 49,6  | 48,8 | 46,5 | 124 |
| 126                              | -     | 37,7    | -     | 44,3    | 38,1  | 44,8   | -     | -       | 39,7  | 46,1  | 46,7  | -     | 41,9  | 47,4  | 47,2 | 46,1 | 126 |
| 130                              | -     | 32,6    | -     | 39,3    | 33,0  | 39,6   | -     | -       | 34,9  | 41,2  | 41,8  | -     | 37,1  | 43,2  | 44,0 | 45,3 | 130 |
| 132                              | -     | 31,0    | -     | 36,8    | 31,3  | 37,1   | -     | -       | 32,5  | 38,8  | 39,4  | -     | 34,8  | 40,9  | 41,7 | -    | 132 |
| 134                              | -     | 29,5    | -     | 34,4    | -     | 34,6   | -     | -       | 30,1  | 36,4  | 37,0  | -     | 32,5  | 38,6  | 39,4 | -    | 134 |
| 135                              | -     | 28,7    | -     | 33,6    | -     | 33,8   | -     | -       | 29,2  | 35,2  | 35,8  | -     | 31,4  | 37,5  | 38,3 | -    | 135 |
| 136                              | -     | 28,0    | -     | 32,9    | -     | -      | -     | -       | 28,6  | 34,1  | 34,7  | -     | 30,3  | 36,4  | 37,2 | -    | 136 |
| 138                              | -     | 25,7    | -     | 31,3    | -     | -      | -     | -       | 26,8  | 31,8  | 32,3  | -     | 28,1  | 34,2  | 34,9 | -    | 138 |
| 140                              | -     | 23,4    | -     | 29,7    | -     | -      | -     | -       | 25,1  | 30,5  | 30,6  | -     | 26,3  | 32,0  | 32,7 | -    | 140 |
| 141                              | -     | -       | -     | 29,0    | -     | -      | -     | -       | 24,2  | 29,9  | -     | -     | 25,5  | 30,9  | 31,6 | -    | 141 |
| 142                              | -     | -       | -     | -       | -     | -      | -     | -       | 23,4  | 29,3  | -     | -     | 24,7  | 29,9  | 30,6 | -    | 142 |
| 144                              | -     | -       | -     | -       | -     | -      | -     | -       | 21,5  | 27,4  | -     | -     | 23,1  | 28,5  | 28,8 | -    | 144 |
| 146                              | -     | -       | -     | -       | -     | -      | -     | -       | -     | 25,6  | -     | -     | 21,6  | 27,4  | 27,8 | -    | 146 |
| 147                              | -     | -       | -     | -       | -     | -      | -     | -       | 24,7  | -     | -     | -     | 20,8  | 26,8  | -    | -    | 147 |
| 150                              | -     | -       | -     | -       | -     | -      | -     | -       | -     | -     | -     | -     | 18,1  | 24,3  | -    | -    | 150 |
| 152                              | -     | -       | -     | -       | -     | -      | -     | -       | -     | -     | -     | -     | 16,1  | 22,3  | -    | -    | 152 |
| 153                              | -     | -       | -     | -       | -     | -      | -     | -       | -     | -     | -     | -     | -     | 21,3  | -    | -    | 153 |
| 154                              | -     | -       | -     | -       | -     | -      | -     | -       | -     | -     | -     | -     | -     | -     | -    | 16,0 | 154 |
| 156                              | -     | -       | -     | -       | -     | -      | -     | -       | -     | -     | -     | -     | -     | -     | -    | 14,3 | 156 |
| 158                              | -     | -       | -     | -       | -     | -      | -     | -       | -     | -     | -     | -     | -     | -     | -    | -    | 158 |
| 159                              | -     | -       | -     | -       | -     | -      | -     | -       | -     | -     | -     | -     | -     | -     | -    | -    | 159 |

0t 80t 160t 240t 320t 400t 450t

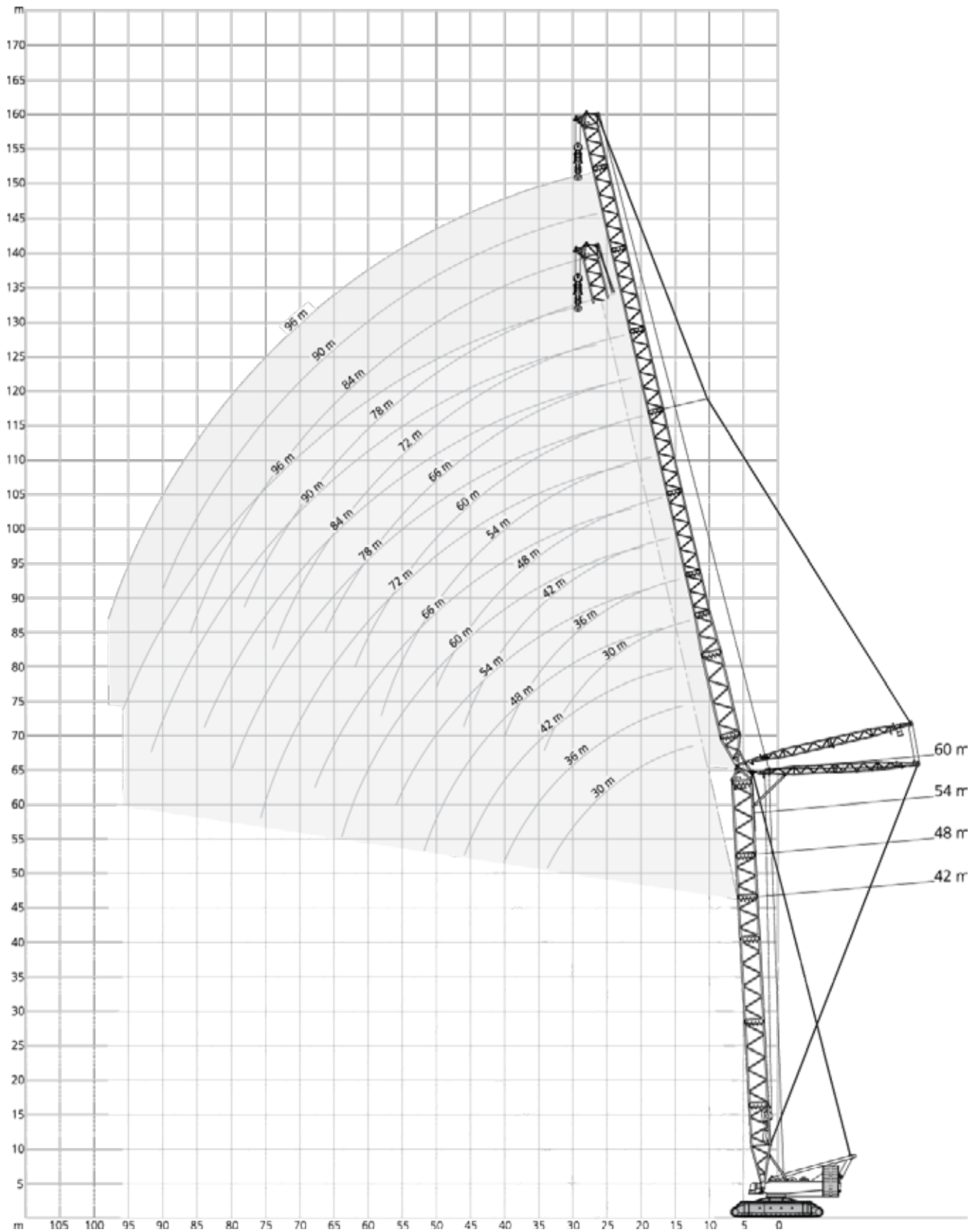
# SSL/LSL+LF, SSL/LSL S1+LF





CC 6800-1


| 250 t + 80 t |       | 15-33 m |       | 15-24 m |       | 9,6 m |                  | 9.8 m/s |       | 360°  |       | ISO  |       |      |      |      |     |
|--------------|-------|---------|-------|---------|-------|-------|------------------|---------|-------|-------|-------|------|-------|------|------|------|-----|
| 150 m        |       |         |       |         |       |       |                  |         |       |       |       |      |       |      |      |      |     |
| * SSL/LSL+LF |       |         |       |         |       |       | ** SSL/LSL S1+LF |         |       |       |       |      |       |      |      |      |     |
| **           |       |         | *     |         | **    |       | *                |         | **    |       | *     |      | **    |      |      |      |     |
| 15 m         |       |         |       | 21 m    |       |       |                  | 27 m    |       |       |       | 33 m |       |      |      |      |     |
| 0 t          |       | 0 t     |       | 0-450 t |       |       |                  |         |       |       |       |      |       |      |      |      |     |
| 15°          |       | 20°     |       | 30°     |       | 15°   |                  | 20°     |       | 30°   |       | 15°  |       | 20°  |      | 30°  |     |
| m            | t     | t       | t     | t       | t     | t     | t                | t       | t     | t     | t     | t    | t     | t    | t    | t    | t   |
| 21           | 132,0 | 155,0   | 119,0 | 127,0   | -     | -     | -                | -       | -     | -     | -     | -    | -     | -    | -    | -    | 21  |
| 22           | 125,3 | 154,6   | 116,3 | 126,6   | 150,0 | 122,0 | -                | -       | -     | -     | -     | -    | -     | -    | -    | -    | 22  |
| 23           | 118,6 | 154,3   | 114,6 | 126,3   | 150,0 | 122,0 | -                | -       | 134,0 | 108,0 | -     | -    | -     | -    | -    | -    | 23  |
| 24           | 112,0 | 154,0   | 114,0 | 126,0   | 150,0 | 122,0 | 137,0            | 112,0   | 134,0 | 108,0 | -     | -    | -     | -    | -    | -    | 24  |
| 25           | 106,7 | 154,0   | 109,3 | 125,2   | 149,7 | 121,2 | 137,0            | 111,7   | 133,7 | 107,7 | 103,0 | -    | 116,0 | 92,5 | -    | -    | 25  |
| 26           | 101,5 | 154,0   | 104,7 | 124,5   | 149,5 | 120,5 | 137,0            | 111,5   | 133,5 | 107,5 | 102,6 | -    | 116,0 | 92,5 | -    | -    | 26  |
| 27           | 96,2  | 154,0   | 101,1 | 123,7   | 149,2 | 119,7 | 137,0            | 111,2   | 133,2 | 107,2 | 102,3 | -    | 116,0 | 92,5 | 86,5 | -    | 27  |
| 28           | 91,0  | 154,0   | 97,5  | 123,0   | 149,0 | 119,0 | 137,0            | 111,0   | 133,0 | 107,0 | 102,0 | 85,0 | 116,0 | 92,5 | 86,5 | -    | 28  |
| 30           | 82,2  | 153,5   | 89,0  | 121,0   | 148,5 | 117,5 | 136,5            | 109,5   | 132,5 | 105,5 | 100,7 | 85,0 | 116,0 | 91,2 | 86,0 | -    | 30  |
| 31           | 77,8  | 153,2   | 84,7  | 120,0   | 148,2 | 116,7 | 136,2            | 108,7   | 132,2 | 104,7 | 100,1 | 85,0 | 116,0 | 90,6 | 85,7 | 75,5 | 31  |
| 34           | 66,5  | 152,0   | 73,5  | 117,0   | 147,5 | 114,0 | 135,5            | 106,5   | 131,5 | 102,5 | 98,2  | 84,5 | 115,5 | 88,7 | 84,5 | 75,2 | 34  |
| 35           | 63,0  | 151,5   | 70,0  | 116,0   | 147,2 | 113,0 | 135,2            | 105,7   | 131,2 | 101,7 | 97,6  | 84,2 | 115,2 | 88,1 | 84,0 | 75,1 | 35  |
| 38           | 53,7  | 150,5   | 60,7  | 113,0   | 146,5 | 110,0 | 134,0            | 103,5   | 130,5 | 99,5  | 95,5  | 83,7 | 114,5 | 86,2 | 82,2 | 74,2 | 38  |
| 42           | 42,0  | 149,0   | 49,2  | 108,6   | 145,0 | 106,0 | 132,0            | 100,1   | 129,0 | 96,0  | 92,3  | 82,8 | 113,0 | 83,5 | 79,6 | 72,5 | 42  |
| 46           | 30,2  | 147,0   | 37,7  | 104,0   | 143,0 | 102,0 | 130,0            | 96,5    | 127,0 | 92,0  | 89,0  | 81,5 | 111,0 | 80,5 | 77,0 | 70,5 | 46  |
| 50           | 21,9  | 144,3   | 29,5  | 100,0   | 141,0 | 97,6  | 128,6            | 92,8    | 125,0 | 88,3  | 85,3  | 78,8 | 109,6 | 77,5 | 74,3 | 68,1 | 50  |
| 54           | 13,7  | 138,5   | 21,3  | 95,8    | 135,0 | 93,5  | 127,0            | 89,3    | 123,0 | 84,6  | 81,8  | 76,1 | 108,0 | 74,6 | 71,6 | 66,0 | 54  |
| 58           | 5,5   | 136,0   | 13,2  | 91,5    | 133,0 | 89,5  | 125,0            | 86,0    | 121,0 | 81,0  | 78,5  | 73,5 | 106,0 | 72,0 | 69,0 | 64,0 | 58  |
| 62           | -     | 130,3   | 6,5   | 88,0    | 127,3 | 85,9  | 123,0            | 82,6    | 115,3 | 77,8  | 75,5  | 70,8 | 104,0 | 69,0 | 66,3 | 62,0 | 62  |
| 66           | -     | 126,3   | -     | 84,1    | 124,3 | 82,3  | 118,6            | 79,3    | 111,3 | 74,3  | 72,5  | 68,5 | 99,5  | 66,1 | 64,0 | 60,0 | 66  |
| 70           | -     | 122,0   | -     | 80,5    | 121,0 | 79,0  | 116,0            | 76,0    | 108,0 | 71,0  | 69,5  | 66,0 | 97,0  | 63,5 | 61,5 | 58,0 | 70  |
| 74           | -     | 118,6   | -     | 77,5    | 116,3 | 76,0  | 112,0            | 73,3    | 106,0 | 68,3  | 66,8  | 63,6 | 95,0  | 60,8 | 59,1 | 56,0 | 74  |
| 78           | -     | 115,0   | -     | 74,0    | 114,0 | 72,8  | 110,0            | 70,6    | 102,0 | 65,5  | 64,1  | 61,2 | 91,0  | 58,5 | 57,0 | 54,1 | 78  |
| 82           | -     | 105,0   | -     | 70,0    | 106,0 | 70,0  | 107,0            | 68,0    | 100,0 | 63,0  | 61,5  | 59,0 | 89,0  | 56,5 | 55,0 | 52,5 | 82  |
| 86           | -     | 97,0    | -     | 67,3    | 97,6  | 66,1  | 99,0             | 64,1    | 95,6  | 60,6  | 59,1  | 57,0 | 85,8  | 54,1 | 53,0 | 50,8 | 86  |
| 90           | -     | 89,3    | -     | 65,0    | 89,8  | 64,0  | 91,1             | 62,1    | 89,8  | 57,2  | 56,6  | 55,1 | 84,1  | 52,0 | 51,1 | 49,2 | 90  |
| 94           | -     | 82,0    | -     | 63,0    | 82,5  | 62,0  | 83,5             | 60,5    | 82,5  | 55,0  | 54,0  | 53,5 | 82,5  | 50,5 | 49,4 | 47,7 | 94  |
| 98           | -     | 75,3    | -     | 61,1    | 75,8  | 60,1  | 76,8             | 58,6    | 76,1  | 53,2  | 52,5  | 50,9 | 77,5  | 47,8 | 47,6 | 46,2 | 98  |
| 102          | -     | 69,0    | -     | 59,8    | 69,5  | 58,8  | 70,5             | 57,5    | 70,0  | 52,0  | 51,0  | 49,5 | 71,8  | 46,4 | 45,4 | 44,0 | 102 |
| 106          | -     | 63,0    | -     | 58,5    | 63,5  | 57,5  | 64,5             | 56,5    | 64,0  | 51,0  | 50,0  | 48,7 | 65,5  | 45,2 | 44,2 | 42,8 | 106 |
| 110          | -     | 57,0    | -     | 57,1    | 57,5  | 56,3  | 58,5             | 55,5    | 58,3  | 49,8  | 49,1  | 47,7 | 59,8  | 44,1 | 43,2 | 41,8 | 110 |
| 114          | -     | 51,3    | -     | 55,6    | 51,8  | 55,3  | 52,7             | 54,3    | 52,8  | 48,8  | 48,0  | 46,8 | 54,3  | 43,2 | 42,3 | 41,0 | 114 |
| 118          | -     | 46,0    | -     | 54,0    | 46,5  | 54,0  | 47,3             | 53,0    | 47,5  | 47,7  | 47,0  | 46,0 | 49,1  | 42,3 | 41,5 | 40,3 | 118 |
| 120          | -     | 43,3    | -     | 51,4    | 43,8  | 51,6  | 44,6             | 51,2    | 44,9  | 47,1  | 46,5  | 45,5 | 46,6  | 41,8 | 41,0 | 39,9 | 120 |
| 122          | -     | 40,7    | -     | 48,9    | 41,2  | 49,2  | -                | 49,5    | 42,4  | 46,6  | 46,0  | 45,1 | 44,1  | 41,3 | 40,6 | 39,5 | 122 |
| 123          | -     | 39,4    | -     | 47,6    | 39,9  | 48,0  | -                | 48,7    | 41,1  | 46,3  | 45,7  | 44,9 | 42,9  | 41,1 | 40,4 | 39,3 | 123 |
| 126          | -     | 35,7    | -     | 43,9    | 36,2  | 44,3  | -                | -       | 37,5  | 44,2  | 44,0  | 44,2 | 39,4  | 40,4 | 39,7 | 38,8 | 126 |
| 128          | -     | 33,3    | -     | 41,5    | 33,7  | 41,9  | -                | -       | 35,1  | 42,4  | 42,6  | 43,8 | 37,1  | 39,9 | 39,3 | 38,4 | 128 |
| 130          | -     | 30,9    | -     | 39,1    | 31,3  | 39,5  | -                | -       | 32,8  | 40,6  | 41,2  | -    | 34,8  | 39,5 | 38,9 | 38,1 | 130 |
| 134          | -     | 26,4    | -     | 34,3    | 26,6  | 34,7  | -                | -       | 28,2  | 36,1  | 36,6  | -    | 30,4  | 37,8 | 37,3 | 37,1 | 134 |
| 138          | -     | 23,0    | -     | 30,1    | 23,2  | 30,3  | -                | -       | 23,8  | 31,7  | 32,2  | -    | 26,2  | 33,6 | 34,4 | -    | 138 |
| 140          | -     | 21,3    | -     | 29,0    | 21,6  | 29,2  | -                | -       | 22,1  | 29,5  | 30,0  | -    | 24,1  | 31,5 | 32,3 | -    | 140 |
| 142          | -     | 19,6    | -     | 27,9    | -     | -     | -                | -       | 20,5  | 27,9  | 28,2  | -    | 22,0  | 29,5 | 30,2 | -    | 142 |
| 144          | -     | 17,7    | -     | 25,9    | -     | -     | -                | -       | 18,9  | 26,6  | 26,9  | -    | 20,0  | 27,5 | 28,1 | -    | 144 |
| 145          | -     | -       | -     | 24,9    | -     | -     | -                | -       | 18,2  | 26,0  | 26,3  | -    | 19,2  | 26,5 | 27,1 | -    | 145 |
| 146          | -     | -       | -     | 23,8    | -     | -     | -                | -       | 17,4  | 25,2  | -     | -    | 18,5  | 25,9 | 26,2 | -    | 146 |
| 147          | -     | -       | -     | 22,7    | -     | -     | -                | -       | 16,6  | 24,5  | -     | -    | 17,7  | 25,2 | 25,6 | -    | 147 |
| 150          | -     | -       | -     | -       | -     | -     | -                | -       | 13,9  | 21,8  | -     | -    | 15,6  | 23,1 | 23,5 | -    | 150 |
| 151          | -     | -       | -     | -       | -     | -     | -                | -       | 12,9  | 20,8  | -     | -    | 14,9  | 22,4 | 22,8 | -    | 151 |
| 152          | -     | -       | -     | -       | -     | -     | -                | -       | 11,9  | 19,8  | -     | -    | 14,2  | 21,7 | -    | -    | 152 |
| 154          | -     | -       | -     | -       | -     | -     | -                | -       | -     | -     | -     | -    | 12,6  | 20,3 | -    | -    | 154 |
| 157          | -     | -       | -     | -       | -     | -     | -                | -       | -     | -     | -     | -    | -     | 17,5 | -    | -    | 157 |
| 158          | -     | -       | -     | -       | -     | -     | -                | -       | -     | -     | -     | -    | -     | 16,6 | -    | -    | 158 |
| 162          | -     | -       | -     | -       | -     | -     | -                | -       | -     | -     | -     | -    | -     | -    | -    | 7,3  | 162 |
| 164          | -     | -       | -     | -       | -     | -     | -                | -       | -     | -     | -     | -    | -     | -    | -    | 5,6  | 164 |

0 t 80 t 160 t 240 t 320 t 400 t 450 t





| 170-250 t +  0-80 t |       |       |  9,60 m |       |       |  9.8 m/s |       |       | 360°                |       |      | ISO                 |       |      |                     |       |      |
|--|-------|-------|--|-------|-------|---|-------|-------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|
| 42 m   |       |       |  |       |       |   |       |       |                     |       |      |                     |       |      |                     |       |      |
| 30 m   |       |       | 36 m   |       |       | 42 m  |       |       | 48 m                |       |      | 54 m                |       |      | 60 m                |       |      |
|                     |       |       |  |       |       |   |       |       |                     |       |      |                     |       |      |                     |       |      |
| 87°/85°   75°   65°  |       |       | 87°/85°   75°   65°  |       |       | 87°/85°   75°   65°   |       |       | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      |
| m  | t     | t     | t  | t     | t     | t   | t     | t     | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    |
| 14   | 339,0 | -     | -  | -     | -     | -   | -     | -     | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    |
| 15   | 317,0 | -     | -  | 305,0 | -     | -   | -     | -     | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    |
| 16   | 297,0 | -     | -  | 286,0 | -     | -   | 277,0 | -     | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    |
| 18   | 265,0 | -     | -  | 256,0 | -     | -   | 247,0 | -     | -                   | 239,0 | -    | -                   | -     | -    | -                   | -     | -    |
| 19   | 251,0 | -     | -  | 242,0 | -     | -   | 235,0 | -     | -                   | 227,0 | -    | -                   | 220,0 | -    | -                   | -     | -    |
| 20   | 238,0 | -     | -  | 230,0 | -     | -   | 223,0 | -     | -                   | 216,0 | -    | -                   | 209,0 | -    | -                   | 202,0 | -    |
| 22   | 217,0 | -     | -  | 209,0 | -     | -   | 203,0 | -     | -                   | 197,0 | -    | -                   | 191,0 | -    | -                   | 184,0 | -    |
| 24   | 198,0 | -     | -  | 192,0 | -     | -   | 186,0 | -     | -                   | 180,0 | -    | -                   | 175,0 | -    | -                   | 169,0 | -    |
| 26   | 183,0 | -     | -  | 177,0 | -     | -   | 172,0 | -     | -                   | 166,0 | -    | -                   | 161,0 | -    | -                   | 156,0 | -    |
| 28   | 166,0 | 145,0 | -  | 164,0 | -     | -   | 159,0 | -     | -                   | 154,0 | -    | -                   | 150,0 | -    | -                   | 145,0 | -    |
| 30   | 151,0 | 132,0 | -  | 151,0 | -     | -   | 148,0 | -     | -                   | 143,0 | -    | -                   | 139,0 | -    | -                   | 135,0 | -    |
| 32   | 138,0 | 120,0 | -  | 138,0 | 119,0 | -   | 138,0 | -     | -                   | 134,0 | -    | -                   | 130,0 | -    | -                   | 126,0 | -    |
| 34   | 127,0 | 111,0 | -  | 127,0 | 110,0 | -   | 127,0 | 109,0 | -                   | 125,0 | -    | -                   | 122,0 | -    | -                   | 118,0 | -    |
| 36   | -     | 102,0 | -  | 118,0 | 101,0 | -   | 117,0 | 100,0 | -                   | 116,0 | 98,5 | -                   | 114,0 | -    | -                   | 111,0 | -    |
| 38   | -     | 95,0  | -  | 109,0 | 94,0  | -   | 109,0 | 93,5  | -                   | 107,0 | 91,0 | -                   | 107,0 | 89,5 | -                   | 104,0 | -    |
| 40   | -     | 88,5  | 77,5   | 99,5* | 87,5  | -   | 102,0 | 87,0  | -                   | 100,0 | 84,5 | -                   | 99,5  | 84,0 | -                   | 98,5  | -    |
| 42   | -     | 83,0  | 72,0   | -     | 82,0  | -   | 95,0  | 81,0  | -                   | 93,5  | 79,0 | -                   | 93,0  | 78,0 | -                   | 93,0  | 76,0 |
| 44   | -     | -     | 67,5   | -     | 76,5  | 66,0  | 89,5  | 76,0  | -                   | 88,0  | 74,0 | -                   | 87,0  | 73,0 | -                   | 87,0  | 71,5 |
| 46   | -     | -     | 63,5   | -     | 72,0  | 62,0  | 82,0* | 71,0  | -                   | 82,5  | 69,0 | -                   | 82,0  | 68,5 | -                   | 81,5  | 67,5 |
| 48   | -     | -     | 59,5   | -     | 68,0  | 58,5  | -     | 67,0  | 57,0                | 77,5  | 65,0 | -                   | 77,0  | 64,0 | -                   | 77,0  | 63,5 |
| 50   | -     | -     | 56,0   | -     | -     | 55,0  | -     | 63,0  | 53,5                | 73,5  | 61,0 | 51,0                | 72,5  | 60,5 | -                   | 72,5  | 59,5 |
| 54   | -     | -     | -  | -     | -     | 48,7  | -     | 56,5  | 47,5                | -     | 54,5 | 44,9                | 65,0  | 53,5 | 43,6                | 64,5  | 53,0 |
| 58   | -     | -     | -  | -     | -     | -   | -     | -     | 42,3                | -     | 49,1 | 39,7                | 57,0* | 48,2 | 38,5                | 58,0  | 47,6 |
| 62   | -     | -     | -  | -     | -     | -   | -     | -     | -                   | -     | -    | 35,3                | -     | 43,3 | 34,1                | 52,5  | 42,5 |
| 66   | -     | -     | -  | -     | -     | -   | -     | -     | -                   | -     | -    | 31,6                | -     | 39,0 | 30,3                | -     | 38,0 |
| 70   | -     | -     | -  | -     | -     | -   | -     | -     | -                   | -     | -    | -                   | -     | 27,0 | -                   | 34,2  | 25,9 |
| 74   | -     | -     | -  | -     | -     | -   | -     | -     | -                   | -     | -    | -                   | -     | -    | -                   | -     | 23,0 |
| 78   | -     | -     | -  | -     | -     | -   | -     | -     | -                   | -     | -    | -                   | -     | -    | -                   | -     | 20,4 |

| 66 m  |       |      | 72 m                |       |      | 78 m                |       |      | 84 m                |       |      | 90 m                |       |      | 96 m                |       |      |
|---|-------|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|
|  |       |      |                     |       |      |                     |       |      |                     |       |      |                     |       |      |                     |       |      |
| 87°/85°   75°   65°   |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      |
| m   | t     | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    |
| 22  | 178,0 | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    |
| 24  | 163,0 | -    | -                   | 158,0 | -    | -                   | 154,0 | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    |
| 26  | 151,0 | -    | -                   | 146,0 | -    | -                   | 142,0 | -    | -                   | 137,0 | -    | -                   | -     | -    | -                   | -     | -    |
| 28  | 140,0 | -    | -                   | 135,0 | -    | -                   | 132,0 | -    | -                   | 127,0 | -    | -                   | 124,0 | -    | -                   | 114,0 | -    |
| 30  | 130,0 | -    | -                   | 126,0 | -    | -                   | 123,0 | -    | -                   | 118,0 | -    | -                   | 115,0 | -    | -                   | 111,0 | -    |
| 34  | 113,0 | -    | -                   | 110,0 | -    | -                   | 107,0 | -    | -                   | 103,0 | -    | -                   | 100,0 | -    | -                   | 97,0  | -    |
| 38  | 100,0 | -    | -                   | 97,0  | -    | -                   | 94,5  | -    | -                   | 91,0  | -    | -                   | 88,5  | -    | -                   | 85,0  | -    |
| 42  | 89,0  | -    | -                   | 86,0  | -    | -                   | 84,0  | -    | -                   | 81,0  | -    | -                   | 78,5  | -    | -                   | 75,5  | -    |
| 44  | 84,5  | 67,5 | -                   | 81,5  | -    | -                   | 79,5  | -    | -                   | 76,5  | -    | -                   | 74,0  | -    | -                   | 71,0  | -    |
| 46  | 80,0  | 64,0 | -                   | 77,0  | 61,0 | -                   | 75,0  | -    | -                   | 72,0  | -    | -                   | 70,0  | -    | -                   | 67,0  | -    |
| 50  | 71,0  | 57,0 | -                   | 69,5  | 54,0 | -                   | 67,5  | 52,5 | -                   | 64,5  | -    | -                   | 62,5  | -    | -                   | 60,0  | -    |
| 54  | 63,5  | 51,5 | -                   | 62,0  | 48,7 | -                   | 61,0  | 47,0 | -                   | 58,0  | 44,1 | -                   | 56,5  | 42,2 | -                   | 53,5  | -    |
| 58  | 57,0  | 45,9 | -                   | 55,5  | 43,7 | -                   | 55,0  | 42,2 | -                   | 52,5  | 39,3 | -                   | 51,0  | 37,5 | -                   | 48,3  | 34,7 |
| 62  | 51,0  | 40,8 | 31,2                | 50,0  | 38,9 | -                   | 49,5  | 37,9 | -                   | 47,8  | 35,1 | -                   | 46,1  | 33,4 | -                   | 43,5  | 30,6 |
| 66  | 46,5  | 36,3 | 27,4                | 45,2  | 34,4 | 25,3                | 44,6  | 33,5 | -                   | 43,4  | 31,4 | -                   | 41,7  | 29,7 | -                   | 39,2  | 27,0 |
| 70  | 40,7* | 32,4 | 24,0                | 40,9  | 30,6 | 22,0                | 40,3  | 29,7 | 20,9                | 39,2  | 28,0 | -                   | 37,9  | 26,4 | -                   | 35,4  | 23,8 |
| 74  | -     | 29,0 | 21,1                | 37,2  | 27,1 | 19,0                | 36,6  | 26,3 | 18,0                | 35,2  | 24,7 | 16,2                | 34,3  | 23,5 | 14,9                | 32,0  | 20,9 |
| 78  | -     | -    | 18,5                | -     | 24,1 | 16,4                | 33,1  | 23,2 | 15,4                | 31,7  | 21,6 | 13,6                | 30,7  | 20,5 | 12,4                | 28,8  | 18,3 |
| 82  | -     | -    | 16,1                | -     | 21,4 | 14,1                | 28,3* | 20,6 | 13,1                | 28,5  | 18,9 | 11,4                | 27,5  | 17,8 | 10,1                | 26,0  | 15,9 |
| 86  | -     | -    | -                   | -     | -    | 12,1                | -     | 18,2 | 11,1                | 25,6  | 16,5 | 9,3                 | 24,6  | 15,4 | 8,1                 | 23,3  | 13,7 |
| 90  | -     | -    | -                   | -     | -    | 10,3                | -     | -    | 9,2                 | -     | 14,4 | 7,5                 | 22,0  | 13,2 | 6,2                 | 20,6  | 11,7 |
| 94  | -     | -    | -                   | -     | -    | -                   | -     | -    | 7,6                 | -     | 12,4 | 5,8                 | -     | 11,3 | -                   | 18,3  | 9,7  |
| 98  | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | 9,5  | -                   | 14,8* | 7,9  |
| 102   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | 6,3  |

\* Main boom angle 85° · Hauptauslegerwinkel 85° · Jarret de flèche principale 85° · Inclinazione braccio base 85° · Ángulo de pluma principal 85° · Ángulo da lança principal 85° · Угол подъема гл. стрелы 85°

For explanations see page 70 · Bemerkungen siehe Seite 70 · Pour plus de détails, voir page 70 · Per spiegazioni vedere a pagina 70 · Véase p. 70 para más información · Para explicações, ver página 70 · Объяснения см. на стр. 70




| 170-250 t +  0-80 t |        | 9,60 m |                     | 9.8 m/s |       | 360°                |       | ISO  |                     |       |      |                     |       |      |                     |       |      |
|---------------------|--------|--------|---------------------|---------|-------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|
| 48 m                |        |        |                     |         |       |                     |       |      |                     |       |      |                     |       |      |                     |       |      |
| 30 m                |        |        | 36 m                |         |       | 42 m                |       |      | 48 m                |       |      | 54 m                |       |      | 60 m                |       |      |
| 87°/85°   75°   65° |        |        | 87°/85°   75°   65° |         |       | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      |
| m                   | t      | t      | t                   | t       | t     | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    |
| 14                  | 324,0  | -      | -                   | -       | -     | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    |
| 15                  | 304,0  | -      | -                   | 292,0   | -     | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    |
| 16                  | 286,0  | -      | -                   | 275,0   | -     | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    |
| 17                  | 270,0  | -      | -                   | 260,0   | -     | -                   | 251,0 | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    |
| 18                  | 255,0  | -      | -                   | 246,0   | -     | -                   | 238,0 | -    | -                   | 230,0 | -    | -                   | -     | -    | -                   | -     | -    |
| 19                  | 242,0  | -      | -                   | 234,0   | -     | -                   | 226,0 | -    | -                   | 219,0 | -    | -                   | 212,0 | -    | -                   | -     | -    |
| 20                  | 230,0  | -      | -                   | 222,0   | -     | -                   | 215,0 | -    | -                   | 208,0 | -    | -                   | 202,0 | -    | -                   | -     | -    |
| 22                  | 209,0  | -      | -                   | 202,0   | -     | -                   | 196,0 | -    | -                   | 190,0 | -    | -                   | 184,0 | -    | -                   | 178,0 | -    |
| 24                  | 192,0  | -      | -                   | 186,0   | -     | -                   | 180,0 | -    | -                   | 174,0 | -    | -                   | 169,0 | -    | -                   | 164,0 | -    |
| 26                  | 177,0  | -      | -                   | 171,0   | -     | -                   | 166,0 | -    | -                   | 161,0 | -    | -                   | 156,0 | -    | -                   | 151,0 | -    |
| 28                  | 164,0  | -      | -                   | 159,0   | -     | -                   | 154,0 | -    | -                   | 149,0 | -    | -                   | 145,0 | -    | -                   | 140,0 | -    |
| 30                  | 150,0  | 126,0  | -                   | 148,0   | -     | -                   | 144,0 | -    | -                   | 139,0 | -    | -                   | 135,0 | -    | -                   | 130,0 | -    |
| 32                  | 138,0  | 116,0  | -                   | 138,0   | 113,0 | -                   | 134,0 | -    | -                   | 130,0 | -    | -                   | 126,0 | -    | -                   | 122,0 | -    |
| 34                  | 127,0  | 107,0  | -                   | 127,0   | 106,0 | -                   | 126,0 | -    | -                   | 122,0 | -    | -                   | 118,0 | -    | -                   | 114,0 | -    |
| 36                  | 114,0* | 99,0   | -                   | 117,0   | 98,0  | -                   | 117,0 | 96,0 | -                   | 115,0 | -    | -                   | 111,0 | -    | -                   | 107,0 | -    |
| 38                  | -      | 91,5   | -                   | 109,0   | 90,5  | -                   | 108,0 | 89,5 | -                   | 107,0 | 86,5 | -                   | 105,0 | -    | -                   | 101,0 | -    |
| 40                  | -      | 85,5   | -                   | 101,0   | 84,5  | -                   | 101,0 | 83,5 | -                   | 99,5  | 81,5 | -                   | 99,0  | 78,5 | -                   | 95,5  | -    |
| 42                  | -      | 79,5   | 67,0                | -       | 78,5  | -                   | 94,5  | 78,0 | -                   | 93,0  | 75,5 | -                   | 92,5  | 74,0 | -                   | 90,5  | 70,5 |
| 44                  | -      | 74,5   | 62,5                | -       | 73,5  | -                   | 88,5  | 73,0 | -                   | 87,0  | 70,5 | -                   | 86,5  | 70,0 | -                   | 85,5  | 66,5 |
| 46                  | -      | -      | 58,0                | -       | 69,0  | 56,5                | 83,5  | 68,5 | -                   | 82,0  | 66,0 | -                   | 81,5  | 65,5 | -                   | 81,0  | 62,5 |
| 50                  | -      | -      | 51,0                | -       | 61,5  | 49,8                | -     | 60,5 | 48,5                | 73,0  | 58,5 | -                   | 72,0  | 57,5 | -                   | 72,0  | 56,0 |
| 54                  | -      | -      | -                   | -       | -     | 44,0                | -     | 54,0 | 42,7                | -     | 52,0 | 40,0                | 64,5  | 51,0 | -                   | 64,5  | 50,5 |
| 58                  | -      | -      | -                   | -       | -     | 39,1                | -     | -    | 37,8                | -     | 46,6 | 35,1                | 56,0* | 45,5 | 33,9                | 57,5  | 44,9 |
| 62                  | -      | -      | -                   | -       | -     | -                   | -     | -    | 33,6                | -     | -    | 31,0                | -     | 40,6 | 29,8                | 52,0  | 39,9 |
| 66                  | -      | -      | -                   | -       | -     | -                   | -     | -    | -                   | -     | -    | 27,5                | -     | 36,4 | 26,2                | -     | 35,6 |
| 70                  | -      | -      | -                   | -       | -     | -                   | -     | -    | -                   | -     | -    | -                   | -     | 23,2 | -                   | 31,9  | 22,2 |
| 74                  | -      | -      | -                   | -       | -     | -                   | -     | -    | -                   | -     | -    | -                   | -     | 20,5 | -                   | -     | 19,4 |
| 78                  | -      | -      | -                   | -       | -     | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | 17,0 |

| 66 m                |       |      | 72 m                |       |      | 78 m                |       |      | 84 m                |       |      | 90 m                |       |      | 96 m                |       |      |
|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|
| 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      |
| m                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    |
| 22                  | 172,0 | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    |
| 24                  | 158,0 | -    | -                   | 153,0 | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    |
| 26                  | 146,0 | -    | -                   | 141,0 | -    | -                   | 137,0 | -    | -                   | 133,0 | -    | -                   | -     | -    | -                   | -     | -    |
| 28                  | 135,0 | -    | -                   | 131,0 | -    | -                   | 127,0 | -    | -                   | 123,0 | -    | -                   | 120,0 | -    | -                   | -     | -    |
| 30                  | 126,0 | -    | -                   | 122,0 | -    | -                   | 119,0 | -    | -                   | 114,0 | -    | -                   | 111,0 | -    | -                   | 107,0 | -    |
| 34                  | 110,0 | -    | -                   | 106,0 | -    | -                   | 104,0 | -    | -                   | 100,0 | -    | -                   | 97,5  | -    | -                   | 93,5  | -    |
| 38                  | 97,0  | -    | -                   | 94,0  | -    | -                   | 91,5  | -    | -                   | 88,0  | -    | -                   | 85,5  | -    | -                   | 82,5  | -    |
| 42                  | 86,5  | -    | -                   | 83,5  | -    | -                   | 81,5  | -    | -                   | 78,0  | -    | -                   | 76,0  | -    | -                   | 73,0  | -    |
| 46                  | 77,5  | 59,0 | -                   | 74,5  | -    | -                   | 73,0  | -    | -                   | 69,5  | -    | -                   | 67,5  | -    | -                   | 64,5  | -    |
| 48                  | 73,5  | 55,5 | -                   | 71,0  | 52,5 | -                   | 69,0  | -    | -                   | 66,0  | -    | -                   | 64,0  | -    | -                   | 61,0  | -    |
| 50                  | 70,0  | 52,5 | -                   | 67,0  | 49,8 | -                   | 65,5  | 48,0 | -                   | 62,5  | -    | -                   | 60,5  | -    | -                   | 57,5  | -    |
| 54                  | 63,0  | 47,3 | -                   | 60,5  | 44,5 | -                   | 59,0  | 42,8 | -                   | 56,5  | 39,8 | -                   | 54,5  | -    | -                   | 51,5  | -    |
| 58                  | 56,5  | 42,5 | -                   | 55,0  | 39,8 | -                   | 53,5  | 38,2 | -                   | 51,0  | 35,3 | -                   | 49,3  | 33,5 | -                   | 46,6  | 30,7 |
| 62                  | 51,0  | 38,2 | -                   | 49,8  | 35,7 | -                   | 48,8  | 34,2 | -                   | 46,2  | 31,4 | -                   | 44,5  | 29,6 | -                   | 41,9  | 26,9 |
| 66                  | 46,2  | 33,9 | 23,4                | 44,9  | 32,0 | 21,2                | 44,3  | 30,6 | -                   | 41,9  | 27,8 | -                   | 40,3  | 26,2 | -                   | 37,7  | 23,5 |
| 70                  | 40,2* | 30,2 | 20,2                | 40,6  | 28,2 | 18,1                | 40,0  | 27,3 | 17,0                | 38,1  | 24,7 | -                   | 36,5  | 23,1 | -                   | 34,0  | 20,5 |
| 74                  | -     | 26,8 | 17,5                | 36,9  | 25,0 | 15,4                | 36,2  | 24,0 | 14,3                | 34,6  | 21,9 | 12,1                | 33,1  | 20,3 | -                   | 30,6  | 17,7 |
| 78                  | -     | 23,9 | 15,1                | -     | 22,0 | 13,0                | 32,7  | 21,1 | 11,9                | 31,3  | 19,3 | 9,9                 | 30,0  | 17,8 | -                   | 27,6  | 15,2 |
| 82                  | -     | -    | 12,9                | -     | 19,4 | 10,8                | 27,7* | 18,5 | 9,8                 | 28,1  | 16,9 | 8,0                 | 27,1  | 15,5 | -                   | 24,8  | 13,0 |
| 86                  | -     | -    | 11,0                | -     | -    | 8,9                 | -     | 16,2 | 7,9                 | 25,3  | 14,6 | 6,1                 | 24,3  | 13,4 | -                   | 22,3  | 10,9 |
| 90                  | -     | -    | -                   | -     | -    | 7,2                 | -     | 14,2 | 6,2                 | -     | 12,5 | -                   | 21,7  | 11,4 | -                   | 20,0  | 9,0  |
| 94                  | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | 10,6 | -                   | 17,7* | 9,5  | -                   | 17,9  | 7,3  |
| 98                  | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | 7,8  | -                   | 15,9  | 5,7  |
| 102                 | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | 6,3  | -                   | -     | -    |

\* Main boom angle 85° · Hauptauslegerwinkel 85° · Jarret de flèche principale 85° · Inclinazione braccio base 85° · Ángulo de pluma principal 85° · Ángulo da lança principal 85° · Угол подъема гл. стрелы 85°

