

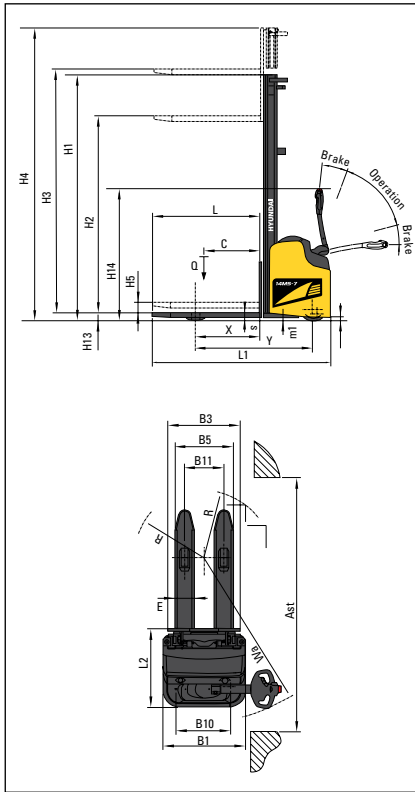


We build a better future

14MS(L)-7 16MS(L)-7

WAREHOUSE EQUIPMENT Electric stacker

TECHNICAL DRAWING



DETAIL



MAST SPECIFICATIONS

14-16 MS-7 Mast Ref. dimensions in mm		Lift Height		Overall Height	
		Max h1	Free lift h2	Lowered h3	Extended h4
Simplex	S 15	1505	1505	1930	1944
	S 17	1755	1755	2180	2194
Duplex	D 29	2935	-	1930	3374
	D 34	3435	-	2180	3874
	D 38	3835	-	2380	4274
	D 43	4335	-	2630	4774
Free lift duplex	DLL 29	2930	1505	1930	3369
	DLL 34	3430	1755	2180	3869
	DLL 38	3830	1955	2380	4269
	DLL 43	4330	2205	2630	4769
Triplex	T 42	4255	-	1989	4776
	T 48	4855	-	2189	5376
Free lift triplex	TLL 42	4245	1465	1889	4701
	TLL 47	4725	1625	2049	5181

14-16 MSL-7 Mast Ref. dimensions in mm		Lift Height		Overall Height	
		Max h1	Free lift h2	Lowered h3	Extended h4
Simplex	S 15	1506	1506	1953	1960
	S 17	1756	1756	2203	2210
Duplex	D 29	2936	-	1953	3390
	D 34	3436	-	2203	3890
	D 38	3836	-	2403	4290
	D 43	4336	-	2653	4790
Free lift duplex	DLL 29	2931	1506	1953	3385
	DLL 34	3431	1756	2203	3885
	DLL 38	3831	1956	2403	4285
	DLL 43	4331	2206	2653	4785
Triplex	T 42	4256	-	2011	4799
	T 48	4856	-	2211	5399
Free lift triplex	TLL 42	4246	1466	1911	4723
	TLL 47	4726	1626	2071	5203

SPECIFICATIONS

Identification		14 MS(L) - 7	16 MS(L) - 7
1.1	Manufacturer	Hyundai	Hyundai
1.2	Type	14MS-7 / 14MSL-7	16MS-7 / 16MSL-7
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas, manual	Battery	Battery
1.4	Type of operation: hand, pedestrian, standing, seated, order-picker	Pedestrian	Pedestrian
1.5	Load capacity (standard)	kg 1400	1600
1.6	Load center distance	C mm 600	600
1.8	Load distance, fork face to track wheels (raised position)	X mm 687 - 848 / 808*	687 - 848 / 808*
1.9	Wheelbase (drive axle to track wheels) raised / lowered	Y mm 1250 - 1492 / 1452*	1250 - 1492 / 1452*
Weights			
2.1	Service weight	kg 1140 - 1200*	1140 - 1290*
2.2	Axle loading, loaded front / rear	kg 840 - 1700	890 - 1850*
2.3	Axle loading, unloaded front / rear	kg 640 - 500	640 - 500
Wheels			
3.1	Tires	Polyurethane	Polyurethane
3.2	Tires size, front	mm 1 x (230 x 75)	1 x (230 x 75)
3.3	Tires size, rear	mm 1 x (82 x 68)	1 x (82 x 68)
3.4	Outrigger dimensions	mm 1 x (140 x 60)	1 x (140 x 60)
3.5	Wheels, number front / rear (X = driven wheels)	1 x 1/4	1 x 1/4
3.6	Track width, front	B10 mm 529	529
3.7	Track width, rear	B11 mm 380	380
Basic dimensions			
4.2	Mast height (lowered)	h1 mm 1930 - 1953*	1930 - 1953*
4.3	Free lift	h2 mm -	-
4.4	Lift height (standard)	h3 mm 2933 - 2936*	2933 - 2936*
4.5	Height with mast raised	h4 mm 3374 - 3390*	3374 - 3390*
4.6	Initial lift	h5 mm 0 - 110*	0 - 110*
4.9	Height of tiller in drive position (max)	h14 mm 750 / 1250	750 / 1250
4.15	Height of forks (lowered)	h13 mm 85 - 86	85 - 86
4.19	Overall length	L1 mm 1910 / 2035*	1910 / 2035*
4.20	Length to face of forks	L2 mm 761 / 846*	761 / 846*
4.21	Overall width	B1 mm 800	800
4.22	Fork dimensions L x W x T	S x E x L mm 60 x 185 x 1150 - 60 x 185 x 1190*	60 x 185 x 1150 - 60 x 185 x 1190*
4.24	Fork carriage width	B3 mm 700	700
4.25	Width over forks	B5 mm 565	565
4.26	Width between carrying arms (min / max)	B4 mm 30	30
4.31	Ground clearance, under mast	m1 mm 2464 - 2653*	2464 - 2653*
4.32	Ground clearance, centre of wheelbase	m2 mm 2438 - 2567*	2438 - 2567*
4.33	Aisle width for pallets 1000 x 1200 crossways (L x W)	Ast mm 1588 - 1834*	1588 - 1834*
4.34	Aisle width for pallets 800 x 1200 lengthways (W x L)	Ast mm 2200	2200
4.35	Turning radius (raised / lowered)	Wa mm 1400	1400
Performance data			
5.1	Travel speed, loaded / unloaded	km / h 5,8 / 6	5,8 / 6
5.2	Lift speed, loaded / unloaded	mm / s 160 / 300	160 / 300
5.3	Lowering speed, loaded / unloaded	mm / s 280 / 220	290 / 220
5.8	Max. Gradient performance, loaded / unloaded	% 7 / 10	7 / 10
5.10	Service brake	Electromagnetic	Electromagnetic
5.11	Parking brake	Handle release	Handle release
Drive unit			
6.1	Drive motor rating (S2 60 min)	kW 1,5	1,5
6.2	Lift motor rating at S3 10%	kW 3	3
6.3	Battery acc. To DIN43531 / 35 / 36, A, B, C	DIN43535-B	DIN43535-B
6.4	Battery voltage / nominal capacity	V / Ah 24 / 180 - 300	24 / 180 - 300
6.5	Battery weight (+ - 5%)	kg 160 - 250	160 - 250
Other details			
8.1	Type of drive control	Variator	Variator
8.4	Sound level at driver's ear (driving)	dB (A) 65	65

*Only for models with initial lift

PLEASE CONTACT



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