

GL 20-60 Series electronic pallet truck with lateral tiller

Technical data in line with VDI 2198

as at: 04/2013

Identification	1.1	Manufacturer (abbreviation)		Icem	Icem	Icem
	1.2	Manufacturer's type designation		GL 20	GL 30	GL 40
	1.3	Drive		electric	electric	electric
	1.4	Type of operation		pedestrian	pedestrian	pedestrian
	1.5	Load capacity/rated load	Q (t)	2.0	3.0	4.0
	1.6	Load centre distance	c (mm)	600	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	891	881	864
	1.9	Wheelbase	y (mm)	1308	1308	1381
	Weights	2.1	Service weight incl. battery (see line 6.5)	kg	560	595
2.2		Axle loading, laden front/rear	kg	895/1665	1105/2490	1250/3400
2.3		Axle loading, unladen front/rear	kg	450/110	460/135	485/165
Wheels, Chassis	3.1	Tyres		PU	PU	PU
	3.2	Tyre size, front	mm	ø 250	ø 250	ø 250
	3.3	Tyre size, rear	mm	ø 85	ø 85	ø 85
	3.4	Additional wheels (dimensions)	mm	ø 150	ø 150	ø 150
	3.5	Wheels, number front/rear (x = driven wheels)		1x +1 / 2 o 4	1x +1 / 4	1x +1 / 4
	3.6	Track width, front	b ₁₀ (mm)	420	420	420
	3.7	Track width, rear	b ₁₁ (mm)	385	385	365
Basic dimensions	4.4	Lift height	h ₃ (mm)	115	115	130
	4.9	Height of tiller in drive position min./max.	h ₁₄ (mm)	750/1320	750/1320	750/1320
	4.15	Lowered height	h ₁₃ (mm)	86	86	95
	4.19	Overall length	l ₁ (mm)	1780	1790	1875
	4.20	Length to face of forks	l ₂ (mm)	630	640	725
	4.21	Overall width	b ₁ (mm)	770	770	770
	4.22	Fork dimensions	s/e/l (mm)	60x175x1150	60x175x1150	80x195x1150
	4.25	Width over forks	b ₅ (mm)	560	560	570
	4.32	Ground clearance, centre of wheelbase	M ₂ (mm)	26	26	15
	4.33	Aisle width for pallets 1000x1200 crossways	Ast (mm)	2059	2069	2151
4.34	Aisle width for pallets 800x1200 crossways	Ast (mm)	2059	2069	2151	
4.35	Turning radius	Wa (mm)	1550	1550	1615	
Perform. data	5.1	Travel speed, laden/unladen	km/h	6.0/6.0	6.0/6.0	5.0/5.0
	5.2	Lift speed, laden/unladen	m/s	0.05/0.07	0.04/0.06	0.024/0.032
	5.3	Lowering speed, laden/unladen	m/s	0.10/0.06	0.10/0.05	0.051/0.030
	5.8	Max. gradient performance, laden/unladen	%	12/22	10/22	4/15
	5.10	Service brake		electric	electric	electric
Electric eng.	6.1	Drive motor rating S ₂ 60min	kW	1	1	2
	6.2	Lift motor rating at S ₃ 10%	kW	2.2	2.2	2.2
	6.4	Battery voltage, nominal capacity K ₅	V/Ah	24/240	24/240	24/240
	6.5	Battery weight	kg	210	210	210
	8.1	Type of drive control		AC	AC	AC
8.4	Sound level at driver's ear according to EN 12 053	dB (A)	70	70	70	

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Identification	1.1	Manufacturer (abbreviation)	Icem	Icem	Icem	
	1.2	Manufacturer's type designation	GL 50 J	GL 50	GL 60	
	1.3	Drive	electric	electric	electric	
	1.4	Type of operation	pedestrian	pedestrian	pedestrian	
	1.5	Load capacity/rated load	Q (t)	5.0	5.0	6.0
	1.6	Load centre distance	c (mm)	600	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	864	864	830
	1.9	Wheelbase	y (mm)	1381	1415	1394
	Weights	2.1	Service weight incl. battery (see line 6.5)	kg	660	840
2.2		Axle loading, laden front/rear	kg	1445/4215	1575/4265	1655/5245
2.3		Axle loading, unladen front/rear	kg	490/170	640/200	665/235
Wheels, Chassis	3.1	Tyres	PU	PU	PU	
	3.2	Tyre size, front	mm	ø 250	ø 320	ø 320
	3.3	Tyre size, rear	mm	ø 85	ø 85	ø 85
	3.4	Additional wheels (dimensions)	mm	ø 150	ø 150	ø 150
	3.5	Wheels, number front/rear (x = driven wheels)		1x +1 / 4	1x +1 / 4	1x +1 / 6
	3.6	Track width, front	b ₁₀ (mm)	420	545	545
	3.7	Track width, rear	b ₁₁ (mm)	365	365	365
Basic dimensions	4.4	Lift height	h ₃ (mm)	130	130	130
	4.9	Height of tiller in drive position min./max.	h ₁₄ (mm)	750/1320	840/1410	840/1410
	4.15	Lowered height	h ₁₃ (mm)	95	95	95
	4.19	Overall length	l ₁ (mm)	1875	1940	2005
	4.20	Length to face of forks	l ₂ (mm)	725	790	805
	4.21	Overall width	b ₁ (mm)	770	925	925
	4.22	Fork dimensions	s/e/l (mm)	80x205x1150	80x205x1150	80x205x1200
	4.25	Width over forks	b ₅ (mm)	570	570	570
	4.32	Ground clearance, centre of wheelbase	M ₂ (mm)	15	15	15
	4.33	Aisle width for pallets 1000x1200 crossways	Ast (mm)	2151	2216	2230
4.34	Aisle width for pallets 800x1200 crossways	Ast (mm)	2151	2216	2230	
4.35	Turning radius	Wa (mm)	1615	1680	1660	
Perform. data	5.1	Travel speed, laden/unladen	km/h	5.0/5.0	5.0/5.0	5.0/5.0
	5.2	Lift speed, laden/unladen	m/s	0.022/0.032	0.022/0.032	0.017/0.025
	5.3	Lowering speed, laden/unladen	m/s	0.052/0.030	0.052/0.030	0.040/0.023
	5.8	Max. gradient performance, laden/unladen	%	3.3/15	3.3/15	2.7/15
	5.10	Service brake		electronic	electronic	electronic
Electric eng.	6.1	Drive motor rating S ₂ 60min	kW	2	2	2
	6.2	Lift motor rating at S ₃ 10%	kW	2.2	2.2	2.2
	6.4	Battery voltage, nominal capacity K ₅	V/Ah	24/240	24/320	24/320
	6.5	Battery weight	kg	210	280	280
	8.1	Type of drive control		AC	AC	AC
8.4	Sound level at driver's ear according to EN 12 053	dB (A)	70	70	70	