For explanations see page 70 · Bemerkungen siehe Seite 70 · Pour plus de détails, voir page 70 · Per spiegazioni vedere a pagina 70 · Véase p. 70 para más información · Para explicações, ver página 70 · Объяснения см. на стр. 70



| 170-250 t +  0-80 t |        |  9,60 m |                     |  9.8 m/s |      | 360°                |       | ISO  |                     |       |      |                     |       |      |                     |       |      |      |
|--|--------|--|---------------------|---|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|------|
| 54 m   |        |  |                     |   |      |                     |       |      |                     |       |      |                     |       |      |                     |       |      |      |
| 30 m   |        |  | 36 m                |   |      | 42 m                |       |      | 48 m                |       |      | 54 m                |       |      | 60 m                |       |      |      |
| 87°/85°   75°   65°  |        |  | 87°/85°   75°   65° |   |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      |      |
| m  | t      | t  | t                   | t   | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t    |
| 14   | 310,0  | -  | -                   | -   | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -    |
| 16   | 274,0  | -  | -                   | 264,0   | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -    |
| 17   | 259,0  | -  | -                   | 250,0   | -    | -                   | 242,0 | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -    |
| 18   | 246,0  | -  | -                   | 237,0   | -    | -                   | 229,0 | -    | -                   | 221,0 | -    | -                   | -     | -    | -                   | -     | -    | -    |
| 20   | 222,0  | -  | -                   | 214,0   | -    | -                   | 208,0 | -    | -                   | 201,0 | -    | -                   | 195,0 | -    | -                   | -     | -    | -    |
| 22   | 202,0  | -  | -                   | 196,0   | -    | -                   | 190,0 | -    | -                   | 183,0 | -    | -                   | 178,0 | -    | -                   | 172,0 | -    | -    |
| 24   | 186,0  | -  | -                   | 180,0   | -    | -                   | 174,0 | -    | -                   | 169,0 | -    | -                   | 164,0 | -    | -                   | 158,0 | -    | -    |
| 26   | 172,0  | -  | -                   | 166,0   | -    | -                   | 161,0 | -    | -                   | 156,0 | -    | -                   | 151,0 | -    | -                   | 146,0 | -    | -    |
| 28   | 159,0  | -  | -                   | 154,0   | -    | -                   | 150,0 | -    | -                   | 145,0 | -    | -                   | 140,0 | -    | -                   | 136,0 | -    | -    |
| 30   | 149,0  | -  | -                   | 143,0   | -    | -                   | 139,0 | -    | -                   | 135,0 | -    | -                   | 131,0 | -    | -                   | 126,0 | -    | -    |
| 32   | 137,0  | 110,0  | -                   | 134,0   | -    | -                   | 130,0 | -    | -                   | 126,0 | -    | -                   | 122,0 | -    | -                   | 118,0 | -    | -    |
| 34   | 126,0  | 103,0  | -                   | 126,0   | 99,0 | -                   | 122,0 | -    | -                   | 118,0 | -    | -                   | 115,0 | -    | -                   | 111,0 | -    | -    |
| 36   | 113,0* | 95,0   | -                   | 116,0   | 93,0 | -                   | 115,0 | 89,5 | -                   | 111,0 | -    | -                   | 108,0 | -    | -                   | 104,0 | -    | -    |
| 38   | -      | 88,0   | -                   | 108,0   | 87,0 | -                   | 108,0 | 84,0 | -                   | 105,0 | -    | -                   | 102,0 | -    | -                   | 98,5  | -    | -    |
| 40   | -      | 82,0   | -                   | 101,0   | 81,0 | -                   | 100,0 | 79,5 | -                   | 99,0  | 75,5 | -                   | 96,5  | -    | -                   | 92,5  | -    | -    |
| 42   | -      | 76,5   | -                   | 91,0*   | 75,5 | -                   | 94,0  | 74,5 | -                   | 92,5  | 71,5 | -                   | 91,0  | 68,5 | -                   | 87,5  | -    | -    |
| 44   | -      | 71,5   | -                   | -   | 70,5 | -                   | 88,0  | 69,5 | -                   | 86,5  | 67,5 | -                   | 86,0  | 64,5 | -                   | 83,0  | 61,0 | -    |
| 46   | -      | 67,0   | 52,5                | -   | 66,0 | -                   | 83,0  | 65,0 | -                   | 81,5  | 63,0 | -                   | 81,0  | 61,0 | -                   | 79,0  | 57,5 | -    |
| 48   | -      | -  | 49,2                | -   | 62,0 | 47,7                | 75,0* | 61,5 | -                   | 76,5  | 59,0 | -                   | 76,0  | 58,0 | -                   | 75,0  | 54,5 | -    |
| 50   | -      | -  | 46,0                | -   | 58,5 | 44,5                | -     | 57,5 | -                   | 72,0  | 55,5 | -                   | 71,5  | 54,5 | -                   | 71,5  | 51,5 | -    |
| 54   | -      | -  | 40,5                | -   | -    | 39,1                | -     | 51,5 | 37,7                | 62,0* | 49,2 | -                   | 64,0  | 48,1 | -                   | 64,0  | 46,5 | -    |
| 58   | -      | -  | -                   | -   | -    | 34,5                | -     | -    | 33,1                | -     | 43,6 | 30,4                | 55,0* | 42,6 | 29,1                | 57,5  | 41,9 | -    |
| 62   | -      | -  | -                   | -   | -    | -                   | -     | -    | 29,3                | -     | 39,0 | 26,6                | -     | 37,9 | 25,3                | 51,5  | 37,2 | 24,4 |
| 66   | -      | -  | -                   | -   | -    | -                   | -     | -    | 26,0                | -     | -    | 23,3                | -     | 33,8 | 22,0                | -     | 33,1 | 21,1 |
| 70   | -      | -  | -                   | -   | -    | -                   | -     | -    | -                   | -     | -    | 20,5                | -     | -    | 19,2                | -     | 29,5 | 18,3 |
| 74   | -      | -  | -                   | -   | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | 16,7                | -     | 26,4 | 15,7 |
| 78   | -      | -  | -                   | -   | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | 14,7                | -     | -    | 13,5 |
| 82   | -      | -  | -                   | -   | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | 11,6 |

| 66 m                |       |      | 72 m                |       |      | 78 m                |       |      | 84 m                |       |      | 90 m                |       |      | 96 m                |       |      |   |
|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|---|
| 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      |   |
| m                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t |
| 22                  | 166,0 | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | - |
| 24                  | 152,0 | -    | -                   | 147,0 | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | - |
| 26                  | 141,0 | -    | -                   | 136,0 | -    | -                   | 133,0 | -    | -                   | 128,0 | -    | -                   | -     | -    | -                   | -     | -    | - |
| 28                  | 131,0 | -    | -                   | 126,0 | -    | -                   | 123,0 | -    | -                   | 119,0 | -    | -                   | 116,0 | -    | -                   | -     | -    | - |
| 30                  | 122,0 | -    | -                   | 118,0 | -    | -                   | 115,0 | -    | -                   | 111,0 | -    | -                   | 107,0 | -    | -                   | 103,0 | -    | - |
| 34                  | 106,0 | -    | -                   | 103,0 | -    | -                   | 100,0 | -    | -                   | 96,5  | -    | -                   | 94,0  | -    | -                   | 90,5  | -    | - |
| 38                  | 94,0  | -    | -                   | 91,0  | -    | -                   | 88,5  | -    | -                   | 85,0  | -    | -                   | 83,0  | -    | -                   | 79,5  | -    | - |
| 42                  | 84,0  | -    | -                   | 81,0  | -    | -                   | 79,0  | -    | -                   | 75,5  | -    | -                   | 73,5  | -    | -                   | 70,0  | -    | - |
| 46                  | 75,5  | -    | -                   | 72,5  | -    | -                   | 70,5  | -    | -                   | 67,5  | -    | -                   | 65,5  | -    | -                   | 62,5  | -    | - |
| 48                  | 71,5  | 51,0 | -                   | 68,5  | -    | -                   | 67,0  | -    | -                   | 64,0  | -    | -                   | 62,0  | -    | -                   | 59,0  | -    | - |
| 50                  | 68,0  | 48,2 | -                   | 65,0  | 45,2 | -                   | 63,5  | -    | -                   | 60,5  | -    | -                   | 58,5  | -    | -                   | 55,5  | -    | - |
| 54                  | 61,5  | 43,1 | -                   | 59,0  | 40,2 | -                   | 57,0  | 38,5 | -                   | 54,5  | 35,5 | -                   | 52,5  | -    | -                   | 50,0  | -    | - |
| 58                  | 56,0  | 38,5 | -                   | 53,5  | 35,8 | -                   | 52,0  | 34,2 | -                   | 49,2  | 31,3 | -                   | 47,5  | 29,5 | -                   | 44,8  | -    | - |
| 62                  | 50,5  | 34,6 | -                   | 48,6  | 31,9 | -                   | 47,2  | 30,4 | -                   | 44,5  | 27,6 | -                   | 42,9  | 25,9 | -                   | 40,3  | 23,1 | - |
| 66                  | 45,9  | 31,1 | 19,1                | 44,4  | 28,5 | -                   | 43,0  | 27,1 | -                   | 40,4  | 24,3 | -                   | 38,7  | 22,7 | -                   | 36,2  | 19,9 | - |
| 70                  | 39,5* | 27,8 | 16,4                | 40,3  | 25,4 | 13,9                | 39,2  | 24,1 | -                   | 36,6  | 21,4 | -                   | 35,1  | 19,8 | -                   | 32,6  | 17,1 | - |
| 74                  | -     | 24,6 | 13,8                | 36,5  | 22,7 | 11,6                | 35,8  | 21,4 | 10,3                | 33,3  | 18,7 | -                   | 31,7  | 17,2 | -                   | 29,3  | 14,5 | - |
| 78                  | -     | 21,8 | 11,6                | -     | 19,9 | 9,4                 | 32,3  | 18,9 | 8,3                 | 30,3  | 16,3 | -                   | 28,7  | 14,8 | -                   | 26,3  | 12,2 | - |
| 82                  | -     | -    | 9,6                 | -     | 17,4 | 7,5                 | 27,0* | 16,4 | 6,3                 | 27,5  | 14,1 | -                   | 26,0  | 12,6 | -                   | 23,6  | 10,1 | - |
| 86                  | -     | -    | 7,8                 | -     | 15,2 | 5,7                 | -     | 14,2 | -                   | 24,9  | 12,1 | -                   | 23,5  | 10,7 | -                   | 21,2  | 8,2  | - |
| 90                  | -     | -    | -                   | -     | -    | -                   | -     | 12,3 | -                   | -     | 10,3 | -                   | 21,3  | 8,8  | -                   | 18,9  | 6,4  | - |
| 94                  | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | 8,6  | -                   | 17,1* | 7,2  | -                   | 16,8  | -    | - |
| 98                  | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | 7,0  | -                   | -     | 5,6  | -                   | 15,0  | -    | - |

\* Main boom angle 85° · Hauptauslegerwinkel 85° · Jarret de flèche principale 85° · Inclinazione braccio base 85° · Ángulo de pluma principal 85° · Ángulo da lança principal 85° · Угол подъема гл. стрелы 85°

For explanations see page 70 · Bemerkungen siehe Seite 70 · Pour plus de détails, voir page 70 · Per spiegazioni vedere a pagina 70 · Véase p. 70 para más información · Para explicações, ver página 70 · Объяснения см. на стр. 70

| 170-250 t + 0-80 t  |        | 9,60 m |                     | 9.8 m/s |      | 360°                |       | ISO  |                     |       |      |                     |       |      |                     |       |      |      |
|---------------------|--------|--------|---------------------|---------|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|---------------------|-------|------|------|
| 60 m                |        |        |                     |         |      |                     |       |      |                     |       |      |                     |       |      |                     |       |      |      |
| 30 m                |        |        | 36 m                |         |      | 42 m                |       |      | 48 m                |       |      | 54 m                |       |      | 60 m                |       |      |      |
| 87°/85°   75°   65° |        |        | 87°/85°   75°   65° |         |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      | 87°/85°   75°   65° |       |      |      |
| m                   | t      | t      | t                   | t       | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t                   | t     | t    | t    |
| 14                  | 297,0  | -      | -                   | -       | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -    |
| 16                  | 263,0  | -      | -                   | 254,0   | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -    |
| 17                  | 249,0  | -      | -                   | 240,0   | -    | -                   | 232,0 | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -    |
| 18                  | 236,0  | -      | -                   | 228,0   | -    | -                   | 221,0 | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -    |
| 19                  | 224,0  | -      | -                   | 217,0   | -    | -                   | 210,0 | -    | -                   | 203,0 | -    | -                   | -     | -    | -                   | -     | -    | -    |
| 20                  | 214,0  | -      | -                   | 207,0   | -    | -                   | 200,0 | -    | -                   | 193,0 | -    | -                   | 187,0 | -    | -                   | -     | -    | -    |
| 22                  | 195,0  | -      | -                   | 189,0   | -    | -                   | 183,0 | -    | -                   | 177,0 | -    | -                   | 171,0 | -    | -                   | 166,0 | -    | -    |
| 24                  | 180,0  | -      | -                   | 173,0   | -    | -                   | 168,0 | -    | -                   | 163,0 | -    | -                   | 158,0 | -    | -                   | 153,0 | -    | -    |
| 26                  | 166,0  | -      | -                   | 160,0   | -    | -                   | 156,0 | -    | -                   | 150,0 | -    | -                   | 146,0 | -    | -                   | 141,0 | -    | -    |
| 28                  | 154,0  | -      | -                   | 149,0   | -    | -                   | 145,0 | -    | -                   | 140,0 | -    | -                   | 136,0 | -    | -                   | 131,0 | -    | -    |
| 30                  | 144,0  | -      | -                   | 139,0   | -    | -                   | 135,0 | -    | -                   | 130,0 | -    | -                   | 126,0 | -    | -                   | 122,0 | -    | -    |
| 34                  | 125,0  | 96,0   | -                   | 122,0   | -    | -                   | 119,0 | -    | -                   | 114,0 | -    | -                   | 111,0 | -    | -                   | 107,0 | -    | -    |
| 36                  | 111,0* | 90,0   | -                   | 115,0   | 86,0 | -                   | 112,0 | -    | -                   | 108,0 | -    | -                   | 104,0 | -    | -                   | 101,0 | -    | -    |
| 38                  | -      | 84,0   | -                   | 107,0   | 81,0 | -                   | 105,0 | 77,5 | -                   | 102,0 | -    | -                   | 98,5  | -    | -                   | 95,0  | -    | -    |
| 42                  | -      | 72,5   | -                   | 90,0*   | 71,5 | -                   | 93,5  | 69,0 | -                   | 91,5  | 65,5 | -                   | 88,5  | -    | -                   | 85,0  | -    | -    |
| 44                  | -      | 68,0   | -                   | -       | 67,0 | -                   | 87,5  | 65,5 | -                   | 86,0  | 62,0 | -                   | 84,0  | 59,0 | -                   | 80,5  | -    | -    |
| 46                  | -      | 63,5   | -                   | -       | 62,5 | -                   | 82,0  | 62,0 | -                   | 80,5  | 58,5 | -                   | 79,5  | 55,5 | -                   | 76,5  | 52,5 | -    |
| 48                  | -      | -      | 43,0                | -       | 59,0 | -                   | 74,0* | 58,0 | -                   | 76,0  | 55,5 | -                   | 75,5  | 52,5 | -                   | 72,5  | 49,5 | -    |
| 50                  | -      | -      | 40,1                | -       | 55,5 | -                   | -     | 54,5 | -                   | 71,5  | 52,0 | -                   | 71,0  | 50,0 | -                   | 69,0  | 46,8 | -    |
| 54                  | -      | -      | 35,0                | -       | -    | 33,6                | -     | 48,1 | 32,2                | 61,0* | 45,7 | -                   | 63,5  | 44,6 | -                   | 63,0  | 41,9 | -    |
| 58                  | -      | -      | -                   | -       | -    | 29,3                | -     | 42,8 | 28,0                | -     | 40,4 | 25,1                | 57,0  | 39,3 | -                   | 57,0  | 37,6 | -    |
| 62                  | -      | -      | -                   | -       | -    | 25,8                | -     | -    | 24,4                | -     | 35,9 | 21,6                | -     | 34,8 | 20,4                | 51,5  | 33,9 | -    |
| 66                  | -      | -      | -                   | -       | -    | -                   | -     | -    | 21,4                | -     | -    | 18,6                | -     | 30,9 | 17,4                | 44,2* | 30,3 | 16,5 |
| 70                  | -      | -      | -                   | -       | -    | -                   | -     | -    | -                   | -     | -    | 16,1                | -     | 27,6 | 14,8                | -     | 26,9 | 13,9 |
| 74                  | -      | -      | -                   | -       | -    | -                   | -     | -    | -                   | -     | -    | 13,9                | -     | -    | 12,5                | -     | 23,8 | 11,6 |
| 78                  | -      | -      | -                   | -       | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | 10,6 | -                   | -     | -    | 9,6  |
| 82                  | -      | -      | -                   | -       | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | 7,8  |
| 86                  | -      | -      | -                   | -       | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | -                   | -     | -    | 6,3  |

| 66 m                |       |      |      |
|---------------------|-------|------|------|
| 87°/85°   75°   65° |       |      |      |
| m                   | t     | t    | t    |
| 24                  | 147,0 | -    | -    |
| 26                  | 136,0 | -    | -    |
| 28                  | 126,0 | -    | -    |
| 30                  | 117,0 | -    | -    |
| 34                  | 103,0 | -    | -    |
| 38                  | 91,0  | -    | -    |
| 42                  | 81,0  | -    | -    |
| 46                  | 73,0  | -    | -    |
| 48                  | 69,0  | 45,8 | -    |
| 50                  | 65,5  | 43,2 | -    |
| 54                  | 59,5  | 38,4 | -    |
| 58                  | 54,0  | 34,3 | -    |
| 62                  | 49,5  | 30,6 | -    |
| 66                  | 45,3  | 27,3 | -    |
| 70                  | 38,5* | 24,4 | 11,5 |
| 74                  | -     | 21,7 | 9,4  |
| 78                  | -     | 19,3 | 7,6  |
| 82                  | -     | 17,0 | 5,9  |

\* Main boom angle 85° · Hauptauslegerwinkel 85° · Jarret de flèche principale 85° · Inclinazione braccio base 85° · Ángulo de pluma principal 85° · Ângulo da lança principal 85° · Угол подъема гл. стрелы 85°

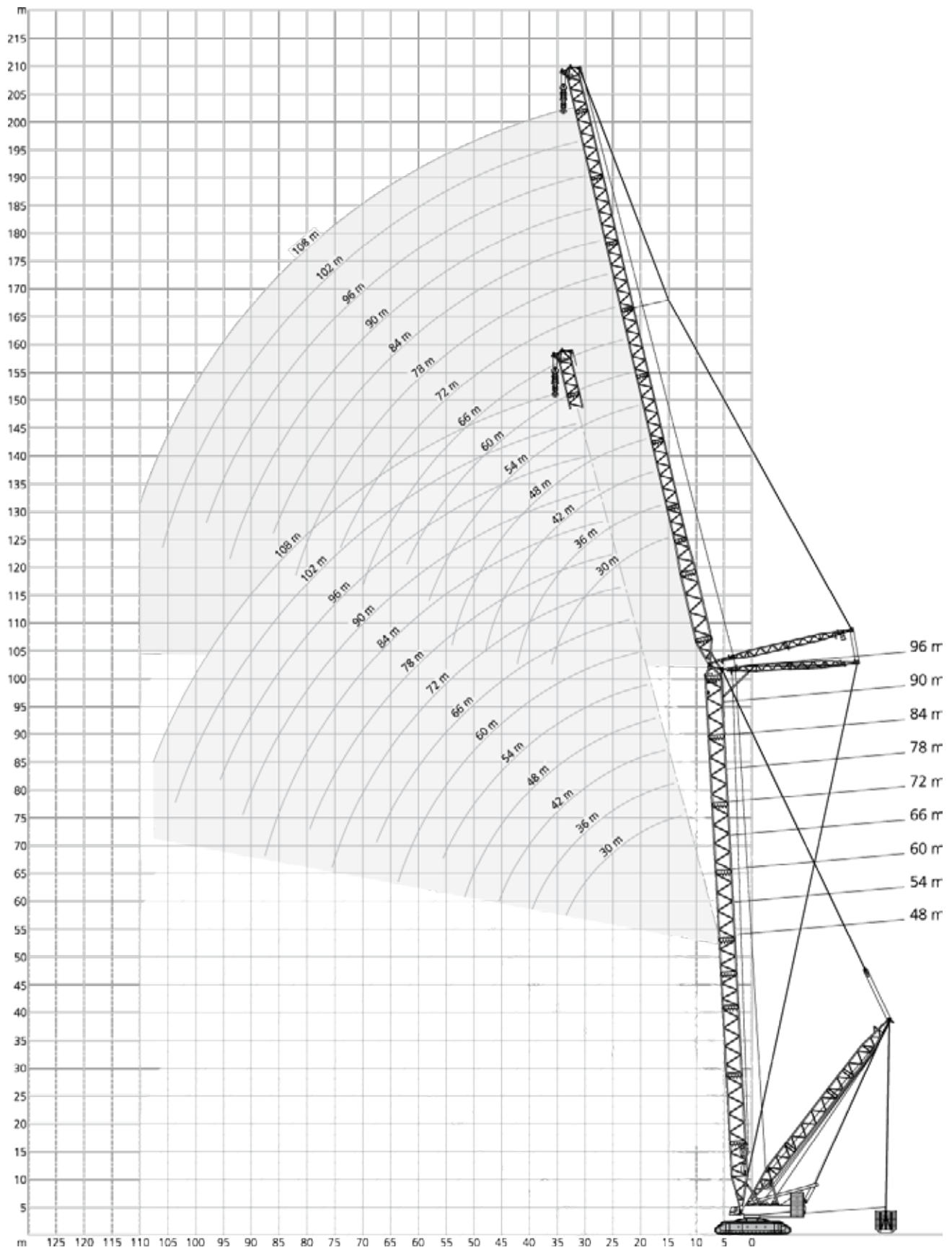
Main boom angle 87°, 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1 · Hauptauslegerwinkel 87°, 85°, 75° und 65°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75° et 65°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche · Inclinazione braccio base 87°, 85°, 75° e 65°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1 · Ángulo de pluma principal 87°, 85°, 75° y 65°, las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75° e 65°, as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75° и 65°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

# Notes

CC 6800-1

Notizen · Notes · Nota · Notas · Notas ·  
пометы, комментарии, примечания

A large rectangular area with horizontal lines, intended for taking notes.



| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |         |         |       |       |       |     |   |       |
|--|---------|---------|-------|-------|-------|-----|---|-------|
| 48 m + 36 m  |         |         |       |       |       |     |   |       |
| SWSL   |         |         |       |       |       |     |   | SFSL  |
| 0 t 80 t - 450 t                                   |         |         |       |       |       |     |   |       |
|  | 87°/85° | 87°/85° | 75°   | 65°   | 55°   | 45° |   |       |
| m  | t       | t       | t     | t     | t     | t   | t | t     |
| 15   | 341,0*  | 484,0*  | -     | -     | -     | -   | - | -     |
| 16   | 321,0*  | 484,0*  | -     | -     | -     | -   | - | -     |
| 18   | 287,0*  | 501,0   | -     | -     | -     | -   | - | -     |
| 19   | 273,0*  | 501,0   | -     | -     | -     | -   | - | 467,0 |
| 20   | 260,0*  | 496,0   | -     | -     | -     | -   | - | 467,0 |
| 22   | 237,0*  | 484,0   | -     | -     | -     | -   | - | 467,0 |
| 24   | 216,0*  | 471,0   | -     | -     | -     | -   | - | 467,0 |
| 26   | 195,5*  | 436,0   | -     | -     | -     | -   | - | 467,0 |
| 28   | 178,0*  | 391,0   | -     | -     | -     | -   | - | 464,0 |
| 30   | 163,0*  | 354,0   | -     | -     | -     | -   | - | 451,0 |
| 32   | 150,0*  | 323,0   | 425,0 | -     | -     | -   | - | 421,5 |
| 34   | 138,5*  | 297,0   | 399,0 | -     | -     | -   | - | 392,0 |
| 38   | 119,5*  | 255,0   | 354,0 | -     | -     | -   | - | 344,0 |
| 40   | 111,5*  | 238,0   | 329,0 | -     | -     | -   | - | 325,0 |
| 42   | -       | -       | 302,0 | -     | -     | -   | - | 306,0 |
| 46   | -       | -       | 259,0 | 276,0 | -     | -   | - | 274,0 |
| 50   | -       | -       | 226,0 | 251,0 | -     | -   | - | 247,0 |
| 54   | -       | -       | -     | 230,0 | -     | -   | - | 217,0 |
| 58   | -       | -       | -     | 212,0 | 188,0 | -   | - | 191,0 |
| 62   | -       | -       | -     | -     | 173,5 | -   | - | 168,0 |
| 66   | -       | -       | -     | -     | -     | -   | - | 153,0 |
| 70   | -       | -       | -     | -     | -     | -   | - | 133,0 |
| 74   | -       | -       | -     | -     | -     | -   | - | 115,0 |
| 78   | -       | -       | -     | -     | -     | -   | - | 97,0  |

| 48 m + 60 m      |         |         |       |       |       |     |      |       |
|------------------|---------|---------|-------|-------|-------|-----|------|-------|
| SWSL             |         |         |       |       |       |     |      | SFSL  |
| 0 t 80 t - 450 t |         |         |       |       |       |     |      |       |
|                  | 87°/85° | 87°/85° | 75°   | 65°   | 55°   | 45° |      |       |
| m                | t       | t       | t     | t     | t     | t   | t    | t     |
| 22               | 210,0*  | 282,0*  | -     | -     | -     | -   | -    | -     |
| 24               | 193,5*  | 287,0   | -     | -     | -     | -   | -    | -     |
| 26               | 179,0*  | 287,0   | -     | -     | -     | -   | -    | -     |
| 28               | 166,5*  | 285,0   | -     | -     | -     | -   | -    | 278,0 |
| 30               | 155,0*  | 284,0   | -     | -     | -     | -   | -    | 278,0 |
| 34               | 136,5*  | 277,0   | -     | -     | -     | -   | -    | 278,0 |
| 38               | 118,5*  | 268,0   | -     | -     | -     | -   | -    | 278,0 |
| 42               | 103,0*  | 237,0   | 278,0 | -     | -     | -   | -    | 278,0 |
| 46               | 90,8*   | 209,0   | 276,0 | -     | -     | -   | -    | 271,0 |
| 50               | 80,3*   | 186,0   | 241,0 | -     | -     | -   | -    | 252,0 |
| 54               | 71,5*   | 166,5   | 212,0 | -     | -     | -   | -    | 229,0 |
| 58               | 64,0*   | 150,0   | 188,5 | -     | -     | -   | -    | 209,0 |
| 62               | 57,5*   | 136,0   | 169,0 | 193,0 | -     | -   | -    | 192,0 |
| 66               | -       | -       | 152,5 | 179,0 | -     | -   | -    | 174,0 |
| 70               | -       | -       | 138,0 | 166,0 | -     | -   | -    | 156,0 |
| 74               | -       | -       | -     | 153,0 | -     | -   | -    | 140,0 |
| 78               | -       | -       | -     | 138,5 | 126,0 | -   | -    | 125,0 |
| 82               | -       | -       | -     | -     | 118,0 | -   | -    | 116,0 |
| 86               | -       | -       | -     | -     | 111,5 | -   | -    | 104,0 |
| 90               | -       | -       | -     | -     | -     | -   | 92,6 | 92,0  |
| 94               | -       | -       | -     | -     | -     | -   | 87,1 | 80,5  |
| 98               | -       | -       | -     | -     | -     | -   | -    | 69,0  |
| 102              | -       | -       | -     | -     | -     | -   | -    | 57,5  |

| 48 m + 48 m |        |        |       |       |       |   |       |       |
|-------------|--------|--------|-------|-------|-------|---|-------|-------|
| m           | t      | t      | t     | t     | t     | t | t     | t     |
| 18          | 269,0* | 368,0* | -     | -     | -     | - | -     | -     |
| 20          | 244,0* | 366,0* | -     | -     | -     | - | -     | -     |
| 22          | 223,0* | 378,0  | -     | -     | -     | - | -     | -     |
| 24          | 205,0* | 377,0  | -     | -     | -     | - | -     | 359,0 |
| 26          | 190,0* | 374,0  | -     | -     | -     | - | -     | 359,0 |
| 28          | 175,5* | 367,0  | -     | -     | -     | - | -     | 359,0 |
| 30          | 160,5* | 359,0  | -     | -     | -     | - | -     | 359,0 |
| 34          | 136,5* | 315,0  | -     | -     | -     | - | -     | 359,0 |
| 38          | 117,5* | 269,0  | 351,0 | -     | -     | - | -     | 347,0 |
| 42          | 102,5* | 234,0  | 313,0 | -     | -     | - | -     | 308,0 |
| 46          | 90,5*  | 206,0  | 274,0 | -     | -     | - | -     | 276,0 |
| 50          | 80,4*  | 183,0  | 238,0 | -     | -     | - | -     | 249,0 |
| 54          | -      | -      | 209,0 | 227,0 | -     | - | -     | 226,0 |
| 58          | -      | -      | 186,0 | 209,0 | -     | - | -     | 204,0 |
| 62          | -      | -      | -     | 193,0 | -     | - | -     | 181,0 |
| 66          | -      | -      | -     | 179,0 | 157,0 | - | -     | 161,0 |
| 70          | -      | -      | -     | -     | 145,5 | - | -     | 143,0 |
| 74          | -      | -      | -     | -     | 136,0 | - | -     | 132,0 |
| 78          | -      | -      | -     | -     | -     | - | 114,5 | 116,0 |
| 82          | -      | -      | -     | -     | -     | - | 107,0 | 102,0 |
| 86          | -      | -      | -     | -     | -     | - | -     | 88,0  |
| 90          | -      | -      | -     | -     | -     | - | -     | 74,0  |

| 48 m + 72 m |        |        |       |       |       |      |   |       |
|-------------|--------|--------|-------|-------|-------|------|---|-------|
| m           | t      | t      | t     | t     | t     | t    | t | t     |
| 24          | 181,5* | 216,0* | -     | -     | -     | -    | - | -     |
| 26          | 168,0* | 214,0* | -     | -     | -     | -    | - | -     |
| 28          | 156,0* | 216,0  | -     | -     | -     | -    | - | -     |
| 30          | 145,5* | 216,0  | -     | -     | -     | -    | - | 210,0 |
| 34          | 128,0* | 213,0  | -     | -     | -     | -    | - | 210,0 |
| 38          | 111,5* | 208,0  | -     | -     | -     | -    | - | 210,0 |
| 42          | 97,2*  | 204,0  | -     | -     | -     | -    | - | 210,0 |
| 46          | 85,2*  | 199,0  | -     | -     | -     | -    | - | 209,0 |
| 48          | 80,0*  | 192,5  | 205,0 | -     | -     | -    | - | 208,0 |
| 50          | 75,2*  | 181,5  | 205,0 | -     | -     | -    | - | 207,0 |
| 54          | 66,7*  | 162,5  | 204,0 | -     | -     | -    | - | 201,0 |
| 58          | 59,5*  | 147,0  | 184,0 | -     | -     | -    | - | 195,0 |
| 62          | 53,2*  | 133,0  | 165,0 | -     | -     | -    | - | 183,0 |
| 66          | 47,7*  | 121,5  | 149,0 | 172,0 | -     | -    | - | 172,0 |
| 70          | 42,8*  | 111,0  | 135,0 | 160,0 | -     | -    | - | 161,0 |
| 74          | 38,5*  | 101,5  | 123,0 | 149,0 | -     | -    | - | 145,0 |
| 78          | -      | -      | 112,5 | 135,5 | -     | -    | - | 130,0 |
| 82          | -      | -      | 103,0 | 123,5 | -     | -    | - | 117,0 |
| 86          | -      | -      | -     | 113,0 | 106,5 | -    | - | 106,0 |
| 90          | -      | -      | -     | 103,5 | 100,0 | -    | - | 99,0  |
| 94          | -      | -      | -     | -     | 94,9  | -    | - | 89,0  |
| 98          | -      | -      | -     | -     | 89,9  | 76,6 | - | 79,0  |
| 102         | -      | -      | -     | -     | -     | 72,1 | - | 69,5  |
| 106         | -      | -      | -     | -     | -     | 67,9 | - | 60,5  |
| 110         | -      | -      | -     | -     | -     | -    | - | 51,0  |
| 114         | -      | -      | -     | -     | -     | -    | - | 42,0  |

|  | 0 t | 80 t | 160 t | 240 t | 320 t | 400 t | 450 t |
|--|-----|------|-------|-------|-------|-------|-------|
|  |     |      |       |       |       |       |       |

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° ·  
 Ángulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

For explanations see page 74 · Bemerkungen siehe Seite 74 · Pour plus de détails, voir page 74 · Per spiegazioni vedere a pagina 74 ·  
 Véase p. 74 para más información · Para explicações, ver página 74 · Объяснения см. на стр. 74

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |        | 48 m + 84 m |         | SWSL         |      |      |      |      |       | SFSL |
|--|--------|-------------|---------|--------------|------|------|------|------|-------|------|
|  |        | 0 t         |         | 80 t - 450 t |      |      |      |      |       |      |
|  |        | 87°/85°     | 87°/85° | 75°          | 65°  | 55°  | 45°  |      |       |      |
| m  | t      | t           | t       | t            | t    | t    | t    | t    | t     |      |
| 26   | 157,5* | 164,5*      | -       | -            | -    | -    | -    | -    | -     |      |
| 28   | 147,5* | 164,0*      | -       | -            | -    | -    | -    | -    | -     |      |
| 30   | 138,0* | 162,5*      | -       | -            | -    | -    | -    | -    | -     |      |
| 32   | 129,5* | 164,0       | -       | -            | -    | -    | -    | -    | -     |      |
| 34   | 121,0* | 163,0       | -       | -            | -    | -    | -    | -    | 160,0 |      |
| 38   | 107,0* | 161,0       | -       | -            | -    | -    | -    | -    | 159,0 |      |
| 42   | 95,2*  | 158,5       | -       | -            | -    | -    | -    | -    | 159,0 |      |
| 46   | 83,2*  | 156,0       | -       | -            | -    | -    | -    | -    | 159,0 |      |
| 50   | 73,1*  | 153,0       | -       | -            | -    | -    | -    | -    | 157,0 |      |
| 54   | 64,7*  | 150,0       | 152,5   | -            | -    | -    | -    | -    | 156,0 |      |
| 58   | 57,4*  | 146,0       | 152,5   | -            | -    | -    | -    | -    | 153,0 |      |
| 62   | 51,1*  | 132,5       | 152,5   | -            | -    | -    | -    | -    | 151,0 |      |
| 66   | 45,6*  | 120,5       | 148,0   | -            | -    | -    | -    | -    | 148,0 |      |
| 70   | 40,8*  | 110,0       | 134,0   | -            | -    | -    | -    | -    | 146,0 |      |
| 74   | 36,5*  | 101,0       | 122,0   | 136,0        | -    | -    | -    | -    | 140,0 |      |
| 78   | 32,6*  | 93,2        | 111,5   | 134,5        | -    | -    | -    | -    | 132,0 |      |
| 82   | 29,1*  | 85,9        | 102,5   | 122,5        | -    | -    | -    | -    | 124,0 |      |
| 86   | 25,9*  | 79,2        | 94,4    | 112,0        | -    | -    | -    | -    | 112,0 |      |
| 90   | -      | -           | 87,1    | 103,0        | -    | -    | -    | -    | 101,0 |      |
| 94   | -      | -           | 80,3    | 94,8         | 92,6 | -    | -    | -    | 93,0  |      |
| 98   | -      | -           | -       | 87,4         | 87,6 | -    | -    | -    | 86,5  |      |
| 102  | -      | -           | -       | 80,8         | 83,0 | -    | -    | -    | 77,5  |      |
| 106  | -      | -           | -       | -            | 78,7 | -    | -    | -    | 69,0  |      |
| 110  | -      | -           | -       | -            | -    | 74,6 | -    | -    | 61,0  |      |
| 114  | -      | -           | -       | -            | -    | -    | 60,9 | -    | 53,5  |      |
| 118  | -      | -           | -       | -            | -    | -    | -    | 54,1 | 46,1  |      |
| 122  | -      | -           | -       | -            | -    | -    | -    | -    | 38,4  |      |
| 126  | -      | -           | -       | -            | -    | -    | -    | -    | 30,5  |      |

| 48 m + 108 m |       | SWSL    |         |              |      |      |     | SFSL |      |  |
|--------------|-------|---------|---------|--------------|------|------|-----|------|------|--|
|              |       | 0 t     |         | 80 t - 450 t |      |      |     |      |      |  |
|              |       | 87°/85° | 87°/85° | 75°          | 65°  | 55°  | 45° |      |      |  |
| m            | t     | t       | t       | t            | t    | t    | t   | t    | t    |  |
| 32           | 89,0* | 94,2*   | -       | -            | -    | -    | -   | -    | -    |  |
| 34           | 89,0* | 93,8*   | -       | -            | -    | -    | -   | -    | -    |  |
| 38           | 88,3  | 93,0    | -       | -            | -    | -    | -   | -    | -    |  |
| 42           | 84,4* | 91,6    | -       | -            | -    | -    | -   | -    | 90,5 |  |
| 46           | 75,4* | 90,2    | -       | -            | -    | -    | -   | -    | 89,5 |  |
| 50           | 67,7* | 88,8    | -       | -            | -    | -    | -   | -    | 89,0 |  |
| 54           | 60,5* | 87,3    | -       | -            | -    | -    | -   | -    | 88,0 |  |
| 58           | 53,1* | 85,8    | -       | -            | -    | -    | -   | -    | 86,5 |  |
| 62           | 46,8* | 84,2    | -       | -            | -    | -    | -   | -    | 85,5 |  |
| 66           | 41,2* | 82,7    | 82,2    | -            | -    | -    | -   | -    | 84,0 |  |
| 70           | 36,3* | 81,2    | 81,7    | -            | -    | -    | -   | -    | 82,5 |  |
| 74           | 32,0* | 79,7    | 81,2    | -            | -    | -    | -   | -    | 81,0 |  |
| 78           | 28,1* | 78,0    | 80,6    | -            | -    | -    | -   | -    | 79,0 |  |
| 82           | 24,6* | 75,7    | 80,0    | -            | -    | -    | -   | -    | 77,5 |  |
| 86           | 21,4* | 72,8    | 79,3    | -            | -    | -    | -   | -    | 76,0 |  |
| 90           | 18,5* | 69,8    | 78,7    | 70,6         | -    | -    | -   | -    | 74,5 |  |
| 94           | 15,9* | 65,6    | 77,8    | 70,6         | -    | -    | -   | -    | 73,0 |  |
| 98           | 13,5* | 60,6    | 71,8    | 70,6         | -    | -    | -   | -    | 71,5 |  |
| 102          | 11,3* | 56,1    | 66,4    | 70,6         | -    | -    | -   | -    | 69,5 |  |
| 106          | 9,2*  | 51,9    | 61,4    | 70,6         | -    | -    | -   | -    | 67,5 |  |
| 110          | 5,7   | 47,9    | 56,9    | 66,7         | 61,6 | -    | -   | -    | 65,5 |  |
| 114          | -     | -       | 52,6    | 61,7         | 61,6 | -    | -   | -    | 63,0 |  |
| 118          | -     | -       | 48,6    | 57,1         | 61,0 | -    | -   | -    | 58,0 |  |
| 122          | -     | -       | -       | 52,9         | 57,5 | -    | -   | -    | 52,0 |  |
| 126          | -     | -       | -       | 48,9         | 54,2 | -    | -   | -    | 46,0 |  |
| 130          | -     | -       | -       | -            | 51,2 | 41,0 | -   | -    | 40,2 |  |
| 134          | -     | -       | -       | -            | 48,3 | 38,7 | -   | -    | 34,5 |  |
| 138          | -     | -       | -       | -            | -    | 36,6 | -   | -    | 28,9 |  |
| 142          | -     | -       | -       | -            | -    | -    | -   | -    | 23,4 |  |
| 146          | -     | -       | -       | -            | -    | -    | -   | -    | 17,7 |  |

| 48 m + 96 m |        | SWSL    |         |              |      |      |     | SFSL |       |  |
|-------------|--------|---------|---------|--------------|------|------|-----|------|-------|--|
|             |        | 0 t     |         | 80 t - 450 t |      |      |     |      |       |  |
|             |        | 87°/85° | 87°/85° | 75°          | 65°  | 55°  | 45° |      |       |  |
| m           | t      | t       | t       | t            | t    | t    | t   | t    | t     |  |
| 30          | 117,5* | 123,5*  | -       | -            | -    | -    | -   | -    | -     |  |
| 34          | 114,0* | 122,5   | -       | -            | -    | -    | -   | -    | -     |  |
| 38          | 101,0* | 121,0   | -       | -            | -    | -    | -   | -    | 119,0 |  |
| 42          | 90,0*  | 119,0   | -       | -            | -    | -    | -   | -    | 118,0 |  |
| 46          | 80,6*  | 117,0   | -       | -            | -    | -    | -   | -    | 117,0 |  |
| 50          | 70,9*  | 115,0   | -       | -            | -    | -    | -   | -    | 117,0 |  |
| 54          | 62,4*  | 112,5   | -       | -            | -    | -    | -   | -    | 115,0 |  |
| 58          | 55,1*  | 110,0   | 110,5   | -            | -    | -    | -   | -    | 113,0 |  |
| 62          | 48,8*  | 108,0   | 110,0   | -            | -    | -    | -   | -    | 112,0 |  |
| 66          | 43,3*  | 105,5   | 109,5   | -            | -    | -    | -   | -    | 109,0 |  |
| 70          | 38,4*  | 103,0   | 108,5   | -            | -    | -    | -   | -    | 107,0 |  |
| 74          | 34,1*  | 100,0   | 107,5   | -            | -    | -    | -   | -    | 105,0 |  |
| 78          | 30,3*  | 91,9    | 106,0   | -            | -    | -    | -   | -    | 103,0 |  |
| 82          | 26,8*  | 84,7    | 101,0   | 96,5         | -    | -    | -   | -    | 101,0 |  |
| 86          | 23,6*  | 78,1    | 93,1    | 96,5         | -    | -    | -   | -    | 99,5  |  |
| 90          | 20,8*  | 72,2    | 85,7    | 96,5         | -    | -    | -   | -    | 97,5  |  |
| 94          | 18,1*  | 66,8    | 79,1    | 93,3         | -    | -    | -   | -    | 95,0  |  |
| 98          | 15,7*  | 61,7    | 73,2    | 86,0         | -    | -    | -   | -    | 87,5  |  |
| 102         | -      | -       | 67,7    | 79,5         | 80,6 | -    | -   | -    | 81,0  |  |
| 106         | -      | -       | 62,6    | 73,5         | 75,9 | -    | -   | -    | 75,0  |  |
| 110         | -      | -       | -       | 68,0         | 71,5 | -    | -   | -    | 67,5  |  |
| 114         | -      | -       | -       | 63,0         | 67,5 | -    | -   | -    | 60,0  |  |
| 118         | -      | -       | -       | -            | 63,8 | 51,2 | -   | -    | 53,0  |  |
| 122         | -      | -       | -       | -            | 60,3 | 48,5 | -   | -    | 46,7  |  |
| 126         | -      | -       | -       | -            | -    | 46,0 | -   | -    | 40,2  |  |
| 130         | -      | -       | -       | -            | -    | 43,6 | -   | -    | 33,8  |  |
| 134         | -      | -       | -       | -            | -    | -    | -   | -    | 27,3  |  |

0 t 80 t 160 t 240 t 320 t 400 t 450 t

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° · Ângulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet

Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche

Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1

Ângulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1

Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°, as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1

Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |         |         |       |       |       |     |       |
|--|---------|---------|-------|-------|-------|-----|-------|
| 54 m + 36 m  |         |         |       |       |       |     |       |
| SWSL   |         |         |       |       |       |     | SFSL  |
| 0 t 80 t - 450 t                                   |         |         |       |       |       |     |       |
|  | 87°/85° | 87°/85° | 75°   | 65°   | 55°   | 45° |       |
| m  | t       | t       | t     | t     | t     | t   | t     |
| 16   | 309,0*  | 450,0*  | -     | -     | -     | -   | -     |
| 18   | 277,0*  | 439,0*  | -     | -     | -     | -   | -     |
| 19   | 264,0*  | 463,0   | -     | -     | -     | -   | 434,0 |
| 20   | 251,0*  | 458,0   | -     | -     | -     | -   | 434,0 |
| 22   | 230,0*  | 448,0   | -     | -     | -     | -   | 434,0 |
| 24   | 211,0*  | 437,0   | -     | -     | -     | -   | 434,0 |
| 26   | 194,0*  | 425,0   | -     | -     | -     | -   | 434,0 |
| 28   | 176,5*  | 401,0   | -     | -     | -     | -   | 430,0 |
| 30   | 161,5*  | 363,0   | -     | -     | -     | -   | 426,0 |
| 34   | 137,5*  | 303,0   | 394,0 | -     | -     | -   | 389,0 |
| 38   | 118,5*  | 260,0   | 350,0 | -     | -     | -   | 341,0 |
| 40   | 110,5*  | 242,0   | 330,0 | -     | -     | -   | 322,0 |
| 42   | 99,9    | 226,0   | 312,0 | -     | -     | -   | 303,0 |
| 46   | -       | -       | 274,0 | -     | -     | -   | 271,0 |
| 48   | -       | -       | 254,0 | 259,0 | -     | -   | 257,5 |
| 50   | -       | -       | 237,0 | 247,0 | -     | -   | 244,0 |
| 54   | -       | -       | -     | 226,0 | -     | -   | 221,0 |
| 58   | -       | -       | -     | 208,0 | -     | -   | 202,0 |
| 62   | -       | -       | -     | -     | 177,5 | -   | 178,0 |
| 66   | -       | -       | -     | -     | 164,5 | -   | 157,0 |
| 70   | -       | -       | -     | -     | -     | -   | 138,0 |
| 74   | -       | -       | -     | -     | -     | -   | 127,0 |
| 78   | -       | -       | -     | -     | -     | -   | 110,0 |
| 82   | -       | -       | -     | -     | -     | -   | 93,5  |

| 54 m + 60 m      |         |         |       |       |       |      |       |
|------------------|---------|---------|-------|-------|-------|------|-------|
| SWSL             |         |         |       |       |       |      | SFSL  |
| 0 t 80 t - 450 t |         |         |       |       |       |      |       |
|                  | 87°/85° | 87°/85° | 75°   | 65°   | 55°   | 45°  |       |
| m                | t       | t       | t     | t     | t     | t    | t     |
| 22               | 203,0*  | 265,0*  | -     | -     | -     | -    | -     |
| 24               | 187,5*  | 264,0*  | -     | -     | -     | -    | -     |
| 26               | 173,5*  | 270,0   | -     | -     | -     | -    | -     |
| 28               | 161,5*  | 269,0   | -     | -     | -     | -    | 262,0 |
| 30               | 150,5*  | 268,0   | -     | -     | -     | -    | 262,0 |
| 34               | 132,5*  | 262,0   | -     | -     | -     | -    | 262,0 |
| 38               | 117,5*  | 254,0   | -     | -     | -     | -    | 262,0 |
| 42               | 102,5*  | 245,0   | -     | -     | -     | -    | 260,0 |
| 44               | 95,9*   | 229,0   | 265,0 | -     | -     | -    | 257,5 |
| 46               | 89,9*   | 215,0   | 263,0 | -     | -     | -    | 257,0 |
| 50               | 79,6*   | 191,5   | 256,0 | -     | -     | -    | 248,0 |
| 54               | 70,8*   | 171,0   | 226,0 | -     | -     | -    | 227,0 |
| 58               | 63,3*   | 154,5   | 200,0 | -     | -     | -    | 207,0 |
| 62               | 56,8*   | 139,5   | 178,5 | 190,5 | -     | -    | 189,0 |
| 66               | -       | -       | 160,5 | 177,0 | -     | -    | 174,0 |
| 70               | -       | -       | 145,5 | 164,5 | -     | -    | 160,0 |
| 74               | -       | -       | 132,0 | 154,0 | -     | -    | 147,0 |
| 78               | -       | -       | -     | 144,5 | 128,5 | -    | 132,0 |
| 82               | -       | -       | -     | 136,0 | 120,5 | -    | 119,0 |
| 86               | -       | -       | -     | -     | 113,0 | -    | 106,0 |
| 90               | -       | -       | -     | -     | 106,0 | -    | 97,0  |
| 94               | -       | -       | -     | -     | -     | 88,4 | 88,0  |
| 98               | -       | -       | -     | -     | -     | 83,3 | 77,0  |
| 102              | -       | -       | -     | -     | -     | -    | 66,5  |
| 106              | -       | -       | -     | -     | -     | -    | 61,0  |

| 54 m + 48 m |        |        |       |       |       |       |       |
|-------------|--------|--------|-------|-------|-------|-------|-------|
| m           | t      | t      | t     | t     | t     | t     | t     |
| 18          | 260,0* | 345,0* | -     | -     | -     | -     | -     |
| 20          | 236,0* | 343,0* | -     | -     | -     | -     | -     |
| 22          | 216,0* | 352,0  | -     | -     | -     | -     | -     |
| 24          | 199,0* | 351,0  | -     | -     | -     | -     | 336,0 |
| 26          | 184,0* | 348,0  | -     | -     | -     | -     | 336,0 |
| 28          | 171,0* | 342,0  | -     | -     | -     | -     | 336,0 |
| 30          | 159,5* | 335,0  | -     | -     | -     | -     | 336,0 |
| 34          | 135,0* | 321,0  | -     | -     | -     | -     | 333,0 |
| 38          | 116,5* | 278,0  | -     | -     | -     | -     | 330,0 |
| 40          | 108,5* | 258,0  | 328,0 | -     | -     | -     | 317,5 |
| 42          | 101,5* | 241,0  | 310,0 | -     | -     | -     | 305,0 |
| 46          | 89,5*  | 212,0  | 279,0 | -     | -     | -     | 273,0 |
| 50          | 79,4*  | 188,0  | 254,0 | -     | -     | -     | 246,0 |
| 54          | 67,8   | 166,5  | 222,0 | -     | -     | -     | 223,0 |
| 58          | -      | -      | 197,0 | 205,0 | -     | -     | 203,0 |
| 62          | -      | -      | 175,5 | 190,0 | -     | -     | 186,0 |
| 66          | -      | -      | -     | 176,5 | -     | -     | 170,0 |
| 70          | -      | -      | -     | 165,0 | 148,5 | -     | 151,0 |
| 74          | -      | -      | -     | -     | 138,5 | -     | 135,0 |
| 78          | -      | -      | -     | -     | 130,0 | -     | 119,0 |
| 82          | -      | -      | -     | -     | -     | 108,5 | 110,0 |
| 86          | -      | -      | -     | -     | -     | 102,0 | 97,5  |
| 90          | -      | -      | -     | -     | -     | -     | 84,5  |
| 94          | -      | -      | -     | -     | -     | -     | 75,0  |

|  |     |      |       |       |       |       |       |
|--|-----|------|-------|-------|-------|-------|-------|
|  | 0 t | 80 t | 160 t | 240 t | 320 t | 400 t | 450 t |
|--|-----|------|-------|-------|-------|-------|-------|

