



SB-310-E

SB-Series

The standard build SB type winch provides the basis of the solution to many pulling and lifting winch applications. The winch is constructed in the conventional manner with motor, gearbox and drum in line. When it comes to the need of a shorter design the SB winch is available with a angular gearbox. The choice of the rope complies with the pulling force in the 5th rope layer. The drum is build according classification 1Am. The drum diameter is at least 16-times bigger than the diameter of the indicated rope diameter. Although the name of this winch indicates different, these winches are very suitable to fit to your specific winch application and can be equipped with different drums, other gearboxes or motors. Many options can be offered on these highly versatile winches. The standard version comes without a rope and control.

Standard winch features:

- Heavy duty planetary gearbox
- SB E; IP 54 aluminium braked motor
400 VAC/ 3 phase / 50 Hz
- SB H; orbit or radial piston type hydraulic motor complete with brake valve
- SB LPR; radial piston type air motor complete with hand control valve and mufflers
- SB LG; gear type air motor complete with hand or remote control valve and mufflers
- Steel drum with cable fixing point at flange
- Two drum supports
- Double layer 2 component conversation, colour RAL 5010

TYPE SB-Series electric

TYPE	Max. capacity 1st layer kg	Max. capacity 5th layer kg	Recomm. rope diam. mm	Rope speed 1st layer m/min.	Rope speed 5th layer m/min.	Drum storage 1st layer m	Drum storage 5th layer m	Motor power 3-ph kW	Order No.
SB 300-E	1,250	875	9	8.5	12.5	24	155	2.2	H50091
SB 301-E	2,000	1,400	11	8.5	12.5	24	155	3	H50092
SB 304-E	3,000	2,100	14	8.5	12.5	24	155	5.5	H50175
SB 305-E	4,000	2,800	16	8	11.5	24	155	5.5	H50071
SB 306-E	5,500	3,800	19	8	11.5	24	155	7.5	H50072
SB 307-E	7,000	4,900	22	8	11.5	24	155	11	H50073
SB 309-E	9,000	6,300	24	10	14	24	155	15	H50074
SB 310-E	12,000	8,400	28	8	11.5	24	155	18.5	H50093
SB 311-E	15,000	10,400	32	7.5	11	23	154	22	H50075
SB 313-E	18,000	12,400	34	6	9	22	153	22	H50076
SB 314-E	23,000	16,000	38	6	9	22	153	30	H50177
SB 315-E	30,000	20,400	44	6	9	20	145	30	H50094
SB 316-E	37,000	24,500	48	6	9	18	137	45	H50095

Available winch options

- IP 56 TENV cast iron motor for marine applications
- Alternative drum dimensions / split drums /additional rope anchors /etc.
- Explosion proof motors
- Protective steel motor cover
- Drum pressure roller, spooling gears, grooved drums
- Band brakes (manual or failsafe automatic)
- Manual disengaging clutch
- Alternative speeds
- Alternative supply voltages
- Drum guards
- Manual emergency crank
- Slip ring mounting
- Warping head
- Angular gear

Available control options

- Control box IP 55 with pushbuttons and emergency stop
- Control box IP 55 with low voltage IP 65 remote control
- Load limiter (required by CE for applications exceeding 1000 kg W.L.L.)
- Frequency inverter for variable speed control
- Wireless radio remote control systems
- Limit switches (electric, pneumatic)
- Slack wire switches (electric, pneumatic)
- Proportional local or remote control valve (pneumatic or hydraulic)
- Motor overheating protection