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° · Ángulo de pluma principal 87° · Ángulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet

Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche

Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1

Ángulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1

Ángulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°, as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1

Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1



| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |        |         |         |              |             |      |      |       |      |  |
|--|--------|---------|---------|--------------|-------------|------|------|-------|------|--|
| 54 m + 72 m  |        |         |         |              | 54 m + 84 m |      |      |       |      |  |
|  |        | SWSL    |         |              |             |      | SFSL |       |      |  |
|  |        | 0 t     |         | 80 t - 450 t |             |      |      |       |      |  |
|  |        | 87°/85° | 87°/85° | 75°          | 65°         | 55°  | 45°  |       |      |  |
| m  | t      | t       | t       | t            | t           | t    | t    | t     | t    |  |
| 24   | 176,0* | 204,0*  | -       | -            | -           | -    | -    | -     | -    |  |
| 26   | 163,0* | 203,0*  | -       | -            | -           | -    | -    | -     | -    |  |
| 28   | 151,5* | 206,0   | -       | -            | -           | -    | -    | -     | -    |  |
| 30   | 141,5* | 205,0   | -       | -            | -           | -    | -    | -     | -    |  |
| 34   | 124,0* | 202,0   | -       | -            | -           | -    | -    | 200,0 | -    |  |
| 38   | 110,0* | 199,0   | -       | -            | -           | -    | -    | 200,0 | -    |  |
| 42   | 96,3*  | 195,0   | -       | -            | -           | -    | -    | 200,0 | -    |  |
| 46   | 84,4*  | 190,5   | -       | -            | -           | -    | -    | 200,0 | -    |  |
| 50   | 74,4*  | 186,0   | 196,5   | -            | -           | -    | -    | 200,0 | -    |  |
| 54   | 66,0*  | 167,5   | 196,0   | -            | -           | -    | -    | 194,0 | -    |  |
| 58   | 58,8*  | 151,0   | 194,5   | -            | -           | -    | -    | 189,0 | -    |  |
| 62   | 52,6*  | 137,0   | 174,5   | -            | -           | -    | -    | 184,0 | -    |  |
| 66   | 47,1*  | 124,5   | 157,0   | -            | -           | -    | -    | 174,0 | -    |  |
| 70   | 42,3*  | 114,0   | 142,0   | 158,5        | -           | -    | -    | 160,0 | -    |  |
| 74   | 37,9*  | 104,5   | 129,5   | 148,5        | -           | -    | -    | 148,0 | -    |  |
| 78   | -      | -       | 118,0   | 139,0        | -           | -    | -    | 137,0 | -    |  |
| 82   | -      | -       | 108,0   | 131,0        | -           | -    | -    | 124,0 | -    |  |
| 86   | -      | -       | 99,4    | 121,5        | 107,0       | -    | -    | 112,0 | -    |  |
| 90   | -      | -       | -       | 111,0        | 100,5       | -    | -    | 100,0 | -    |  |
| 94   | -      | -       | -       | 102,0        | 94,8        | -    | -    | 90,0  | -    |  |
| 98   | -      | -       | -       | -            | 89,4        | -    | -    | 83,5  | -    |  |
| 102  | -      | -       | -       | -            | 84,3        | 73,1 | -    | 75,5  | -    |  |
| 106  | -      | -       | -       | -            | -           | 68,9 | -    | 66,5  | -    |  |
| 110  | -      | -       | -       | -            | -           | 65,0 | -    | 58,0  | -    |  |
| 114  | -      | -       | -       | -            | -           | -    | -    | 51,5  | -    |  |
| 118  | -      | -       | -       | -            | -           | -    | -    | 45,0  | -    |  |
| 122  | -      | -       | -       | -            | -           | -    | -    | -     | 51,8 |  |
| 126  | -      | -       | -       | -            | -           | -    | -    | -     | 40,7 |  |
| 130  | -      | -       | -       | -            | -           | -    | -    | -     | 33,4 |  |

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinação braccio base 87° · Ángulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 · Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche · Inclinação braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1 · Ángulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°, as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1



| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |        |        |       |      |                                 |      |      |   |       |
|--|--------|--------|-------|------|---------------------------------|------|------|---|-------|
| 54 m + 96 m  |        |        |       |      | 54 m + 108 m                    |      |      |   |       |
| SWSL   |        |        |       |      | SFSL                            |      |      |   |       |
| 0 t 80 t - 450 t                                   |        |        |       |      | 0 t 80 t - 450 t                |      |      |   |       |
| 87°/85° 87°/85° 75° 65° 55° 45°                    |        |        |       |      | 87°/85° 87°/85° 75° 65° 55° 45° |      |      |   |       |
| m  | t      | t      | t     | t    | t                               | t    | t    | t | t     |
| 30   | 112,5* | 118,5* | -     | -    | -                               | -    | -    | - | -     |
| 34   | 110,5* | 117,0  | -     | -    | -                               | -    | -    | - | -     |
| 38   | 97,9*  | 116,0  | -     | -    | -                               | -    | -    | - | 114,0 |
| 42   | 87,2*  | 114,5  | -     | -    | -                               | -    | -    | - | 113,0 |
| 46   | 78,2*  | 112,5  | -     | -    | -                               | -    | -    | - | 113,0 |
| 50   | 70,2*  | 110,5  | -     | -    | -                               | -    | -    | - | 112,0 |
| 54   | 61,7*  | 108,5  | -     | -    | -                               | -    | -    | - | 111,0 |
| 58   | 54,5*  | 106,5  | -     | -    | -                               | -    | -    | - | 110,0 |
| 62   | 48,2*  | 104,0  | 106,0 | -    | -                               | -    | -    | - | 108,0 |
| 66   | 42,7*  | 102,0  | 106,0 | -    | -                               | -    | -    | - | 107,0 |
| 70   | 37,9*  | 99,9   | 105,5 | -    | -                               | -    | -    | - | 105,0 |
| 74   | 33,6*  | 97,0   | 104,5 | -    | -                               | -    | -    | - | 103,0 |
| 78   | 29,7*  | 93,2   | 103,5 | -    | -                               | -    | -    | - | 101,0 |
| 82   | 26,3*  | 87,1   | 102,5 | -    | -                               | -    | -    | - | 99,0  |
| 86   | 23,2*  | 80,4   | 97,8  | 92,8 | -                               | -    | -    | - | 97,0  |
| 90   | 20,3*  | 74,3   | 90,1  | 92,8 | -                               | -    | -    | - | 95,5  |
| 94   | 17,7*  | 68,7   | 83,1  | 92,8 | -                               | -    | -    | - | 93,5  |
| 98   | 15,3*  | 63,5   | 76,8  | 92,2 | -                               | -    | -    | - | 91,5  |
| 102  | -      | -      | 71,1  | 85,1 | -                               | -    | -    | - | 83,5  |
| 106  | -      | -      | 65,8  | 78,6 | 73,6                            | -    | -    | - | 75,5  |
| 110  | -      | -      | -     | 72,8 | 69,5                            | -    | -    | - | 68,0  |
| 114  | -      | -      | -     | 67,4 | 65,9                            | -    | -    | - | 62,5  |
| 118  | -      | -      | -     | 62,4 | 62,6                            | -    | -    | - | 57,5  |
| 122  | -      | -      | -     | -    | 59,5                            | 48,4 | -    | - | 51,0  |
| 126  | -      | -      | -     | -    | -                               | 45,5 | 44,6 | - | 49,7  |
| 130  | -      | -      | -     | -    | -                               | 42,8 | 38,4 | - | 43,8  |
| 134  | -      | -      | -     | -    | -                               | 40,3 | 34,1 | - | 38,2  |
| 138  | -      | -      | -     | -    | -                               | -    | 29,5 | - | 32,7  |
| 142  | -      | -      | -     | -    | -                               | -    | 23,1 | - | 28,0  |
| 146  | -      | -      | -     | -    | -                               | -    | -    | - | 25,2  |
| 150  | -      | -      | -     | -    | -                               | -    | -    | - | 19,8  |
| 154  | -      | -      | -     | -    | -                               | -    | -    | - | 14,2  |

| 0 t | 80 t | 160 t | 240 t | 320 t | 400 t | 450 t |
|-----|------|-------|-------|-------|-------|-------|
| 0 t | 80 t | 160 t | 240 t | 320 t | 400 t | 450 t |

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° · Ángulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 · Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche · Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1 · Ângulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°; as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |         |         |       |       |       |     |   |       |
|--|---------|---------|-------|-------|-------|-----|---|-------|
| 60 m + 36 m  |         |         |       |       |       |     |   |       |
| SWSL   |         |         |       |       |       |     |   | SFSL  |
| 0 t 80 t - 450 t                                   |         |         |       |       |       |     |   |       |
|  | 87°/85° | 87°/85° | 75°   | 65°   | 55°   | 45° |   |       |
| m  | t       | t       | t     | t     | t     | t   | t | t     |
| 16   | 297,0*  | 412,0*  | -     | -     | -     | -   | - | -     |
| 18   | 267,0*  | 402,0*  | -     | -     | -     | -   | - | -     |
| 19   | 255,0*  | 427,0   | -     | -     | -     | -   | - | -     |
| 20   | 243,0*  | 427,0   | -     | -     | -     | -   | - | 396,0 |
| 22   | 222,0*  | 419,0   | -     | -     | -     | -   | - | 396,0 |
| 24   | 204,0*  | 410,0   | -     | -     | -     | -   | - | 396,0 |
| 26   | 189,5*  | 400,0   | -     | -     | -     | -   | - | 396,0 |
| 28   | 175,0*  | 383,0   | -     | -     | -     | -   | - | 396,0 |
| 30   | 160,0*  | 370,0   | -     | -     | -     | -   | - | 392,0 |
| 34   | 136,0*  | 309,0   | -     | -     | -     | -   | - | 386,0 |
| 36   | 126,0*  | 285,0   | 366,0 | -     | -     | -   | - | 362,0 |
| 38   | 117,5*  | 264,0   | 346,0 | -     | -     | -   | - | 338,0 |
| 40   | 109,5*  | 246,0   | 326,0 | -     | -     | -   | - | 319,0 |
| 42   | 98,2    | 230,0   | 309,0 | -     | -     | -   | - | 300,0 |
| 46   | -       | -       | 278,0 | -     | -     | -   | - | 268,0 |
| 50   | -       | -       | 250,0 | -     | -     | -   | - | 241,0 |
| 53   | -       | -       | -     | 226,0 | -     | -   | - | 223,7 |
| 54   | -       | -       | -     | 221,0 | -     | -   | - | 218,0 |
| 58   | -       | -       | -     | 204,0 | -     | -   | - | 198,0 |
| 62   | -       | -       | -     | 189,0 | -     | -   | - | 181,0 |
| 66   | -       | -       | -     | -     | 164,5 | -   | - | 164,0 |
| 70   | -       | -       | -     | -     | 153,5 | -   | - | 145,0 |
| 74   | -       | -       | -     | -     | -     | -   | - | 128,0 |
| 78   | -       | -       | -     | -     | -     | -   | - | 114,0 |
| 82   | -       | -       | -     | -     | -     | -   | - | 103,0 |
| 86   | -       | -       | -     | -     | -     | -   | - | 88,5  |
| 90   | -       | -       | -     | -     | -     | -   | - | 76,5  |

| 60 m + 60 m      |         |         |       |       |       |      |   |       |
|------------------|---------|---------|-------|-------|-------|------|---|-------|
| SWSL             |         |         |       |       |       |      |   | SFSL  |
| 0 t 80 t - 450 t |         |         |       |       |       |      |   |       |
|                  | 87°/85° | 87°/85° | 75°   | 65°   | 55°   | 45°  |   |       |
| m                | t       | t       | t     | t     | t     | t    | t | t     |
| 22               | 196,5*  | 248,0*  | -     | -     | -     | -    | - | -     |
| 24               | 181,5*  | 247,0*  | -     | -     | -     | -    | - | -     |
| 26               | 168,0*  | 254,0   | -     | -     | -     | -    | - | -     |
| 28               | 156,5*  | 254,0   | -     | -     | -     | -    | - | 244,0 |
| 30               | 146,0*  | 254,0   | -     | -     | -     | -    | - | 244,0 |
| 34               | 129,0*  | 250,0   | -     | -     | -     | -    | - | 244,0 |
| 38               | 114,5*  | 243,0   | -     | -     | -     | -    | - | 244,0 |
| 42               | 101,5*  | 236,0   | -     | -     | -     | -    | - | 244,0 |
| 46               | 89,0*   | 221,0   | 250,0 | -     | -     | -    | - | 242,0 |
| 50               | 78,7*   | 196,0   | 248,0 | -     | -     | -    | - | 234,0 |
| 54               | 70,0*   | 175,5   | 231,0 | -     | -     | -    | - | 224,0 |
| 58               | 62,5*   | 158,0   | 211,0 | -     | -     | -    | - | 204,0 |
| 62               | 56,1*   | 143,0   | 188,5 | -     | -     | -    | - | 186,0 |
| 66               | 47,3    | 128,0   | 169,0 | 173,0 | -     | -    | - | 171,0 |
| 70               | -       | -       | 152,5 | 161,0 | -     | -    | - | 157,0 |
| 74               | -       | -       | 138,5 | 150,5 | -     | -    | - | 145,0 |
| 78               | -       | -       | -     | 141,5 | -     | -    | - | 134,0 |
| 82               | -       | -       | -     | 133,0 | 120,5 | -    | - | 123,0 |
| 86               | -       | -       | -     | 125,0 | 113,0 | -    | - | 110,0 |
| 90               | -       | -       | -     | -     | 106,0 | -    | - | 99,0  |
| 94               | -       | -       | -     | -     | 100,0 | -    | - | 88,0  |
| 98               | -       | -       | -     | -     | -     | 81,9 | - | 80,5  |
| 102              | -       | -       | -     | -     | -     | 77,6 | - | 72,0  |
| 106              | -       | -       | -     | -     | -     | -    | - | 62,5  |
| 110              | -       | -       | -     | -     | -     | -    | - | 53,0  |

| 60 m + 48 m |        |        |       |       |       |      |   |       |
|-------------|--------|--------|-------|-------|-------|------|---|-------|
| m           | t      | t      | t     | t     | t     | t    | t | t     |
| 19          | 239,0* | 320,0* | -     | -     | -     | -    | - | -     |
| 20          | 228,0* | 318,0* | -     | -     | -     | -    | - | -     |
| 22          | 209,0* | 331,0  | -     | -     | -     | -    | - | -     |
| 24          | 192,5* | 329,0  | -     | -     | -     | -    | - | 310,0 |
| 26          | 178,5* | 327,0  | -     | -     | -     | -    | - | 310,0 |
| 28          | 166,0* | 323,0  | -     | -     | -     | -    | - | 310,0 |
| 30          | 155,0* | 317,0  | -     | -     | -     | -    | - | 310,0 |
| 34          | 133,5* | 304,0  | -     | -     | -     | -    | - | 310,0 |
| 38          | 115,0* | 283,0  | -     | -     | -     | -    | - | 307,0 |
| 41          | 104,0* | 254,5  | 315,0 | -     | -     | -    | - | 302,5 |
| 42          | 100,5* | 246,0  | 306,0 | -     | -     | -    | - | 302,0 |
| 46          | 88,5*  | 217,0  | 276,0 | -     | -     | -    | - | 270,0 |
| 50          | 78,4*  | 192,5  | 250,0 | -     | -     | -    | - | 243,0 |
| 54          | 66,3   | 171,5  | 229,0 | -     | -     | -    | - | 220,0 |
| 58          | -      | -      | 207,0 | 201,0 | -     | -    | - | 200,0 |
| 62          | -      | -      | 185,0 | 186,0 | -     | -    | - | 183,0 |
| 66          | -      | -      | -     | 173,0 | -     | -    | - | 167,0 |
| 70          | -      | -      | -     | 161,0 | -     | -    | - | 154,0 |
| 74          | -      | -      | -     | 151,0 | 138,5 | -    | - | 140,0 |
| 78          | -      | -      | -     | -     | 130,0 | -    | - | 125,0 |
| 82          | -      | -      | -     | -     | 122,0 | -    | - | 111,0 |
| 86          | -      | -      | -     | -     | -     | 98,8 | - | 99,0  |
| 90          | -      | -      | -     | -     | -     | 93,4 | - | 91,0  |
| 94          | -      | -      | -     | -     | -     | -    | - | 79,5  |
| 98          | -      | -      | -     | -     | -     | -    | - | 68,0  |

| 60 m + 72 m |        |        |       |       |       |      |      |       |
|-------------|--------|--------|-------|-------|-------|------|------|-------|
| m           | t      | t      | t     | t     | t     | t    | t    | t     |
| 24          | 170,0* | 193,0* | -     | -     | -     | -    | -    | -     |
| 26          | 157,5* | 192,0* | -     | -     | -     | -    | -    | -     |
| 28          | 146,5* | 195,5  | -     | -     | -     | -    | -    | -     |
| 30          | 137,0* | 195,5  | -     | -     | -     | -    | -    | -     |
| 34          | 120,5* | 193,5  | -     | -     | -     | -    | -    | 188,0 |
| 38          | 107,0* | 190,5  | -     | -     | -     | -    | -    | 188,0 |
| 42          | 95,4*  | 187,0  | -     | -     | -     | -    | -    | 188,0 |
| 46          | 83,5*  | 183,0  | -     | -     | -     | -    | -    | 188,0 |
| 50          | 73,6*  | 179,0  | -     | -     | -     | -    | -    | 188,0 |
| 54          | 65,3*  | 171,5  | 186,0 | -     | -     | -    | -    | 186,0 |
| 58          | 58,1*  | 154,5  | 185,5 | -     | -     | -    | -    | 180,0 |
| 62          | 51,9*  | 140,0  | 184,5 | -     | -     | -    | -    | 175,0 |
| 66          | 46,4*  | 127,5  | 165,5 | -     | -     | -    | -    | 171,0 |
| 70          | 41,6*  | 116,5  | 149,5 | -     | -     | -    | -    | 157,0 |
| 74          | 37,3*  | 106,5  | 135,5 | 145,0 | -     | -    | -    | 145,0 |
| 78          | -      | -      | 123,5 | 136,0 | -     | -    | -    | 134,0 |
| 82          | -      | -      | 113,0 | 127,5 | -     | -    | -    | 124,0 |
| 86          | -      | -      | 103,5 | 120,5 | -     | -    | -    | 115,0 |
| 90          | -      | -      | -     | 113,5 | 100,5 | -    | -    | 104,0 |
| 94          | -      | -      | -     | 107,5 | 94,7  | -    | -    | 94,0  |
| 98          | -      | -      | -     | 100,0 | 89,2  | -    | -    | 84,0  |
| 102         | -      | -      | -     | -     | 84,2  | -    | -    | 75,0  |
| 106         | -      | -      | -     | -     | -     | 79,6 | 68,0 | 68,5  |
| 110         | -      | -      | -     | -     | -     | -    | 64,1 | 62,0  |
| 114         | -      | -      | -     | -     | -     | -    | 60,5 | 54,0  |
| 118         | -      | -      | -     | -     | -     | -    | -    | 46,2  |
| 122         | -      | -      | -     | -     | -     | -    | -    | 40,6  |

0t 80t 160t 240t 320t 400t 450t

For explanations see page 79 · Bemerkungen siehe Seite 79 · Pour plus de détails, voir page 79 · Per spiegazioni vedere a pagina 79 · Véase p. 79 para más información · Para explicações, ver página 79 · Объяснения см. на стр. 79

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |        |        |       |       |      |      |      |       | 60 m + 84 m                     |        |        |                                 |      |      |      |   |   | 60 m + 96 m |        |        |                                 |      |      |      |       |  |
|--|--------|--------|-------|-------|------|------|------|-------|---------------------------------|--------|--------|---------------------------------|------|------|------|---|---|-------------|--------|--------|---------------------------------|------|------|------|-------|--|
| SWSL   |        |        |       |       |      |      |      |       | SFSL                            |        |        | SWSL                            |      |      |      |   |   |             |        |        | SFSL                            |      |      |      |       |  |
| 0 t 80 t - 450 t                                   |        |        |       |       |      |      |      |       | 0 t 80 t - 450 t                |        |        | 0 t 80 t - 450 t                |      |      |      |   |   |             |        |        | 0 t 80 t - 450 t                |      |      |      |       |  |
| 87°/85° 87°/85° 75° 65° 55° 45°                    |        |        |       |       |      |      |      |       | 87°/85° 87°/85° 75° 65° 55° 45° |        |        | 87°/85° 87°/85° 75° 65° 55° 45° |      |      |      |   |   |             |        |        | 87°/85° 87°/85° 75° 65° 55° 45° |      |      |      |       |  |
| m  | t      | t      | t     | t     | t    | t    | t    | t     | m                               | t      | t      | t                               | t    | t    | t    | t | t | m           | t      | t      | t                               | t    | t    | t    | t     |  |
| 28   | 138,5* | 148,5* | -     | -     | -    | -    | -    | -     | 30                              | 107,5* | 112,5* | -                               | -    | -    | -    | - | - | 34          | 106,0* | 111,0* | -                               | -    | -    | -    | -     |  |
| 30   | 129,5* | 147,5* | -     | -     | -    | -    | -    | -     | 36                              | 100,4* | 112,0  | -                               | -    | -    | -    | - | - | 38          | 94,7*  | 111,5  | -                               | -    | -    | -    | -     |  |
| 32   | 121,5* | 149,0  | -     | -     | -    | -    | -    | -     | 42                              | 84,4*  | 110,0  | -                               | -    | -    | -    | - | - | 46          | 75,6*  | 108,5  | -                               | -    | -    | -    | -     |  |
| 34   | 113,5* | 149,0  | -     | -     | -    | -    | -    | -     | 50                              | 68,0*  | 106,5  | -                               | -    | -    | -    | - | - | 54          | 61,0*  | 105,0  | -                               | -    | -    | -    | -     |  |
| 38   | 100,5* | 147,5  | -     | -     | -    | -    | -    | 144,0 | 58                              | 53,8*  | 103,0  | -                               | -    | -    | -    | - | - | 62          | 47,5*  | 101,0  | 101,5                           | -    | -    | -    | 105,0 |  |
| 42   | 90,1*  | 145,5  | -     | -     | -    | -    | -    | 144,0 | 66                              | 42,1*  | 99,0   | 101,5                           | -    | -    | -    | - | - | 70          | 37,3*  | 97,0   | 101,5                           | -    | -    | -    | 103,0 |  |
| 46   | 81,0*  | 143,5  | -     | -     | -    | -    | -    | 144,0 | 74                              | 33,0*  | 94,6   | 101,5                           | -    | -    | -    | - | - | 78          | 29,2*  | 91,5   | 100,5                           | -    | -    | -    | 101,0 |  |
| 50   | 71,6*  | 141,0  | -     | -     | -    | -    | -    | 144,0 | 82                              | 25,8*  | 88,3   | 99,7                            | -    | -    | -    | - | - | 86          | 22,6*  | 82,2   | 98,5                            | 88,7 | -    | -    | 96,5  |  |
| 54   | 63,2*  | 138,5  | -     | -     | -    | -    | -    | 144,0 | 90                              | 19,8*  | 76,0   | 94,1                            | 88,7 | -    | -    | - | - | 94          | 17,2*  | 70,3   | 86,8                            | 88,7 | -    | -    | 91,0  |  |
| 58   | 56,0*  | 136,5  | 140,0 | -     | -    | -    | -    | 143,0 | 98                              | 14,8*  | 65,0   | 80,2                            | 88,7 | -    | -    | - | - | 102         | -      | -      | 74,2                            | 88,7 | -    | -    | 86,0  |  |
| 62   | 49,8*  | 134,0  | 139,5 | -     | -    | -    | -    | 140,0 | 106                             | -      | -      | 68,7                            | 83,7 | -    | -    | - | - | 110         | -      | -      | 63,5                            | 77,5 | 69,0 | -    | 70,5  |  |
| 66   | 44,4*  | 127,0  | 139,5 | -     | -    | -    | -    | 138,0 | 114                             | -      | -      | -                               | 71,7 | 65,1 | -    | - | - | 118         | -      | -      | -                               | 66,4 | 61,4 | -    | 56,0  |  |
| 70   | 39,6*  | 116,0  | 139,0 | -     | -    | -    | -    | 135,0 | 122                             | -      | -      | -                               | -    | 58,0 | -    | - | - | 130         | -      | -      | -                               | -    | 51,8 | 44,5 | 47,0  |  |
| 74   | 35,3*  | 106,5  | 135,0 | -     | -    | -    | -    | 133,0 | 126                             | -      | -      | -                               | -    | 54,8 | 41,8 | - | - | 134         | -      | -      | -                               | -    | -    | 39,3 | 35,1  |  |
| 78   | 31,5*  | 97,9   | 123,0 | 124,0 | -    | -    | -    | 131,0 | 138                             | -      | -      | -                               | -    | 50,8 | 47,9 | - | - | 142         | -      | -      | -                               | -    | -    | -    | 29,3  |  |
| 82   | 28,1*  | 90,2   | 112,5 | 124,0 | -    | -    | -    | 125,0 | 142                             | -      | -      | -                               | -    | 47,9 | 40,8 | - | - | 146         | -      | -      | -                               | -    | -    | -    | 25,8  |  |
| 86   | 24,9*  | 83,2   | 103,5 | 118,0 | -    | -    | -    | 116,0 | 146                             | -      | -      | -                               | -    | 45,0 | 38,0 | - | - | -           | -      | -      | -                               | -    | -    | -    | 20,8  |  |
| 90   | -      | -      | 95,4  | 111,5 | -    | -    | -    | 107,0 | -                               | -      | -      | -                               | -    | 42,0 | 35,0 | - | - | -           | -      | -      | -                               | -    | -    | -    | -     |  |
| 94   | -      | -      | 88,0  | 105,5 | -    | -    | -    | 99,5  | -                               | -      | -      | -                               | -    | 39,0 | 32,0 | - | - | -           | -      | -      | -                               | -    | -    | -    | -     |  |
| 98   | -      | -      | 81,2  | 99,7  | 86,0 | -    | -    | 90,5  | -                               | -      | -      | -                               | -    | 36,0 | 29,0 | - | - | -           | -      | -      | -                               | -    | -    | -    | -     |  |
| 102  | -      | -      | -     | 92,0  | 81,0 | -    | -    | 81,5  | -                               | -      | -      | -                               | -    | 33,0 | 26,0 | - | - | -           | -      | -      | -                               | -    | -    | -    | -     |  |
| 106  | -      | -      | -     | 84,9  | 76,5 | -    | -    | 73,0  | -                               | -      | -      | -                               | -    | 30,0 | 23,0 | - | - | -           | -      | -      | -                               | -    | -    | -    | -     |  |
| 110  | -      | -      | -     | -     | 72,2 | -    | -    | 65,0  | -                               | -      | -      | -                               | -    | 27,0 | 20,0 | - | - | -           | -      | -      | -                               | -    | -    | -    | -     |  |
| 114  | -      | -      | -     | -     | -    | 68,3 | -    | 59,5  | -                               | -      | -      | -                               | -    | 24,0 | 17,0 | - | - | -           | -      | -      | -                               | -    | -    | -    | -     |  |
| 118  | -      | -      | -     | -     | -    | -    | 64,6 | 54,5  | -                               | -      | -      | -                               | -    | 21,0 | 14,0 | - | - | -           | -      | -      | -                               | -    | -    | -    | -     |  |
| 122  | -      | -      | -     | -     | -    | -    | -    | 50,8  | 47,6                            | -      | -      | -                               | -    | 18,0 | 11,0 | - | - | -           | -      | -      | -                               | -    | -    | -    | -     |  |
| 126  | -      | -      | -     | -     | -    | -    | -    | 47,9  | 40,8                            | -      | -      | -                               | -    | 15,0 | 8,0  | - | - | -           | -      | -      | -                               | -    | -    | -    | -     |  |
| 130  | -      | -      | -     | -     | -    | -    | -    | -     | 34,2                            | -      | -      | -                               | -    | 12,0 | 5,0  | - | - | -           | -      | -      | -                               | -    | -    | -    | -     |  |
| 134  | -      | -      | -     | -     | -    | -    | -    | -     | 30,8                            | -      | -      | -                               | -    | 9,0  | 2,0  | - | - | -           | -      | -      | -                               | -    | -    | -    | -     |  |

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° ·  
 Ângulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 · Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche · Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1 · Ângulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°; as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |         |         |      |      |      |      |      |
|--|---------|---------|------|------|------|------|------|
| 60 m + 108 m                                       |         |         |      |      |      |      |      |
| SWSL   |         |         |      |      |      |      | SFSL |
| 0 t 80 t - 450 t                                   |         |         |      |      |      |      |      |
|  | 87°/85° | 87°/85° | 75°  | 65°  | 55°  | 45°  |      |
| m  | t       | t       | t    | t    | t    | t    | t    |
| 32   | 79,8*   | 84,4*   | -    | -    | -    | -    | -    |
| 34   | 79,8*   | 84,1*   | -    | -    | -    | -    | -    |
| 38   | 79,3    | 83,2    | -    | -    | -    | -    | -    |
| 42   | 77,6*   | 82,4    | -    | -    | -    | -    | -    |
| 46   | 70,5*   | 81,2    | -    | -    | -    | -    | 80,5 |
| 50   | 63,2*   | 80,0    | -    | -    | -    | -    | 80,0 |
| 54   | 56,8*   | 78,8    | -    | -    | -    | -    | 79,5 |
| 58   | 51,2*   | 77,5    | -    | -    | -    | -    | 78,5 |
| 62   | 45,5*   | 76,1    | -    | -    | -    | -    | 77,5 |
| 66   | 40,0*   | 74,7    | 73,4 | -    | -    | -    | 76,0 |
| 70   | 35,2*   | 73,4    | 73,3 | -    | -    | -    | 75,0 |
| 74   | 30,9*   | 72,0    | 73,1 | -    | -    | -    | 73,5 |
| 78   | 27,0*   | 70,7    | 72,9 | -    | -    | -    | 72,5 |
| 82   | 23,6*   | 68,7    | 72,6 | -    | -    | -    | 71,0 |
| 86   | 20,5*   | 66,0    | 72,1 | -    | -    | -    | 69,5 |
| 90   | 17,6*   | 63,1    | 71,5 | -    | -    | -    | 68,5 |
| 94   | 15,0*   | 60,3    | 71,0 | 62,6 | -    | -    | 67,0 |
| 98   | 12,6*   | 57,4    | 70,2 | 62,6 | -    | -    | 65,5 |
| 102  | 10,4*   | 54,5    | 68,9 | 62,6 | -    | -    | 64,0 |
| 106  | 8,4*    | 51,7    | 66,9 | 62,6 | -    | -    | 63,0 |
| 110  | 6,5*    | 48,8    | 62,5 | 62,6 | -    | -    | 61,5 |
| 114  | -       | -       | 57,9 | 62,6 | -    | -    | 59,0 |
| 118  | -       | -       | 53,6 | 62,6 | 54,4 | -    | 56,5 |
| 122  | -       | -       | 49,5 | 60,5 | 54,3 | -    | 54,0 |
| 126  | -       | -       | -    | 56,0 | 51,9 | -    | 48,3 |
| 130  | -       | -       | -    | 51,9 | 48,9 | -    | 43,4 |
| 134  | -       | -       | -    | -    | 46,1 | -    | 39,8 |
| 138  | -       | -       | -    | -    | 43,4 | 33,8 | 34,9 |
| 142  | -       | -       | -    | -    | 41,1 | 31,5 | 29,6 |
| 146  | -       | -       | -    | -    | -    | 29,4 | 24,5 |
| 150  | -       | -       | -    | -    | -    | 27,4 | 20,1 |
| 154  | -       | -       | -    | -    | -    | -    | 17,0 |
| 158  | -       | -       | -    | -    | -    | -    | 12,1 |

| 66 m + 48 m      |         |         |       |       |       |      |       |
|------------------|---------|---------|-------|-------|-------|------|-------|
| SWSL             |         |         |       |       |       |      | SFSL  |
| 0 t 80 t - 450 t |         |         |       |       |       |      |       |
|                  | 87°/85° | 87°/85° | 75°   | 65°   | 55°   | 45°  |       |
| m                | t       | t       | t     | t     | t     | t    | t     |
| 19               | 230,0*  | 297,0*  | -     | -     | -     | -    | -     |
| 20               | 220,0*  | 297,0*  | -     | -     | -     | -    | -     |
| 22               | 202,0*  | 293,0*  | -     | -     | -     | -    | -     |
| 24               | 186,5*  | 305,0   | -     | -     | -     | -    | 290,0 |
| 26               | 173,0*  | 303,0   | -     | -     | -     | -    | 290,0 |
| 28               | 161,0*  | 299,0   | -     | -     | -     | -    | 290,0 |
| 30               | 150,5*  | 294,0   | -     | -     | -     | -    | 290,0 |
| 34               | 132,5*  | 283,0   | -     | -     | -     | -    | 290,0 |
| 38               | 114,0*  | 272,0   | -     | -     | -     | -    | 283,0 |
| 42               | 99,5*   | 250,0   | 302,0 | -     | -     | -    | 280,0 |
| 46               | 87,5*   | 220,0   | 273,0 | -     | -     | -    | 268,0 |
| 50               | 77,5*   | 196,0   | 248,0 | -     | -     | -    | 240,0 |
| 54               | 65,0    | 173,0   | 226,0 | -     | -     | -    | 217,0 |
| 58               | -       | -       | 208,0 | -     | -     | -    | 197,0 |
| 62               | -       | -       | 193,0 | 182,0 | -     | -    | 180,0 |
| 66               | -       | -       | 174,0 | 169,0 | -     | -    | 164,0 |
| 70               | -       | -       | -     | 157,5 | -     | -    | 151,0 |
| 74               | -       | -       | -     | 147,5 | -     | -    | 139,0 |
| 78               | -       | -       | -     | -     | 128,5 | -    | 128,0 |
| 82               | -       | -       | -     | -     | 120,5 | -    | 115,0 |
| 86               | -       | -       | -     | -     | 113,5 | -    | 103,0 |
| 90               | -       | -       | -     | -     | -     | 88,9 | 91,0  |
| 94               | -       | -       | -     | -     | -     | 84,1 | 81,5  |
| 98               | -       | -       | -     | -     | -     | -    | 74,0  |
| 102              | -       | -       | -     | -     | -     | -    | 63,5  |
| 106              | -       | -       | -     | -     | -     | -    | 53,0  |

| 66 m + 60 m |        |        |       |       |       |      |       |
|-------------|--------|--------|-------|-------|-------|------|-------|
| m           | t      | t      | t     | t     | t     | t    | t     |
| 22          | 190,0* | 233,0* | -     | -     | -     | -    | -     |
| 24          | 175,5* | 232,0* | -     | -     | -     | -    | -     |
| 26          | 163,0* | 238,0  | -     | -     | -     | -    | -     |
| 28          | 151,5* | 238,0  | -     | -     | -     | -    | 229,0 |
| 30          | 141,5* | 237,0  | -     | -     | -     | -    | 229,0 |
| 34          | 125,0* | 234,0  | -     | -     | -     | -    | 229,0 |
| 38          | 111,0* | 228,0  | -     | -     | -     | -    | 229,0 |
| 42          | 100,0* | 221,0  | -     | -     | -     | -    | 226,0 |
| 46          | 88,2*  | 214,0  | -     | -     | -     | -    | 224,0 |
| 48          | 82,8*  | 210,0  | 235,0 | -     | -     | -    | 223,0 |
| 50          | 77,9*  | 202,0  | 233,0 | -     | -     | -    | 222,0 |
| 54          | 69,3*  | 186,5  | 228,0 | -     | -     | -    | 213,0 |
| 58          | 61,8*  | 168,5  | 210,0 | -     | -     | -    | 201,0 |
| 62          | 55,4*  | 150,0  | 194,0 | -     | -     | -    | 184,0 |
| 66          | 46,3   | 127,0  | 180,0 | -     | -     | -    | 168,0 |
| 70          | -      | -      | 166,5 | 157,5 | -     | -    | 154,0 |
| 74          | -      | -      | 152,0 | 147,5 | -     | -    | 142,0 |
| 78          | -      | -      | 133,5 | 138,0 | -     | -    | 131,0 |
| 82          | -      | -      | -     | 130,0 | -     | -    | 121,0 |
| 86          | -      | -      | -     | 122,5 | 112,0 | -    | 112,0 |
| 90          | -      | -      | -     | -     | 105,0 | -    | 102,0 |
| 94          | -      | -      | -     | -     | 99,2  | -    | 91,5  |
| 98          | -      | -      | -     | -     | 93,7  | -    | 81,5  |
| 102         | -      | -      | -     | -     | -     | 73,5 | 71,5  |
| 106         | -      | -      | -     | -     | -     | 69,8 | 66,0  |
| 110         | -      | -      | -     | -     | -     | -    | 58,0  |
| 114         | -      | -      | -     | -     | -     | -    | 49,3  |
| 118         | -      | -      | -     | -     | -     | -    | 41,9  |

| 66 m + 36 m |        |        |       |       |       |   |       |
|-------------|--------|--------|-------|-------|-------|---|-------|
| m           | t      | t      | t     | t     | t     | t | t     |
| 16          | 286,0* | 379,0* | -     | -     | -     | - | -     |
| 18          | 258,0* | 374,0* | -     | -     | -     | - | -     |
| 20          | 234,0* | 389,0  | -     | -     | -     | - | 368,0 |
| 22          | 215,0* | 385,0  | -     | -     | -     | - | 368,0 |
| 24          | 198,0* | 378,0  | -     | -     | -     | - | 368,0 |
| 26          | 183,5* | 369,0  | -     | -     | -     | - | 368,0 |
| 28          | 171,0* | 360,0  | -     | -     | -     | - | 363,0 |
| 30          | 159,0* | 351,0  | -     | -     | -     | - | 363,0 |
| 34          | 135,0* | 316,0  | -     | -     | -     | - | 356,0 |
| 38          | 116,5* | 269,0  | 341,0 | -     | -     | - | 335,0 |
| 40          | 108,5* | 250,0  | 323,0 | -     | -     | - | 316,0 |
| 42          | 96,6   | 233,0  | 305,0 | -     | -     | - | 297,0 |
| 46          | -      | -      | 275,0 | -     | -     | - | 265,0 |
| 50          | -      | -      | 250,0 | -     | -     | - | 238,0 |
| 54          | -      | -      | 229,0 | 217,0 | -     | - | 215,0 |
| 58          | -      | -      | -     | 200,0 | -     | - | 195,0 |
| 62          | -      | -      | -     | 185,0 | -     | - | 178,0 |
| 66          | -      | -      | -     | -     | -     | - | 162,0 |
| 70          | -      | -      | -     | -     | 151,0 | - | 149,0 |
| 74          | -      | -      | -     | -     | 141,5 | - | 134,0 |
| 78          | -      | -      | -     | -     | -     | - | 118,0 |
| 82          | -      | -      | -     | -     | -     | - | 104,0 |
| 86          | -      | -      | -     | -     | -     | - | 94,5  |
| 90          | -      | -      | -     | -     | -     | - | 82,5  |
| 94          | -      | -      | -     | -     | -     | - | 69,5  |

| 0 t 80 t 160 t 240 t 320 t 400 t 450 t |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|--|--|--|--|--|--|--|--|

See page 81 · Siehe Seite 81 · Voir page 81 · Vedere a pagina 81 · Véase página 81 · Ver página 81 · см. на стр. 81

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |        | 66 m + 72 m |         | SWSL         |      | SFSL |       |
|--|--------|-------------|---------|--------------|------|------|-------|
|  |        | 0 t         |         | 80 t - 450 t |      |      |       |
|  |        | 87°/85°     | 87°/85° | 75°          | 65°  | 55°  | 45°   |
| m  | t      | t           | t       | t            | t    | t    | t     |
| 24   | 164,0* | 182,5*      | -       | -            | -    | -    | -     |
| 26   | 152,0* | 182,0*      | -       | -            | -    | -    | -     |
| 28   | 141,5* | 180,5*      | -       | -            | -    | -    | -     |
| 30   | 132,5* | 184,5*      | -       | -            | -    | -    | -     |
| 34   | 116,5* | 182,5*      | -       | -            | -    | -    | 178,0 |
| 38   | 103,5* | 180,0*      | -       | -            | -    | -    | 178,0 |
| 42   | 92,8*  | 177,0*      | -       | -            | -    | -    | 178,0 |
| 46   | 82,7*  | 173,5*      | -       | -            | -    | -    | 178,0 |
| 50   | 72,9*  | 169,5*      | -       | -            | -    | -    | 178,0 |
| 54   | 64,6*  | 166,0*      | 177,0   | -            | -    | -    | 177,0 |
| 58   | 57,4*  | 161,0*      | 176,5   | -            | -    | -    | 171,0 |
| 62   | 51,3*  | 151,0*      | 175,5   | -            | -    | -    | 167,0 |
| 66   | 45,8*  | 137,5*      | 174,0   | -            | -    | -    | 163,0 |
| 70   | 41,1*  | 124,0*      | 162,0   | -            | -    | -    | 155,0 |
| 74   | 36,8*  | 109,0*      | 149,5   | 141,5        | -    | -    | 143,0 |
| 78   | 29,9   | 93,0        | 136,5   | 132,5        | -    | -    | 131,0 |
| 82   | -      | -           | 125,0   | 124,5        | -    | -    | 121,0 |
| 86   | -      | -           | 114,5   | 117,5        | -    | -    | 112,0 |
| 90   | -      | -           | -       | 111,0        | -    | -    | 104,0 |
| 94   | -      | -           | -       | 105,0        | 93,5 | -    | 96,5  |
| 98   | -      | -           | -       | 99,6         | 88,1 | -    | 86,5  |
| 102  | -      | -           | -       | -            | 83,1 | -    | 77,5  |
| 106  | -      | -           | -       | -            | 78,5 | -    | 69,0  |
| 110  | -      | -           | -       | -            | 74,2 | 61,5 | 61,0  |
| 114  | -      | -           | -       | -            | -    | 58,4 | 56,0  |
| 118  | -      | -           | -       | -            | -    | 55,6 | 49,9  |
| 122  | -      | -           | -       | -            | -    | -    | 42,5  |
| 126  | -      | -           | -       | -            | -    | -    | 35,0  |
| 130  | -      | -           | -       | -            | -    | -    | 30,7  |

| 66 m + 96 m |        | SWSL    |         | SFSL         |      |      |       |
|-------------|--------|---------|---------|--------------|------|------|-------|
|             |        | 0 t     |         | 80 t - 450 t |      |      |       |
|             |        | 87°/85° | 87°/85° | 75°          | 65°  | 55°  | 45°   |
| m           | t      | t       | t       | t            | t    | t    | t     |
| 30          | 103,0* | 107,0*  | -       | -            | -    | -    | -     |
| 34          | 101,0* | 106,0*  | -       | -            | -    | -    | -     |
| 36          | 96,3*  | 106,5*  | -       | -            | -    | -    | -     |
| 38          | 91,5*  | 106,5*  | -       | -            | -    | -    | -     |
| 42          | 81,5*  | 105,0*  | -       | -            | -    | -    | 104,0 |
| 46          | 73,0*  | 103,5*  | -       | -            | -    | -    | 103,0 |
| 50          | 65,7*  | 102,0*  | -       | -            | -    | -    | 103,0 |
| 54          | 59,4*  | 100,5*  | -       | -            | -    | -    | 103,0 |
| 58          | 53,1*  | 98,8*   | -       | -            | -    | -    | 102,0 |
| 62          | 46,9*  | 96,9*   | 97,8    | -            | -    | -    | 101,0 |
| 66          | 41,5*  | 95,1*   | 97,8    | -            | -    | -    | 100,0 |
| 70          | 36,7*  | 93,2*   | 97,8    | -            | -    | -    | 98,0  |
| 74          | 32,5*  | 91,1*   | 97,7    | -            | -    | -    | 96,5  |
| 78          | 28,7*  | 88,7*   | 97,2    | -            | -    | -    | 95,0  |
| 82          | 25,3*  | 86,1*   | 96,5    | -            | -    | -    | 93,5  |
| 86          | 22,2*  | 83,5*   | 95,4    | -            | -    | -    | 91,5  |
| 90          | 19,4*  | 81,0*   | 94,5    | 85,1         | -    | -    | 90,0  |
| 94          | 16,8*  | 74,5*   | 93,5    | 85,1         | -    | -    | 88,5  |
| 98          | 14,4*  | 65,9*   | 88,9    | 85,0         | -    | -    | 86,5  |
| 102         | -      | -       | 82,4    | 85,0         | -    | -    | 84,5  |
| 106         | -      | -       | 76,4    | 85,0         | -    | -    | 78,0  |
| 110         | -      | -       | 70,4    | 81,1         | 67,8 | -    | 71,5  |
| 114         | -      | -       | -       | 77,1         | 63,9 | -    | 64,5  |
| 118         | -      | -       | -       | 73,4         | 60,3 | -    | 58,0  |
| 122         | -      | -       | -       | 69,9         | 56,9 | -    | 51,5  |
| 126         | -      | -       | -       | -            | 53,7 | -    | 45,5  |
| 130         | -      | -       | -       | -            | 50,8 | 40,2 | 40,7  |
| 134         | -      | -       | -       | -            | -    | 37,7 | 37,1  |
| 138         | -      | -       | -       | -            | -    | 35,4 | 31,6  |
| 142         | -      | -       | -       | -            | -    | 33,2 | 26,1  |
| 146         | -      | -       | -       | -            | -    | -    | 20,6  |
| 150         | -      | -       | -       | -            | -    | -    | 16,7  |

| 66 m + 84 m |        | SWSL    |         | SFSL         |      |      |       |
|-------------|--------|---------|---------|--------------|------|------|-------|
|             |        | 0 t     |         | 80 t - 450 t |      |      |       |
|             |        | 87°/85° | 87°/85° | 75°          | 65°  | 55°  | 45°   |
| m           | t      | t       | t       | t            | t    | t    | t     |
| 28          | 134,0* | 141,0*  | -       | -            | -    | -    | -     |
| 30          | 125,0* | 140,0*  | -       | -            | -    | -    | -     |
| 32          | 117,5* | 141,5*  | -       | -            | -    | -    | -     |
| 34          | 110,0* | 141,5*  | -       | -            | -    | -    | -     |
| 38          | 97,6*  | 140,0*  | -       | -            | -    | -    | 137,0 |
| 42          | 87,2*  | 138,5*  | -       | -            | -    | -    | 137,0 |
| 46          | 78,4*  | 136,5*  | -       | -            | -    | -    | 137,0 |
| 50          | 70,8*  | 134,5*  | -       | -            | -    | -    | 137,0 |
| 54          | 62,5*  | 132,0*  | -       | -            | -    | -    | 137,0 |
| 58          | 55,4*  | 130,0*  | 133,5   | -            | -    | -    | 137,0 |
| 62          | 49,2*  | 127,5*  | 133,5   | -            | -    | -    | 135,0 |
| 66          | 43,8*  | 125,5*  | 133,5   | -            | -    | -    | 132,0 |
| 70          | 39,0*  | 123,5*  | 133,0   | -            | -    | -    | 129,0 |
| 74          | 34,8*  | 115,0*  | 132,5   | -            | -    | -    | 127,0 |
| 78          | 31,0*  | 105,5*  | 132,0   | -            | -    | -    | 125,0 |
| 82          | 27,6*  | 95,8*   | 124,0   | 118,5        | -    | -    | 122,0 |
| 86          | 24,5*  | 84,7*   | 114,0   | 115,0        | -    | -    | 113,0 |
| 90          | -      | -       | 105,0   | 108,5        | -    | -    | 105,0 |
| 94          | -      | -       | 97,3    | 102,5        | -    | -    | 97,5  |
| 98          | -      | -       | 89,7    | 97,4         | -    | -    | 90,5  |
| 102         | -      | -       | -       | 92,3         | 79,8 | -    | 83,5  |
| 106         | -      | -       | -       | 87,7         | 75,3 | -    | 75,0  |
| 110         | -      | -       | -       | 83,4         | 71,1 | -    | 67,5  |
| 114         | -      | -       | -       | -            | 67,2 | -    | 60,0  |
| 118         | -      | -       | -       | -            | 63,5 | -    | 53,0  |
| 122         | -      | -       | -       | -            | 60,1 | 49,1 | 48,1  |
| 126         | -      | -       | -       | -            | -    | 46,3 | 43,5  |
| 130         | -      | -       | -       | -            | -    | 43,7 | 37,1  |
| 134         | -      | -       | -       | -            | -    | -    | 30,8  |
| 138         | -      | -       | -       | -            | -    | -    | 25,8  |

0 t 80 t 160 t 240 t 320 t 400 t 450 t

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° · Ángulo de pluma principal 87° · Ángulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet

Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche

Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della grua IC-1

Ángulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1

Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°, as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1

Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |       | 66 m + 108 m |      | SWSL    |         |              |     |     |      |   | SFSL |
|--|-------|--------------|------|---------|---------|--------------|-----|-----|------|---|------|
|  |       |              |      | 0 t     |         | 80 t - 450 t |     |     |      |   |      |
|  |       |              |      | 87°/85° | 87°/85° | 75°          | 65° | 55° | 45°  |   |      |
| m  | t     | t            | t    | t       | t       | t            | t   | t   | t    | t |      |
| 32   | 76,7* | 80,2*        | -    | -       | -       | -            | -   | -   | -    | - |      |
| 34   | 76,7* | 80,2*        | -    | -       | -       | -            | -   | -   | -    | - |      |
| 38   | 76,2* | 79,3         | -    | -       | -       | -            | -   | -   | -    | - |      |
| 42   | 74,5* | 78,8         | -    | -       | -       | -            | -   | -   | -    | - |      |
| 46   | 67,9* | 77,9         | -    | -       | -       | -            | -   | -   | 77,0 | - |      |
| 50   | 60,8* | 76,8         | -    | -       | -       | -            | -   | -   | 76,5 | - |      |
| 54   | 54,7* | 75,8         | -    | -       | -       | -            | -   | -   | 76,0 | - |      |
| 58   | 49,3* | 74,6         | -    | -       | -       | -            | -   | -   | 75,5 | - |      |
| 62   | 44,4* | 73,3         | -    | -       | -       | -            | -   | -   | 74,5 | - |      |
| 66   | 39,5* | 72,0         | -    | -       | -       | -            | -   | -   | 73,5 | - |      |
| 70   | 34,6* | 70,7         | 70,3 | -       | -       | -            | -   | -   | 72,5 | - |      |
| 74   | 30,4* | 69,5         | 70,3 | -       | -       | -            | -   | -   | 71,5 | - |      |
| 78   | 26,6* | 68,2         | 70,2 | -       | -       | -            | -   | -   | 70,5 | - |      |
| 82   | 23,1* | 66,5         | 70,1 | -       | -       | -            | -   | -   | 69,0 | - |      |
| 86   | 20,0* | 64,2         | 69,8 | -       | -       | -            | -   | -   | 67,5 | - |      |
| 90   | 17,2* | 61,7         | 69,3 | -       | -       | -            | -   | -   | 66,5 | - |      |
| 94   | 14,6* | 59,3         | 68,9 | -       | -       | -            | -   | -   | 65,0 | - |      |
| 98   | 12,2* | 56,8         | 68,2 | 59,9    | -       | -            | -   | -   | 64,0 | - |      |
| 102  | 10,1* | 54,3         | 67,4 | 59,9    | -       | -            | -   | -   | 62,5 | - |      |
| 106  | 8,0*  | 51,9         | 66,0 | 59,9    | -       | -            | -   | -   | 61,5 | - |      |
| 110  | 6,1*  | 49,4         | 64,4 | 59,9    | -       | -            | -   | -   | 60,0 | - |      |
| 114  | -     | -            | 62,7 | 59,9    | -       | -            | -   | -   | 58,0 | - |      |
| 118  | -     | -            | 60,2 | 59,9    | -       | -            | -   | -   | 56,0 | - |      |
| 122  | -     | -            | 55,3 | 59,9    | 51,9    | -            | -   | -   | 53,5 | - |      |
| 126  | -     | -            | -    | 59,9    | 50,7    | -            | -   | -   | 49,6 | - |      |
| 130  | -     | -            | -    | 59,4    | 47,8    | -            | -   | -   | 43,9 | - |      |
| 134  | -     | -            | -    | 55,2    | 45,0    | -            | -   | -   | 38,4 | - |      |
| 138  | -     | -            | -    | -       | 42,4    | -            | -   | -   | 34,0 | - |      |
| 142  | -     | -            | -    | -       | -       | 29,9         | -   | -   | 30,7 | - |      |
| 146  | -     | -            | -    | -       | -       | 27,9         | -   | -   | 26,2 | - |      |
| 150  | -     | -            | -    | -       | -       | 25,9         | -   | -   | 21,4 | - |      |
| 154  | -     | -            | -    | -       | -       | 24,1         | -   | -   | 16,5 | - |      |
| 158  | -     | -            | -    | -       | -       | -            | -   | -   | 11,7 | - |      |
| 162  | -     | -            | -    | -       | -       | -            | -   | -   | 8,7  | - |      |

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° · Ángulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet

Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche

Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1

Ángulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1

Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°, as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1

Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 72 m + 36 m |        | SWSL    |         |              |       |     |     |       | SFSL |
|-------------|--------|---------|---------|--------------|-------|-----|-----|-------|------|
|             |        | 0 t     |         | 80 t - 450 t |       |     |     |       |      |
|             |        | 87°/85° | 87°/85° | 75°          | 65°   | 55° | 45° |       |      |
| m           | t      | t       | t       | t            | t     | t   | t   | t     |      |
| 16          | 274,0* | 346,0*  | -       | -            | -     | -   | -   | -     |      |
| 18          | 248,0* | 343,0*  | -       | -            | -     | -   | -   | -     |      |
| 20          | 226,0* | 355,0   | -       | -            | -     | -   | -   | 336,0 |      |
| 22          | 207,0* | 353,0   | -       | -            | -     | -   | -   | 336,0 |      |
| 24          | 191,5* | 347,0   | -       | -            | -     | -   | -   | 336,0 |      |
| 26          | 177,5* | 339,0   | -       | -            | -     | -   | -   | 336,0 |      |
| 28          | 165,5* | 331,0   | -       | -            | -     | -   | -   | 336,0 |      |
| 30          | 155,0* | 323,0   | -       | -            | -     | -   | -   | 331,0 |      |
| 34          | 133,5* | 307,0   | -       | -            | -     | -   | -   | 327,0 |      |
| 38          | 115,0* | 274,0   | -       | -            | -     | -   | -   | 324,0 |      |
| 40          | 107,0* | 254,0   | 317,0   | -            | -     | -   | -   | 308,5 |      |
| 42          | 94,7   | 237,0   | 301,0   | -            | -     | -   | -   | 293,0 |      |
| 44          | 88,5   | 222,0   | 286,0   | -            | -     | -   | -   | 277,0 |      |
| 46          | -      | -       | 271,0   | -            | -     | -   | -   | 261,0 |      |
| 50          | -      | -       | 247,0   | -            | -     | -   | -   | 234,0 |      |
| 54          | -      | -       | 226,0   | -            | -     | -   | -   | 211,0 |      |
| 58          | -      | -       | -       | 195,5        | -     | -   | -   | 191,0 |      |
| 62          | -      | -       | -       | 180,5        | -     | -   | -   | 174,0 |      |
| 66          | -      | -       | -       | 168,0        | -     | -   | -   | 159,0 |      |
| 70          | -      | -       | -       | -            | -     | -   | -   | 145,0 |      |
| 74          | -      | -       | -       | -            | 136,5 | -   | -   | 133,0 |      |
| 78          | -      | -       | -       | -            | 128,0 | -   | -   | 121,0 |      |
| 82          | -      | -       | -       | -            | -     | -   | -   | 107,0 |      |
| 86          | -      | -       | -       | -            | -     | -   | -   | 94,5  |      |
| 90          | -      | -       | -       | -            | -     | -   | -   | 83,0  |      |
| 94          | -      | -       | -       | -            | -     | -   | -   | 75,5  |      |
| 98          | -      | -       | -       | -            | -     | -   | -   | 63,5  |      |

| 72 m + 48 m |        | SWSL    |         |              |     |       |     |       | SFSL |
|-------------|--------|---------|---------|--------------|-----|-------|-----|-------|------|
|             |        | 0 t     |         | 80 t - 450 t |     |       |     |       |      |
|             |        | 87°/85° | 87°/85° | 75°          | 65° | 55°   | 45° |       |      |
| m           | t      | t       | t       | t            | t   | t     | t   | t     |      |
| 19          | 222,0* | 274,0*  | -       | -            | -   | -     | -   | -     |      |
| 20          | 212,0* | 274,0*  | -       | -            | -   | -     | -   | -     |      |
| 22          | 195,0* | 270,0*  | -       | -            | -   | -     | -   | -     |      |
| 24          | 180,0* | 281,0   | -       | -            | -   | -     | -   | 266,0 |      |
| 26          | 167,0* | 279,0   | -       | -            | -   | -     | -   | 266,0 |      |
| 28          | 156,0* | 276,0   | -       | -            | -   | -     | -   | 266,0 |      |
| 30          | 146,0* | 271,0   | -       | -            | -   | -     | -   | 266,0 |      |
| 34          | 129,0* | 262,0   | -       | -            | -   | -     | -   | 266,0 |      |
| 38          | 112,5* | 251,0   | -       | -            | -   | -     | -   | 262,0 |      |
| 42          | 98,3*  | 241,0   | -       | -            | -   | -     | -   | 259,0 |      |
| 44          | 92,0*  | 230,0   | 279,0   | -            | -   | -     | -   | 255,0 |      |
| 46          | 86,3*  | 223,0   | 269,0   | -            | -   | -     | -   | 253,0 |      |
| 50          | 76,4*  | 198,5   | 244,0   | -            | -   | -     | -   | 237,0 |      |
| 54          | 63,4   | 178,0   | 223,0   | -            | -   | -     | -   | 214,0 |      |
| 58          | -      | -       | 205,0   | -            | -   | -     | -   | 194,0 |      |
| 62          | -      | -       | 190,0   | -            | -   | -     | -   | 177,0 |      |
| 66          | -      | -       | 176,5   | 165,0        | -   | -     | -   | 161,0 |      |
| 70          | -      | -       | -       | 153,5        | -   | -     | -   | 147,0 |      |
| 74          | -      | -       | -       | 144,0        | -   | -     | -   | 135,0 |      |
| 78          | -      | -       | -       | 135,0        | -   | -     | -   | 124,0 |      |
| 82          | -      | -       | -       | -            | -   | 117,0 | -   | 115,0 |      |
| 86          | -      | -       | -       | -            | -   | 110,5 | -   | 104,0 |      |
| 90          | -      | -       | -       | -            | -   | 104,0 | -   | 93,0  |      |
| 94          | -      | -       | -       | -            | -   | -     | -   | 82,5  |      |
| 98          | -      | -       | -       | -            | -   | -     | -   | 72,0  |      |
| 102         | -      | -       | -       | -            | -   | -     | -   | 65,5  |      |
| 106         | -      | -       | -       | -            | -   | -     | -   | 57,5  |      |
| 110         | -      | -       | -       | -            | -   | -     | -   | 47,9  |      |

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| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |        |              |       |       |       |      |       |  |
|--|--------|--------------|-------|-------|-------|------|-------|--|
| 72 m + 60 m  |        |              |       |       |       |      |       |  |
| SWSL   |        |              |       |       | SFSL  |      |       |  |
| 0 t  |        | 80 t - 450 t |       |       |       |      |       |  |
| 87°/85°  |        | 87°/85°      | 75°   | 65°   | 55°   | 45°  |       |  |
| m  | t      | t            | t     | t     | t     | t    | t     |  |
| 22   | 183,0* | 217,0*       | -     | -     | -     | -    | -     |  |
| 24   | 169,5* | 216,0*       | -     | -     | -     | -    | -     |  |
| 26   | 157,0* | 221,0        | -     | -     | -     | -    | -     |  |
| 28   | 146,5* | 221,0        | -     | -     | -     | -    | 212,0 |  |
| 30   | 137,0* | 220,0        | -     | -     | -     | -    | 212,0 |  |
| 34   | 121,0* | 217,0        | -     | -     | -     | -    | 212,0 |  |
| 38   | 108,0* | 212,0        | -     | -     | -     | -    | 212,0 |  |
| 42   | 97,0*  | 205,0        | -     | -     | -     | -    | 212,0 |  |
| 46   | 87,2*  | 199,0        | -     | -     | -     | -    | 209,0 |  |
| 50   | 77,0*  | 192,5        | 220,0 | -     | -     | -    | 207,0 |  |
| 54   | 68,4*  | 181,5        | 217,0 | -     | -     | -    | 199,0 |  |
| 58   | 61,0*  | 170,5        | 207,0 | -     | -     | -    | 193,0 |  |
| 62   | 54,6*  | 153,5        | 191,0 | -     | -     | -    | 181,0 |  |
| 66   | 45,1   | 131,0        | 177,5 | -     | -     | -    | 165,0 |  |
| 70   | -      | -            | 165,0 | 153,0 | -     | -    | 151,0 |  |
| 74   | -      | -            | 154,5 | 143,0 | -     | -    | 139,0 |  |
| 78   | -      | -            | 143,0 | 134,5 | -     | -    | 128,0 |  |
| 82   | -      | -            | -     | 126,5 | -     | -    | 118,0 |  |
| 86   | -      | -            | -     | 119,0 | -     | -    | 109,0 |  |
| 90   | -      | -            | -     | 112,5 | 102,0 | -    | 100,0 |  |
| 94   | -      | -            | -     | -     | 96,5  | -    | 93,0  |  |
| 98   | -      | -            | -     | -     | 91,0  | -    | 83,0  |  |
| 102  | -      | -            | -     | -     | 86,0  | -    | 73,5  |  |
| 106  | -      | -            | -     | -     | -     | 64,5 | 64,5  |  |
| 110  | -      | -            | -     | -     | -     | 61,3 | 57,5  |  |
| 114  | -      | -            | -     | -     | -     | -    | 52,0  |  |
| 118  | -      | -            | -     | -     | -     | -    | 44,2  |  |
| 122  | -      | -            | -     | -     | -     | -    | 36,0  |  |

| 72 m + 84 m |        |              |       |       |      |      |       |  |
|-------------|--------|--------------|-------|-------|------|------|-------|--|
| SWSL        |        |              |       |       | SFSL |      |       |  |
| 0 t         |        | 80 t - 450 t |       |       |      |      |       |  |
| 87°/85°     |        | 87°/85°      | 75°   | 65°   | 55°  | 45°  |       |  |
| m           | t      | t            | t     | t     | t    | t    | t     |  |
| 28          | 126,0* | 132,0*       | -     | -     | -    | -    | -     |  |
| 30          | 120,5* | 131,5*       | -     | -     | -    | -    | -     |  |
| 34          | 106,0* | 133,0        | -     | -     | -    | -    | -     |  |
| 38          | 94,3*  | 131,5        | -     | -     | -    | -    | 129,0 |  |
| 42          | 84,2*  | 130,0        | -     | -     | -    | -    | 129,0 |  |
| 46          | 75,7*  | 128,5        | -     | -     | -    | -    | 129,0 |  |
| 50          | 68,3*  | 126,5        | -     | -     | -    | -    | 129,0 |  |
| 54          | 61,7*  | 124,0        | -     | -     | -    | -    | 129,0 |  |
| 58          | 54,6*  | 122,0        | -     | -     | -    | -    | 129,0 |  |
| 62          | 48,5*  | 120,0        | 125,5 | -     | -    | -    | 129,0 |  |
| 66          | 43,1*  | 117,5        | 125,5 | -     | -    | -    | 124,0 |  |
| 70          | 38,4*  | 115,5        | 125,0 | -     | -    | -    | 121,0 |  |
| 74          | 34,2*  | 113,5        | 124,5 | -     | -    | -    | 119,0 |  |
| 78          | 30,4*  | 107,5        | 124,0 | -     | -    | -    | 117,0 |  |
| 82          | 27,0*  | 97,7         | 123,5 | -     | -    | -    | 114,0 |  |
| 86          | 23,9*  | 86,6         | 118,5 | 111,5 | -    | -    | 110,0 |  |
| 90          | 18,0   | 74,7         | 109,0 | 105,5 | -    | -    | 102,0 |  |
| 94          | -      | -            | 100,5 | 99,7  | -    | -    | 94,5  |  |
| 98          | -      | -            | 93,2  | 94,4  | -    | -    | 87,5  |  |
| 102         | -      | -            | 83,0  | 89,5  | -    | -    | 81,0  |  |
| 106         | -      | -            | -     | 85,0  | 72,6 | -    | 75,0  |  |
| 110         | -      | -            | -     | 80,8  | 68,5 | -    | 68,0  |  |
| 114         | -      | -            | -     | 76,9  | 64,7 | -    | 60,5  |  |
| 118         | -      | -            | -     | -     | 61,1 | -    | 53,5  |  |
| 122         | -      | -            | -     | -     | 57,8 | -    | 47,3  |  |
| 126         | -      | -            | -     | -     | -    | 42,1 | 41,2  |  |
| 130         | -      | -            | -     | -     | -    | 40,0 | 37,3  |  |
| 134         | -      | -            | -     | -     | -    | 38,0 | 32,3  |  |
| 138         | -      | -            | -     | -     | -    | -    | 26,4  |  |
| 142         | -      | -            | -     | -     | -    | -    | 20,5  |  |
| 146         | -      | -            | -     | -     | -    | -    | 15,7  |  |

| 72 m + 72 m |        |        |       |       |      |      |       |  |
|-------------|--------|--------|-------|-------|------|------|-------|--|
| m           | t      | t      | t     | t     | t    | t    | t     |  |
| 26          | 147,0* | 170,5* | -     | -     | -    | -    | -     |  |
| 28          | 137,0* | 169,5* | -     | -     | -    | -    | -     |  |
| 30          | 128,0* | 172,5  | -     | -     | -    | -    | -     |  |
| 34          | 112,5* | 171,5  | -     | -     | -    | -    | 167,0 |  |
| 38          | 100,0* | 169,5  | -     | -     | -    | -    | 167,0 |  |
| 42          | 89,8*  | 166,5  | -     | -     | -    | -    | 167,0 |  |
| 46          | 80,9*  | 163,0  | -     | -     | -    | -    | 167,0 |  |
| 50          | 72,0*  | 159,5  | -     | -     | -    | -    | 167,0 |  |
| 54          | 63,7*  | 156,0  | 167,0 | -     | -    | -    | 166,0 |  |
| 58          | 56,7*  | 152,5  | 166,0 | -     | -    | -    | 162,0 |  |
| 62          | 50,5*  | 147,5  | 165,5 | -     | -    | -    | 157,0 |  |
| 66          | 45,1*  | 139,5  | 164,5 | -     | -    | -    | 153,0 |  |
| 70          | 40,4*  | 126,5  | 159,5 | -     | -    | -    | 149,0 |  |
| 74          | 36,1*  | 111,5  | 149,0 | -     | -    | -    | 140,0 |  |
| 78          | 28,9   | 95,9   | 140,0 | 129,0 | -    | -    | 129,0 |  |
| 82          | -      | -      | 130,0 | 121,0 | -    | -    | 118,0 |  |
| 86          | -      | -      | 119,0 | 114,0 | -    | -    | 109,0 |  |
| 90          | -      | -      | 105,5 | 107,5 | -    | -    | 101,0 |  |
| 94          | -      | -      | -     | 102,0 | -    | -    | 93,5  |  |
| 98          | -      | -      | -     | 96,7  | 85,4 | -    | 86,5  |  |
| 102         | -      | -      | -     | 91,7  | 80,5 | -    | 78,5  |  |
| 106         | -      | -      | -     | -     | 76,0 | -    | 70,0  |  |
| 110         | -      | -      | -     | -     | 71,8 | -    | 62,5  |  |
| 114         | -      | -      | -     | -     | 67,9 | 53,4 | 54,5  |  |
| 118         | -      | -      | -     | -     | -    | 50,7 | 48,5  |  |
| 122         | -      | -      | -     | -     | -    | 48,2 | 44,2  |  |
| 126         | -      | -      | -     | -     | -    | -    | 37,5  |  |
| 130         | -      | -      | -     | -     | -    | -    | 30,6  |  |
| 134         | -      | -      | -     | -     | -    | -    | 24,6  |  |

0 t 80 t 160 t 240 t 320 t 400 t 450 t

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° · Ángulo de pluma principal 87° · Ángulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet

Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche

Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1

Ángulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1

Ángulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°, as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1

Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |       |        |              |      |      |      |   |      | 72 m + 96 m |       |       |              |      |      |      |   |     | 72 m + 108 m |       |      |              |      |      |     |   |   |     |   |      |     |  |  |     |  |  |
|--|-------|--------|--------------|------|------|------|---|------|-------------|-------|-------|--------------|------|------|------|---|-----|--------------|-------|------|--------------|------|------|-----|---|---|-----|---|------|-----|--|--|-----|--|--|
| SWSL   |       |        |              |      |      |      |   |      | SFSL        |       |       | SWSL         |      |      |      |   |     |              |       |      | SFSL         |      |      |     |   |   |     |   |      |     |  |  |     |  |  |
| 0 t  |       |        | 80 t - 450 t |      |      |      |   |      | 0 t         |       |       | 80 t - 450 t |      |      |      |   |     | 0 t          |       |      | 80 t - 450 t |      |      |     |   |   |     |   |      |     |  |  |     |  |  |
| 87°/85°  |       |        | 87°/85°      |      |      | 75°  |   |      | 65°         |       |       | 55°          |      |      | 45°  |   |     | 87°/85°      |       |      | 87°/85°      |      |      | 75° |   |   | 65° |   |      | 55° |  |  | 45° |  |  |
| m  | t     | t      | t            | t    | t    | t    | t | t    | m           | t     | t     | t            | t    | t    | t    | t | m   | t            | t     | t    | t            | t    | t    | t   | t | t | t   | t | t    | t   |  |  |     |  |  |
| 30   | 97,9* | 101,5* | -            | -    | -    | -    | - | -    | 34          | 72,9* | 76,3* | -            | -    | -    | -    | - | 34  | 72,9*        | 76,3* | -    | -            | -    | -    | -   | - | - | -   | - | -    | -   |  |  |     |  |  |
| 34   | 96,1* | 100,5* | -            | -    | -    | -    | - | -    | 38          | 72,6* | 75,2* | -            | -    | -    | -    | - | 38  | 72,6*        | 75,2* | -    | -            | -    | -    | -   | - | - | -   | - | -    | -   |  |  |     |  |  |
| 36   | 92,2* | 101,0  | -            | -    | -    | -    | - | -    | 40          | 71,7* | 75,4  | -            | -    | -    | -    | - | 40  | 71,7*        | 75,4  | -    | -            | -    | -    | -   | - | - | -   | - | -    | -   |  |  |     |  |  |
| 38   | 88,2* | 101,0  | -            | -    | -    | -    | - | -    | 42          | 70,8* | 75,2  | -            | -    | -    | -    | - | 42  | 70,8*        | 75,2  | -    | -            | -    | -    | -   | - | - | -   | - | -    | -   |  |  |     |  |  |
| 42   | 78,6* | 100,0  | -            | -    | -    | -    | - | 98,5 | 46          | 65,3* | 74,3  | -            | -    | -    | -    | - | 46  | 65,3*        | 74,3  | -    | -            | -    | -    | -   | - | - | -   | - | 73,5 |     |  |  |     |  |  |
| 46   | 70,4* | 98,9   | -            | -    | -    | -    | - | 98,5 | 50          | 58,4* | 73,4  | -            | -    | -    | -    | - | 50  | 58,4*        | 73,4  | -    | -            | -    | -    | -   | - | - | -   | - | 73,0 |     |  |  |     |  |  |
| 50   | 63,3* | 97,6   | -            | -    | -    | -    | - | 98,5 | 54          | 52,4* | 72,4  | -            | -    | -    | -    | - | 54  | 52,4*        | 72,4  | -    | -            | -    | -    | -   | - | - | -   | - | 72,5 |     |  |  |     |  |  |
| 54   | 57,1* | 96,0   | -            | -    | -    | -    | - | 98,5 | 58          | 47,2* | 71,3  | -            | -    | -    | -    | - | 58  | 47,2*        | 71,3  | -    | -            | -    | -    | -   | - | - | -   | - | 72,5 |     |  |  |     |  |  |
| 58   | 51,7* | 94,2   | -            | -    | -    | -    | - | 97,5 | 62          | 42,5* | 70,2  | -            | -    | -    | -    | - | 62  | 42,5*        | 70,2  | -    | -            | -    | -    | -   | - | - | -   | - | 71,5 |     |  |  |     |  |  |
| 62   | 46,2* | 92,4   | -            | -    | -    | -    | - | 97,0 | 66          | 38,3* | 68,9  | -            | -    | -    | -    | - | 66  | 38,3*        | 68,9  | -    | -            | -    | -    | -   | - | - | -   | - | 70,5 |     |  |  |     |  |  |
| 66   | 40,8* | 90,7   | 93,2         | -    | -    | -    | - | 96,0 | 70          | 34,0* | 67,7  | 67,0         | -    | -    | -    | - | 70  | 34,0*        | 67,7  | 67,0 | -            | -    | -    | -   | - | - | -   | - | 70,0 |     |  |  |     |  |  |
| 70   | 36,1* | 88,9   | 93,2         | -    | -    | -    | - | 94,5 | 74          | 29,8* | 66,5  | 67,0         | -    | -    | -    | - | 74  | 29,8*        | 66,5  | 67,0 | -            | -    | -    | -   | - | - | -   | - | 69,0 |     |  |  |     |  |  |
| 74   | 31,9* | 87,0   | 93,2         | -    | -    | -    | - | 92,5 | 78          | 26,0* | 65,2  | 67,0         | -    | -    | -    | - | 78  | 26,0*        | 65,2  | 67,0 | -            | -    | -    | -   | - | - | -   | - | 67,5 |     |  |  |     |  |  |
| 78   | 28,1* | 85,1   | 93,1         | -    | -    | -    | - | 91,0 | 82          | 22,6* | 63,8  | 67,0         | -    | -    | -    | - | 82  | 22,6*        | 63,8  | 67,0 | -            | -    | -    | -   | - | - | -   | - | 66,5 |     |  |  |     |  |  |
| 82   | 24,7* | 83,1   | 92,5         | -    | -    | -    | - | 89,5 | 86          | 19,5* | 61,9  | 66,9         | -    | -    | -    | - | 86  | 19,5*        | 61,9  | 66,9 | -            | -    | -    | -   | - | - | -   | - | 65,0 |     |  |  |     |  |  |
| 86   | 21,6* | 81,2   | 91,9         | -    | -    | -    | - | 88,0 | 90          | 16,7* | 59,8  | 66,6         | -    | -    | -    | - | 90  | 16,7*        | 59,8  | 66,6 | -            | -    | -    | -   | - | - | -   | - | 64,0 |     |  |  |     |  |  |
| 90   | 18,8* | 79,2   | 90,9         | 80,9 | -    | -    | - | 87,0 | 94          | 14,1* | 57,7  | 66,3         | -    | -    | -    | - | 94  | 14,1*        | 57,7  | 66,3 | -            | -    | -    | -   | - | - | -   | - | 63,0 |     |  |  |     |  |  |
| 94   | 16,3* | 75,9   | 90,2         | 80,9 | -    | -    | - | 85,0 | 98          | 11,8* | 55,7  | 66,0         | 56,9 | -    | -    | - | 98  | 11,8*        | 55,7  | 66,0 | 56,9         | -    | -    | -   | - | - | -   | - | 62,0 |     |  |  |     |  |  |
| 98   | 13,9* | 67,4   | 89,4         | 80,7 | -    | -    | - | 83,5 | 102         | 9,6*  | 53,6  | 65,3         | 56,9 | -    | -    | - | 102 | 9,6*         | 53,6  | 65,3 | 56,9         | -    | -    | -   | - | - | -   | - | 60,5 |     |  |  |     |  |  |
| 102  | 8,9   | 58,1   | 85,3         | 80,7 | -    | -    | - | 81,5 | 106         | 7,6*  | 51,5  | 64,5         | 56,9 | -    | -    | - | 106 | 7,6*         | 51,5  | 64,5 | 56,9         | -    | -    | -   | - | - | -   | - | 59,5 |     |  |  |     |  |  |
| 106  | -     | -      | 79,1         | 80,7 | -    | -    | - | 75,5 | 110         | 5,7*  | 49,4  | 63,3         | 56,8 | -    | -    | - | 110 | 5,7*         | 49,4  | 63,3 | 56,8         | -    | -    | -   | - | - | -   | - | 58,0 |     |  |  |     |  |  |
| 110  | -     | -      | 73,4         | 78,3 | -    | -    | - | 69,5 | 114         | -     | -     | 62,0         | 56,8 | -    | -    | - | 114 | -            | -     | 62,0 | 56,8         | -    | -    | -   | - | - | -   | - | 57,0 |     |  |  |     |  |  |
| 114  | -     | -      | 65,2         | 74,5 | 61,3 | -    | - | 64,5 | 118         | -     | -     | 60,9         | 56,8 | -    | -    | - | 118 | -            | -     | 60,9 | 56,8         | -    | -    | -   | - | - | -   | - | 55,0 |     |  |  |     |  |  |
| 118  | -     | -      | -            | 70,8 | 57,8 | -    | - | 58,0 | 122         | -     | -     | 57,9         | 56,7 | 49,0 | -    | - | 122 | -            | -     | 57,9 | 56,7         | 49,0 | -    | -   | - | - | -   | - | 52,5 |     |  |  |     |  |  |
| 122  | -     | -      | -            | 67,5 | 54,5 | -    | - | 51,5 | 126         | -     | -     | 51,1         | 56,7 | 48,3 | -    | - | 126 | -            | -     | 51,1 | 56,7         | 48,3 | -    | -   | - | - | -   | - | 49,5 |     |  |  |     |  |  |
| 126  | -     | -      | -            | 64,4 | 51,4 | -    | - | 45,9 | 130         | -     | -     | -            | 56,7 | 45,4 | -    | - | 130 | -            | -     | -    | 56,7         | 45,4 | -    | -   | - | - | -   | - | 43,9 |     |  |  |     |  |  |
| 130  | -     | -      | -            | -    | 48,5 | -    | - | 40,1 | 134         | -     | -     | -            | 55,6 | 42,7 | -    | - | 134 | -            | -     | -    | 55,6         | 42,7 | -    | -   | - | - | -   | - | 38,5 |     |  |  |     |  |  |
| 134  | -     | -      | -            | -    | 45,8 | 34,3 | - | 34,5 | 138         | -     | -     | -            | 53,1 | 40,2 | -    | - | 138 | -            | -     | -    | 53,1         | 40,2 | -    | -   | - | - | -   | - | 33,4 |     |  |  |     |  |  |
| 138  | -     | -      | -            | -    | -    | 32,4 | - | 30,9 | 142         | -     | -     | -            | -    | 37,8 | -    | - | 142 | -            | -     | -    | -            | 37,8 | -    | -   | - | - | -   | - | 28,5 |     |  |  |     |  |  |
| 142  | -     | -      | -            | -    | -    | 30,5 | - | 27,0 | 146         | -     | -     | -            | -    | 35,5 | 25,2 | - | 146 | -            | -     | -    | -            | 35,5 | 25,2 | -   | - | - | -   | - | 26,0 |     |  |  |     |  |  |
| 146  | -     | -      | -            | -    | -    | 28,6 | - | 21,8 | 150         | -     | -     | -            | -    | 23,3 | 21,8 | - | 150 | -            | -     | -    | -            | 23,3 | 21,8 | -   | - | - | -   | - | 21,8 |     |  |  |     |  |  |
| 150  | -     | -      | -            | -    | -    | -    | - | 16,7 | 154         | -     | -     | -            | -    | 21,6 | 17,2 | - | 154 | -            | -     | -    | -            | 21,6 | 17,2 | -   | - | - | -   | - | 17,2 |     |  |  |     |  |  |
| 154  | -     | -      | -            | -    | -    | -    | - | 11,4 | 158         | -     | -     | -            | -    | 19,9 | 12,7 | - | 158 | -            | -     | -    | -            | 19,9 | 12,7 | -   | - | - | -   | - | 12,7 |     |  |  |     |  |  |
| 158  | -     | -      | -            | -    | -    | -    | - | 7,6  | 162         | -     | -     | -            | -    | -    | 8,1  | - | 162 | -            | -     | -    | -            | -    | -    | -   | - | - | -   | - | 8,1  |     |  |  |     |  |  |

0 t 80 t 160 t 240 t 320 t 400 t 450 t

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° · Ángulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 · Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche · Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1 · Ângulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°, as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1



170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO

78 m + 36 m

| m   | SWSL    |         |       |       |       |     |       | SFSL         |
|-----|---------|---------|-------|-------|-------|-----|-------|--------------|
|     | 0 t     |         |       |       |       |     |       | 80 t - 450 t |
|     | 87°/85° | 87°/85° | 75°   | 65°   | 55°   | 45° | t     |              |
| 17  | 251,0*  | 313,0*  | -     | -     | -     | -   | -     |              |
| 18  | 239,0*  | 313,0*  | -     | -     | -     | -   | -     |              |
| 20  | 218,0*  | 308,0*  | -     | -     | -     | -   | -     |              |
| 22  | 200,0*  | 321,0   | -     | -     | -     | -   | 307,0 |              |
| 24  | 185,0*  | 317,0   | -     | -     | -     | -   | 307,0 |              |
| 26  | 172,0*  | 312,0   | -     | -     | -     | -   | 307,0 |              |
| 28  | 160,5*  | 305,0   | -     | -     | -     | -   | 307,0 |              |
| 30  | 150,0*  | 298,0   | -     | -     | -     | -   | 307,0 |              |
| 34  | 132,0*  | 284,0   | -     | -     | -     | -   | 303,0 |              |
| 38  | 113,5*  | 271,0   | -     | -     | -     | -   | 299,0 |              |
| 40  | 106,0*  | 259,0   | 312,0 | -     | -     | -   | 293,0 |              |
| 42  | 92,8    | 241,0   | 296,0 | -     | -     | -   | 290,0 |              |
| 44  | 86,7    | 225,0   | 282,0 | -     | -     | -   | 274,0 |              |
| 46  | -       | -       | 268,0 | -     | -     | -   | 258,0 |              |
| 50  | -       | -       | 243,0 | -     | -     | -   | 231,0 |              |
| 54  | -       | -       | 222,0 | -     | -     | -   | 208,0 |              |
| 58  | -       | -       | 205,0 | 190,5 | -     | -   | 188,0 |              |
| 62  | -       | -       | -     | 176,5 | -     | -   | 171,0 |              |
| 66  | -       | -       | -     | 164,0 | -     | -   | 156,0 |              |
| 70  | -       | -       | -     | 153,0 | -     | -   | 142,0 |              |
| 74  | -       | -       | -     | -     | -     | -   | 130,0 |              |
| 78  | -       | -       | -     | -     | 123,5 | -   | 119,0 |              |
| 82  | -       | -       | -     | -     | 116,0 | -   | 109,0 |              |
| 86  | -       | -       | -     | -     | -     | -   | 97,0  |              |
| 90  | -       | -       | -     | -     | -     | -   | 85,0  |              |
| 94  | -       | -       | -     | -     | -     | -   | 74,0  |              |
| 98  | -       | -       | -     | -     | -     | -   | 66,5  |              |
| 102 | -       | -       | -     | -     | -     | -   | 57,5  |              |

78 m + 60 m

| m   | SWSL    |         |       |       |      |      |       | SFSL         |
|-----|---------|---------|-------|-------|------|------|-------|--------------|
|     | 0 t     |         |       |       |      |      |       | 80 t - 450 t |
|     | 87°/85° | 87°/85° | 75°   | 65°   | 55°  | 45°  | t     |              |
| 22  | 176,5*  | 201,0*  | -     | -     | -    | -    | -     |              |
| 24  | 163,5*  | 200,0*  | -     | -     | -    | -    | -     |              |
| 26  | 152,0*  | 198,5*  | -     | -     | -    | -    | -     |              |
| 28  | 141,5*  | 205,0   | -     | -     | -    | -    | -     |              |
| 30  | 132,5*  | 204,0   | -     | -     | -    | -    | 196,0 |              |
| 34  | 117,0*  | 200,0   | -     | -     | -    | -    | 196,0 |              |
| 38  | 104,5*  | 196,0   | -     | -     | -    | -    | 196,0 |              |
| 42  | 94,0*   | 190,5   | -     | -     | -    | -    | 196,0 |              |
| 46  | 85,0*   | 184,5   | -     | -     | -    | -    | 195,0 |              |
| 50  | 76,1*   | 179,0   | 203,0 | -     | -    | -    | 194,0 |              |
| 54  | 67,5*   | 173,5   | 201,0 | -     | -    | -    | 188,0 |              |
| 58  | 60,2*   | 165,5   | 200,0 | -     | -    | -    | 181,0 |              |
| 62  | 53,9*   | 156,5   | 188,5 | -     | -    | -    | 175,0 |              |
| 66  | 43,9    | 134,5   | 174,5 | -     | -    | -    | 162,0 |              |
| 70  | -       | -       | 163,0 | -     | -    | -    | 149,0 |              |
| 74  | -       | -       | 152,0 | 138,5 | -    | -    | 136,0 |              |
| 78  | -       | -       | 142,5 | 130,0 | -    | -    | 125,0 |              |
| 82  | -       | -       | -     | 122,5 | -    | -    | 115,0 |              |
| 86  | -       | -       | -     | 116,0 | -    | -    | 106,0 |              |
| 90  | -       | -       | -     | 109,5 | -    | -    | 98,0  |              |
| 94  | -       | -       | -     | 103,5 | 92,5 | -    | 90,0  |              |
| 98  | -       | -       | -     | -     | 87,8 | -    | 83,0  |              |
| 102 | -       | -       | -     | -     | 82,9 | -    | 74,5  |              |
| 106 | -       | -       | -     | -     | 78,4 | -    | 66,0  |              |
| 110 | -       | -       | -     | -     | -    | 57,5 | 58,0  |              |
| 114 | -       | -       | -     | -     | -    | 54,3 | 50,0  |              |
| 118 | -       | -       | -     | -     | -    | -    | 45,4  |              |
| 122 | -       | -       | -     | -     | -    | -    | 39,0  |              |
| 126 | -       | -       | -     | -     | -    | -    | 31,5  |              |

78 m + 48 m

| m   | t      | t      | t     | t     | t     | t | t     |
|-----|--------|--------|-------|-------|-------|---|-------|
| 19  | 214,0* | 252,0* | -     | -     | -     | - | -     |
| 20  | 204,0* | 252,0* | -     | -     | -     | - | -     |
| 22  | 188,0* | 249,0* | -     | -     | -     | - | -     |
| 24  | 174,0* | 257,0  | -     | -     | -     | - | -     |
| 26  | 161,5* | 256,0  | -     | -     | -     | - | 245,0 |
| 28  | 151,0* | 253,0  | -     | -     | -     | - | 245,0 |
| 30  | 141,0* | 250,0  | -     | -     | -     | - | 245,0 |
| 34  | 125,0* | 242,0  | -     | -     | -     | - | 245,0 |
| 38  | 111,5* | 233,0  | -     | -     | -     | - | 245,0 |
| 42  | 97,1*  | 224,0  | -     | -     | -     | - | 242,0 |
| 46  | 85,2*  | 215,0  | 255,0 | -     | -     | - | 238,0 |
| 50  | 75,4*  | 201,0  | 241,0 | -     | -     | - | 228,0 |
| 54  | 61,8   | 180,0  | 220,0 | -     | -     | - | 211,0 |
| 58  | -      | -      | 202,0 | -     | -     | - | 191,0 |
| 62  | -      | -      | 187,5 | -     | -     | - | 174,0 |
| 66  | -      | -      | 174,0 | 160,5 | -     | - | 158,0 |
| 70  | -      | -      | -     | 149,5 | -     | - | 145,0 |
| 74  | -      | -      | -     | 140,0 | -     | - | 132,0 |
| 78  | -      | -      | -     | 131,5 | -     | - | 121,0 |
| 82  | -      | -      | -     | 123,5 | -     | - | 111,0 |
| 86  | -      | -      | -     | -     | 105,5 | - | 102,0 |
| 90  | -      | -      | -     | -     | 100,0 | - | 94,5  |
| 94  | -      | -      | -     | -     | 94,9  | - | 84,0  |
| 98  | -      | -      | -     | -     | -     | - | 74,0  |
| 102 | -      | -      | -     | -     | -     | - | 64,5  |
| 106 | -      | -      | -     | -     | -     | - | 57,0  |
| 110 | -      | -      | -     | -     | -     | - | 51,0  |
| 114 | -      | -      | -     | -     | -     | - | 42,7  |