Classification

II 2 GD c T4 135°C



SB 301-E with AISV

TYPE SB-Series pneumatic

TYPE	Max. capacity 1st layer kg	Max. capacity 5th layer kg	Recomm. rope diam. mm	Rope speed 1st layer m/min.	Rope speed 5th layer m/min.	Drum storage 1st layer m	Drum storage 5th layer m	Air pressure drop in bar	Air flow in l/min.	Order No.
SB 300-LPR2	1,200	845	10	11	16	26	168	7	90	H50119
SB 301-LPR2	2,100	1,435	12	7	10	24	157	7	90	H50121
SB 303-LPR2	2,500	1,740	14	6	9	26	165	7	90	H50084
SB 303-LPR3	2500	1,740	14	12	17	26	165	7	140	H50122
SB 305-LPR3	4,000	2,770	16	9	13	25	161	7	150	H50085
SB 305-LPR4	4,000	2,770	16	15	21	25	161	7	240	H50123
SB 306-LPR4	5,500	3,970	18	10	14	28	181	7	240	H50086
SB 307-LPR4	7,000	4,960	22	8	11	26	171	7	240	H50087
SB 307-LG6	7,000	4,960	22	13	18	26	171	7	350	H50124
SB 309-LPR4	9,000	6,285	26	6	9	24	163	7	220	H50125
SB 309-LG6	9,000	6,285	26	10	14	24	163	7	350	H50088
SB 310-LG6	12,000	8,460	28	7	10	24	168	7	350	H50126
SB 311-LG6	16,000	10,655	34	5	7,5	19	144	7	350	H50089
SB 313-LG6	20,000	13,610	38	4	6	19	151	7	350	H50090

TYPE SB-Series hydraulic

TYPE	Max. capacity 1st layer kg	Max. capacity 5th layer kg	Recomm. rope diam. mm	Rope speed 1st layer m/min.	Rope speed 5th layer m/min.	Drum storage 1st layer m	Drum storage 5th layer m	Oil pressure drop in bar	Oil flow in l/min.	Order No.
SB 303-H	2,500	1,740	14	18	26	26	165	140	60	H50077
SB 305-H	4,000	2,770	16	18	26	25	161	160	80	H50078
SB 306-H	5,500	3,970	18	25	35	28	181	225	95	H50079
SB 307-H	7,000	4,960	22	20	28	26	171	230	100	H50080
SB 309-H	9,000	6,285	26	13	18	24	163	190	100	H50081
SB 310-H	12,000	8,460	28	11	16	24	168	230	95	H50096
SB 311-H	16,000	10,655	34	10	15	19	144	230	110	H50082
SB 313-H	20,000	13,610	38	8	12	19	151	210	120	H50083
SB 315-H	30,500	20,800	44	8	12	19	151	235	165	H50097
SB 316-H	37,000	24,570	48	6	9	17	141	225	160	H50098

Options

TYPE		Grooved drum	Cable tensioning device with scored cable drum	Longer cable drum, up to 500 mm	Electric rope winch SB-E		
					3-layer paint coating*	Drum cover	Spindle limit switch (as an operating limit switch)
SB 300	Order No.	H50206	H50208	H50231	H50450	H50454	H50210
SB 301	Order No.	H50207	H50209	H50232	H50450	H50454	H50210
SB 303	Order No.	H50219	H50217	H50212	H50450	H50454	H50210
SB 305	Order No.	H50219	H50217	H50238	H50450	H50454	H50210
SB 306	Order No.	H50220	H50217	H50213	H50451	H50455	H50210
SB 307	Order No.	H50220	H50218	H50239	H50451	H50455	H50210
SB 309	Order No.	H50221	H50218	H50214	H50452	H50456	H50210
SB 310	Order No.	H50222	H50218	H50215	H50452	H50456	H50210
SB 311	Order No.	H50222	H50218	H50247	H50452	H50456	H50210
SB 313	Order No.	H50223	H50392	H50216	H50452	H50456	H50210
SB 315	Order No.	H50390	H50233	H50393	H50453	H50457	H50210
SB 316	Order No.	H50391	H50233	H50394	H50453	H50457	H50210

We can offer an adapted control for the SB winches according to your directions!

* Acc. ISO 12944 C4 (high) – System C5-M-Marine (very high), quoted price x 2 according to your directions!