78 m + 72 m

| m   | t      | t      | t     | t     | t    | t    | t     |
|-----|--------|--------|-------|-------|------|------|-------|
| 26  | 142,0* | 159,5* | -     | -     | -    | -    | -     |
| 28  | 132,0* | 158,5* | -     | -     | -    | -    | -     |
| 30  | 123,5* | 161,5  | -     | -     | -    | -    | -     |
| 34  | 109,0* | 161,0  | -     | -     | -    | -    | 156,0 |
| 38  | 96,9*  | 159,0  | -     | -     | -    | -    | 156,0 |
| 42  | 86,8*  | 156,5  | -     | -     | -    | -    | 156,0 |
| 46  | 78,2*  | 153,5  | -     | -     | -    | -    | 156,0 |
| 50  | 70,8*  | 150,0  | -     | -     | -    | -    | 156,0 |
| 54  | 62,9*  | 146,5  | -     | -     | -    | -    | 156,0 |
| 58  | 55,9*  | 143,5  | 156,5 | -     | -    | -    | 154,0 |
| 62  | 49,8*  | 139,5  | 156,0 | -     | -    | -    | 148,0 |
| 66  | 44,4*  | 136,0  | 154,5 | -     | -    | -    | 144,0 |
| 70  | 39,7*  | 128,5  | 153,5 | -     | -    | -    | 140,0 |
| 74  | 35,5*  | 114,0  | 147,0 | -     | -    | -    | 137,0 |
| 78  | 27,9   | 98,6   | 137,5 | -     | -    | -    | 126,0 |
| 82  | -      | -      | 129,5 | 118,0 | -    | -    | 116,0 |
| 86  | -      | -      | 122,0 | 111,0 | -    | -    | 107,0 |
| 90  | -      | -      | 112,0 | 104,5 | -    | -    | 98,5  |
| 94  | -      | -      | -     | 99,1  | -    | -    | 91,0  |
| 98  | -      | -      | -     | 93,9  | -    | -    | 83,5  |
| 102 | -      | -      | -     | 89,0  | 77,3 | -    | 77,0  |
| 106 | -      | -      | -     | -     | 72,9 | -    | 70,5  |
| 110 | -      | -      | -     | -     | 68,9 | -    | 63,0  |
| 114 | -      | -      | -     | -     | 65,1 | -    | 55,5  |
| 118 | -      | -      | -     | -     | -    | -    | 48,6  |
| 122 | -      | -      | -     | -     | -    | 43,5 | 41,8  |
| 126 | -      | -      | -     | -     | -    | 41,3 | 37,4  |
| 130 | -      | -      | -     | -     | -    | -    | 32,4  |
| 134 | -      | -      | -     | -     | -    | -    | 26,1  |
| 138 | -      | -      | -     | -     | -    | -    | 19,7  |

0 t 80 t 160 t 240 t 320 t 400 t 450 t

See page 84 · Siehe Seite 84 · Voir page 84 · Vedere a pagina 84 · Véase página 84 · Ver página 84 · см. на стр. 84

| 170-250 t + 0-80 t |        | 15-24 m      |       | 9,60 m |      | 9.8 m/s     |      | 360° |       | ISO          |      |         |      |         |   |     |   |     |   |     |   |     |   |      |
|--------------------|--------|--------------|-------|--------|------|-------------|------|------|-------|--------------|------|---------|------|---------|---|-----|---|-----|---|-----|---|-----|---|------|
| 78 m + 84 m        |        |              |       |        |      | 78 m + 96 m |      |      |       |              |      |         |      |         |   |     |   |     |   |     |   |     |   |      |
| SWSL               |        |              |       |        |      | SWSL        |      |      |       |              |      |         |      |         |   |     |   |     |   |     |   |     |   |      |
| SFSL               |        |              |       |        |      | SFSL        |      |      |       |              |      |         |      |         |   |     |   |     |   |     |   |     |   |      |
| 0 t                |        | 80 t - 450 t |       |        |      |             |      | 0 t  |       | 80 t - 450 t |      |         |      |         |   |     |   |     |   |     |   |     |   |      |
| 87°/85°            |        | 87°/85°      |       | 75°    |      | 65°         |      | 55°  |       | 45°          |      | 87°/85° |      | 87°/85° |   | 75° |   | 65° |   | 55° |   | 45° |   |      |
| m                  | t      | t            | t     | t      | t    | t           | t    | m    | t     | t            | t    | t       | t    | t       | t | t   | t | t   | t | t   | t | t   | t |      |
| 28                 | 119,5* | 124,5*       | -     | -      | -    | -           | -    | 30   | 92,6* | 95,9*        | -    | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | -    |
| 30                 | 116,5* | 124,0*       | -     | -      | -    | -           | -    | 34   | 91,5* | 95,2*        | -    | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | -    |
| 34                 | 102,5* | 125,0        | -     | -      | -    | -           | -    | 36   | 89,8* | 95,9         | -    | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | -    |
| 38                 | 91,0*  | 124,0        | -     | -      | -    | -           | -    | 38   | 85,0* | 95,9         | -    | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | -    |
| 42                 | 81,3*  | 123,0        | -     | -      | -    | -           | -    | 42   | 75,7* | 94,9         | -    | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 93,0 |
| 46                 | 73,0*  | 121,5        | -     | -      | -    | -           | -    | 46   | 67,7* | 93,8         | -    | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 93,0 |
| 50                 | 65,9*  | 119,5        | -     | -      | -    | -           | -    | 50   | 60,9* | 92,5         | -    | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 93,0 |
| 54                 | 59,7*  | 117,5        | -     | -      | -    | -           | -    | 54   | 54,9* | 91,1         | -    | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 93,0 |
| 58                 | 53,9*  | 115,5        | -     | -      | -    | -           | -    | 58   | 49,6* | 89,4         | -    | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 92,5 |
| 62                 | 47,8*  | 113,5        | 119,5 | -      | -    | -           | -    | 62   | 44,9* | 87,8         | -    | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 92,0 |
| 66                 | 42,4*  | 111,5        | 119,0 | -      | -    | -           | -    | 66   | 40,2* | 86,1         | 88,7 | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 91,5 |
| 70                 | 37,7*  | 109,5        | 119,0 | -      | -    | -           | -    | 70   | 35,5* | 84,4         | 88,7 | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 90,5 |
| 74                 | 33,5*  | 107,0        | 118,0 | -      | -    | -           | -    | 74   | 31,3* | 82,8         | 88,7 | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 88,5 |
| 78                 | 29,8*  | 105,0        | 118,0 | -      | -    | -           | -    | 78   | 27,5* | 81,2         | 88,7 | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 87,0 |
| 82                 | 26,4*  | 99,4         | 117,0 | -      | -    | -           | -    | 82   | 24,1* | 79,6         | 88,2 | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 85,5 |
| 86                 | 23,4*  | 88,4         | 117,0 | 105,5  | -    | -           | -    | 86   | 21,1* | 78,0         | 87,7 | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 84,5 |
| 90                 | 17,2   | 76,7         | 113,0 | 102,0  | -    | -           | -    | 90   | 18,3* | 76,4         | 86,8 | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 83,0 |
| 94                 | -      | -            | 104,0 | 96,6   | -    | -           | -    | 94   | 15,8* | 74,8         | 86,4 | 77,0    | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 81,5 |
| 98                 | -      | -            | 96,4  | 91,4   | -    | -           | -    | 98   | 13,4* | 68,8         | 85,8 | 76,7    | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 80,5 |
| 102                | -      | -            | 87,8  | 86,7   | -    | -           | -    | 102  | 8,2   | 59,7         | 84,3 | 76,7    | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 79,0 |
| 106                | -      | -            | -     | 82,3   | -    | -           | -    | 106  | -     | -            | 81,8 | 76,7    | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 73,0 |
| 110                | -      | -            | -     | 78,2   | 65,5 | -           | -    | 110  | -     | -            | 75,8 | 75,1    | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 67,5 |
| 114                | -      | -            | -     | 74,4   | 61,8 | -           | -    | 114  | -     | -            | 69,0 | 71,3    | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 62,0 |
| 118                | -      | -            | -     | -      | 58,3 | -           | -    | 118  | -     | -            | -    | 67,8    | 54,9 | -       | - | -   | - | -   | - | -   | - | -   | - | 57,0 |
| 122                | -      | -            | -     | -      | 55,1 | -           | -    | 122  | -     | -            | -    | 64,5    | 51,7 | -       | - | -   | - | -   | - | -   | - | -   | - | 51,5 |
| 126                | -      | -            | -     | -      | 52,1 | -           | -    | 126  | -     | -            | -    | 61,5    | 48,7 | -       | - | -   | - | -   | - | -   | - | -   | - | 45,7 |
| 130                | -      | -            | -     | -      | -    | 35,5        | -    | 130  | -     | -            | -    | -       | 45,9 | -       | - | -   | - | -   | - | -   | - | -   | - | 40,0 |
| 134                | -      | -            | -     | -      | -    | 33,6        | 31,3 | 134  | -     | -            | -    | -       | 43,2 | -       | - | -   | - | -   | - | -   | - | -   | - | 34,6 |
| 138                | -      | -            | -     | -      | -    | 31,8        | 27,4 | 138  | -     | -            | -    | -       | 40,8 | 29,0    | - | -   | - | -   | - | -   | - | -   | - | 29,3 |
| 142                | -      | -            | -     | -      | -    | -           | 21,9 | 142  | -     | -            | -    | -       | -    | 27,5    | - | -   | - | -   | - | -   | - | -   | - | 26,3 |
| 146                | -      | -            | -     | -      | -    | -           | 16,4 | 146  | -     | -            | -    | -       | -    | 25,6    | - | -   | - | -   | - | -   | - | -   | - | 22,2 |
| 150                | -      | -            | -     | -      | -    | -           | 10,8 | 150  | -     | -            | -    | -       | -    | 23,8    | - | -   | - | -   | - | -   | - | -   | - | 17,4 |
| 154                | -      | -            | -     | -      | -    | -           | -    | 154  | -     | -            | -    | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 12,6 |
| 158                | -      | -            | -     | -      | -    | -           | -    | 158  | -     | -            | -    | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | 7,7  |

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinação braccio base 87° · Ángulo de pluma principal 87° · Ángulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 · Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche · Inclinação braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1 · Ángulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°; as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |         |         |      |      |      |      |      |      |
|--|---------|---------|------|------|------|------|------|------|
| 78 m + 108 m                                       |         |         |      |      |      |      |      |      |
| SWSL   |         |         |      |      |      |      |      | SFSL |
| 0 t 80 t - 450 t                                   |         |         |      |      |      |      |      |      |
|  | 87°/85° | 87°/85° | 75°  | 65°  | 55°  | 45°  |      |      |
| m  | t       | t       | t    | t    | t    | t    | t    | t    |
| 34   | 69,1*   | 72,1*   | -    | -    | -    | -    | -    | -    |
| 38   | 68,8*   | 71,4*   | -    | -    | -    | -    | -    | -    |
| 40   | 68,0*   | 71,5    | -    | -    | -    | -    | -    | -    |
| 42   | 67,1*   | 71,4    | -    | -    | -    | -    | -    | -    |
| 46   | 62,7*   | 70,7    | -    | -    | -    | -    | 69,5 | -    |
| 50   | 56,0*   | 69,8    | -    | -    | -    | -    | 69,5 | -    |
| 54   | 50,3*   | 68,9    | -    | -    | -    | -    | 69,0 | -    |
| 58   | 45,1*   | 67,9    | -    | -    | -    | -    | 69,0 | -    |
| 62   | 40,6*   | 66,8    | -    | -    | -    | -    | 68,5 | -    |
| 66   | 36,5*   | 65,6    | -    | -    | -    | -    | 67,5 | -    |
| 70   | 32,9*   | 64,5    | -    | -    | -    | -    | 67,0 | -    |
| 74   | 29,2*   | 63,3    | 63,8 | -    | -    | -    | 66,0 | -    |
| 78   | 25,4*   | 62,1    | 63,8 | -    | -    | -    | 65,0 | -    |
| 82   | 22,0*   | 60,8    | 63,8 | -    | -    | -    | 63,5 | -    |
| 86   | 19,0*   | 59,3    | 63,8 | -    | -    | -    | 62,5 | -    |
| 90   | 16,2*   | 57,6    | 63,7 | -    | -    | -    | 61,5 | -    |
| 94   | 13,6*   | 55,9    | 63,5 | -    | -    | -    | 60,5 | -    |
| 98   | 11,3*   | 54,2    | 63,3 | -    | -    | -    | 59,5 | -    |
| 102  | 9,1*    | 52,5    | 62,8 | 54,2 | -    | -    | 58,5 | -    |
| 106  | 7,1*    | 50,8    | 62,4 | 54,2 | -    | -    | 57,5 | -    |
| 110  | 5,3*    | 49,1    | 61,7 | 54,1 | -    | -    | 56,0 | -    |
| 114  | -       | 46,2    | 60,7 | 54,1 | -    | -    | 55,0 | -    |
| 118  | -       | -       | 59,9 | 54,1 | -    | -    | 54,0 | -    |
| 122  | -       | -       | 59,2 | 54,0 | -    | -    | 51,5 | -    |
| 126  | -       | -       | 54,2 | 54,0 | 45,5 | -    | 48,6 | -    |
| 130  | -       | -       | -    | 54,0 | 42,7 | -    | 43,3 | -    |
| 134  | -       | -       | -    | 52,9 | 40,1 | -    | 38,1 | -    |
| 138  | -       | -       | -    | 50,4 | 37,6 | -    | 33,1 | -    |
| 142  | -       | -       | -    | -    | 35,3 | -    | 28,2 | -    |
| 146  | -       | -       | -    | -    | 33,1 | -    | 24,1 | -    |
| 150  | -       | -       | -    | -    | 31,0 | 20,3 | 21,6 | -    |
| 154  | -       | -       | -    | -    | -    | 18,7 | 17,2 | -    |
| 158  | -       | -       | -    | -    | -    | 17,1 | 12,9 | -    |
| 162  | -       | -       | -    | -    | -    | 15,5 | 8,7  | -    |

| 84 m + 36 m      |         |         |       |       |       |     |   |       |
|------------------|---------|---------|-------|-------|-------|-----|---|-------|
| SWSL             |         |         |       |       |       |     |   | SFSL  |
| 0 t 80 t - 450 t |         |         |       |       |       |     |   |       |
|                  | 87°/85° | 87°/85° | 75°   | 65°   | 55°   | 45° |   |       |
| m                | t       | t       | t     | t     | t     | t   | t | t     |
| 17               | 241,0*  | 285,0*  | -     | -     | -     | -   | - | -     |
| 18               | 229,0*  | 285,0*  | -     | -     | -     | -   | - | -     |
| 20               | 210,0*  | 281,0*  | -     | -     | -     | -   | - | -     |
| 22               | 193,0*  | 292,0   | -     | -     | -     | -   | - | 279,0 |
| 24               | 178,5*  | 288,0   | -     | -     | -     | -   | - | 279,0 |
| 26               | 166,0*  | 284,0   | -     | -     | -     | -   | - | 279,0 |
| 28               | 155,0*  | 278,0   | -     | -     | -     | -   | - | 279,0 |
| 30               | 145,0*  | 273,0   | -     | -     | -     | -   | - | 279,0 |
| 34               | 128,5*  | 261,0   | -     | -     | -     | -   | - | 277,0 |
| 38               | 112,5*  | 251,0   | -     | -     | -     | -   | - | 272,0 |
| 42               | 97,7*   | 240,0   | 287,0 | -     | -     | -   | - | 268,0 |
| 44               | 84,8    | 229,0   | 277,0 | -     | -     | -   | - | 261,5 |
| 46               | -       | -       | 264,0 | -     | -     | -   | - | 255,0 |
| 50               | -       | -       | 239,0 | -     | -     | -   | - | 228,0 |
| 54               | -       | -       | 219,0 | -     | -     | -   | - | 205,0 |
| 58               | -       | -       | 201,0 | -     | -     | -   | - | 185,0 |
| 62               | -       | -       | -     | 171,0 | -     | -   | - | 168,0 |
| 66               | -       | -       | -     | 159,5 | -     | -   | - | 152,0 |
| 70               | -       | -       | -     | 148,5 | -     | -   | - | 139,0 |
| 74               | -       | -       | -     | -     | -     | -   | - | 127,0 |
| 78               | -       | -       | -     | -     | 117,5 | -   | - | 116,0 |
| 82               | -       | -       | -     | -     | 110,5 | -   | - | 106,0 |
| 86               | -       | -       | -     | -     | 105,0 | -   | - | 97,0  |
| 90               | -       | -       | -     | -     | -     | -   | - | 86,0  |
| 94               | -       | -       | -     | -     | -     | -   | - | 75,5  |
| 98               | -       | -       | -     | -     | -     | -   | - | 65,0  |
| 102              | -       | -       | -     | -     | -     | -   | - | 57,5  |
| 106              | -       | -       | -     | -     | -     | -   | - | 50,5  |
| 110              | -       | -       | -     | -     | -     | -   | - | 41,1  |

| 84 m + 48 m |        |        |       |       |   |      |   |       |
|-------------|--------|--------|-------|-------|---|------|---|-------|
| m           | t      | t      | t     | t     | t | t    | t | t     |
| 20          | 197,0* | 229,0* | -     | -     | - | -    | - | -     |
| 22          | 181,5* | 227,0* | -     | -     | - | -    | - | -     |
| 24          | 168,0* | 233,0  | -     | -     | - | -    | - | -     |
| 26          | 156,0* | 233,0  | -     | -     | - | -    | - | 224,0 |
| 28          | 145,5* | 231,0  | -     | -     | - | -    | - | 224,0 |
| 30          | 136,5* | 228,0  | -     | -     | - | -    | - | 224,0 |
| 34          | 120,5* | 221,0  | -     | -     | - | -    | - | 224,0 |
| 38          | 108,0* | 214,0  | -     | -     | - | -    | - | 224,0 |
| 42          | 95,8*  | 206,0  | -     | -     | - | -    | - | 221,0 |
| 46          | 84,0*  | 199,5  | -     | -     | - | -    | - | 218,0 |
| 48          | 78,9*  | 196,0  | 230,0 | -     | - | -    | - | 213,5 |
| 50          | 74,2*  | 192,5  | 230,0 | -     | - | -    | - | 211,0 |
| 54          | 60,1   | 180,0  | 216,0 | -     | - | -    | - | 204,0 |
| 58          | -      | -      | 199,0 | -     | - | -    | - | 188,0 |
| 62          | -      | -      | 184,0 | -     | - | -    | - | 170,0 |
| 66          | -      | -      | 171,0 | -     | - | -    | - | 155,0 |
| 70          | -      | -      | 159,5 | 144,5 | - | -    | - | 141,0 |
| 74          | -      | -      | -     | 135,5 | - | -    | - | 129,0 |
| 78          | -      | -      | -     | 127,5 | - | -    | - | 118,0 |
| 82          | -      | -      | -     | 120,0 | - | -    | - | 108,0 |
| 86          | -      | -      | -     | -     | - | -    | - | 99,5  |
| 90          | -      | -      | -     | -     | - | 94,6 | - | 91,0  |
| 94          | -      | -      | -     | -     | - | 89,7 | - | 83,5  |
| 98          | -      | -      | -     | -     | - | -    | - | 74,0  |
| 102         | -      | -      | -     | -     | - | -    | - | 65,0  |
| 106         | -      | -      | -     | -     | - | -    | - | 56,5  |
| 110         | -      | -      | -     | -     | - | -    | - | 48,6  |
| 114         | -      | -      | -     | -     | - | -    | - | 43,9  |
| 118         | -      | -      | -     | -     | - | -    | - | 36,5  |
| 122         | -      | -      | -     | -     | - | -    | - | 28,6  |

0 t 80 t 160 t 240 t 320 t 400 t 450 t

\* Main boom angle 87° · Hauptauslegerwinkel 87° ·

Jarret de flèche principale 87° · Inclinazione braccio base 87° ·  
 Ángulo de pluma principal 87° · Ângulo da lança principal 87° ·  
 Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet

Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche

Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1

Ângulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1

Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°, as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1

Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t |        | 15-24 m      |       | 9,60 m |      | 9.8 m/s     |   | 360° |        | ISO          |       |         |      |         |   |     |   |     |   |     |   |     |   |   |
|--------------------|--------|--------------|-------|--------|------|-------------|---|------|--------|--------------|-------|---------|------|---------|---|-----|---|-----|---|-----|---|-----|---|---|
| 84 m + 60 m        |        |              |       |        |      | 84 m + 72 m |   |      |        |              |       |         |      |         |   |     |   |     |   |     |   |     |   |   |
| SWSL               |        |              |       |        |      | SWSL        |   |      |        |              |       |         |      |         |   |     |   |     |   |     |   |     |   |   |
| SFSL               |        |              |       |        |      | SFSL        |   |      |        |              |       |         |      |         |   |     |   |     |   |     |   |     |   |   |
| 0 t                |        | 80 t - 450 t |       |        |      |             |   | 0 t  |        | 80 t - 450 t |       |         |      |         |   |     |   |     |   |     |   |     |   |   |
| 87°/85°            |        | 87°/85°      |       | 75°    |      | 65°         |   | 55°  |        | 45°          |       | 87°/85° |      | 87°/85° |   | 75° |   | 65° |   | 55° |   | 45° |   |   |
| m                  | t      | t            | t     | t      | t    | t           | t | m    | t      | t            | t     | t       | t    | t       | t | t   | t | t   | t | t   | t | t   | t |   |
| 24                 | 157,5* | 184,0*       | -     | -      | -    | -           | - | 26   | 136,5* | 147,5*       | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 26                 | 146,5* | 182,5*       | -     | -      | -    | -           | - | 28   | 127,0* | 147,0*       | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 30                 | 136,5* | 187,5        | -     | -      | -    | -           | - | 30   | 119,0* | 145,5*       | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 34                 | 128,0* | 187,0        | -     | -      | -    | -           | - | 32   | 112,0* | 150,0        | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 38                 | 113,0* | 184,0        | -     | -      | -    | -           | - | 34   | 105,0* | 149,0        | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 42                 | 101,0* | 179,5        | -     | -      | -    | -           | - | 38   | 93,4*  | 147,0        | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 46                 | 90,8*  | 175,0        | -     | -      | -    | -           | - | 42   | 83,6*  | 144,5        | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 50                 | 82,1*  | 170,0        | -     | -      | -    | -           | - | 46   | 75,4*  | 141,5        | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 54                 | 74,7*  | 165,0        | -     | -      | -    | -           | - | 50   | 68,2*  | 138,5        | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 58                 | 66,6*  | 160,0        | 185,5 | -      | -    | -           | - | 54   | 62,0*  | 135,0        | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 62                 | 59,3*  | 155,5        | 183,0 | -      | -    | -           | - | 58   | 55,0*  | 132,0        | 147,0 | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 66                 | 53,0*  | 150,5        | 181,5 | -      | -    | -           | - | 62   | 49,0*  | 128,5        | 145,5 | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 70                 | 42,6   | 138,0        | 172,0 | -      | -    | -           | - | 66   | 43,7*  | 125,5        | 145,5 | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 74                 | -      | -            | 160,0 | -      | -    | -           | - | 70   | 39,0*  | 122,0        | 143,0 | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 78                 | -      | -            | 149,5 | -      | -    | -           | - | 74   | 34,8*  | 116,0        | 142,0 | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 82                 | -      | -            | 140,0 | 125,5  | -    | -           | - | 78   | 26,8   | 101,0        | 135,0 | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 86                 | -      | -            | 132,0 | 118,0  | -    | -           | - | 82   | -      | -            | 127,0 | 113,5   | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 90                 | -      | -            | -     | 111,5  | -    | -           | - | 86   | -      | -            | 119,5 | 107,0   | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 94                 | -      | -            | -     | 105,5  | -    | -           | - | 90   | -      | -            | 113,0 | 101,0   | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 98                 | -      | -            | -     | 100,0  | -    | -           | - | 94   | -      | -            | 102,5 | 95,7    | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 102                | -      | -            | -     | -      | 82,6 | -           | - | 98   | -      | -            | -     | 90,7    | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 106                | -      | -            | -     | -      | 78,4 | -           | - | 102  | -      | -            | -     | 86,0    | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 110                | -      | -            | -     | -      | 74,4 | -           | - | 106  | -      | -            | -     | 81,6    | 68,9 | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 114                | -      | -            | -     | -      | -    | -           | - | 110  | -      | -            | -     | -       | 65,0 | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 118                | -      | -            | -     | -      | -    | -           | - | 114  | -      | -            | -     | -       | 61,3 | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 122                | -      | -            | -     | -      | -    | -           | - | 118  | -      | -            | -     | -       | 58,0 | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 126                | -      | -            | -     | -      | -    | -           | - | 122  | -      | -            | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 130                | -      | -            | -     | -      | -    | -           | - | 126  | -      | -            | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
| 134                | -      | -            | -     | -      | -    | -           | - | 130  | -      | -            | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
|                    |        |              |       |        |      |             |   | 134  | -      | -            | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
|                    |        |              |       |        |      |             |   | 138  | -      | -            | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |
|                    |        |              |       |        |      |             |   | 142  | -      | -            | -     | -       | -    | -       | - | -   | - | -   | - | -   | - | -   | - | - |

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° · Ángulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 · Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche · Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1 · Ângulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°; as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |        |              |       |      |             |      |      |      |       |              |      |         |      |         |   |     |     |       |       |      |      |      |      |   |
|--|--------|--------------|-------|------|-------------|------|------|------|-------|--------------|------|---------|------|---------|---|-----|-----|-------|-------|------|------|------|------|---|
| 84 m + 84 m  |        |              |       |      | 84 m + 96 m |      |      |      |       |              |      |         |      |         |   |     |     |       |       |      |      |      |      |   |
| SWSL   |        |              |       | SFSL |             |      |      | SWSL |       |              |      | SFSL    |      |         |   |     |     |       |       |      |      |      |      |   |
| 0 t  |        | 80 t - 450 t |       |      |             |      |      | 0 t  |       | 80 t - 450 t |      |         |      |         |   |     |     |       |       |      |      |      |      |   |
| 87°/85°  |        | 87°/85°      |       | 75°  |             | 65°  |      | 55°  |       | 45°          |      | 87°/85° |      | 87°/85° |   | 75° |     | 65°   |       | 55°  |      | 45°  |      |   |
| m  | t      | t            | t     | t    | t           | t    | t    | m    | t     | t            | t    | t       | t    | t       | t | t   | m   | t     | t     | t    | t    | t    | t    |   |
| 28   | 112,5* | 117,0*       | -     | -    | -           | -    | -    | 32   | 85,5* | 88,9*        | -    | -       | -    | -       | - | -   | 32  | 85,5* | 88,9* | -    | -    | -    | -    | - |
| 30   | 110,0* | 116,5*       | -     | -    | -           | -    | -    | 34   | 85,5* | 88,2*        | -    | -       | -    | -       | - | -   | 34  | 85,5* | 88,2* | -    | -    | -    | -    | - |
| 34   | 98,7*  | 117,5        | -     | -    | -           | -    | -    | 38   | 81,6* | 88,6         | -    | -       | -    | -       | - | -   | 38  | 81,6* | 88,6  | -    | -    | -    | -    | - |
| 38   | 87,6*  | 117,0        | -     | -    | -           | -    | -    | 42   | 72,6* | 87,8         | -    | -       | -    | -       | - | -   | 42  | 72,6* | 87,8  | -    | -    | -    | -    | - |
| 42   | 78,2*  | 115,5        | -     | -    | -           | -    | -    | 46   | 65,0* | 86,8         | -    | -       | -    | -       | - | -   | 46  | 65,0* | 86,8  | -    | -    | -    | -    | - |
| 46   | 70,2*  | 114,0        | -     | -    | -           | -    | -    | 50   | 58,3* | 85,6         | -    | -       | -    | -       | - | -   | 50  | 58,3* | 85,6  | -    | -    | -    | -    | - |
| 50   | 63,3*  | 112,5        | -     | -    | -           | -    | -    | 54   | 52,6* | 84,3         | -    | -       | -    | -       | - | -   | 54  | 52,6* | 84,3  | -    | -    | -    | -    | - |
| 54   | 57,3*  | 110,5        | -     | -    | -           | -    | -    | 58   | 47,4* | 82,7         | -    | -       | -    | -       | - | -   | 58  | 47,4* | 82,7  | -    | -    | -    | -    | - |
| 58   | 52,0*  | 108,5        | -     | -    | -           | -    | -    | 62   | 42,9* | 81,0         | -    | -       | -    | -       | - | -   | 62  | 42,9* | 81,0  | -    | -    | -    | -    | - |
| 62   | 47,0*  | 106,5        | 112,5 | -    | -           | -    | -    | 66   | 38,8* | 79,4         | -    | -       | -    | -       | - | -   | 66  | 38,8* | 79,4  | -    | -    | -    | -    | - |
| 66   | 41,7*  | 104,5        | 112,5 | -    | -           | -    | -    | 70   | 34,7* | 77,8         | 81,7 | -       | -    | -       | - | -   | 70  | 34,7* | 77,8  | 81,7 | -    | -    | -    | - |
| 70   | 37,0*  | 102,5        | 112,0 | -    | -           | -    | -    | 74   | 30,6* | 76,1         | 81,7 | -       | -    | -       | - | -   | 74  | 30,6* | 76,1  | 81,7 | -    | -    | -    | - |
| 74   | 32,8*  | 100,0        | 111,0 | -    | -           | -    | -    | 78   | 26,9* | 74,5         | 81,7 | -       | -    | -       | - | -   | 78  | 26,9* | 74,5  | 81,7 | -    | -    | -    | - |
| 78   | 29,1*  | 98,0         | 111,0 | -    | -           | -    | -    | 82   | 23,5* | 72,9         | 81,6 | -       | -    | -       | - | -   | 82  | 23,5* | 72,9  | 81,6 | -    | -    | -    | - |
| 82   | 25,8*  | 95,8         | 111,0 | -    | -           | -    | -    | 86   | 20,5* | 71,2         | 80,8 | -       | -    | -       | - | -   | 86  | 20,5* | 71,2  | 80,8 | -    | -    | -    | - |
| 86   | 22,7*  | 90,1         | 110,0 | -    | -           | -    | -    | 90   | 17,7* | 69,6         | 80,3 | -       | -    | -       | - | -   | 90  | 17,7* | 69,6  | 80,3 | -    | -    | -    | - |
| 90   | 16,2   | 78,6         | 109,5 | 97,8 | -           | -    | -    | 94   | 15,2* | 67,9         | 79,3 | -       | -    | -       | - | -   | 94  | 15,2* | 67,9  | 79,3 | -    | -    | -    | - |
| 94   | -      | -            | 105,0 | 92,4 | -           | -    | -    | 98   | 12,9* | 66,3         | 78,7 | 70,7    | -    | -       | - | -   | 98  | 12,9* | 66,3  | 78,7 | 70,7 | -    | -    | - |
| 98   | -      | -            | 99,5  | 87,4 | -           | -    | -    | 102  | 7,3   | 61,3         | 77,8 | 70,3    | -    | -       | - | -   | 102 | 7,3   | 61,3  | 77,8 | 70,3 | -    | -    | - |
| 102  | -      | -            | 92,1  | 82,8 | -           | -    | -    | 106  | -     | -            | 76,8 | 70,3    | -    | -       | - | -   | 106 | -     | -     | 76,8 | 70,3 | -    | -    | - |
| 106  | -      | -            | 80,8  | 78,6 | -           | -    | -    | 110  | -     | -            | 75,3 | 70,3    | -    | -       | - | -   | 110 | -     | -     | 75,3 | 70,3 | -    | -    | - |
| 110  | -      | -            | -     | 74,7 | -           | -    | -    | 114  | -     | -            | 72,6 | 67,8    | -    | -       | - | -   | 114 | -     | -     | 72,6 | 67,8 | -    | -    | - |
| 114  | -      | -            | -     | 71,0 | 57,9        | -    | -    | 118  | -     | -            | -    | 64,4    | -    | -       | - | -   | 118 | -     | -     | -    | 64,4 | -    | -    | - |
| 118  | -      | -            | -     | 67,7 | 54,5        | -    | -    | 122  | -     | -            | -    | 61,2    | 47,9 | -       | - | -   | 122 | -     | -     | -    | 61,2 | 47,9 | -    | - |
| 122  | -      | -            | -     | -    | 51,4        | -    | -    | 126  | -     | -            | -    | 58,3    | 45,1 | -       | - | -   | 126 | -     | -     | -    | 58,3 | 45,1 | -    | - |
| 126  | -      | -            | -     | -    | 48,5        | -    | -    | 130  | -     | -            | -    | 55,5    | 42,4 | -       | - | -   | 130 | -     | -     | -    | 55,5 | 42,4 | -    | - |
| 130  | -      | -            | -     | -    | 45,8        | -    | -    | 134  | -     | -            | -    | -       | 39,8 | -       | - | -   | 134 | -     | -     | -    | -    | 39,8 | -    | - |
| 134  | -      | -            | -     | -    | -           | 29,7 | -    | 138  | -     | -            | -    | -       | 37,5 | -       | - | -   | 138 | -     | -     | -    | -    | 37,5 | -    | - |
| 138  | -      | -            | -     | -    | -           | 28,2 | 26,3 | 142  | -     | -            | -    | -       | 35,2 | 23,6    | - | -   | 142 | -     | -     | -    | -    | 35,2 | 23,6 | - |
| 142  | -      | -            | -     | -    | -           | 26,8 | 21,9 | 146  | -     | -            | -    | -       | -    | 21,8    | - | -   | 146 | -     | -     | -    | -    | -    | 21,8 | - |
| 146  | -      | -            | -     | -    | -           | -    | 16,7 | 150  | -     | -            | -    | -       | -    | 20,1    | - | -   | 150 | -     | -     | -    | -    | -    | 20,1 | - |
| 150  | -      | -            | -     | -    | -           | -    | 11,6 | 154  | -     | -            | -    | -       | -    | 18,5    | - | -   | 154 | -     | -     | -    | -    | -    | 18,5 | - |
| 154  | -      | -            | -     | -    | -           | -    | 6,4  | 158  | -     | -            | -    | -       | -    | -       | - | -   | 158 | -     | -     | -    | -    | -    | -    | - |

0 t 80 t 160 t 240 t 320 t 400 t 450 t

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinação braccio base 87° · Ángulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 · Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche · Inclinação braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1 · Ángulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°; as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |       |              |      |      |             |      |   |     |   |     |        |
|--|-------|--------------|------|------|-------------|------|---|-----|---|-----|--------|
| 84 m + 108 m                                       |       |              |      |      | 90 m + 36 m |      |   |     |   |     |        |
| SWSL   |       |              |      |      | SFSL        |      |   |     |   |     |        |
| 0 t  |       | 80 t - 450 t |      |      |             |      |   |     |   |     |        |
| 87°/85°  |       | 87°/85°      |      | 75°  |             | 65°  |   | 55° |   | 45° |        |
| m  | t     | t            | t    | t    | t           | t    | t | t   | t | m   | t      |
| 34   | 65,1* | 68,0*        | -    | -    | -           | -    | - | -   | - | 17  | 231,0* |
| 38   | 64,9* | 67,3*        | -    | -    | -           | -    | - | -   | - | 18  | 220,0* |
| 40   | 64,3* | 67,5         | -    | -    | -           | -    | - | -   | - | 20  | 202,0* |
| 42   | 63,7* | 67,5         | -    | -    | -           | -    | - | -   | - | 22  | 186,0* |
| 46   | 59,9* | 66,8         | -    | -    | -           | -    | - | -   | - | 24  | 172,0* |
| 50   | 53,5* | 66,0         | -    | -    | -           | -    | - | -   | - | 26  | 160,0* |
| 54   | 47,9* | 65,2         | -    | -    | -           | -    | - | -   | - | 28  | 149,5* |
| 58   | 43,0* | 64,2         | -    | -    | -           | -    | - | -   | - | 30  | 140,5* |
| 62   | 38,6* | 63,1         | -    | -    | -           | -    | - | -   | - | 34  | 124,5* |
| 66   | 34,7* | 62,0         | -    | -    | -           | -    | - | -   | - | 38  | 111,0* |
| 70   | 31,1* | 60,9         | -    | -    | -           | -    | - | -   | - | 42  | 96,4*  |
| 74   | 27,9* | 59,8         | 60,4 | -    | -           | -    | - | -   | - | 44  | 82,8   |
| 78   | 24,8* | 58,7         | 60,4 | -    | -           | -    | - | -   | - | 46  | -      |
| 82   | 21,4* | 57,5         | 60,4 | -    | -           | -    | - | -   | - | 50  | -      |
| 86   | 18,4* | 56,3         | 60,4 | -    | -           | -    | - | -   | - | 54  | -      |
| 90   | 15,6* | 54,9         | 60,4 | -    | -           | -    | - | -   | - | 58  | -      |
| 94   | 13,1* | 53,6         | 60,3 | -    | -           | -    | - | -   | - | 62  | -      |
| 98   | 10,8* | 52,2         | 60,2 | -    | -           | -    | - | -   | - | 66  | -      |
| 102  | 8,6*  | 50,9         | 59,6 | 51,1 | -           | -    | - | -   | - | 70  | -      |
| 106  | 6,7*  | 49,5         | 59,4 | 50,9 | -           | -    | - | -   | - | 74  | -      |
| 110  | -     | 48,2         | 59,2 | 50,9 | -           | -    | - | -   | - | 78  | -      |
| 114  | -     | 46,8         | 58,5 | 50,9 | -           | -    | - | -   | - | 82  | -      |
| 118  | -     | -            | 58,2 | 50,9 | -           | -    | - | -   | - | 86  | -      |
| 122  | -     | -            | 57,8 | 50,7 | -           | -    | - | -   | - | 90  | -      |
| 126  | -     | -            | 57,1 | 50,7 | -           | -    | - | -   | - | 94  | -      |
| 130  | -     | -            | -    | 50,7 | 39,1        | -    | - | -   | - | 98  | -      |
| 134  | -     | -            | -    | 49,9 | 36,6        | -    | - | -   | - | 102 | -      |
| 138  | -     | -            | -    | 47,5 | 34,2        | -    | - | -   | - | 106 | -      |
| 142  | -     | -            | -    | 45,2 | 32,0        | -    | - | -   | - | 110 | -      |
| 146  | -     | -            | -    | -    | 29,9        | -    | - | -   | - | 114 | -      |
| 150  | -     | -            | -    | -    | 27,9        | -    | - | -   | - | -   | -      |
| 154  | -     | -            | -    | -    | 26,0        | 15,0 | - | -   | - | -   | -      |
| 158  | -     | -            | -    | -    | -           | 13,5 | - | -   | - | -   | -      |
| 162  | -     | -            | -    | -    | -           | 12,0 | - | -   | - | -   | -      |
| 166  | -     | -            | -    | -    | -           | 10,7 | - | -   | - | -   | -      |



\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° ·  
 Ângulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 ·  
 Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung  
 IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les  
 positions intermédiaires de la flèche · Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono  
 calcolate dal sistema di controllo della gru IC-1 · Ângulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma  
 intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°; as capacidades para  
 posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы  
 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |        |        |       |       |      |   |   |       | 90 m + 48 m                     |        |        |                                 |       |      |   |   |       | 90 m + 60 m |        |        |                                 |       |      |   |   |       |
|--|--------|--------|-------|-------|------|---|---|-------|---------------------------------|--------|--------|---------------------------------|-------|------|---|---|-------|-------------|--------|--------|---------------------------------|-------|------|---|---|-------|
| SWSL   |        |        |       |       |      |   |   |       | SFSL                            |        |        | SWSL                            |       |      |   |   |       |             |        |        | SFSL                            |       |      |   |   |       |
| 0 t 80 t - 450 t                                   |        |        |       |       |      |   |   |       | 0 t 80 t - 450 t                |        |        | 0 t 80 t - 450 t                |       |      |   |   |       |             |        |        | 0 t 80 t - 450 t                |       |      |   |   |       |
| 87°/85° 87°/85° 75° 65° 55° 45°                    |        |        |       |       |      |   |   |       | 87°/85° 87°/85° 75° 65° 55° 45° |        |        | 87°/85° 87°/85° 75° 65° 55° 45° |       |      |   |   |       |             |        |        | 87°/85° 87°/85° 75° 65° 55° 45° |       |      |   |   |       |
| m  | t      | t      | t     | t     | t    | t | t | t     | m                               | t      | t      | t                               | t     | t    | t | t | t     | m           | t      | t      | t                               | t     | t    | t | t | t     |
| 20   | 189,0* | 209,0* | -     | -     | -    | - | - | -     | 24                              | 151,5* | 169,0* | -                               | -     | -    | - | - | -     | 24          | 151,5* | 169,0* | -                               | -     | -    | - | - | -     |
| 22   | 174,5* | 208,0* | -     | -     | -    | - | - | -     | 26                              | 141,0* | 167,5* | -                               | -     | -    | - | - | -     | 26          | 141,0* | 167,5* | -                               | -     | -    | - | - | -     |
| 24   | 161,5* | 206,0* | -     | -     | -    | - | - | -     | 28                              | 131,5* | 171,5  | -                               | -     | -    | - | - | -     | 28          | 131,5* | 171,5  | -                               | -     | -    | - | - | -     |
| 26   | 150,5* | 213,0  | -     | -     | -    | - | - | 204,0 | 30                              | 123,5* | 171,5  | -                               | -     | -    | - | - | 165,0 | 30          | 123,5* | 171,5  | -                               | -     | -    | - | - | 165,0 |
| 28   | 140,5* | 211,0  | -     | -     | -    | - | - | 204,0 | 34                              | 109,0* | 168,5  | -                               | -     | -    | - | - | 165,0 | 34          | 109,0* | 168,5  | -                               | -     | -    | - | - | 165,0 |
| 30   | 131,5* | 208,0  | -     | -     | -    | - | - | 204,0 | 38                              | 97,5*  | 164,5  | -                               | -     | -    | - | - | 165,0 | 38          | 97,5*  | 164,5  | -                               | -     | -    | - | - | 165,0 |
| 34   | 116,5* | 203,0  | -     | -     | -    | - | - | 204,0 | 42                              | 87,7*  | 160,0  | -                               | -     | -    | - | - | 165,0 | 42          | 87,7*  | 160,0  | -                               | -     | -    | - | - | 165,0 |
| 38   | 104,0* | 196,0  | -     | -     | -    | - | - | 204,0 | 46                              | 79,3*  | 155,5  | -                               | -     | -    | - | - | 165,0 | 46          | 79,3*  | 155,5  | -                               | -     | -    | - | - | 165,0 |
| 42   | 94,2*  | 189,0  | -     | -     | -    | - | - | 204,0 | 50                              | 72,2*  | 150,5  | -                               | -     | -    | - | - | 165,0 | 50          | 72,2*  | 150,5  | -                               | -     | -    | - | - | 165,0 |
| 46   | 82,8*  | 183,0  | -     | -     | -    | - | - | 202,0 | 54                              | 65,6*  | 146,5  | 169,5                           | -     | -    | - | - | 163,0 | 54          | 65,6*  | 146,5  | 169,5                           | -     | -    | - | - | 163,0 |
| 48   | 77,7*  | 180,0  | 210,0 | -     | -    | - | - | 198,0 | 58                              | 58,4*  | 142,5  | 168,0                           | -     | -    | - | - | 157,0 | 58          | 58,4*  | 142,5  | 168,0                           | -     | -    | - | - | 157,0 |
| 50   | 73,1*  | 177,5  | 210,0 | -     | -    | - | - | 197,0 | 62                              | 52,2*  | 138,5  | 164,5                           | -     | -    | - | - | 152,0 | 62          | 52,2*  | 138,5  | 164,5                           | -     | -    | - | - | 152,0 |
| 54   | 64,8*  | 171,5  | 205,0 | -     | -    | - | - | 189,0 | 66                              | 41,3   | 134,5  | 162,0                           | -     | -    | - | - | 147,0 | 66          | 41,3   | 134,5  | 162,0                           | -     | -    | - | - | 147,0 |
| 58   | -      | -      | 196,0 | -     | -    | - | - | 183,0 | 70                              | -      | -      | 157,5                           | -     | -    | - | - | 143,0 | 70          | -      | -      | 157,5                           | -     | -    | - | - | 143,0 |
| 62   | -      | -      | 181,0 | -     | -    | - | - | 167,0 | 74                              | -      | -      | 147,0                           | -     | -    | - | - | 130,0 | 74          | -      | -      | 147,0                           | -     | -    | - | - | 130,0 |
| 66   | -      | -      | 168,0 | -     | -    | - | - | 152,0 | 78                              | -      | -      | 138,0                           | 120,5 | -    | - | - | 119,0 | 78          | -      | -      | 138,0                           | 120,5 | -    | - | - | 119,0 |
| 70   | -      | -      | 156,5 | 139,0 | -    | - | - | 138,0 | 82                              | -      | -      | 129,5                           | 113,5 | -    | - | - | 109,0 | 82          | -      | -      | 129,5                           | 113,5 | -    | - | - | 109,0 |
| 74   | -      | -      | -     | 130,5 | -    | - | - | 126,0 | 86                              | -      | -      | -                               | 107,0 | -    | - | - | 100,0 | 86          | -      | -      | -                               | 107,0 | -    | - | - | 100,0 |
| 78   | -      | -      | -     | 122,5 | -    | - | - | 115,0 | 90                              | -      | -      | -                               | 101,0 | -    | - | - | 92,0  | 90          | -      | -      | -                               | 101,0 | -    | - | - | 92,0  |
| 82   | -      | -      | -     | 115,5 | -    | - | - | 105,0 | 94                              | -      | -      | -                               | 96,1  | -    | - | - | 84,5  | 94          | -      | -      | -                               | 96,1  | -    | - | - | 84,5  |
| 86   | -      | -      | -     | 109,0 | -    | - | - | 96,0  | 98                              | -      | -      | -                               | 91,3  | -    | - | - | 77,0  | 98          | -      | -      | -                               | 91,3  | -    | - | - | 77,0  |
| 90   | -      | -      | -     | -     | 88,9 | - | - | 88,0  | 102                             | -      | -      | -                               | -     | 73,5 | - | - | 70,5  | 102         | -      | -      | -                               | -     | 73,5 | - | - | 70,5  |
| 94   | -      | -      | -     | -     | 84,3 | - | - | 80,5  | 106                             | -      | -      | -                               | -     | 69,8 | - | - | 64,5  | 106         | -      | -      | -                               | -     | 69,8 | - | - | 64,5  |
| 98   | -      | -      | -     | -     | 80,0 | - | - | 73,5  | 110                             | -      | -      | -                               | -     | 66,3 | - | - | 57,5  | 110         | -      | -      | -                               | -     | 66,3 | - | - | 57,5  |
| 102  | -      | -      | -     | -     | -    | - | - | 65,0  | 114                             | -      | -      | -                               | -     | -    | - | - | 50,0  | 114         | -      | -      | -                               | -     | -    | - | - | 50,0  |
| 106  | -      | -      | -     | -     | -    | - | - | 56,5  | 118                             | -      | -      | -                               | -     | -    | - | - | 43,3  | 118         | -      | -      | -                               | -     | -    | - | - | 43,3  |
| 110  | -      | -      | -     | -     | -    | - | - | 48,8  | 122                             | -      | -      | -                               | -     | -    | - | - | 36,6  | 122         | -      | -      | -                               | -     | -    | - | - | 36,6  |
| 114  | -      | -      | -     | -     | -    | - | - | 41,2  | 126                             | -      | -      | -                               | -     | -    | - | - | 31,9  | 126         | -      | -      | -                               | -     | -    | - | - | 31,9  |
| 118  | -      | -      | -     | -     | -    | - | - | 36,4  | 130                             | -      | -      | -                               | -     | -    | - | - | 27,1  | 130         | -      | -      | -                               | -     | -    | - | - | 27,1  |
| 122  | -      | -      | -     | -     | -    | - | - | 30,5  | 134                             | -      | -      | -                               | -     | -    | - | - | 20,8  | 134         | -      | -      | -                               | -     | -    | - | - | 20,8  |
| 126  | -      | -      | -     | -     | -    | - | - | 23,3  | 138                             | -      | -      | -                               | -     | -    | - | - | 14,4  | 138         | -      | -      | -                               | -     | -    | - | - | 14,4  |



\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinação braccio base 87° · Ángulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 · Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche · Inclinação braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1 · Ángulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45° as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1



| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |        |              |       |       |             |     |      |      |        |              |       |         |      |         |   |     |     |        |        |       |      |      |      |      |
|--|--------|--------------|-------|-------|-------------|-----|------|------|--------|--------------|-------|---------|------|---------|---|-----|-----|--------|--------|-------|------|------|------|------|
| 90 m + 72 m  |        |              |       |       | 90 m + 84 m |     |      |      |        |              |       |         |      |         |   |     |     |        |        |       |      |      |      |      |
| SWSL   |        |              |       | SFSL  |             |     |      | SWSL |        |              |       | SFSL    |      |         |   |     |     |        |        |       |      |      |      |      |
| 0 t  |        | 80 t - 450 t |       |       |             |     |      | 0 t  |        | 80 t - 450 t |       |         |      |         |   |     |     |        |        |       |      |      |      |      |
| 87°/85°  |        | 87°/85°      |       | 75°   |             | 65° |      | 55°  |        | 45°          |       | 87°/85° |      | 87°/85° |   | 75° |     | 65°    |        | 55°   |      | 45°  |      |      |
| m  | t      | t            | t     | t     | t           | t   | t    | m    | t      | t            | t     | t       | t    | t       | t | t   | m   | t      | t      | t     | t    | t    | t    |      |
| 26   | 128,0* | 135,5*       | -     | -     | -           | -   | -    | 28   | 105,5* | 108,5*       | -     | -       | -    | -       | - | -   | 30  | 103,0* | 108,5* | -     | -    | -    | -    | -    |
| 28   | 122,5* | 135,0*       | -     | -     | -           | -   | -    | 30   | 103,0* | 108,5*       | -     | -       | -    | -       | - | -   | 34  | 94,8*  | 109,5* | -     | -    | -    | -    | -    |
| 30   | 114,5* | 134,0*       | -     | -     | -           | -   | -    | 34   | 94,8*  | 109,5*       | -     | -       | -    | -       | - | -   | 38  | 84,1*  | 109,0* | -     | -    | -    | -    | -    |
| 32   | 107,8* | 137,5*       | -     | -     | -           | -   | -    | 38   | 84,1*  | 109,0*       | -     | -       | -    | -       | - | -   | 42  | 75,1*  | 108,0* | -     | -    | -    | -    | -    |
| 34   | 101,0* | 137,0*       | -     | -     | -           | -   | -    | 42   | 75,1*  | 108,0*       | -     | -       | -    | -       | - | -   | 46  | 67,5*  | 106,5* | -     | -    | -    | -    | -    |
| 38   | 90,0*  | 135,5*       | -     | -     | -           | -   | -    | 46   | 67,5*  | 106,5*       | -     | -       | -    | -       | - | -   | 50  | 60,8*  | 105,0* | -     | -    | -    | -    | -    |
| 42   | 80,6*  | 133,0*       | -     | -     | -           | -   | -    | 50   | 60,8*  | 105,0*       | -     | -       | -    | -       | - | -   | 54  | 55,0*  | 102,5* | -     | -    | -    | -    | -    |
| 46   | 72,5*  | 130,0*       | -     | -     | -           | -   | -    | 54   | 55,0*  | 102,5*       | -     | -       | -    | -       | - | -   | 58  | 49,9*  | 100,5* | -     | -    | -    | -    | -    |
| 50   | 65,6*  | 127,0*       | -     | -     | -           | -   | -    | 58   | 49,9*  | 100,5*       | -     | -       | -    | -       | - | -   | 62  | 45,3*  | 98,7*  | -     | -    | -    | -    | -    |
| 54   | 59,6*  | 123,5*       | -     | -     | -           | -   | -    | 62   | 45,3*  | 98,7*        | -     | -       | -    | -       | - | -   | 66  | 40,9*  | 96,5*  | 105,5 | -    | -    | -    | -    |
| 58   | 54,2*  | 120,5*       | 134,5 | -     | -           | -   | -    | 66   | 40,9*  | 96,5*        | 105,5 | -       | -    | -       | - | -   | 70  | 36,3*  | 94,4*  | 105,0 | -    | -    | -    | -    |
| 62   | 48,2*  | 117,5*       | 134,5 | -     | -           | -   | -    | 70   | 36,3*  | 94,4*        | 105,0 | -       | -    | -       | - | -   | 74  | 32,2*  | 92,3*  | 105,0 | -    | -    | -    | -    |
| 66   | 42,9*  | 114,5*       | 133,0 | -     | -           | -   | -    | 74   | 32,2*  | 92,3*        | 105,0 | -       | -    | -       | - | -   | 78  | 28,5*  | 90,2*  | 104,0 | -    | -    | -    | -    |
| 70   | 38,3*  | 112,0*       | 132,5 | -     | -           | -   | -    | 78   | 28,5*  | 90,2*        | 104,0 | -       | -    | -       | - | -   | 82  | 25,2*  | 88,1*  | 103,5 | -    | -    | -    | -    |
| 74   | 34,1*  | 109,0*       | 129,5 | -     | -           | -   | -    | 82   | 25,2*  | 88,1*        | 103,5 | -       | -    | -       | - | -   | 86  | 22,1*  | 86,0*  | 102,0 | -    | -    | -    | -    |
| 78   | 25,7   | 103,0        | 128,0 | -     | -           | -   | -    | 86   | 22,1*  | 86,0*        | 102,0 | -       | -    | -       | - | -   | 90  | 15,2   | 80,4*  | 101,0 | -    | -    | -    | -    |
| 82   | -      | -            | 124,5 | -     | -           | -   | -    | 90   | 15,2   | 80,4*        | 101,0 | -       | -    | -       | - | -   | 94  | -      | -      | 100,0 | 88,3 | -    | -    | -    |
| 86   | -      | -            | 117,5 | 102,5 | -           | -   | -    | 94   | -      | -            | 100,0 | 88,3    | -    | -       | - | -   | 98  | -      | -      | 97,5  | 83,5 | -    | -    | -    |
| 90   | -      | -            | 111,0 | 97,0  | -           | -   | -    | 98   | -      | -            | 97,5  | 83,5    | -    | -       | - | -   | 102 | -      | -      | 92,5  | 79,0 | -    | -    | -    |
| 94   | -      | -            | 105,0 | 91,7  | -           | -   | -    | 102  | -      | -            | 92,5  | 79,0    | -    | -       | - | -   | 106 | -      | -      | 85,7  | 74,9 | -    | -    | -    |
| 98   | -      | -            | -     | 86,8  | -           | -   | -    | 106  | -      | -            | 85,7  | 74,9    | -    | -       | - | -   | 110 | -      | -      | -     | 71,1 | -    | -    | -    |
| 102  | -      | -            | -     | 82,3  | -           | -   | -    | 110  | -      | -            | -     | 71,1    | -    | -       | - | -   | 114 | -      | -      | -     | 67,6 | -    | -    | -    |
| 106  | -      | -            | -     | 78,2  | -           | -   | -    | 114  | -      | -            | -     | 67,6    | -    | -       | - | -   | 118 | -      | -      | -     | 64,4 | 50,6 | -    | -    |
| 110  | -      | -            | -     | 74,5  | 60,8        | -   | -    | 118  | -      | -            | -     | 64,4    | 50,6 | -       | - | -   | 122 | -      | -      | -     | 61,3 | 47,6 | -    | -    |
| 114  | -      | -            | -     | -     | 57,3        | -   | -    | 122  | -      | -            | -     | 61,3    | 47,6 | -       | - | -   | 126 | -      | -      | -     | -    | 44,8 | -    | -    |
| 118  | -      | -            | -     | -     | 54,1        | -   | -    | 126  | -      | -            | -     | -       | 44,8 | -       | - | -   | 130 | -      | -      | -     | -    | 42,2 | -    | -    |
| 122  | -      | -            | -     | -     | 51,1        | -   | -    | 130  | -      | -            | -     | -       | 42,2 | -       | - | -   | 134 | -      | -      | -     | -    | 39,8 | -    | -    |
| 126  | -      | -            | -     | -     | -           | -   | -    | 134  | -      | -            | -     | -       | 39,8 | -       | - | -   | 138 | -      | -      | -     | -    | -    | 24,4 | -    |
| 130  | -      | -            | -     | -     | -           | -   | 30,5 | 29,2 | -      | -            | -     | -       | -    | 24,4    | - | -   | 142 | -      | -      | -     | -    | -    | 22,6 | -    |
| 134  | -      | -            | -     | -     | -           | -   | 29,0 | 26,1 | -      | -            | -     | -       | -    | 22,6    | - | -   | 146 | -      | -      | -     | -    | -    | 20,9 | -    |
| 138  | -      | -            | -     | -     | -           | -   | -    | 21,0 | -      | -            | -     | -       | -    | 20,9    | - | -   | 150 | -      | -      | -     | -    | -    | -    | 11,7 |
| 142  | -      | -            | -     | -     | -           | -   | -    | 15,6 | -      | -            | -     | -       | -    | -       | - | -   | 154 | -      | -      | -     | -    | -    | -    | 6,9  |
| 146  | -      | -            | -     | -     | -           | -   | -    | 10,2 | -      | -            | -     | -       | -    | -       | - | -   | -   | -      | -      | -     | -    | -    | -    | -    |

0 t 80 t 160 t 240 t 320 t 400 t 450 t

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° · Ángulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 · Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche · Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1 · Ângulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°; as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t |       | 15-24 m      |      | 9,60 m |      | 9.8 m/s      |   | 360° |       | ISO          |      |         |   |         |   |     |   |     |   |     |   |     |   |
|--------------------|-------|--------------|------|--------|------|--------------|---|------|-------|--------------|------|---------|---|---------|---|-----|---|-----|---|-----|---|-----|---|
| 90 m + 96 m        |       |              |      |        |      | 90 m + 108 m |   |      |       |              |      |         |   |         |   |     |   |     |   |     |   |     |   |
| SWSL               |       |              |      |        |      | SWSL         |   |      |       |              |      |         |   |         |   |     |   |     |   |     |   |     |   |
| SFSL               |       |              |      |        |      | SFSL         |   |      |       |              |      |         |   |         |   |     |   |     |   |     |   |     |   |
| 0 t                |       | 80 t - 450 t |      |        |      |              |   | 0 t  |       | 80 t - 450 t |      |         |   |         |   |     |   |     |   |     |   |     |   |
| 87°/85°            |       | 87°/85°      |      | 75°    |      | 65°          |   | 55°  |       | 45°          |      | 87°/85° |   | 87°/85° |   | 75° |   | 65° |   | 55° |   | 45° |   |
| m                  | t     | t            | t    | t      | t    | t            | t | m    | t     | t            | t    | t       | t | t       | t | t   | t | t   | t | t   | t | t   |   |
| 32                 | 80,3* | 83,2*        | -    | -      | -    | -            | - | 34   | 61,0* | 63,7*        | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 34                 | 80,3* | 82,9*        | -    | -      | -    | -            | - | 38   | 60,9* | 63,2*        | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 38                 | 76,8* | 83,1         | -    | -      | -    | -            | - | 40   | 60,3* | 63,3         | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 42                 | 69,6* | 82,6         | -    | -      | -    | -            | - | 42   | 59,6* | 63,3         | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 46                 | 62,2* | 81,7         | -    | -      | -    | -            | - | 46   | 57,1* | 62,8         | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 50                 | 55,8* | 80,6         | -    | -      | -    | -            | - | 50   | 51,0* | 62,1         | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 54                 | 50,2* | 79,3         | -    | -      | -    | -            | - | 54   | 45,6* | 61,3         | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 58                 | 45,3* | 77,8         | -    | -      | -    | -            | - | 58   | 40,8* | 60,4         | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 62                 | 40,9* | 76,3         | -    | -      | -    | -            | - | 62   | 36,6* | 59,4         | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 66                 | 37,0* | 74,7         | -    | -      | -    | -            | - | 66   | 32,7* | 58,3         | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 70                 | 33,4* | 73,2         | 77,1 | -      | -    | -            | - | 70   | 29,3* | 57,3         | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 74                 | 29,9* | 71,7         | 77,1 | -      | -    | -            | - | 74   | 26,2* | 56,2         | 56,9 | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 78                 | 26,2* | 70,1         | 77,1 | -      | -    | -            | - | 78   | 23,4* | 55,1         | 56,9 | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 82                 | 22,9* | 68,6         | 77,1 | -      | -    | -            | - | 82   | 20,7* | 54,1         | 56,9 | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 86                 | 19,9* | 67,1         | 76,4 | -      | -    | -            | - | 86   | 17,8* | 53,0         | 56,9 | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 90                 | 17,2* | 65,6         | 76,0 | -      | -    | -            | - | 90   | 15,1* | 52,0         | 56,9 | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 94                 | 14,7* | 64,1         | 75,6 | -      | -    | -            | - | 94   | 12,6* | 50,9         | 56,8 | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 98                 | 12,4* | 62,6         | 74,4 | 66,6   | -    | -            | - | 98   | 10,3* | 49,8         | 56,8 | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 102                | 6,5   | 61,1         | 73,8 | 66,2   | -    | -            | - | 102  | 8,1*  | 48,8         | 56,3 | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 106                | -     | -            | 73,1 | 66,2   | -    | -            | - | 106  | 6,2*  | 47,7         | 56,3 | 47,9    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 110                | -     | -            | 71,5 | 66,2   | -    | -            | - | 110  | -     | 46,7         | 56,1 | 47,9    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 114                | -     | -            | 70,7 | 64,3   | -    | -            | - | 114  | -     | 45,6         | 55,6 | 47,9    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 118                | -     | -            | 67,4 | 61,1   | -    | -            | - | 118  | -     | -            | 54,9 | 47,9    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 122                | -     | -            | -    | 58,0   | -    | -            | - | 122  | -     | -            | 54,6 | 47,6    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 126                | -     | -            | -    | 55,2   | 41,2 | -            | - | 126  | -     | -            | 54,3 | 47,6    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 130                | -     | -            | -    | 52,5   | 38,7 | -            | - | 130  | -     | -            | 52,9 | 47,6    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 134                | -     | -            | -    | 50,0   | 36,3 | -            | - | 134  | -     | -            | 46,9 | 32,9    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 138                | -     | -            | -    | -      | 34,0 | -            | - | 138  | -     | -            | 44,6 | 30,7    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 142                | -     | -            | -    | -      | 31,8 | -            | - | 142  | -     | -            | 42,4 | 28,5    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 146                | -     | -            | -    | -      | 29,8 | -            | - | 146  | -     | -            | -    | 26,5    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 150                | -     | -            | -    | -      | -    | 15,6         | - | 150  | -     | -            | -    | 24,6    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 154                | -     | -            | -    | -      | -    | 14,1         | - | 154  | -     | -            | -    | 22,8    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
| 158                | -     | -            | -    | -      | -    | 12,7         | - | 158  | -     | -            | -    | 21,1    | - | -       | - | -   | - | -   | - | -   | - | -   | - |
|                    |       |              |      |        |      |              |   | 162  | -     | -            | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
|                    |       |              |      |        |      |              |   | 166  | -     | -            | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |
|                    |       |              |      |        |      |              |   | 170  | -     | -            | -    | -       | - | -       | - | -   | - | -   | - | -   | - | -   | - |

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° ·  
 Ângulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 ·  
 Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung  
 IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les  
 positions intermédiaires de la flèche · Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono  
 calcolate dal sistema di controllo della gru IC-1 · Ângulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma  
 intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°; as capacidades para  
 posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы  
 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |        |        |       |       |      |   |   |       | 96 m + 36 m                     |        |        |                                 |   |   |   |   |   | 96 m + 48 m |        |        |                                 |      |   |   |      |  |
|--|--------|--------|-------|-------|------|---|---|-------|---------------------------------|--------|--------|---------------------------------|---|---|---|---|---|-------------|--------|--------|---------------------------------|------|---|---|------|--|
| SWSL   |        |        |       |       |      |   |   |       | SFSL                            |        |        | SWSL                            |   |   |   |   |   |             |        |        | SFSL                            |      |   |   |      |  |
| 0 t 80 t - 450 t                                   |        |        |       |       |      |   |   |       | 0 t 80 t - 450 t                |        |        | 0 t 80 t - 450 t                |   |   |   |   |   |             |        |        | 0 t 80 t - 450 t                |      |   |   |      |  |
| 87°/85° 87°/85° 75° 65° 55° 45°                    |        |        |       |       |      |   |   |       | 87°/85° 87°/85° 75° 65° 55° 45° |        |        | 87°/85° 87°/85° 75° 65° 55° 45° |   |   |   |   |   |             |        |        | 87°/85° 87°/85° 75° 65° 55° 45° |      |   |   |      |  |
| m  | t      | t      | t     | t     | t    | t | t | t     | m                               | t      | t      | t                               | t | t | t | t | t | m           | t      | t      | t                               | t    | t | t | t    |  |
| 18   | 211,0* | 234,0* | -     | -     | -    | - | - | -     | 20                              | 178,5* | 190,0* | -                               | - | - | - | - | - | 22          | 167,5* | 190,0* | -                               | -    | - | - | -    |  |
| 20   | 194,0* | 232,0* | -     | -     | -    | - | - | -     | 22                              | 167,5* | 190,0* | -                               | - | - | - | - | - | 24          | 155,5* | 187,5* | -                               | -    | - | - | -    |  |
| 22   | 179,0* | 238,0  | -     | -     | -    | - | - | 230,0 | 24                              | 155,5* | 187,5* | -                               | - | - | - | - | - | 26          | 144,5* | 193,0  | -                               | -    | - | - | -    |  |
| 24   | 166,0* | 238,0  | -     | -     | -    | - | - | 230,0 | 26                              | 144,5* | 193,0  | -                               | - | - | - | - | - | 28          | 135,0* | 192,0  | -                               | -    | - | - | -    |  |
| 26   | 154,5* | 234,0  | -     | -     | -    | - | - | 230,0 | 28                              | 135,0* | 192,0  | -                               | - | - | - | - | - | 30          | 126,5* | 190,0  | -                               | -    | - | - | -    |  |
| 28   | 144,0* | 230,0  | -     | -     | -    | - | - | 230,0 | 30                              | 126,5* | 190,0  | -                               | - | - | - | - | - | 34          | 112,5* | 184,5  | -                               | -    | - | - | -    |  |
| 30   | 135,0* | 226,0  | -     | -     | -    | - | - | 230,0 | 34                              | 112,5* | 184,5  | -                               | - | - | - | - | - | 38          | 100,5* | 178,0  | -                               | -    | - | - | -    |  |
| 34   | 120,0* | 217,0  | -     | -     | -    | - | - | 230,0 | 38                              | 100,5* | 178,0  | -                               | - | - | - | - | - | 42          | 90,8*  | 172,0  | -                               | -    | - | - | -    |  |
| 38   | 107,5* | 209,0  | -     | -     | -    | - | - | 230,0 | 42                              | 90,8*  | 172,0  | -                               | - | - | - | - | - | 46          | 81,4*  | 166,0  | -                               | -    | - | - | -    |  |
| 42   | 95,0*  | 202,0  | -     | -     | -    | - | - | 227,0 | 46                              | 81,4*  | 166,0  | -                               | - | - | - | - | - | 50          | 71,8*  | 161,0  | 189,0                           | -    | - | - | -    |  |
| 46   | 75,3   | 195,0  | 230,0 | -     | -    | - | - | 221,0 | 50                              | 71,8*  | 161,0  | 189,0                           | - | - | - | - | - | 54          | 63,6*  | 155,5  | 187,5                           | -    | - | - | -    |  |
| 50   | -      | -      | 226,0 | -     | -    | - | - | 211,0 | 54                              | 63,6*  | 155,5  | 187,5                           | - | - | - | - | - | 58          | -      | 182,0  | -                               | -    | - | - | -    |  |
| 54   | -      | -      | 212,0 | -     | -    | - | - | 198,0 | 58                              | -      | 182,0  | -                               | - | - | - | - | - | 62          | -      | 177,5  | -                               | -    | - | - | -    |  |
| 58   | -      | -      | 195,0 | -     | -    | - | - | 178,0 | 62                              | -      | 177,5  | -                               | - | - | - | - | - | 66          | -      | 165,0  | -                               | -    | - | - | -    |  |
| 62   | -      | -      | 180,0 | -     | -    | - | - | 161,0 | 66                              | -      | 165,0  | -                               | - | - | - | - | - | 70          | -      | 153,5  | -                               | -    | - | - | -    |  |
| 66   | -      | -      | -     | 147,5 | -    | - | - | 146,0 | 70                              | -      | 153,5  | -                               | - | - | - | - | - | 74          | -      | 143,5  | 125,0                           | -    | - | - | -    |  |
| 70   | -      | -      | -     | 138,0 | -    | - | - | 132,0 | 74                              | -      | 143,5  | 125,0                           | - | - | - | - | - | 78          | -      | 117,0  | -                               | -    | - | - | -    |  |
| 74   | -      | -      | -     | 129,5 | -    | - | - | 120,0 | 78                              | -      | 117,0  | -                               | - | - | - | - | - | 82          | -      | 110,5  | -                               | -    | - | - | -    |  |
| 78   | -      | -      | -     | 122,0 | -    | - | - | 109,0 | 82                              | -      | 110,5  | -                               | - | - | - | - | - | 86          | -      | 104,0  | -                               | -    | - | - | -    |  |
| 82   | -      | -      | -     | -     | -    | - | - | 99,5  | 86                              | -      | 104,0  | -                               | - | - | - | - | - | 90          | -      | 98,9   | -                               | -    | - | - | -    |  |
| 86   | -      | -      | -     | -     | 92,7 | - | - | 90,5  | 90                              | -      | 98,9   | -                               | - | - | - | - | - | 94          | -      | -      | -                               | 78,3 | - | - | -    |  |
| 90   | -      | -      | -     | -     | 87,8 | - | - | 82,0  | 94                              | -      | -      | -                               | - | - | - | - | - | 98          | -      | -      | -                               | 74,2 | - | - | -    |  |
| 94   | -      | -      | -     | -     | -    | - | - | 74,5  | 98                              | -      | -      | -                               | - | - | - | - | - | 102         | -      | -      | -                               | 70,6 | - | - | -    |  |
| 98   | -      | -      | -     | -     | -    | - | - | 65,5  | 102                             | -      | -      | -                               | - | - | - | - | - | 106         | -      | -      | -                               | -    | - | - | -    |  |
| 102  | -      | -      | -     | -     | -    | - | - | 56,8  | 106                             | -      | -      | -                               | - | - | - | - | - | 110         | -      | -      | -                               | -    | - | - | -    |  |
| 106  | -      | -      | -     | -     | -    | - | - | 53,5  | 110                             | -      | -      | -                               | - | - | - | - | - | 114         | -      | -      | -                               | -    | - | - | -    |  |
| 110  | -      | -      | -     | -     | -    | - | - | 40,2  | 114                             | -      | -      | -                               | - | - | - | - | - | 118         | -      | -      | -                               | -    | - | - | -    |  |
| 114  | -      | -      | -     | -     | -    | - | - | 36,1  | 118                             | -      | -      | -                               | - | - | - | - | - | 122         | -      | -      | -                               | -    | - | - | -    |  |
| 118  | -      | -      | -     | -     | -    | - | - | 28,4  | 122                             | -      | -      | -                               | - | - | - | - | - | 126         | -      | -      | -                               | -    | - | - | -    |  |
|  |        |        |       |       |      |   |   |       | 126                             | -      | -      | -                               | - | - | - | - | - | 130         | -      | -      | -                               | -    | - | - | -    |  |
|  |        |        |       |       |      |   |   |       | 130                             | -      | -      | -                               | - | - | - | - | - |             |        |        |                                 |      |   |   | 17,3 |  |

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° · Ángulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 · Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche · Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1 · Ángulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°; as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t 15-24 m 9,60 m 9.8 m/s 360° ISO |        |        |       |       |      |   |      |       | 96 m + 60 m                     |        |        |                                 |      |      |   |   |   | 96 m + 72 m |        |        |                                 |      |      |   |       |  |
|--|--------|--------|-------|-------|------|---|------|-------|---------------------------------|--------|--------|---------------------------------|------|------|---|---|---|-------------|--------|--------|---------------------------------|------|------|---|-------|--|
| SWSL   |        |        |       |       |      |   |      |       | SFSL                            |        |        | SWSL                            |      |      |   |   |   |             |        |        | SFSL                            |      |      |   |       |  |
| 0 t 80 t - 450 t                                   |        |        |       |       |      |   |      |       | 0 t 80 t - 450 t                |        |        | 0 t 80 t - 450 t                |      |      |   |   |   |             |        |        | 0 t 80 t - 450 t                |      |      |   |       |  |
| 87°/85° 87°/85° 75° 65° 55° 45°                    |        |        |       |       |      |   |      |       | 87°/85° 87°/85° 75° 65° 55° 45° |        |        | 87°/85° 87°/85° 75° 65° 55° 45° |      |      |   |   |   |             |        |        | 87°/85° 87°/85° 75° 65° 55° 45° |      |      |   |       |  |
| m  | t      | t      | t     | t     | t    | t | t    | t     | m                               | t      | t      | t                               | t    | t    | t | t | t | m           | t      | t      | t                               | t    | t    | t | t     |  |
| 24   | 143,0* | 154,5* | -     | -     | -    | - | -    | -     | 26                              | 118,5* | 124,5* | -                               | -    | -    | - | - | - | 26          | 118,5* | 124,5* | -                               | -    | -    | - | -     |  |
| 26   | 135,5* | 153,0* | -     | -     | -    | - | -    | -     | 28                              | 115,0* | 123,5* | -                               | -    | -    | - | - | - | 28          | 115,0* | 123,5* | -                               | -    | -    | - | -     |  |
| 28   | 126,5* | 151,5* | -     | -     | -    | - | -    | -     | 30                              | 110,0* | 122,5* | -                               | -    | -    | - | - | - | 30          | 110,0* | 122,5* | -                               | -    | -    | - | -     |  |
| 30   | 118,5* | 156,5  | -     | -     | -    | - | -    | 150,0 | 32                              | 103,5* | 125,5  | -                               | -    | -    | - | - | - | 32          | 103,5* | 125,5  | -                               | -    | -    | - | -     |  |
| 34   | 105,0* | 153,5  | -     | -     | -    | - | -    | 150,0 | 34                              | 97,0*  | 125,0  | -                               | -    | -    | - | - | - | 34          | 97,0*  | 125,0  | -                               | -    | -    | - | 121,0 |  |
| 38   | 93,9*  | 150,0  | -     | -     | -    | - | -    | 150,0 | 38                              | 86,3*  | 123,5  | -                               | -    | -    | - | - | - | 38          | 86,3*  | 123,5  | -                               | -    | -    | - | 121,0 |  |
| 42   | 84,4*  | 145,5  | -     | -     | -    | - | -    | 150,0 | 42                              | 77,3*  | 121,0  | -                               | -    | -    | - | - | - | 42          | 77,3*  | 121,0  | -                               | -    | -    | - | 121,0 |  |
| 46   | 76,3*  | 141,5  | -     | -     | -    | - | -    | 150,0 | 46                              | 69,6*  | 118,5  | -                               | -    | -    | - | - | - | 46          | 69,6*  | 118,5  | -                               | -    | -    | - | 121,0 |  |
| 50   | 69,4*  | 137,0  | -     | -     | -    | - | -    | 150,0 | 50                              | 62,9*  | 115,0  | -                               | -    | -    | - | - | - | 50          | 62,9*  | 115,0  | -                               | -    | -    | - | 121,0 |  |
| 54   | 63,4*  | 133,0  | -     | -     | -    | - | -    | 148,0 | 54                              | 57,1*  | 112,0  | -                               | -    | -    | - | - | - | 54          | 57,1*  | 112,0  | -                               | -    | -    | - | 121,0 |  |
| 58   | 57,4*  | 129,0  | 152,5 | -     | -    | - | -    | 146,0 | 58                              | 52,0*  | 109,0  | -                               | -    | -    | - | - | - | 58          | 52,0*  | 109,0  | -                               | -    | -    | - | 121,0 |  |
| 62   | 51,2*  | 125,5  | 150,5 | -     | -    | - | -    | 140,0 | 62                              | 47,3*  | 106,0  | 121,0                           | -    | -    | - | - | - | 62          | 47,3*  | 106,0  | 121,0                           | -    | -    | - | 119,0 |  |
| 66   | 39,8   | 121,5  | 148,0 | -     | -    | - | -    | 136,0 | 66                              | 42,1*  | 103,5  | 121,0                           | -    | -    | - | - | - | 66          | 42,1*  | 103,5  | 121,0                           | -    | -    | - | 116,0 |  |
| 70   | -      | -      | 143,5 | -     | -    | - | -    | 132,0 | 70                              | 37,5*  | 100,5  | 119,5                           | -    | -    | - | - | - | 70          | 37,5*  | 100,5  | 119,5                           | -    | -    | - | 111,0 |  |
| 74   | -      | -      | 140,5 | -     | -    | - | -    | 127,0 | 74                              | 33,4*  | 97,9   | 118,0                           | -    | -    | - | - | - | 74          | 33,4*  | 97,9   | 118,0                           | -    | -    | - | 108,0 |  |
| 78   | -      | -      | 135,0 | -     | -    | - | -    | 116,0 | 78                              | 24,5   | 95,2   | 115,5                           | -    | -    | - | - | - | 78          | 24,5   | 95,2   | 115,5                           | -    | -    | - | 105,0 |  |
| 82   | -      | -      | 127,0 | 108,5 | -    | - | -    | 106,0 | 82                              | -      | -      | 112,5                           | -    | -    | - | - | - | 82          | -      | -      | 112,5                           | -    | -    | - | 103,0 |  |
| 86   | -      | -      | -     | 102,0 | -    | - | -    | 97,0  | 86                              | -      | -      | 110,5                           | -    | -    | - | - | - | 86          | -      | -      | 110,5                           | -    | -    | - | 98,5  |  |
| 90   | -      | -      | -     | 96,8  | -    | - | -    | 89,0  | 90                              | -      | -      | 108,5                           | 92,3 | -    | - | - | - | 90          | -      | -      | 108,5                           | 92,3 | -    | - | 90,0  |  |
| 94   | -      | -      | -     | 91,6  | -    | - | -    | 81,0  | 94                              | -      | -      | 102,5                           | 87,2 | -    | - | - | - | 94          | -      | -      | 102,5                           | 87,2 | -    | - | 82,5  |  |
| 98   | -      | -      | -     | 86,9  | -    | - | -    | 74,0  | 98                              | -      | -      | -                               | 82,5 | -    | - | - | - | 98          | -      | -      | -                               | 82,5 | -    | - | 75,0  |  |
| 102  | -      | -      | -     | -     | 68,0 | - | -    | 67,5  | 102                             | -      | -      | -                               | 78,2 | -    | - | - | - | 102         | -      | -      | -                               | 78,2 | -    | - | 68,5  |  |
| 106  | -      | -      | -     | -     | 64,5 | - | -    | 61,5  | 106                             | -      | -      | -                               | 74,2 | -    | - | - | - | 106         | -      | -      | -                               | 74,2 | -    | - | 62,5  |  |
| 110  | -      | -      | -     | -     | 61,3 | - | -    | 55,5  | 110                             | -      | -      | -                               | 70,6 | -    | - | - | - | 110         | -      | -      | -                               | 70,6 | -    | - | 56,5  |  |
| 114  | -      | -      | -     | -     | 58,0 | - | -    | 48,9  | 114                             | -      | -      | -                               | -    | 52,6 | - | - | - | 114         | -      | -      | -                               | -    | 52,6 | - | 51,5  |  |
| 118  | -      | -      | -     | -     | -    | - | -    | 42,2  | 118                             | -      | -      | -                               | -    | 49,5 | - | - | - | 118         | -      | -      | -                               | -    | 49,5 | - | 45,6  |  |
| 122  | -      | -      | -     | -     | -    | - | 35,1 | 35,8  | 122                             | -      | -      | -                               | -    | 46,6 | - | - | - | 122         | -      | -      | -                               | -    | 46,6 | - | 39,6  |  |
| 126  | -      | -      | -     | -     | -    | - | 32,9 | 29,5  | 126                             | -      | -      | -                               | -    | 43,9 | - | - | - | 126         | -      | -      | -                               | -    | 43,9 | - | 33,7  |  |
| 130  | -      | -      | -     | -     | -    | - | -    | 26,3  | 130                             | -      | -      | -                               | -    | -    | - | - | - | 130         | -      | -      | -                               | -    | -    | - | 28,1  |  |
| 134  | -      | -      | -     | -     | -    | - | -    | 20,7  | 134                             | -      | -      | -                               | -    | -    | - | - | - | 134         | -      | -      | -                               | -    | -    | - | 24,5  |  |
| 138  | -      | -      | -     | -     | -    | - | -    | 14,9  | 138                             | -      | -      | -                               | -    | -    | - | - | - | 138         | -      | -      | -                               | -    | -    | - | 22,7  |  |
| 142  | -      | -      | -     | -     | -    | - | -    | 9,1   | 142                             | -      | -      | -                               | -    | -    | - | - | - | 142         | -      | -      | -                               | -    | -    | - | 14,9  |  |
| 146  | -      | -      | -     | -     | -    | - | -    | -     | 146                             | -      | -      | -                               | -    | -    | - | - | - | 146         | -      | -      | -                               | -    | -    | - | 9,9   |  |

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° ·  
 Ángulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 ·  
 Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung  
 IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les  
 positions intermédiaires de la flèche · Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono  
 calcolate dal sistema di controllo della gru IC-1 · Ángulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma  
 intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°; as capacidades para  
 posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы  
 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + 0-80 t |       | 15-24 m      |      | 9,60 m |      | 9.8 m/s     |   | 360° |       | ISO          |      |         |      |         |   |     |   |     |   |     |     |     |   |
|--------------------|-------|--------------|------|--------|------|-------------|---|------|-------|--------------|------|---------|------|---------|---|-----|---|-----|---|-----|-----|-----|---|
| 96 m + 84 m        |       |              |      |        |      | 96 m + 96 m |   |      |       |              |      |         |      |         |   |     |   |     |   |     |     |     |   |
| SWSL               |       |              |      |        |      | SWSL        |   |      |       |              |      |         |      |         |   |     |   |     |   |     |     |     |   |
| SFSL               |       |              |      |        |      | SFSL        |   |      |       |              |      |         |      |         |   |     |   |     |   |     |     |     |   |
| 0 t                |       | 80 t - 450 t |      |        |      |             |   | 0 t  |       | 80 t - 450 t |      |         |      |         |   |     |   |     |   |     |     |     |   |
| 87°/85°            |       | 87°/85°      |      | 75°    |      | 65°         |   | 55°  |       | 45°          |      | 87°/85° |      | 87°/85° |   | 75° |   | 65° |   | 55° |     | 45° |   |
| m                  | t     | t            | t    | t      | t    | t           | t | m    | t     | t            | t    | t       | t    | t       | t | t   | t | t   | t | t   | t   | t   |   |
| 30                 | 96,6* | 99,9*        | -    | -      | -    | -           | - | 32   | 74,9* | 77,7*        | -    | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 34                 | 90,8* | 98,4*        | -    | -      | -    | -           | - | 34   | 74,9* | 77,4*        | -    | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 36                 | 85,7* | 100,5        | -    | -      | -    | -           | - | 38   | 72,3* | 77,6         | -    | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 38                 | 80,6* | 100,5        | -    | -      | -    | -           | - | 42   | 66,4* | 77,2         | -    | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 42                 | 71,9* | 99,2         | -    | -      | -    | -           | - | 46   | 59,3* | 76,4         | -    | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 46                 | 64,5* | 97,7         | -    | -      | -    | -           | - | 50   | 53,2* | 75,4         | -    | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 50                 | 58,2* | 95,9         | -    | -      | -    | -           | - | 54   | 47,8* | 74,2         | -    | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 54                 | 52,5* | 93,9         | -    | -      | -    | -           | - | 58   | 43,0* | 72,8         | -    | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 58                 | 47,6* | 91,7         | -    | -      | -    | -           | - | 62   | 38,7* | 71,3         | -    | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 62                 | 43,2* | 89,6         | -    | -      | -    | -           | - | 66   | 35,0* | 69,9         | -    | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 66                 | 39,3* | 87,4         | 96,5 | -      | -    | -           | - | 70   | 31,5* | 68,4         | 72,1 | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 70                 | 35,5* | 85,4         | 96,5 | -      | -    | -           | - | 74   | 28,4* | 66,9         | 72,1 | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 74                 | 31,4* | 83,3         | 95,9 | -      | -    | -           | - | 78   | 25,5* | 65,5         | 72,1 | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 78                 | 27,8* | 81,3         | 95,7 | -      | -    | -           | - | 82   | 22,2* | 64,1         | 72,1 | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 82                 | 24,5* | 79,2         | 94,0 | -      | -    | -           | - | 86   | 19,3* | 62,7         | 71,6 | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 86                 | 21,5* | 77,2         | 93,1 | -      | -    | -           | - | 90   | 16,6* | 61,3         | 71,2 | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 90                 | 14,2  | 75,1         | 92,2 | -      | -    | -           | - | 94   | 14,1* | 59,9         | 70,9 | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 94                 | -     | -            | 89,6 | 82,7   | -    | -           | - | 98   | 11,8* | 58,4         | 70,0 | -       | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 98                 | -     | -            | 88,1 | 79,1   | -    | -           | - | 102  | 5,5   | 57,0         | 69,2 | 61,5    | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 102                | -     | -            | 86,6 | 74,8   | -    | -           | - | 106  | -     | -            | 68,4 | 61,5    | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 106                | -     | -            | 85,1 | 70,9   | -    | -           | - | 110  | -     | -            | 67,6 | 61,5    | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 110                | -     | -            | -    | 67,2   | -    | -           | - | 114  | -     | -            | 65,8 | 60,5    | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 114                | -     | -            | -    | 63,8   | -    | -           | - | 118  | -     | -            | 65,0 | 57,4    | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 118                | -     | -            | -    | 60,7   | -    | -           | - | 122  | -     | -            | -    | 54,5    | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 122                | -     | -            | -    | 57,8   | 43,0 | -           | - | 126  | -     | -            | -    | 51,7    | -    | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 126                | -     | -            | -    | -      | 40,4 | -           | - | 130  | -     | -            | -    | 49,1    | 34,3 | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 130                | -     | -            | -    | -      | 37,9 | -           | - | 134  | -     | -            | -    | 46,7    | 32,0 | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 134                | -     | -            | -    | -      | 35,6 | -           | - | 138  | -     | -            | -    | -       | 29,9 | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 138                | -     | -            | -    | -      | 33,4 | -           | - | 142  | -     | -            | -    | -       | 27,9 | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 142                | -     | -            | -    | -      | -    | 17,2        | - | 146  | -     | -            | -    | -       | 25,9 | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 146                | -     | -            | -    | -      | -    | 15,7        | - | 150  | -     | -            | -    | -       | 24,1 | -       | - | -   | - | -   | - | -   | -   | -   | - |
| 150                | -     | -            | -    | -      | -    | 14,3        | - | 154  | -     | -            | -    | -       | -    | -       | - | -   | - | -   | - | -   | 9,1 | 8,7 | - |
| 154                | -     | -            | -    | -      | -    | -           | - | 158  | -     | -            | -    | -       | -    | -       | - | -   | - | -   | - | -   | 7,8 | 5,5 | - |
|                    |       |              |      |        |      |             |   | 162  | -     | -            | -    | -       | -    | -       | - | -   | - | -   | - | -   | 6,6 | -   | - |

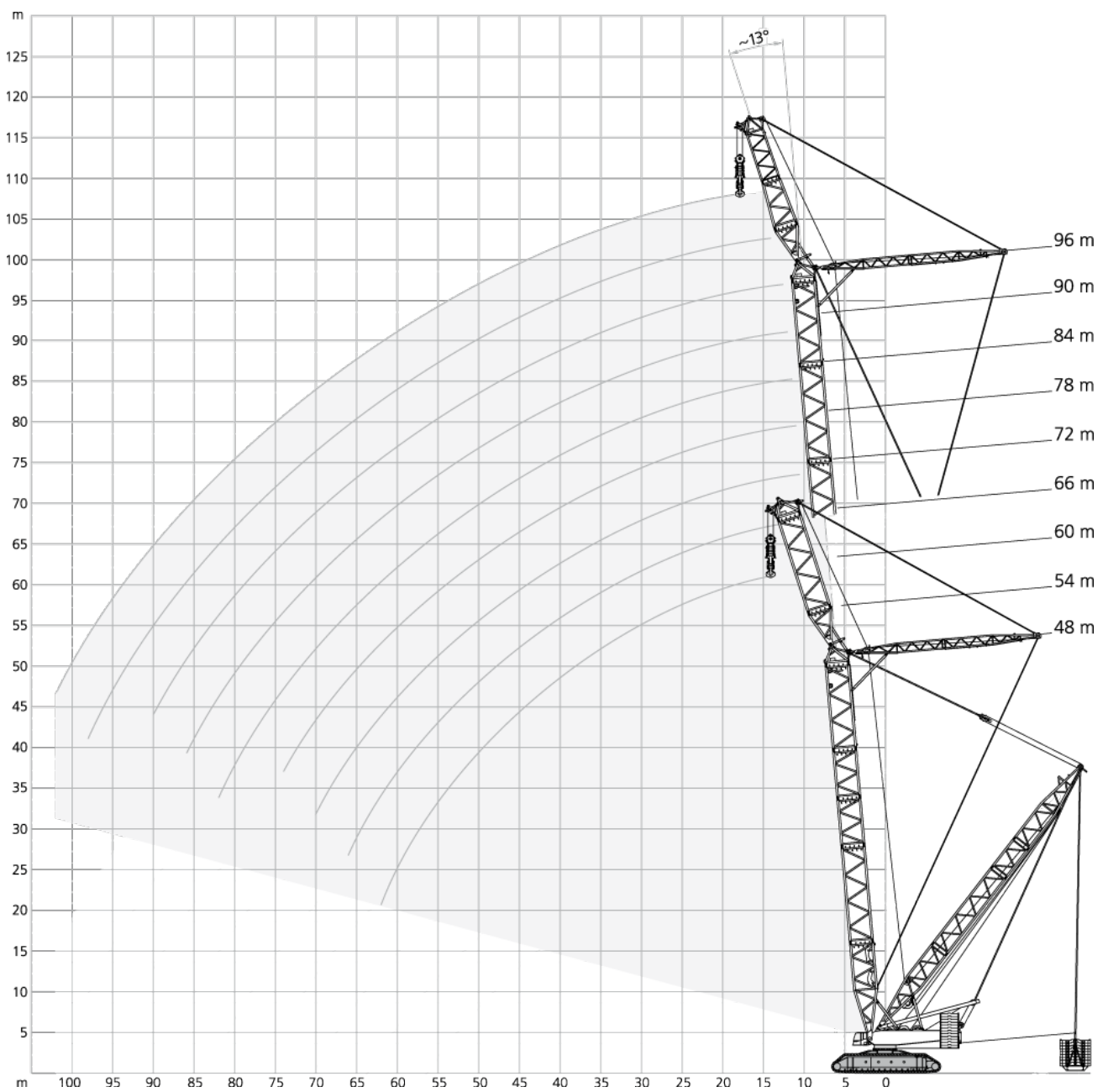
\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinazione braccio base 87° · Ángulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 · Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche · Inclinazione braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1 · Ángulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°, as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1

| 170-250 t + |       | 0-80 t       |      | 15-24 m |      | 9,60 m |   | 9.8 m/s |   | 360° |   | ISO |  |
|-------------|-------|--------------|------|---------|------|--------|---|---------|---|------|---|-----|--|
| 96 m +      |       | 108 m        |      | SWSL    |      |        |   |         |   | SFSL |   |     |  |
| 0 t         |       | 80 t - 450 t |      |         |      |        |   |         |   |      |   |     |  |
| 87°/85°     |       | 87°/85°      |      | 75°     |      | 65°    |   | 55°     |   | 45°  |   |     |  |
| m           | t     | t            | t    | t       | t    | t      | t | t       | t | t    | t |     |  |
| 34          | 56,8* | 59,4*        | -    | -       | -    | -      | - | -       | - | -    | - |     |  |
| 38          | 56,8* | 58,9*        | -    | -       | -    | -      | - | -       | - | -    | - |     |  |
| 42          | 56,3* | 58,9         | -    | -       | -    | -      | - | -       | - | -    | - |     |  |
| 46          | 53,4* | 58,6         | -    | -       | -    | -      | - | -       | - | 57,0 | - |     |  |
| 50          | 48,3* | 57,9         | -    | -       | -    | -      | - | -       | - | 57,0 | - |     |  |
| 54          | 43,2* | 57,1         | -    | -       | -    | -      | - | -       | - | 57,0 | - |     |  |
| 58          | 38,5* | 56,3         | -    | -       | -    | -      | - | -       | - | 57,0 | - |     |  |
| 62          | 34,5* | 55,4         | -    | -       | -    | -      | - | -       | - | 57,0 | - |     |  |
| 66          | 30,7* | 54,4         | -    | -       | -    | -      | - | -       | - | 56,5 | - |     |  |
| 70          | 27,5* | 53,4         | -    | -       | -    | -      | - | -       | - | 56,0 | - |     |  |
| 74          | 24,4* | 52,3         | -    | -       | -    | -      | - | -       | - | 55,5 | - |     |  |
| 78          | 21,7* | 51,3         | 53,1 | -       | -    | -      | - | -       | - | 55,0 | - |     |  |
| 82          | 19,2* | 50,3         | 53,1 | -       | -    | -      | - | -       | - | 54,0 | - |     |  |
| 86          | 16,9* | 49,3         | 53,1 | -       | -    | -      | - | -       | - | 52,5 | - |     |  |
| 90          | 14,5* | 48,2         | 53,1 | -       | -    | -      | - | -       | - | 51,0 | - |     |  |
| 94          | 12,0* | 47,2         | 53,0 | -       | -    | -      | - | -       | - | 50,5 | - |     |  |
| 98          | 9,7*  | 46,2         | 53,0 | -       | -    | -      | - | -       | - | 49,6 | - |     |  |
| 102         | 7,6*  | 45,2         | 52,6 | -       | -    | -      | - | -       | - | 48,8 | - |     |  |
| 106         | 5,7*  | 44,1         | 52,5 | -       | -    | -      | - | -       | - | 48,0 | - |     |  |
| 110         | -     | 43,1         | 52,4 | 44,5    | -    | -      | - | -       | - | 47,2 | - |     |  |
| 114         | -     | 42,1         | 52,2 | 44,5    | -    | -      | - | -       | - | 46,4 | - |     |  |
| 118         | -     | -            | 51,3 | 44,5    | -    | -      | - | -       | - | 45,6 | - |     |  |
| 122         | -     | -            | 51,0 | 44,1    | -    | -      | - | -       | - | 44,7 | - |     |  |
| 126         | -     | -            | 50,8 | 44,1    | -    | -      | - | -       | - | 40,9 | - |     |  |
| 130         | -     | -            | 50,5 | 44,1    | -    | -      | - | -       | - | 36,7 | - |     |  |
| 134         | -     | -            | -    | 43,7    | -    | -      | - | -       | - | 32,9 | - |     |  |
| 138         | -     | -            | -    | 41,4    | 26,5 | -      | - | -       | - | 28,2 | - |     |  |
| 142         | -     | -            | -    | 39,1    | 24,5 | -      | - | -       | - | 23,7 | - |     |  |
| 146         | -     | -            | -    | 36,8    | 22,6 | -      | - | -       | - | 19,4 | - |     |  |
| 150         | -     | -            | -    | -       | 20,8 | -      | - | -       | - | 15,2 | - |     |  |
| 154         | -     | -            | -    | -       | 19,1 | -      | - | -       | - | 11,2 | - |     |  |
| 158         | -     | -            | -    | -       | 17,5 | -      | - | -       | - | 7,2  | - |     |  |
| 162         | -     | -            | -    | -       | 15,9 | -      | - | -       | - | -    | - |     |  |

\* Main boom angle 87° · Hauptauslegerwinkel 87° · Jarret de flèche principale 87° · Inclinação braccio base 87° · Ángulo de pluma principal 87° · Ângulo da lança principal 87° · Угол подъема гл. стрелы 87°

Main boom angle 87°, 85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1 · Hauptauslegerwinkel 87°, 85°, 75°, 65°, 55° und 45°, Traglasten für Zwischenstellungen des Hauptauslegers werden von der Kransteuerung IC-1 berechnet · Jarret de flèche principale 87°, 85°, 75°, 65°, 55° et 45°, le système de commande de la grue IC-1 calcule les charges pour les positions intermédiaires de la flèche · Inclinação braccio base 87°, 85°, 75°, 65°, 55° e 45°, capacità per posizioni intermedie del braccio sono calcolate dal sistema di controllo della gru IC-1 · Ángulo de pluma principal 87°, 85°, 75°, 65°, 55° y 45° las capacidades para posiciones de pluma intermedias son calculadas por el sistema de control de grúa IC-1 · Ângulos da lança principal 87°, 85°, 75°, 65°, 55° e 45°; as capacidades para posições da lança intermediária são calculadas pelo sistema de controle da grua IC-1 · Грузоподъемность при углах подъема главной стрелы 87°, 85°, 75°, 65°, 55° и 45°, грузоподъемность в промежуточных положениях стрелы рассчитывается системой управления краном IC-1





| 170-250 t + 0-80 t 15-24 m 18 m 13° 9,60 m 9.8 m/s 360° ISO |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   |      |     |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|------|-----|
| 48 m  |       | 54 m  |       | 60 m  |       | 66 m  |       | 72 m  |       | 78 m  |       | 84 m  |       | 90 m  |   | 96 m |     |
| LFVL  |       | SFVL  |       | LFVL  |       | SFVL  |       | LFVL  |       | SFVL  |       | LFVL  |       | SFVL  |   | LFVL |     |
| m   | t     | t     | t     | t     | t     | t     | t     | t     | t     | t     | t     | t     | t     | t     | t | t    | m   |
| 14  | 506,0 | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | - | -    | 14  |
| 15  | 506,0 | 752,0 | 506,0 | 679,0 | 506,0 | -     | -     | -     | -     | -     | -     | -     | -     | -     | - | -    | 15  |
| 16  | 506,0 | 743,0 | 506,0 | 679,0 | 506,0 | 620,0 | 506,0 | 561,0 | 506,0 | -     | -     | -     | -     | -     | - | -    | 16  |
| 17  | 506,0 | 726,0 | 506,0 | 671,0 | 506,0 | 612,0 | 506,0 | 561,0 | 506,0 | 504,0 | 458,0 | 412,0 | -     | -     | - | -    | 17  |
| 18  | 506,0 | 702,0 | 506,0 | 671,0 | 506,0 | 612,0 | 506,0 | 561,0 | 506,0 | 504,0 | 458,0 | 412,0 | 371,0 | -     | - | -    | 18  |
| 19  | 506,0 | 679,0 | 506,0 | 661,0 | 506,0 | 603,0 | 506,0 | 552,0 | 506,0 | 504,0 | 458,0 | 412,0 | 371,0 | 333,0 | - | -    | 19  |
| 20  | 506,0 | 658,0 | 506,0 | 643,0 | 506,0 | 603,0 | 506,0 | 552,0 | 506,0 | 497,0 | 458,0 | 412,0 | 371,0 | 333,0 | - | -    | 20  |
| 22  | 506,0 | 609,0 | 506,0 | 605,0 | 506,0 | 595,0 | 506,0 | 543,0 | 506,0 | 495,0 | 458,0 | 412,0 | 371,0 | 333,0 | - | -    | 22  |
| 24  | 506,0 | 554,0 | 506,0 | 550,0 | 506,0 | 546,0 | 506,0 | 535,0 | 495,0 | 488,0 | 451,0 | 411,0 | 371,0 | 333,0 | - | -    | 24  |
| 26  | 501,0 | 507,0 | 504,0 | 503,0 | 501,0 | 499,0 | 506,0 | 495,0 | 487,0 | 480,0 | 444,0 | 405,0 | 371,0 | 333,0 | - | -    | 26  |
| 28  | 480,0 | 467,0 | 476,0 | 463,0 | 473,0 | 459,0 | 470,0 | 455,0 | 466,0 | 451,0 | 439,0 | 399,0 | 365,0 | 333,0 | - | -    | 28  |
| 30  | 444,0 | 432,0 | 441,0 | 428,0 | 437,0 | 423,0 | 434,0 | 420,0 | 431,0 | 415,0 | 427,0 | 395,0 | 360,0 | 328,0 | - | -    | 30  |
| 34  | 387,0 | 374,0 | 383,0 | 370,0 | 379,0 | 365,0 | 376,0 | 362,0 | 373,0 | 357,0 | 369,0 | 366,0 | 356,0 | 325,0 | - | -    | 34  |
| 38  | 341,0 | 328,0 | 337,0 | 324,0 | 333,0 | 320,0 | 330,0 | 316,0 | 326,0 | 311,0 | 323,0 | 319,0 | 316,0 | 312,0 | - | -    | 38  |
| 42  | 295,0 | 281,0 | 300,0 | 287,0 | 296,0 | 282,0 | 293,0 | 279,0 | 289,0 | 274,0 | 286,0 | 282,0 | 279,0 | 275,0 | - | -    | 42  |
| 46  | 253,0 | 240,0 | 269,0 | 256,0 | 265,0 | 252,0 | 262,0 | 248,0 | 258,0 | 243,0 | 255,0 | 251,0 | 247,0 | 244,0 | - | -    | 46  |
| 50  | 220,0 | 211,0 | 235,0 | 221,0 | 239,0 | 226,0 | 236,0 | 222,0 | 232,0 | 217,0 | 229,0 | 225,0 | 221,0 | 218,0 | - | -    | 50  |
| 54  | 194,0 | 182,0 | 204,0 | 190,0 | 216,0 | 201,0 | 213,0 | 200,0 | 210,0 | 195,0 | 206,0 | 202,0 | 199,0 | 195,0 | - | -    | 54  |
| 58  | 165,0 | 154,0 | 178,0 | 169,0 | 188,0 | 174,0 | 193,0 | 180,0 | 190,0 | 177,0 | 187,0 | 183,0 | 180,0 | 176,0 | - | -    | 58  |
| 62  | 146,0 | 135,0 | 158,0 | 146,0 | 164,0 | 150,0 | 171,0 | 157,0 | 173,0 | 160,0 | 170,0 | 167,0 | 163,0 | 159,0 | - | -    | 62  |
| 66  | -     | -     | 134,0 | 123,0 | 146,0 | 136,0 | 150,0 | 136,0 | 156,0 | 141,0 | 156,0 | 152,0 | 148,0 | 144,0 | - | -    | 66  |
| 70  | -     | -     | -     | -     | 127,0 | 115,0 | 132,0 | 122,0 | 137,0 | 122,0 | 141,0 | 139,0 | 135,0 | 131,0 | - | -    | 70  |
| 74  | -     | -     | -     | -     | -     | -     | 118,0 | 106,0 | 119,0 | 107,0 | 125,0 | 127,0 | 124,0 | 120,0 | - | -    | 74  |
| 78  | -     | -     | -     | -     | -     | -     | -     | -     | 108,0 | 96,5  | 109,0 | 112,0 | 113,0 | 110,0 | - | -    | 78  |
| 82  | -     | -     | -     | -     | -     | -     | -     | -     | 93,5  | 81,0  | 97,5  | 98,5  | 100,0 | 100,0 | - | -    | 82  |
| 86  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 86,5  | 86,5  | 88,0  | 88,5  | - | -    | 86  |
| 90  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 78,0  | 76,0  | 77,0  | - | -    | 90  |
| 94  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 69,5  | 66,5  | - | -    | 94  |
| 98  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 59,0  | 59,5  | - | -    | 98  |
| 102   | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 51,0  | - | -    | 102 |


0t
80t
160t
240t
320t
400t
450t

### Crawler carrier

|                            |  |
|----------------------------|--|
|                            | 3-section carrier comprising of carbody with folded outriggers for the transport and two crawlers. Hydraulic pin connections between crawlers and carbody provide for easy assembly and removal to minimise width and weight for transportation.   |
| <b>Center pot</b>          | Bending- and torsion-resistant welded structure fabricated from high-strength fine grain structural steel.   |
| <b>Crawler side frames</b> | Bending-resistant welded structure fabricated from high-strength fine grain structural steel. Centralized lubrication included as standard.  |
| <b>Crawlers</b>            | 15 track rollers with hardened rolling surfaces. Raised position for both drive sprockets and idler wheels, drive sprockets and idler wheels provide load bearing capacity for erection, adjustable track tension. Each crawler is infinitely variable controlled, both independently and in opposite direction.   |
| <b>Power train</b>         | The tracks are powered by two hydraulic motors each through closed planetary gear units running in oil bath, equipped with spring-applied hydraulically released holding brakes. The gear units are of extremely compact design to fit within the width of the crawlers. Each crawler is infinitely variable controlled, both independently and in opposite direction. Quadro-Drive as standard. |
| <b>Central ballast</b>     | 80 t.  |

### Superstructure

|                             |   |
|-----------------------------|---|
| <b>Counterweight</b>        | 250 t.  |
| <b>Frame</b>                | Bending- and torsion-resistant welded structure fabricated from high-strength fine grain structural steel.  |
| <b>Drive</b>                | Two redundant operating water-cooled 6-cylinder MTU diesel engine type 6 R 1100, 2 x 320 kW (429 HP) at 1800 1/min, torque 2100 Nm at 1300 1/min. The engine complies with EUROMOT 4, Tier 4 final and CARB regulations. Fuel tank capacity: 1500 l.<br><b>Optional for non-regulated markets:</b> MTU diesel engine type OM 460 LA, 2 x 315 kW (428 HP) at 1800 1/min. The engine complies with EUROMOT 3b, Tier 4i and CARB regulations.  |
| <b>Rope drums</b>           | The standard superstructure equipment includes three rope drums – hoist 1, hoist 2 and boom hoist. The drums are powered by hydraulic motors through closed planetary gear units running in oil bath. All rope drums have spring-applied, hydraulically released multi-disk brakes and non-wearing hydraulic braking for load lowering. Rope ends H 1, 2, 3 and W 1, 2 equipped with quick-connect rope end fittings. Hoists H 1 and H 2 and A-frame with boom hoist are removable to minimise weight for transportation. |
| <b>A-frame</b>              | Cylinders on superstructure to raise A-frame are included as standard.  |
| <b>Slew units</b>           | Powered by four hydraulic motors through closed, planetary gear unit running in oil bath. Spring-applied, hydraulically released holding brake and non-wearing hydraulic braking.   |
| <b>Control system</b>       | IC-1: Electronic proportional valve pilot control integrated in stored-program control system incl. diagnostics. Two colour monitors, load indicator operated via a touchscreen. Working speeds infinitely variable controlled by the lever position. Automatic power control for optimal utilisation of engine output. Standard working range limitation, ground pressure indicator as well as outrigger loading indicator.  |
| <b>Cabin</b>                | Comfortable cab with large windscreen and air-conditioning. Laminated glass all around, roof window, self-contained hot air heater, full instrumentation and crane controls. The cab can be tilted back for improved operator view of boom point. A camera system is installed to monitor the rope drums. For transportation, the cab swings in front of the superstructure to minimise width.  |
| <b>Electrical equipment</b> | 24 V system (2 batteries 12 V / 180 Ah).  |
| <b>Quick-connection</b>     | Hydraulic quick-disconnect fittings on carrier and superstructure facilitate removal to minimise weight for transportation as standard.   |

### Optional equipment

|                                   |  |
|-----------------------------------|--|
| <b>Hydraulic cylinder A-frame</b> | For self-assembly of crawlers.                                     |
| <b>Sideways outriggers</b>        | For erection of long boom systems.                                 |
| <b>Counterweight carrier</b>      | Total weight max. 450 t, in combination with SL telescopic system. |
| <b>PC outriggers</b>              | Outrigger base 14 x 14 m. Alternatively to the crawlers.           |

Further options on request!

## Boom configurations S and L

|                                    |  |
|------------------------------------|--|
| <b>SH:</b>                         | Main boom: foot section 12 m, inserts 6 m, 10.5 m and 12 m (type 3328), boom head 1.5 m.<br>Main boom lengths: 36-96 m.  |
| <b>SH / LH:<br/>(SGL variable)</b> | Main boom: foot sections 12 m, inserts 6 m, 10.5 m and 12 m (type 3328), tapered insert, extended by inserts 6 m and 12 m (type 2822), top section 7.5 m.<br>Main boom lengths: 48-108 m.  |
| <b>LH:</b>                         | Main boom: foot section 12 m, insert 10.5 m (type 3328), tapered insert, extended by inserts 6 m and 12 m (type 2822), top section 7.5 m.<br>Main boom lengths: 48-114 m.  |
| <b>SW:</b>                         | Main boom: same as SH. Offset 87° to 65°.<br>Luffing fly jib: foot section 4.5 m, insert 12 m (type 3328), tapered insert, insert 6 m and inserts 12 m (type 2822), top section 7.5 m.<br>Main boom lengths: 42-60 m.<br>Fly jib lengths: 30-96 m. |
| <b>SSL:</b>                        | Main boom: same as SH.<br>Superlift equipment.<br>Main boom lengths: 42-96 m.  |
| <b>SSL / LSL:<br/>(SGL 94.5 m)</b> | Main boom: foot section 12 m, inserts 6 m, 10.5 m and 12 m (type 2822), tapered insert, extended by inserts 6 m and 12 m (type 2822), top section 7.5 m.<br>Superlift equipment.<br>Main boom lengths: 102-150 m.                                  |
| <b>SSL / LSL S1:</b>               | Main boom: same as SSL, extended by boom power-kit + jib top section.<br>Main boom lengths: 66-156 m.  |
| <b>SWSL / SFSL:</b>                | Main boom: same as SH. Offset 87° to 45°.<br>Luffing fly jib: same as SW.<br>Superlift equipment.<br>Main boom lengths: 48-96 m.<br>Fly jib lengths: 30-108 m.   |
| <b>SFVL:</b>                       | Main boom: same as SH.<br>Superlift equipment.<br>Fixed jib: foot section 4.5 m, insert 12 m (type 3328), additional SFVL-head included.<br>Main boom lengths: 48-72 m.<br>Fly jib length: 18 m.   |
| <b>LFVL:</b>                       | Main boom: same as SH.<br>Superlift equipment.<br>Fixed jib: foot section 4.5 m, tapered insert, top section 7.5 m.<br>Main boom lengths: 48-96 m.<br>Fly jib length: 18 m.  |
| <b>+LF:</b>                        | In addition to main boom configuration SH, SSL, SH/LH, SSL/LSL, SSL/LSL S1.<br>Fly jib lengths: 15 m, 21 m, 27 m, 33 m.<br>Fly jib offset: 15°, 20°, 30°.<br>Runner on LF max. 24 t as standard.   |
| <b>Pinning of boom</b>             | Hydraulic assisted pinning of boom sections is standard.   |
| <b>Reeving winch</b>               | Mounted on superstructure.   |
| <b>Operator aids</b>               | Electronic load indicator, hoist limit switch for boom movements, hydraulic boom backstops, anemometer.  |

## Optional equipment

|   |  |
|---|--|
| <b>Power-kit for main boom</b>              | Consisting of max. 3 additional boom sections (2 of main boom, 1 of jib); Standard main boom 96 m required.  |
| <b>Standard Superlift equipment</b>         | Mast 40.5 m (type 2322), counterweight tray for max. 450 t. Superlift radii 15 m, 18 m, 21 m, 24 m.  |
| <b>Variable Superlift equipment</b>         | Mast 40.5 m (type 2322), counterweight tray for max 450 t. Superlift radius infinitely variable during operation 15 to 24 m. Vertical cylinder and stabilising system for Superlift counterweight. |
| <b>Superlift with counterweight carrier</b> | Mast 40.5 m (type 2322), counterweight carrier for max. 450 t. Superlift radius infinitely variable during operation 18 to 24 m.   |
| <b>Add on SL radius</b>                     | 24-30 m (tray and carrier), only SSL, SSL/LSL and SSL/LSL S1.  |
| <b>Hoist H3</b>                             | Additional rope drum on main boom (for LF or runner operation). Line pull same as H1, rope length 700 m.   |
| <b>Runner 46 t</b>                          | Approx. 2 m for installation on boom head or top section.  |
| <b>Fall protection</b>                      | Fall protection system for main boom, fly jib and superlift mast.  |

## Raupenunterwagen

|                       |  |
|-----------------------|--|
|                       | Der Raupenunterwagen ist 3-teilig und besteht aus dem Mittelstück mit für den Transport angeklappten Stützträgern und zwei Raupen. Mittelstück und Raupen werden hydraulisch verbolzt und sind einfach demontierbar zum Erreichen günstiger Transportabmessungen und Gewichte.   |
| <b>Mittelstück</b>    | Biege- und verwindungssteife Schweißkonstruktion aus hochfestem Feinkornbaustahl.  |
| <b>Raupenträger</b>   | Biegesteife Schweißkonstruktion aus hochfestem Feinkornbaustahl. Serienmäßig mit Zentral-Schmierung ausgestattet.  |
| <b>Raupen</b>         | 15 Laufrollen je Raupenträger mit gehärteten Laufflächen. Jedes Laufwerk wird von Hydromotoren über geschlossene, ölbadgeschmierte Planetengetriebe angetrieben. Jede Seite ist stufenlos einzeln und gegenläufig steuerbar.   |
| <b>Antrieb</b>        | Die Raupen werden von je zwei Hydromotoren über geschlossene, ölbadgeschmierte Planetengetriebe mit federbelasteten, hydraulisch gelüfteten Haltebremsen angetrieben. Die Getriebe sind in besonders kompakter Bauform innerhalb der Raupenbreite angeordnet. Jede Seite ist stufenlos, einzeln und gegenläufig steuerbar. Quadro-Antrieb serienmäßig. |
| <b>Zentralballast</b> | 80 t.  |

## Oberwagen

|                           |   |
|---------------------------|---|
| <b>Gegengewicht</b>       | 250 t.  |
| <b>Rahmen</b>             | Biege- und verwindungssteife Schweißkonstruktion aus hochfestem Feinkornbaustahl.   |
| <b>Antrieb</b>            | Zwei redundant arbeitende wassergekühlte 6-Zylinder MTU Dieselmotoren Typ 6 R 1100, 2 x 320 kW (429 PS) bei 1800 1/min, Drehmoment 2100 Nm bei 1300 1/min. Der Motor erfüllt die EUROMOT 4, Tier 4 final und CARB-Vorschriften. Kraftstoffbehälter: 1500 l.<br><b>Optional für nicht-regulierte Märkte:</b> MTU Dieselmotor Typ OM 460 LA, 2 x 315 kW (428 PS) bei 1800 1/min. Der Motor erfüllt die EUROMOT 3b, Tier 4i und CARB-Vorschriften.   |
| <b>Seilwinden</b>         | Der Oberwagen ist serienmäßig mit drei Seilwinden – Hubwerk 1, Hubwerk 2 und Einziehwerk – ausgerüstet. Der Antrieb der Winden erfolgt durch Hydromotoren über geschlossene, ölbadgeschmierte Planetengetriebe. Alle Seilwinden sind mit federbelasteten, hydraulisch gelüfteten Lamellenbremsen und verschleißfreier, hydraulischer Bremsung für den Senkvorgang ausgerüstet. Die Seilenden H 1, 2, 3 und W 1, 2 sind mit Pressfitting und Taschen ausgestattet. Zur Reduzierung der Transportgewichte sind die Winden H 1 und H 2 sowie der A-Bock mit Einziehwerk ausbaubar. |
| <b>A-Bock</b>             | Hydraulikzylinder im Oberwagen für die Umlage des A-Bockes serienmäßig.   |
| <b>Drehwerk</b>           | Vier Drehwerke mit Antrieb durch Hydromotor über geschlossenes, ölbadgeschmiertes Planetengetriebe. Federbelastete, hydraulisch lüftbare Haltebremse und verschleißfreie hydraulische Bremse.   |
| <b>Steuerung</b>          | IC-1: Elektronische Proportionalventilvorsteuerung integriert in eine speicherprogrammierte Steuerung mit Fehlerdiagnose. Zwei Farbbildschirme, Bedienung über Touchscreen. Die Arbeitsgeschwindigkeiten werden durch die Hebelstellung stufenlos geregelt. Leistungsregelung der Antriebe zur optimalen Nutzung der Motorleistung. Serienmäßig Arbeitsbereichsbegrenzung und Anzeige der Bodenpressung bzw. Stützkräfte.   |
| <b>Kabine</b>             | Komfortkabine mit großem Frontfenster und Klimaanlage. Sicherheitsverglasung rundum, Dachfenster, motorunabhängige Warmluftheizung und Steuer- und Kontrollelemente für die Kranfunktionen. Die Kabine ist zur Sichtverbesserung nach hinten neigbar. Zur Überwachung der Winden im Oberwagen ist ein Kamerasystem installiert. Während des Transportes ist die Kabine vor den Oberwagen geschwenkt.  |
| <b>Elektrische Anlage</b> | Betriebsspannung 24 V (2 Batterien 12 V / 180 Ah).  |
| <b>Quick-connection</b>   | Hydraulische Schnellverbindung Unterwagen / Oberwagen zur Reduzierung der Transportgewichte serienmäßig.  |

## Zusatzausrüstung

|                                  |  |
|----------------------------------|--|
| <b>Zylinder am A-Bock</b>        | Zur Raupenträger-Selbstmontage.  |
| <b>Zusatzabstützung seitlich</b> | Zum Aufrichten langer Auslegersysteme.                                     |
| <b>Gegengewichtswagen</b>        | Zulässiges Gesamtgewicht 450 t, in Verbindung mit Teleskop-SL-Einrichtung. |
| <b>PC-Stützen</b>                | Stützbasis 14 x 14 m. Zur Verwendung alternativ zu den Raupen.             |

Weitere Zusatzausrüstungen auf Anfrage!

## Auslegervarianten S und L

|                                    |  |
|------------------------------------|--|
| <b>SH:</b>                         | Hauptausleger: Fußstück 12 m, Zwischenstücke 6 m, 10,5 m und 12 m (Typ 3328), Anschlusskopf 1,5 m.<br>Hauptauslegerlängen: 36-96 m.  |
| <b>SH / LH:<br/>(SGL variabel)</b> | Hauptausleger: Fußstück 12 m, Zwischenstücke 6 m, 10,5 m und 12 m (Typ 3328), Reduzierstück, verlängert um Zwischenstücke 6 m und 12 m (Typ 2822), Spitze 7,5 m.<br>Hauptauslegerlängen: 48-108 m.   |
| <b>LH:</b>                         | Hauptausleger: Fußstück 12 m, Zwischenstück 10,5 m (Typ 3328), Reduzierstück, verlängert um Zwischenstücke 6 m und 12 m (Typ 2822), Spitze 7,5 m.<br>Hauptauslegerlängen: 48-114 m.  |
| <b>SW:</b>                         | Hauptausleger: wie SH. Vorneigung 87° bis 65°.<br>Wippbarer Hilfsausleger: Fußstück 4,5 m, Zwischenstück 12 m (Typ 3328), Reduzierstück, Zwischenstück 6 m und Zwischenstücke 12 m (Typ 2822), Spitze 7,5 m.<br>Hauptauslegerlängen: 42-60 m.<br>Hilfsauslegerlängen: 30-96 m. |
| <b>SSL:</b>                        | Hauptausleger: wie SH.<br>Superlift-Einrichtung.<br>Hauptauslegerlängen: 42-96 m.  |
| <b>SSL / LSL:<br/>(SGL 94,5 m)</b> | Hauptausleger: Fußstück 12 m, Zwischenstücke 6 m, 10,5 m und 12 m (Typ 2822), Reduzierstück, verlängert um Zwischenstücke 6 m und 12 m (Typ 2822), Spitze 7,5 m.<br>Superlift-Einrichtung.<br>Hauptauslegerlängen: 102-150 m.  |
| <b>SSL / LSL S1:</b>               | Hauptausleger wie SSL, erweitert mit Verstärkungs-Kit + Hilfsauslegerspitze.<br>Hauptauslegerlängen: 66-156 m.   |
| <b>SWSL / SFSL:</b>                | Hauptausleger: wie SH. Vorneigung 87° bis 45°.<br>Wippbarer Hilfsausleger: wie SW.<br>Superlift-Einrichtung.<br>Hauptauslegerlängen: 48-96 m.<br>Hilfsauslegerlängen: 30-108 m.  |
| <b>SFVL:</b>                       | Hauptausleger: wie SH.<br>Superlift-Einrichtung.<br>Starrer Hilfsausleger: Fußstück 4,5 m, Zwischenstück 12 m (Typ 3328), mit zusätzlichem SFVL-Kopf.<br>Hauptauslegerlängen: 48-72 m.<br>Hilfsauslegerlänge: 18 m.  |
| <b>LFVL:</b>                       | Hauptausleger: wie SH.<br>Superlift-Einrichtung.<br>Starrer Hilfsausleger: Fußstück 4,5 m, Reduzierstück, Spitze 7,5 m.<br>Hauptauslegerlängen: 48-96 m.<br>Hilfsauslegerlänge: 18 m.  |
| <b>+LF:</b>                        | Zusätzlich zu Hauptausleger SH, SSL, SH/LH, SSL/LSL, SSL/LSL S1.<br>Hilfsauslegerlängen: 15 m, 21 m, 27 m, 33 m.<br>Hilfsauslegerwinkel: 15°, 20°, 30°.<br>Serienmäßig Runner am LF max. 24 t.   |
| <b>Auslegerverbolzung</b>          | Serienmäßig hydraulisch verbolzbare Auslegerteile.   |
| <b>Einscherwinde</b>               | Auf Oberwagen angebaut.  |
| <b>Sicherheitseinrichtungen</b>    | Elektronischer Lastmomentbegrenzer, Hubendschalter, Endschalter für Auslegerbewegungen, hydraulische Ausleger-Rückfallsicherungen, Windmesser.   |

## Zusatzausrüstung

|   |  |
|---|--|
| <b>Verstärkungs-Kit für Hauptausleger</b> | Bestehend aus max. 3 zusätzlichen Auslegerteilen (2 aus Hauptausleger, 1 aus Hilfsausleger); Standardhauptausleger 96 m erforderlich.  |
| <b>Superlift-Einrichtung Standard</b>     | Mast 40,5 m (Typ 2322), Gegengewichtstraverse mit max. 450 t. Superlift-Radien 15 m, 18 m, 21 m, 24 m.   |
| <b>Superlift-Einrichtung Variabel</b>     | Mast 40,5 m (Typ 2322), Gegengewichtstraverse mit max. 450 t. Superlift-Radius stufenlos von 15 bis 24 m im Betrieb verstellbar. Vertikalzylinder und Stabilisierungswinde für Superlift-Gegengewicht. |
| <b>Superlift mit Gegengewichtswagen</b>   | Mast 40,5 m (Typ 2322), Gegengewichtswagen mit max. 450 t. Superlift-Radius stufenlos von 18 bis 24 m im Betrieb verstellbar.  |
| <b>Zusätzlicher SL-Radius</b>             | 24-30 m (Traverse und Gegengewichtswagen), nur SSL, SSL/LSL und SSL/LSL S1.  |
| <b>Seilwinde H3</b>                       | Zusätzliche Seilwinde im Hauptausleger (zum Betrieb mit LF oder Runner). Seilzug wie H1, Seillänge 700 m.  |
| <b>Runner 46 t</b>                        | Ca. 2 m zum Anbau an Kopf oder Spitze.   |
| <b>Absturzsicherung</b>                   | Absturzsicherung für Hauptausleger, Hilfsausleger, Superliftmast.  |

## Châssis à chenilles

Le châssis à chenilles consiste en trois parties – deux chenilles et la partie centrale avec les stabilisateurs plié pour le transport. Les chenilles et la partie centrale sont verrouillées hydrauliquement facilitant ainsi le montage et démontage pour diminuer la largeur d'encombrement et le poids de transport.

|                           |   |
|---------------------------|---|
| <b>Partie centrale</b>    | Structure mécano-soudée rigide à la flexion et à la torsion, réalisée en acier de construction à grains fins à haute résistance.  |
| <b>Trains de chenille</b> | Structure mécano-soudée rigide à la flexion, réalisée en acier de construction à grains fins à haute résistance. Graissage centralisé automatique inclus de série.  |
| <b>Chenilles</b>          | Chaque trains de chenille est équipée de 15 galets d'appui dont les surfaces de roulement sont trempées. Chaque barbotin est entraîné par moteurs hydrauliques avec réducteurs planétaires en carter étanche sous bain d'huile. Chaque côté permet un mouvement réglable sans paliers individuel et dans le sens opposé.  |
| <b>Entraînement</b>       | Les barbotins sont entraînés par deux moteurs hydrauliques de chaque côté muni de réducteurs planétaires, sous bain d'huile, en carter étanche, avec freins d'arrêt à commande par ressorts, desserrés hydrauliquement. Grâce à leur compacité extrême, les réducteurs s'intègrent complètement dans la largeur de chenilles. Chaque chenille permet un mouvement individuel et opposé. Entraînement quadro en série. |
| <b>Lest central</b>       | 80 t.   |

## Partie supérieure

|                                |   |
|--------------------------------|---|
| <b>Contrepoids</b>             | 250 t.  |
| <b>Charpente</b>               | Construction mécano-soudée, rigide à la flexion et à la torsion en acier de construction de haute résistance à grains fins.   |
| <b>Moteur et transmission</b>  | Deux moteurs diesel MTU, type 6 R 1100, 6 cylindres, en action avec redondance intégrée et refroidi par eau, 2 x 320 kW (429 CV) à 1800 1/min, couple de 2100 Nm à 1300 1/min. Le moteur satisfait aux règlements EUROMOT 4, Tier 4 final et CARB. Réservoir de carburant : 1500 l.<br><b>En option pour les marchés non-régulés :</b> Moteur diesel MTU type OM 460 LA, 2 x 315 kW (428 CV) à 1800 1/min. Le moteur satisfait aux règlements EUROMOT 3b, Tier 4i et CARB.  |
| <b>Tambours</b>                | L'équipement standard de la partie tournante comprend trois tambours – treuil no 1, no 2 et mécanisme de relevage. Les tambours sont entraînés par des moteurs hydrauliques munis de réducteurs planétaires, sous bain d'huile, en carter étanche. Tous les tambours sont pourvus de freins à disques multiples à commande par ressorts, et desserrés hydrauliquement. Freinage anti-usure hydraulique pour descendre la charge. Les pattes de câbles H 1, 2, 3 et W 1, 2 sont équipées des attaches à jonction rapide. Treuils H 1 et H 2 et chevalet avec mécanisme de relevage sont démontables pour diminuer le poids de transport. |
| <b>Chevalet</b>                | Système de relevage hydraulique à la partie supérieure pour chevalet en série.  |
| <b>Mécanisme d'orientation</b> | Entraîné par quatre moteurs hydrauliques avec réducteur planétaire, sous bain d'huile, en carter étanche. Frein d'arrêt à commande par ressorts, desserré hydrauliquement ainsi que freinage anti-usure hydraulique.  |
| <b>Commande</b>                | IC-1 : Pilotage électronique de soupapes proportionnels intégré dans un automate programmable avec diagnostic de dysfonctionnement. Deux écrans couleur, commande du C.E.C. par écran tactile. Les vitesses de travail sont réglées sans paliers par la position du levier. Régulation automatique pour une exploitation optimale de la puissance du moteur. En série limitation de portée, force de pression sur base et indicateur des forces de calage.  |
| <b>Cabine</b>                  | Cabine confortable avec large pare-brise et climatisation. Vitrage de sécurité, fenêtre de toit, chauffage à air autonome, organes de commande et instruments de contrôle. Cabine inclinable en arrière assurant au grutier une visibilité optimale. Une caméra est installée pour la surveillance des treuils. Pendant le transport, la cabine est basculée à l'avant de la partie tournante.  |
| <b>Installation électrique</b> | Système 24 V (2 accumulateurs 12 V / 180 Ah).   |
| <b>Connexion rapide</b>        | Connexion rapide hydraulique entre châssis et partie tournante permettant le démontage facile pour réduire le poids de transport en série.  |

## Equipements optionnels

|  |   |
|--|---|
| <b>Cylindre hydraulique pour le chevalet</b> | Pour le montage des trains de chenille.                                   |
| <b>Stabilisateur latéral additionnel</b>     | Pour le montage des flèches longues.                                      |
| <b>Chariot contrepoids</b>                   | Poids total max. 450 t, en combinaison avec l'équipement SL télescopique. |
| <b>Base de calage variante PC</b>            | Base de calage 14 x 14 m. Pour l'utilisation alternative aux chenilles.   |

Équipements optionnels supplémentaires sur demande!

## Configurations de flèche S et L

|                                     |  |
|-------------------------------------|--|
| <b>SH :</b>                         | Flèche principale : pied 12 m, tronçons 6 m, 10,5 m et 12 m (type 3328), tête de flèche 1,5 m.<br>Longueurs de flèche principale : 36-96 m.  |
| <b>SH / LH :<br/>(SGL variable)</b> | Flèche principale : pied 12 m, tronçons 6 m, 10,5 m et 12 m (type 3328), tronçon conique, allongée de tronçons 6 m et 12 m (type 2822), tronçon de tête 7,5 m.<br>Longueurs de flèche principale : 48-108 m.   |
| <b>LH :</b>                         | Flèche principale : pied 12 m, tronçon 10,5 m (type 3328), tronçon conique, allongée de tronçons 6 m and 12 m (type 2822), tronçon de tête 7,5 m.<br>Longueurs de flèche principale : 48-114 m.  |
| <b>SW :</b>                         | Flèche principale : Identique à SH. Inclinaison 87° jusqu'à 65°.<br>Fléchette volée variable : pied 4,5 m, tronçon 12 m (type 3328), tronçon conique, tronçon 6 m et tronçons 12 m (type 2822), tronçon de tête 7,5 m.<br>Longueurs de flèche principale : 42-60 m.<br>Longueurs de fléchette : 30-96 m. |
| <b>SSL :</b>                        | Flèche principale : Identique à SH.<br>Equipment Superlift.<br>Longueurs de flèche principale : 42-96 m.   |
| <b>SSL / LSL :<br/>(SGL 94,5 m)</b> | Flèche principale : pied 12 m, tronçons 6 m, 10,5 m et 12 m (type 2822), tronçon conique, allongée de tronçons 6 m et 12 m (type 2822), tronçon de tête 7,5 m.<br>Equipment Superlift.<br>Longueurs de flèche principale : 102-150 m.  |
| <b>SSL / LSL S1 :</b>               | Flèche principale : Identique à SSL, complété par kit à fortifier de flèche + tête de fléchette.<br>Longueurs de flèche principale : 66-156 m.   |
| <b>SWSL / SFSL :</b>                | Flèche principale : Identique à SH. Inclinaison 87° jusqu'à 45°.<br>Fléchette volée variable : idem SW.<br>Equipment Superlift.<br>Longueurs de flèche principale : 48-96 m.<br>Longueurs de fléchette : 30-108 m.   |
| <b>SFVL :</b>                       | Flèche principale : Identique à SH.<br>Equipment Superlift.<br>Fléchette fixe : pied 4,5 m, tronçons 12 m (type 3328), SFVL tronçon de tête compris.<br>Longueurs de flèche principale : 48-72 m.<br>Longuer de fléchette : 18 m.  |
| <b>LFVL :</b>                       | Flèche principale : Identique à SH.<br>Equipment Superlift.<br>Fléchette fixe : pied 4,5 m, tronçon conique, tronçon de tête 7,5 m.<br>Longueurs de flèche principale : 48-96 m.<br>Longuer de fléchette : 18 m.   |
| <b>+LF :</b>                        | En supplément de la configuration avec flèche principale SH, SSL, SH/LH, SSL/LSL, SSL/LSL S1.<br>Longueurs de fléchette : 15 m, 21 m, 27 m, 33 m.<br>Inclinaison de fléchette : 15°, 20°, 30°.<br>Runner sur LF max. 24 t en équipement standard.  |
| <b>Boulonnement de flèche</b>       | Boulonnement hydraulique des intercalaires de flèche en série.   |
| <b>Tambour de mouflage</b>          | Monté sur la partie tournante.   |
| <b>Sécurité</b>                     | Contrôleur d'état de charge électronique, contacteur de fin de course haut, limiteurs de mouvements de la flèche, retenues hydrauliques anti-basculement de la flèche, anémomètre.   |

## Equipements optionnels

|   |  |
|---|--|
| <b>Kit à fortifier pour flèche principale</b> | Constitué de max. 3 sections de flèche additionnelles (2 sur flèche principale, 1 sur fléchette) ; flèche principale de 96 m requise.  |
| <b>Equipment Superlift standard</b>           | Mât 40,5 m (type 2322), panier du contrepoids pour max. 450 t. Rayons du Superlift 15 m, 18 m, 21 m, 24 m.   |
| <b>Equipment Superlift variable</b>           | Mât 40,5 m (type 2322), panier du contrepoids pour max 450 t. Rayon du Superlift variable de 15 à 24 m. Cylindre vertical et système de stabilisation pour le contrepoids Superlift. |
| <b>Superlift avec chariot contrepoids</b>     | Mât 40,5 m (type 2322), chariot contrepoids pour max. 450 t. Rayon du Superlift variable de 18 à 24 m.   |
| <b>Rayon SL additionnel</b>                   | 24-30 m (plateau et châssis), seulement SSL, SSL/LSL et SSL/LSL S1.  |
| <b>Treuil H3</b>                              | Tambour supplémentaire sur la flèche principale (à utiliser avec LF ou runner). Effort au brin simple idem H1, longuer de câble 700 m.   |
| <b>Runner 46 t</b>                            | Environ 2 m à installer en tête de flèche ou sur l'élément de pointe.  |
| <b>Protection anti-chute</b>                  | Système de protection anti-chute pour flèche principale, fléchette à volée variable et mât Superlift.  |



## Carro cingolato

|                           |  |
|---------------------------|--|
|                           | Carro in 3 sezioni, carrozzeria con spazio per trasporto stabilizzatori in posizione chiusa e due cingoli. Le giunzioni idrauliche a spina tra cingoli e carro facilitano le operazioni di montaggio e smontaggio e consentono di ridurre al minimo la larghezza e il peso in ordine di marcia.  |
| <b>Sezione centrale</b>   | Struttura saldata, resistente a torsioni e flessioni, realizzata in acciaio strutturale pregiato a grana fine.   |
| <b>Telai portacingoli</b> | Struttura saldata resistente a flessioni, realizzata in acciaio strutturale pregiato a grana fine. Lubrificazione centralizzata di serie.  |
| <b>Cingoli</b>            | 15 rulli portacingolo con superficie di rotolamento bonificata. Posizione rialzata per le ruote motrici e tendicingolo. Le due ruote assicurano la capacità portante necessaria per l'erezione del braccio e consentono di regolare il tensionamento dei cingoli. Ogni lato è controllato a regolazione continua, con possibilità di movimento indipendente e di rotazione in direzioni opposte.   |
| <b>Catena cinematica</b>  | I cingoli sono azionati da due motori idraulici, ciascuno provvisto di riduttori planetari in bagno d'olio, muniti di carter a tenuta e freno di arresto a molla, ad apertura idraulica. Il design dei riduttori è estremamente compatto e si adatta perfettamente alla larghezza dei cingoli. Ogni lato è controllato a regolazione continua, con possibilità di movimento indipendente e di rotazione in direzioni opposte. Quadro Drive di serie. |
| <b>Zavorra centrale</b>   | 80 t.  |

## Torretta

|                                  |  |
|----------------------------------|--|
| <b>Contrappeso</b>               | 250 t.   |
| <b>Struttura</b>                 | Struttura saldata, resistente a torsioni e flessioni, realizzata in acciaio strutturale pregiato a grana fine.   |
| <b>Azionamento</b>               | Due motori diesel MTU ridondanti, a 6 cilindri, raffreddati ad acqua, tipo 6 R 1100, 2 x 320 kW (429 HP) a 1800 1/min, coppia di 2100 Nm a 1300 1/min. Il motore è conforme alle normative EUROMOT 4, Tier 4 final e CARB. Capacità del serbatoio: 1500 l.<br><b>Opzionale per mercati non regolamentati:</b> Motore diesel MTU di tipo OM 460 LA, 2 x 315 kW (428 HP) a 1800 1/min. Il motore è conforme alle normative EUROMOT 3b, Tier 4i e CARB.   |
| <b>Tamburi avvolgimento fune</b> | La dotazione standard della torretta comprende tre tamburi: argano 1, argano 2 e argano del braccio. I tamburi sono azionati da motori idraulici tramite riduttori planetari in bagno d'olio, dotati di carter a tenuta. Tutti i tamburi sono equipaggiati di freni multidisco a molla, ad apertura idraulica e sistema di frenatura idraulica antiusura per la discesa del carico. Le cime delle funi H 1, 2, 3 e W 1, 2 sono dotate di dispositivo a sgancio rapido. Gli argani H 1 e H 2 e la cuspide con l'argano del braccio sono rimovibili, per ridurre il peso durante il trasporto. |
| <b>Cuspide</b>                   | Torretta equipaggiata di serie con cilindri per il sollevamento della cuspide.   |
| <b>Ralla</b>                     | Alimentata da quattro motori idraulici tramite riduttori planetari in bagno d'olio con carter a tenuta. Freno di arresto a molla, frenatura idraulica antiusura, con apertura idraulica.   |
| <b>Sistema di comando</b>        | IC-1: Valvola di regolazione proporzionale elettronica integrata nel sistema di controllo software, comprendente funzioni di diagnostica. Monitor bicolore, indicatore di carico con touch-screen. Velocità di lavoro a regolazione continua sulla base della posizione della leva. Controllo automatico dell'alimentazione, per un utilizzo ottimale della potenza erogata dal motore. Limitatore sbraccio standard, indicazione della pressione al suolo, indicazione del carico sugli stabilizzatori.   |
| <b>Cabina</b>                    | Comoda cabina con ampio parabrezza e climatizzazione. Vetro stratificato panoramico, tettuccio apribile, riscaldatore ad aria calda indipendente, strumentazione e comandi gru completi. La cabina può essere inclinata per incrementare la visibilità dell'operatore sul punto di lavoro del braccio. I tamburi avvolgimento fune sono dotati di videocamera di monitoraggio. Per il trasporto, la cabina ruota sul lato anteriore della torretta, in modo da ridurre la larghezza.   |
| <b>Componenti elettrici</b>      | Impianto 24 V (2 batterie 12 V / 180 Ah).  |
| <b>Raccordi rapidi</b>           | Raccordi idraulici di accoppiamento rapido di serie su carro e torretta per facilitare lo smontaggio, riducendo al minimo il peso durante il trasporto.  |

## Equipaggiamento opzionale

|                                       |   |
|---------------------------------------|---|
| <b>Cuspide con cilindro idraulico</b> | Per l'autoassemblaggio dei cingoli.                                 |
| <b>Stabilizzatori laterali</b>        | Per l'erezione di bracci lunghi.                                    |
| <b>Contrappeso carro</b>              | Peso totale max. 450 t, in combinazione con sistema telescopico SL. |
| <b>Stabilizzatori gru su zoccolo</b>  | Base stabilizzatori 14 x 14 m. In alternativa ai cingoli.           |

Ulteriori opzioni su richiesta!

## Configurazioni del braccio S e L

|                                     |   |
|-------------------------------------|---|
| <b>SH:</b>                          | Braccio base: colonna 12 m, elementi 6 m, 10,5 m e 12 m (tipo 3328), testa braccio 1,5 m.<br>Lunghezza del braccio base: 36-96 m.   |
| <b>SH / LH:<br/>(SGL variabile)</b> | Braccio base: colonna 12 m, elementi 6 m, 10,5 m e 12 m (tipo 3328), elemento conico, esteso per elementi 6 m e 12 m (tipo 2822), elemento superiore 7,5 m.<br>Lunghezza del braccio base: 48-108 m.  |
| <b>LH:</b>                          | Braccio base: colonna 12 m, elementi 10,5 m (tipo 3328), elemento conico, esteso per elementi 6 m e 12 m (tipo 2822), elemento superiore 7,5 m.<br>Lunghezza del braccio base: 48-114 m.  |
| <b>SW:</b>                          | Braccio base: come SH. Inclinazione da 87° a 65°.<br>Falcone a volata variabile: colonna 4,5 m, elemento 12 m (tipo 3328), elemento conico, elemento 6 m ed elementi 12 m (tipo 2822), elemento superiore 7,5 m.<br>Lunghezza del braccio base: 42-60 m.<br>Lunghezze falcone: 30-96 m. |
| <b>SSL:</b>                         | Braccio base: come SH.<br>Sistema Superlift.<br>Lunghezza del braccio base: 42-96 m.  |
| <b>SSL / LSL:<br/>(SGL 94,5 m)</b>  | Braccio base: colonna 12 m, elemento 6 m, 10,5 m e 12 m (tipo 2822), elemento conico, esteso per elementi 6 m e 12 m (tipo 2822), elemento superiore 7,5 m.<br>Sistema Superlift.<br>Lunghezza del braccio base: 102-150 m.   |
| <b>SSL / LSL S1:</b>                | Braccio base: come SSL, esteso con kit potenza braccio + elemento superiore falcone.<br>Lunghezza del braccio base: 66-156 m.   |
| <b>SWSL / SFSL:</b>                 | Braccio base: come SH. Inclinazione da 87° a 45°.<br>Falcone a volata variabile: come SW.<br>Sistema Superlift.<br>Lunghezza del braccio base: 48-96 m.<br>Lunghezze falcone: 30-108 m.   |
| <b>SFVL:</b>                        | Braccio base: come SH.<br>Sistema Superlift.<br>Falcone rigido: colonna 4,5 m, elemento 12 m (tipo 3328), ulteriore testa SFVL compresa.<br>Lunghezza del braccio base: 48-72 m.<br>Lunghezza falcone: 18 m.  |
| <b>LFVL:</b>                        | Braccio base: come SH.<br>Sistema Superlift.<br>Falcone rigido: colonna 4,5 m, elemento conico, elemento superiore 7,5 m.<br>Lunghezza del braccio base: 48-96 m.<br>Lunghezza falcone: 18 m.   |
| <b>+LF:</b>                         | Oltre alla configurazione del braccio base SH, SSL, SH/LH, SSL/LSL, SSL/LSL S1.<br>Lunghezze falcone: 15 m, 21 m, 27 m, 33 m.<br>Inclinazione falcone: 15°, 20°, 30°.<br>Runner su LF max. 24 t di serie.   |
| <b>Fissaggio del braccio base</b>   | Fissaggio degli elementi del braccio con servocomando idraulico di serie.   |
| <b>Verricello di avvolgimento</b>   | Montato su torretta.  |
| <b>Dispositivi di sicurezza</b>     | Indicatore di carico elettronico finecorsa argano per movimenti braccio, dispositivo antiretro braccio, anemometro.   |

## Equipaggiamento opzionale

|  |   |
|--|---|
| <b>Kit potenza per braccio base</b>        | Costituito da max. 3 ulteriori elementi del braccio (2 del braccio base, 1 del falcone); È richiesto un braccio base standard di 96 m.  |
| <b>Sistema Superlift di serie</b>          | Albero secondario 40,5 m (tipo 2322), telaio contrappeso per max. 450 t. Raggi Superlift 15 m, 18 m, 21 m, 24 m.  |
| <b>Superlift variabile equipaggiamento</b> | Albero secondario 40,5 m (tipo 2322), telaio contrappeso per max 450 t. Raggio Superlift con regolazione continua durante il funzionamento da 15 a 24 m. Cilindro verticale e sistema di stabilizzazione per contrappeso Superlift. |
| <b>Superlift con contrappeso carro</b>     | Albero 40,5 m (tipo 2322), contrappeso carro per max. 450 t. Raggio superlift con regolazione continua durante il funzionamento da 18 a 24 m.   |
| <b>Raggio SL aggiuntivo</b>                | 24-30 metri (telaio e carro), solo SSL, SSL/LSL e SSL/LSL S1.   |
| <b>Argano H3</b>                           | Ulteriore tamburo su braccio base (per LF o per l'uso del runner). Tiro come H1, lunghezza fune 700 m.  |
| <b>Runner 46 t</b>                         | Circa 2 m per installazione su testa braccio o elemento superiore.  |
| <b>Protezione anticaduta</b>               | Sistema di protezione anticaduta per braccio base, falcone e albero Superlift.  |

## Chasis de orugas

|   |   |
|---|---|
| <b>Parte central</b>                      | Chasis de 3 secciones, formado por un cuerpo central con estabilizadores plegados para el transporte y dos orugas. La conexión con pernos hidráulicos entre las orugas y el cuerpo central aseguran un fácil montaje y desmontaje, reduciendo al mínimo la anchura y el peso para su transporte.  |
| <b>Bastidores laterales de las orugas</b> | Estructura soldada resistente a la flexión y a la torsión, fabricada con acero de construcción de grano fino y alta resistencia.  |
| <b>Orugas</b>                             | 15 rodillos por cada oruga con superficies de rodadura endurecidas. Posición elevada para los piñones de transmisión y las ruedas intermedias, los cuales proporcionan capacidad de soporte de carga para elevación; tensión de oruga regulable. Cada oruga es controlada en progresión continua, tanto independientemente como en direcciones opuestas.  |
| <b>Tren de transmisión</b>                | Las orugas están propulsadas por dos motores hidráulicos, cada uno de ellos con engranajes planetarios en cárter cerrado y baño de aceite, equipadas con frenos de parada accionados por muelle y soldados hidráulicamente. Los engranajes tienen un diseño extremadamente compacto para caber dentro de la anchura de las orugas. Cada oruga es controlada en progresión continua, tanto independientemente como en direcciones opuestas. Transmisión Quadro de serie. |
| <b>Lastre central</b>                     | 80 t.   |

## Superestructura

|                               |   |
|-------------------------------|---|
| <b>Contrapesos</b>            | 250 t.  |
| <b>Bastidor</b>               | Estructura soldada resistente a la flexión y a la torsión, fabricada con acero de construcción de grano fino y alta resistencia.  |
| <b>Tracción</b>               | Dos motores diésel MTU de 6 cilindros refrigerados por agua, con funcionamiento redundante, tipo 6 R 1100, 2 x 320 kW (429 CV) a 1800 rpm, par motor 2100 Nm a 1300 rpm. El motor cumple con las normativas EUROMOT 4, Tier 4 final y CARB. Capacidad del depósito de combustible: 1500 l.<br><b>Opcional para mercados no regulados:</b> Motor diésel MTU tipo OM 460 LA, 2 x 315 kW (428 CV) a 1800 rpm. El motor cumple con las normativas EUROMOT 3b, Tier 4i y CARB.   |
| <b>Tambores de cable</b>      | El equipamiento de serie de la superestructura incluye tres tambores de cable: cabestrante 1, cabestrante 2 y cabestrante de pluma. Los tambores son accionados por motores hidráulicos a través de engranajes planetarios en cárter cerrado y baño de aceite. Todos los tambores de cable tienen frenos multidisco accionados por muelle y soldados hidráulicamente, y frenado sin desgaste para reducir el peso. Los extremos de los cables H 1, 2, 3 y W 1, 2 están equipados con accesorios de conexión rápida. Los cabestrantes H1 y 2 y el caballete con cabestrante de pluma pueden desmontarse para reducir al mínimo el peso para su transporte. |
| <b>Caballete</b>              | Los cilindros en la superestructura para elevar el caballete están incluidos de serie.  |
| <b>Mecanismo de giro</b>      | Accionado por cuatro motores hidráulicos a través de engranajes planetarios en cárter cerrado y baño de aceite. Freno de parada accionado por muelle y soldado hidráulicamente, y frenado sin desgaste.   |
| <b>Sistema de control</b>     | IC-1: Control piloto electrónico de válvulas proporcionales integrado en un sistema de control por programa almacenado, incluido diagnóstico. Monitores de dos colores, indicador de carga operado por pantalla táctil. Velocidades de trabajo controladas en progresión continua por la posición de la palanca. Control automático de potencia para un aprovechamiento óptimo de la potencia del motor. De serie: limitación del área de trabajo, indicador de presión sobre el terreno, así como de la carga de los estabilizadores.  |
| <b>Cabina</b>                 | Confortable cabina con amplio parabrisas y aire acondicionado. Lunas de vidrio laminado, luna en el techo, calefacción de aire caliente autónoma, instrumentos y controles completos de la grúa. La cabina puede ser inclinada hacia atrás para mejorar la visibilidad de manejo de la pluma. Ha sido instalado un sistema de cámara para supervisar los tambores de cable. Para su transporte, la cabina gira delante de la superestructura para reducir la anchura al mínimo.   |
| <b>Equipamiento eléctrico</b> | Sistema de 24 V (2 baterías de 12 V / 180 Ah).  |
| <b>Conexión rápida</b>        | Los accesorios hidráulicos de desconexión rápida en el chasis y en la superestructura facilitan el desmontaje para reducir al mínimo el peso para su transporte, de serie.  |

## Equipamiento opcional

|  |  |
|--|--|
| <b>Cilindro hidráulico del caballete</b> | Para el automontaje de orugas.                                       |
| <b>Estabilizadores laterales</b>         | Para erigir sistemas de pluma larga.                                 |
| <b>Carro de contrapeso</b>               | Peso total máx. 450 t, en combinación con el sistema telescópico SL. |
| <b>Estabilizadores PC</b>                | Base de estabilizador 14 x 14 m. Como alternativa a las orugas.      |

¡Otras opciones a petición!

## Configuraciones de pluma S y L

|                                    |   |
|------------------------------------|---|
| <b>SH:</b>                         | Pluma principal: tramo de pie 12 m, tramos intermedios 6 m, 10,5 m y 12 m (tipo 3328), cabeza de la pluma 1,5 m.<br>Longitudes de pluma principal: 36-96 m.   |
| <b>SH / LH:<br/>(SGL variable)</b> | Pluma principal: tramos de pie 12 m, tramos intermedios 6 m, 10,5 m y 12 m (tipo 3328), tramo reductor, extendida con tramos intermedios 6 m y 12 m (tipo 2822), tramo superior 7,5 m.<br>Longitudes de pluma principal: 48-108 m.  |
| <b>LH:</b>                         | Pluma principal: tramo de pie 12 m, tramo intermedio 10,5 m (tipo 3328), tramo reductor, extendida con tramos intermedios 6 m y 12 m (tipo 2822), tramo superior 7,5 m.<br>Longitudes de pluma principal: 48-114 m.   |
| <b>SW:</b>                         | Pluma principal: igual que SH. Inclinable de 87° a 65°.<br>Plumín abatible: tramo de pie 4,5 m, tramo intermedio 12 m (tipo 3328), tramo reductor, extendido con tramo intermedio 6 m y tramos intermedios 12 m (tipo 2822), tramo superior 7,5 m.<br>Longitudes de pluma principal: 42-60 m.<br>Longitudes de plumín: 30-96 m. |
| <b>SSL:</b>                        | Pluma principal: igual que SH.<br>Equipamiento Superlift.<br>Longitudes de pluma principal: 42-96 m.  |
| <b>SSL / LSL:<br/>(SGL 94,5 m)</b> | Pluma principal: tramo de pie 12 m, tramos intermedios 6 m, 10,5 m y 12 m (tipo 2822), tramo reductor, extendido con tramos intermedios 6 m y 12 m (tipo 2822), tramo superior 7,5 m.<br>Equipamiento Superlift.<br>Longitudes de pluma principal: 102-150 m.   |
| <b>SSL / LSL S1:</b>               | Pluma principal: igual que SSL, extensión con kit de refuerzo de pluma + tramo superior de plumín.<br>Longitudes de pluma principal: 66-156 m.  |
| <b>SWSL / SFSL:</b>                | Pluma principal: igual que SH. Inclinable de 87° a 45°.<br>Plumín abatible: igual que SW.<br>Equipamiento Superlift.<br>Longitudes de pluma principal: 48-96 m.<br>Longitudes de plumín: 30-108 m.  |
| <b>SFVL:</b>                       | Pluma principal: igual que SH.<br>Equipamiento Superlift.<br>Extensión rígida: tramo de pie 4,5 m, tramo intermedio 12 m (tipo 3328), cabeza SFVL adicional incluida.<br>Longitudes de pluma principal: 48-72 m.<br>Longitud de plumín: 18 m.   |
| <b>LFVL:</b>                       | Pluma principal: igual que SH.<br>Equipamiento Superlift.<br>Extensión rígida: tramo de pie 4,5 m, tramo reductor, parte superior 7,5 m.<br>Longitudes de pluma principal: 48-96 m.<br>Longitud de plumín: 18 m.  |
| <b>+LF:</b>                        | Adicionalmente a la configuración de pluma principal SH, SSL, SH/LH, SSL/LSL, SSL/LSL S1.<br>Longitudes de plumín: 15 m, 21 m, 27 m, 33 m.<br>Ángulos de plumín: 15°, 20°, 30°.<br>Runner en LF máx. 24 t de serie.   |
| <b>Fijación de la pluma</b>        | Fijación de tramos de pluma por pernos asistidos hidráulicamente de serie.  |
| <b>Cabestrante pasador</b>         | Montado en la superestructura.  |
| <b>Dispositivos de seguridad</b>   | Indicador electrónico de carga, interruptor de límite de elevación para movimientos de pluma, retén hidráulico de pluma, anemómetro.  |

## Equipamiento opcional

|  |   |
|--|---|
| <b>Kit de refuerzo para la pluma principal</b> | Consistente en máx. 3 tramos de pluma adicionales (2 de pluma principal, 1 de plumín); la pluma principal estándar requiere 96 m.   |
| <b>Equipamiento Superlift de serie</b>         | Mástil 40,5 m (tipo 2322), bandeja de contrapeso para máx. 450 t. Radios de Superlift 15 m, 18 m, 21 m, 24 m.   |
| <b>Superlift variable equipamiento</b>         | Mástil 40,5 m (tipo 2322), bandeja de contrapeso para máx. 450 t. Radio de Superlift en progresión continua durante la operación de 15 a 24 m. Cilindro vertical y sistema estabilizador para contrapeso Superlift. |
| <b>Superlift con carro de contrapeso</b>       | Mástil 40,5 m (tipo 2322), carro de contrapeso para máx. 450 t. Radio de superlift en progresión continua durante la operación de 18 a 24 m.  |
| <b>Add on radio SL</b>                         | 24-30 m (bandeja y bastidor), sólo SSL, SSL/LSL y SSL/LSL S1.   |
| <b>Cabestrante H3</b>                          | Tambor de cable adicional en pluma principal (para operación de LF o runner). Tiro de cable igual que H1, longitud de cable 700 m.  |
| <b>Runner 46 t</b>                             | Aprox. 2 m para instalación en la cabeza de pluma o tramo superior.   |
| <b>Protección contra caídas</b>                | Sistema de protección contra caídas para pluma principal, plumín y mástil Superlift.  |

## Veículo sobre esteiras

Veículo de 3 seções formado pelo chassi com estabilizadores retráteis para transporte e duas esteiras. Conexões por pinos hidráulicos entre as esteiras e o chassi facilitam a instalação e a retirada, diminuindo a largura e o peso para o transporte.

|   |   |
|---|---|
| <b>Base de giro central</b>             | Estrutura soldada resistente a flexão e torção fabricada com aço estrutural de granulação fina e alta resistência.  |
| <b>Estruturas laterais das esteiras</b> | Estrutura soldada resistente à flexão fabricada com aço estrutural de granulação fina e alta resistência. Lubrificação centralizada incluída como item de série.  |
| <b>Esteiras</b>                         | Esteiras de 15 roletes com superfícies cementadas. Posição elevada das engrenagens motoras e das rodas livres, todas com retesamento das esteiras ajustável para a capacidade de carga no içamento. Cada esteira tem controle de variação infinita, tanto em modo independente quanto em sentidos inversos.   |
| <b>Sistema de transmissão</b>           | As esteiras são comandadas por dois motores hidráulicos cada uma, através de caixas fechadas com engrenagens planetárias em banho de óleo, equipadas com freios de retenção com liberação hidráulica por ação de mola. As caixas têm construção bastante compacta, próprias para a largura das esteiras. Cada esteira tem controle de variação infinita, tanto em modo independente quanto em sentidos inversos. Tração quádrupla como item de série. |
| <b>Lastro central</b>                   | 80 t.   |

## Superestrutura

|                                  |   |
|----------------------------------|---|
| <b>Contrapeso</b>                | 250 t.  |
| <b>Chassi</b>                    | Estrutura soldada resistente a flexão e torção fabricada com aço estrutural de granulação fina e alta resistência.  |
| <b>Tração</b>                    | Dois motores redundantes a diesel de seis cilindros refrigerados a água MTU tipo 6 R 1100, 2 x 320 kW (429 HP) a 1800 rpm, torque de 2100 Nm a 1300 rpm. Os motores atendem aos regulamentos EUROMOT 4, Tier 4 final e CARB. Capacidade do tanque de combustível: 1500 l.<br><b>Opcional para mercados não regulamentados:</b> Motor a diesel MTU tipo OM 460 LA, 2 x 315 kW (428 HP) a 1800 rpm. Os motores atendem aos regulamentos EUROMOT 3b, Tier 4i e CARB.   |
| <b>Tambores dos cabos de aço</b> | O equipamento padrão da superestrutura inclui três tambores para cabos de aço – guincho 1, guincho 2 e guincho da lança. Os tambores são comandados por motores hidráulicos através de caixas fechadas com engrenagens planetárias em banho de óleo. Todos os tambores contam com freios multidisco de liberação hidráulica por ação de mola e frenagem hidráulica sem desgaste para a descida das cargas. Pontas dos cabos H 1, 2, 3 e W 1, 2 equipadas com conexões de engate rápido. Os guinchos H1, H2 e do suporte angular com o guincho da lança são removíveis para otimizar o peso de transporte. |
| <b>Suporte angular</b>           | Os cilindros na superestrutura para elevar o suporte angular são itens de série.  |
| <b>Unidades de giro</b>          | Comandadas por quatro motores hidráulicos através de caixas fechadas com engrenagens planetárias em banho de óleo. Freio de retenção com liberação hidráulica por ação de mola e frenagem hidráulica sem desgaste.  |
| <b>Sistema de controle</b>       | IC-1: Controle eletrônico proporcional do piloto da válvula integrado ao sistema de controle por programa armazenado incluindo diagnósticos. Dois monitores coloridos, indicador de carga operado através de tela de toque. Velocidades de trabalho infinitamente variáveis, controladas pela posição da alavanca. Controle automático de potência para máxima utilização do rendimento do motor. Limitação do raio de trabalho, indicador da pressão sobre o solo e indicador de carga sobre os estabilizadores como itens de série.   |
| <b>Cabine</b>                    | Cabine confortável com amplo parabrisa e ar condicionado. Vidro laminado em toda a volta, teto solar, aquecedor de ar autônomo, instrumentação completa e controles do guindaste. A cabine pode ser reclinada para melhorar a visão da ponta da lança pelo operador. Há um sistema de câmera instalado para monitorar os tambores dos cabos de aço. Para transporte, a cabine rebate para a frente da superestrutura a fim de diminuir a largura.   |
| <b>Equipamentos elétricos</b>    | Sistema de 24 V (2 baterias de 12 V / 180 Ah).  |
| <b>Conexão rápida</b>            | Conexões hidráulicas de desengate rápido no veículo e na superestrutura facilitam a remoção para diminuir o peso de transporte. Itens de série.   |

## Equipamentos opcionais

|  |  |
|--|--|
| <b>Suporte angular com cilindros hidráulicos</b> | Para automontagem das esteiras.                              |
| <b>Estabilizadores laterais</b>                  | Para montagem de sistemas de lança longa.                    |
| <b>Veículo dos contrapesos</b>                   | Peso máx. total 450 t, combinado com sistema telescópico SL. |
| <b>Estabilizadores para PC</b>                   | Base estabilizadora 14 x 14 m. Alternativa para as esteiras. |

Outros opcionais a pedido!

## Configurações de lança S e L

|                                    |  |
|------------------------------------|--|
| <b>SH:</b>                         | Lança principal: seção do pé 12 m, suplementos de 6 m, 10,5 m e 12 m (tipo 3328), cabeça da lança 1,5 m.<br>Comprimentos da lança principal: 36-96 m.  |
| <b>SH / LH:<br/>(SGL variável)</b> | Lança principal: seções do pé 12 m, suplementos de 6 m, 10,5 m e 12 m (tipo 3328), suplemento cônico, prolongado por suplementos de 6 m e 12 m (tipo 2822), seção de topo 7,5 m.<br>Comprimentos da lança principal: 48-108 m.   |
| <b>LH:</b>                         | Lança principal: seção do pé 12 m, suplemento 10,5 m (tipo 3328), suplemento cônico, prolongado por suplementos de 6 m e 12 m (tipo 2822), seção de topo 7,5 m.<br>Comprimentos da lança principal: 48-114 m.  |
| <b>SW:</b>                         | Lança principal: igual à SH. Inclinação 87° a 65°.<br>Lança auxiliar articulada: seção do pé 4,5 m, suplemento 12 m (tipo 3328), suplemento cônico, suplemento de 6 m e suplementos de 12 m (tipo 2822), seção de topo 7,5 m.<br>Comprimentos da lança principal: 42-60 m.<br>Comprimentos da lança auxiliar: 30-96 m. |
| <b>SSL:</b>                        | Lança principal: igual à SH.<br>Equipamento Superlift.<br>Comprimentos da lança principal: 42-96 m.  |
| <b>SSL / LSL:<br/>(SGL 94,5 m)</b> | Lança principal: seção do pé 12 m, suplementos de 6 m, 10,5 m e 12 m (tipo 2822), suplemento cônico, prolongado por suplementos de 6 m e 12 m (tipo 2822), seção de topo 7,5 m.<br>Equipamento Superlift.<br>Comprimentos da lança principal: 102-150 m.   |
| <b>SSL / LSL S1:</b>               | Lança principal: igual à SSL, alongada por kit de expansão da lança principal + seção de topo da auxiliar.<br>Comprimentos da lança principal: 66-156 m.   |
| <b>SWSL / SFSL:</b>                | Lança principal: igual à SH. Inclinação 87° a 45°.<br>Lança auxiliar articulada: igual à SW.<br>Equipamento Superlift.<br>Comprimentos da lança principal: 48-96 m.<br>Comprimentos da lança auxiliar: 30-108 m.   |
| <b>SFVL:</b>                       | Lança principal: igual à SH.<br>Equipamento Superlift.<br>Lança auxiliar fixa: seção de pé 4,5 m, suplemento 12 m (tipo 3328), cabeça SFVL adicional incluída.<br>Comprimentos da lança principal: 48-72 m.<br>Comprimento da lança auxiliar: 18 m.  |
| <b>LFVL:</b>                       | Lança principal: igual à SH.<br>Equipamento Superlift.<br>Lança auxiliar fixa: seção do pé 4,5 m, complemento cônico, seção de topo 7,5 m.<br>Comprimentos da lança principal: 48-96 m.<br>Comprimento da lança auxiliar: 18 m.  |
| <b>+LF:</b>                        | Em acréscimo às configurações da lança principal SH, SSL, SH/LH, SSL/LSL, SSL/LSL S1.<br>Comprimentos da lança auxiliar: 15 m, 21 m, 27 m, 33 m.<br>Inclinação da lança auxiliar: 15°, 20°, 30°.<br>Ponta de montagem na LF máx. 24 t série.   |
| <b>Pinagem da lança</b>            | A pinagem hidráulica assistida das seções da lança é característica de série.  |
| <b>Guincho de passagem</b>         | Montado na superestrutura.   |
| <b>Equipamentos de segurança</b>   | Indicador eletrônico de carga, chave limitadora do guincho para os movimentos da lança, batentes hidráulicos da lança, anemômetro.   |

## Equipamentos opcionais

|  |   |
|--|---|
| <b>Kit de expansão da lança principal</b>    | Consistindo de no máx. 3 seções adicionais (2 da lança principal, 1 da auxiliar); Necessária lança principal padrão de 96 m.  |
| <b>Equipamento Superlift de série</b>        | Mastro 40,5 m (tipo 2322), base de contrapesos para máx. 450 t. Raios do Superlift de 15 m, 18 m, 21 m, 24 m.   |
| <b>Superlift variável equipamento</b>        | Mastro 40,5 m (tipo 2322), base de contrapesos para máx. 450 t. Raio do Superlift infinitamente variável entre 15 e 24 m durante a operação. Cilindro vertical e sistema estabilização para contrapesos do Superlift. |
| <b>Superlift com veículo dos contrapesos</b> | Mastro 40,5 m (tipo 2322), veículo dos contrapesos para máx. 450 t. Raio do superlift infinitamente variável entre 18 e 24 m durante a operação.  |
| <b>Aumento no raio do SL</b>                 | 24-30 m (plataforma e vaículo), somente SSL, SSL/LSL e SSL/LSL S1.  |
| <b>Guincho H3</b>                            | Tambor adicional para cabos na lança principal (para operação com LF ou runner). Tração da linha igual ao H1, comprimento do cabo 700 m.  |
| <b>Runner 46 t</b>                           | Aprox. 2 m para instalação da cabeça da lança ou seção de topo.   |
| <b>Proteção contra quedas</b>                | Sistema de proteção contra quedas para a lança principal, lança auxiliar e mastro do Superlift.   |



## Гусеничное шасси

3-секционное шасси экскаватора, включающее корпус шасси со сложенными для транспортировки выдвигными опорами и две гусеницы. Штифтовые соединения корпуса шасси и гусениц, обслуживаемые гидравликой, обеспечивают легкость сборки и разборки для уменьшения ширины и веса при транспортировке.

|                             |  |
|-----------------------------|--|
| <b>Центральная коробка</b>  | Сварная конструкция из устойчивой к изгибу и кручению высокопрочной мелкозернистой конструкционной стали.  |
| <b>Боковые стенки шасси</b> | Сварная конструкция из устойчивой к изгибу высокопрочной мелкозернистой конструкционной стали. Система централизованной смазки в стандартной комплектации.   |
| <b>Гусеницы</b>             | Катки с 15 траками с закаленной поверхностью качения. Подъем как ведущих звездочек так и не приводных колес, ведущие звездочки и не приводные колеса обеспечивают грузоподъемность необходимую для сборки, регулируемое натяжение гусениц. Бесступенчатая регулировка движения каждой гусеницы, отдельно и в противоположном направлении.  |
| <b>Силовая передача</b>     | Гусеничные цепи приводятся в движение двумя гидравлическими двигателями, каждый через свою планетарную передачу, вращающуюся в масляной ванне в закрытом корпусе, каждая имеет подпружиненный тормоз с гидроусилителем. Редукторы имеют исключительно компактную конструкцию и не выходят за ширину гусениц. Бесступенчатая регулировка движения каждой гусеницы, отдельно и в противоположном направлении. Квадропривод в стандартной комплектации. |
| <b>Центральный балласт</b>  | 80 т.  |

## Надстройка

|                                   |  |
|-----------------------------------|--|
| <b>Противовес</b>                 | 250 т.   |
| <b>Рама</b>                       | Сварная конструкция из устойчивой к изгибу и кручению высокопрочной мелкозернистой конструкционной стали.  |
| <b>Привод</b>                     | <p>Два дизельных 6-цилиндровых двигателя с водяным охлаждением MTU, типа 6 R 1100, 2 x 320 кВт (429 л.с.) при 1800 об/мин, вращающий момент 2100 Нм при 1300 об/мин. Двигатель соответствует требованиям стандартов EUROMOT 4, Tier 4 final и CARB. Емкость топливного бака: 1500 л.</p> <p><b>Опционально для нерегулируемых рынков:</b> дизельный двигатель MTU, типа OM 460 LA, 2 x 315 кВт (428 л.с.) при 1800 об/мин. Двигатель соответствует требованиям стандартов EUROMOT 3b, Tier 4i и CARB.</p>  |
| <b>Канатные барабаны</b>          | Стандартная комплектация оборудования надстройки включает три канатных барабана – лебедки 1, лебедки 2 и лебедки стрелы. Барабаны приводятся в движение гидравлическими двигателями через планетарную передачу, вращающуюся в масляной ванне в закрытом корпусе. Каждый канатный барабан имеет подпружиненный многодисковый тормоз с гидроусилителем и неизнашивающийся гидравлический тормоз для опускания груза. Концы тросов для лебедок H 1, 2, 3 и W 1, 2 имеют быстроразъемные соединительные концевые фитинги. Лебедки H 1 и H 2 и A-образная рама с лебедкой стрелы съемные для уменьшения веса при перевозке. |
| <b>A-образная рама</b>            | A-образная рама поднимается при помощи цилиндров, установленных на надстройке, входящих в стандартную комплектацию.  |
| <b>Узлы поворотных механизмов</b> | Приводятся в движение четырьмя гидравлическими двигателями через планетарную передачу, вращающуюся в масляной ванне в закрытом корпусе. Подпружиненный тормоз с гидроусилителем и неизнашивающийся гидравлический тормоз.  |
| <b>Система управления</b>         | IS-1: Заложена в установленную программу управления, включающую диагностику, система электронного пропорционального управления через регулирующие клапаны. Два цветных монитора, индикатор нагрузки, управляемый через сенсорный экран. Бесступенчатая регулировка рабочих скоростей изменением положения рычага. Автоматическая регулировка мощности для оптимизации выходной мощности двигателя. Ограничитель рабочего диапазона, индикатор давления на грунт и индикатор нагрузки на опоры в стандартной комплектации.  |
| <b>Кабина</b>                     | Комфортабельная кабина с большим ветровым стеклом и кондиционером. Все остекление из ламинированного стекла, потолочный люк, отдельный воздушный обогреватель, полный комплект приборов и органов управления краном. Кабина откидывается назад для лучшего обзора конца стрелы крана. Для управления канатными барабанами установлена система камер. Для транспортировки кабина разворачивается и устанавливается перед надстройкой, чтобы уменьшить ширину.   |
| <b>Электрическое оборудование</b> | Система с напряжением 24 В (2 аккумулятора 12 В / 180 А-ч).  |
| <b>Быстроразъемное соединение</b> | Система гидравлических быстроразъемных фитингов на шасси и надстройке, облегчающих разборку для снижения веса при перевозке, в стандартной комплектации.   |

## Дополнительное оборудование

|   |  |
|---|--|
| <b>A-образная рама с гидравлическим цилиндром</b>               | Для самосборки гусениц.  |
| <b>Боковые выдвигные опоры</b>                                  | Для сборки систем с длинной стрелой.   |
| <b>Платформа для перевозки противовесов</b>                     | Общий вес максимум 450 т вместе с системой телескопической стрелы SL.                            |
| <b>Выдвигные опоры для сборки в версии пьедестального крана</b> | Площадь опоры выдвигных опор 14 x 14 м. Как альтернатива может использоваться опора на гусеницы. |

Дополнительные опции на заказ!



## Варианты конфигурации стрел S и L

|   |  |
|---|--|
| <b>SH:</b>  | Главная стрела: нижняя секция 12 м, вставки 6 м, 10,5 м и 12 м (тип 3328), головка стрелы 1,5 м.<br>Главная стрела: 36-96 м.   |
| <b>SH / LH:<br/>(стрела SGL переменной<br/>длины)</b> | Главная стрела: нижняя секция 12 м, вставки 6 м, 10,5 м и 12 м (тип 3328), сужающаяся вставка, удлиненная вставками 6 м и 12 м (тип 2822), верхняя секция 7,5 м.<br>Главная стрела: 48-108 м.  |
| <b>LH:</b>  | Главная стрела: нижняя секция 12 м, вставка 10,5 м (тип 3328), сужающаяся вставка, удлиненная вставками 6 м и 12 м (тип 2822), верхняя секция 7,5 м.<br>Главная стрела: 48-114 м.  |
| <b>SW:</b>  | Главная стрела: идентична SH. Угол смещения 87°-65°.<br>Стрела с изменяемым вылетом и гуськом нижняя секция 4,5 м, вставка 12 м (тип 3328), сужающаяся вставка, вставки 6 м и 12 м (тип 2822), верхняя секция 7,5 м.<br>Главная стрела: 42-60 м.<br>Длина вылета стрелы с изменяемым вылетом: 30-96 м. |
| <b>SSL:</b>   | Главная стрела: идентична SH.<br>Оборудование суперлифт.<br>Главная стрела: 42-96 м.   |
| <b>SSL / LSL:<br/>(SGL 94.5 м)</b>                    | Главная стрела: нижняя секция 12 м, вставки 6 м, 10,5 м и 12 м (тип 2822), сужающаяся вставка, удлиненная вставками 6 м и 12 м (тип 2822), верхняя секция 7,5 м.<br>Оборудование суперлифт.<br>Главная стрела: 102-150 м.  |
| <b>SSL / LSL S1:</b>                                  | Главная стрела: идентична SSL, удлиненной за счет комплекта boom power-kit+ верхней секции стрелы.<br>Главная стрела: 66-156 м.  |
| <b>SWSL / SFSL:</b>                                   | Главная стрела: идентична SH. Угол смещения 87°-45°.<br>Стрела с изменяемым вылетом и гуськом идентична SW.<br>Оборудование суперлифт.<br>Главная стрела: 48-96 м.<br>Длина вылета стрелы с изменяемым вылетом: 30-108 м.  |
| <b>SFVL:</b>  | Главная стрела: идентична SH.<br>Оборудование суперлифт.<br>Неподвижная стрела: нижняя секция 4,5 м, вставка 12 м (тип 3328), включает дополнительную головку SFVL.<br>Главная стрела: 48-72 м.<br>Длина вылета стрелы с изменяемым вылетом: 18 м.   |
| <b>LFVL:</b>  | Главная стрела: идентична SH.<br>Оборудование суперлифт.<br>Неподвижная стрела: нижняя секция 4,5 м, сужающаяся вставка, верхняя секция 7,5 м.<br>Главная стрела: 48-96 м.<br>Длина вылета стрелы с изменяемым вылетом: 18 м.  |
| <b>+LF:</b>   | в дополнение к конфигурации главной стрелы SH, SSL, SH/LH, SSL/LSL, SSL/LSL S1.<br>Длина вылета стрелы с изменяемым вылетом: 15 м, 21 м, 27 м, 33 м.<br>Угол смещения стрелы с изменяемым вылетом: 15°, 20°, 30°.<br>Подвижной блок на LF максимум 24 т в стандартной комплектации.                    |
| <b>Соединение штифтами<br/>стрелы</b>                 | Гидравлическая система соединения штифтами секций стрелы входит в стандартную комплектацию.  |
| <b>Запасовочная лебедка</b>                           | Установлена на надстройке.   |
| <b>Вспомогательные приборы<br/>управления</b>         | Электронный индикатор нагрузки, концевой выключатель ограничителя движения стрелы, гидравлические ограничители обратного хода стрелы, анемометр.   |

## Дополнительное оборудование

|  |   |
|--|---|
| <b>Комплект Power-kit для<br/>главной стрелы</b>                         | Включающий максимально 3 дополнительные секции (2 главной стрелы, 1 дополнительной стрелы); Обязательное условие – наличие главной стрелы длиной 96 м.  |
| <b>Стандартный комплект<br/>оборудования суперлифт</b>                   | Мачта 40,5 м (тип 2322), платформа для противовесов на максимальный вес 450 т. Рабочий радиус комплекта оборудования суперлифт 15 м, 18 м, 21 м, 24 м.  |
| <b>Оборудование суперлифт<br/>с регулировкой по весу<br/>подъема</b>     | Мачта 40,5 м (тип 2322), платформа для противовесов на максимальный вес 450 т. Бесступенчатая регулировка радиуса суперлифт в процессе подъема в диапазоне 15-24 м. Цилиндрвертикального подъема и система стабилизаторов для противовесов системы суперлифт. |
| <b>Система суперлифт с<br/>тягачом и платформой<br/>для противовесов</b> | Мачта 40,5 м (тип 2322), тягач с платформой для противовесов на максимальный вес 450 т. Бесступенчатая регулировка радиуса суперлифт в процессе подъема в диапазоне 18-24 м.  |
| <b>Добавить к радиусу SL</b>   | 24-30 м (длина платформы и шасси), только SSL, SSL/LSL и SSL/LSL S1.  |
| <b>Лебедка H3</b>  | Дополнительный канатный барабан на главной стреле (для стрелы LF или подвижного блока). Тяговое усилие на тросе то же, что и для лебедки H1, длина троса 700 м.   |
| <b>Подвижной блок на 46 т</b>  | Прибл. 2 м для установки на головке стрелы или верхней секции.  |
| <b>Защита от падения<br/>с высоты</b>                                    | Защита от падения с высоты на главной стреле, стреле с изменяемым вылетом и мачте суперлифт.  |

## Anmerkungen zu den Tragfähigkeiten · Conditions d'utilisation · Annotazioni sulle portate · Condiciones de utilización · Notas sobre capacidade de içamento · Примечания по грузоподъемности

Ratings are in compliance with ISO 4305.

Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings.

Consult operation manual for further details.

**Note:** Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes.

Crane operation is subject to the computer charts and operation manual both supplied with the crane.

In some instances the superlift counterweight does not lift off the ground with the indicated load.

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Tragfähigkeiten entsprechen ISO 4305.

Das Gewicht der Unterflaschen, sowie die Lastaufnahmemittel, sind Bestandteile der Last und sind von den Tragfähigkeitsangaben abzuziehen.

Weitere Angaben in der Bedienungsanleitung des Kranes.

**Anmerkung:** Die Daten dieser Broschüre dienen nur zur allgemeinen Information; für ihre Richtigkeit übernehmen wir keine Haftung. Der Betrieb des Kranes ist nur mit den Original-Tragfähigkeitstabellen und mit der Bedienungsanleitung zulässig, die mit dem Kran mitgeliefert werden.

In einigen Fällen hebt das Superliftgegengewicht bei den angegebenen Traglasten nicht ab.

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Le tableau de charges est conforme à la norme ISO 4305.

Les poids du crochet-moufle et de tous les accessoires d'élingage font partie de la charge et sont à déduire des charges indiquées.

Pour plus de détails consulter la notice d'utilisation de la grue.

**Nota :** Les renseignements ci-inclus sont donnés à titre indicatif et ne représentent aucune garantie d'utilisation pour les opérations de levage. La mise en service de la grue n'est autorisée qu'à condition que les tableaux de charges ainsi que le manuel de service, tels que fournis avec la grue, soient observés.

Le contrepoids du superlift ne décolle pas dans certaines configurations des tableaux de charge.

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Le portate sono conformi alla norma ISO 4305.

Il peso del bozzello e delle funi d'attacco fanno parte del carico e sono quindi da detrarre dai valori di tabella.

Per ulteriori dettagli sulla velocità vento, consultare il manuale di istruzione della gru.

**Nota:** I dati riportati su tale prospetto sono solo a titolo indicativo e pertanto non impegnativi. L'impiego della gru è ammesso solo rispettando le tabelle originali ed il manuale di uso fornito assieme alla gru.

In alcuni casi, con il carico indicato, il contrappeso Superlift non si solleva dal suolo.

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Las capacidades de carga están sujetas a las normas ISO 4305.

El peso de los ganchos y eslingas son parte de la carga y serán deducidos de las capacidades brutas.

Consultar los manuales de operación para ampliar información.

**Observación:** Los datos publicados son solamente orientativos y no se deben interpretar como garantía de aplicación para determinadas operaciones de elevación. La manipulación de la grúa está sujeta a las cargas programadas en el ordenador y en el manual de operaciones, ambos suministrados con la grúa.

En algunos casos, el contrapeso superlift no se eleva del suelo con la carga indicada.

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Valores nominais de acordo com a ISO 4305.

O peso dos moitões e eslingas faz parte da carga e tem de ser subtraído das capacidades nominais.

Consultar manual de operação para outros detalhes.

**Nota:** Os dados publicados aqui destinam-se a simples orientação e não devem ser interpretados como garantia de aplicabilidade para fins de içamento. A operação da grua depende de tabelas de computador e do manual de operação, ambos fornecidos com a máquina.

Em alguns casos, o contrapeso do Superlift não levanta do solo com a carga indicada.

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Номинальные значения соответствуют ISO 4305.

Вес крюкоблока и строп является частью груза и должен вычитаться из номинальных значений грузоподъемности.

Подробности см. в руководстве по эксплуатации.

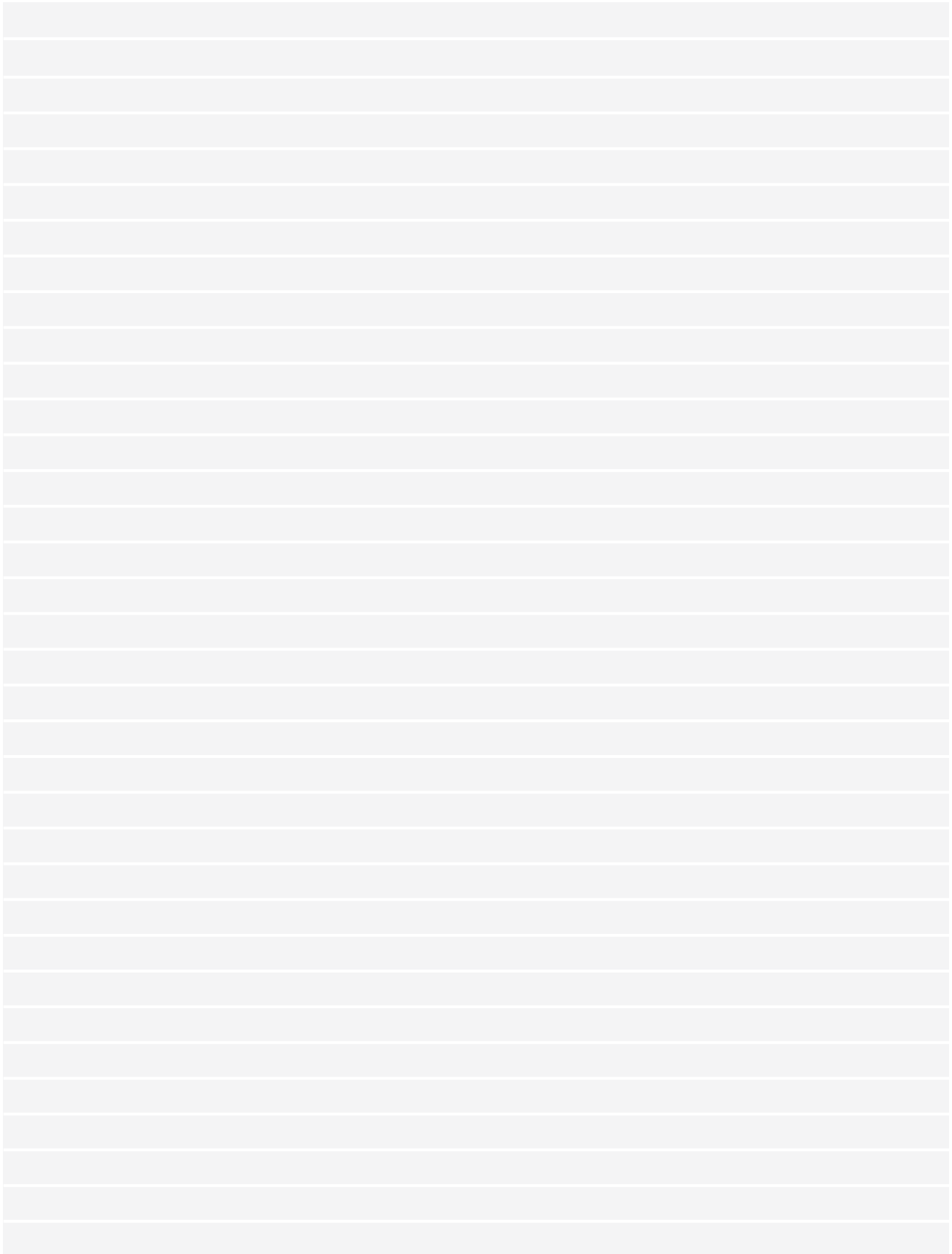
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В некоторых случаях противовес системы суперлифт не может быть поднят с земли с указанной нагрузкой.

# Notes

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