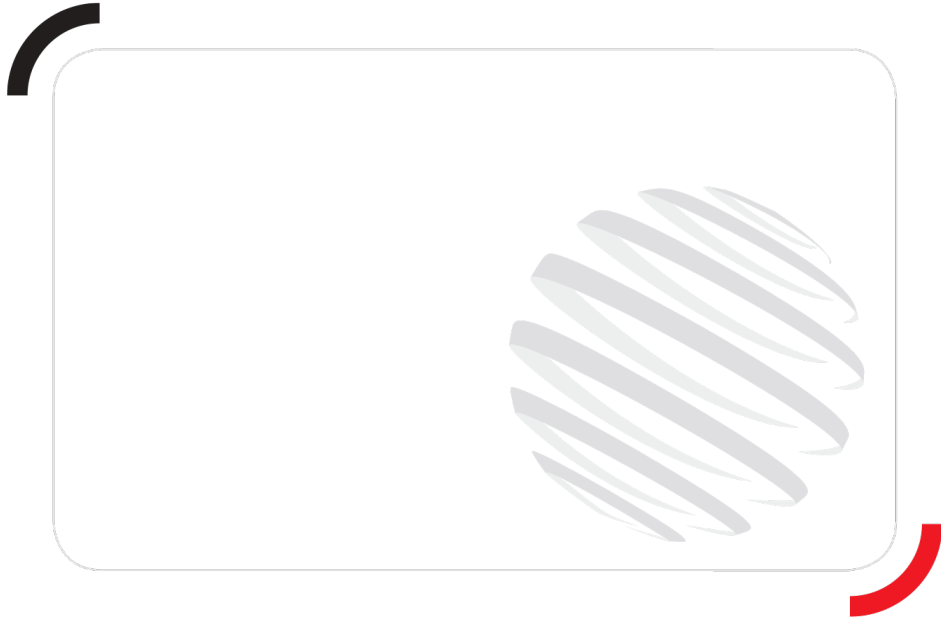


Technical sheet

ER 16 HD

Warehousing Equipment

	Technical characteristics	Metric	Imperial
1.1	Manufacturer	Manitou	Manitou
1.2	Model	ER 16 HD	ER 16 HD
1.3	Type of traction	Electric	Electric
1.4	Type of operation	Seated	Seated
1.5	Q - Rated capacity	1600 kg	3527 lbs
1.6	c - Center of gravity of load	600 mm	0.24 in
1.9	y - Wheelbase	1420 mm	56.40 in
	Weight		
2.1	Weight of truck in working order	4150 kg	9149 lbs
2.3	Unladen weight on front/rear axle	2370 kg / 1780 kg	5225 lbs / 3924 lbs
	Wheels		
3.1	Tyre equipment: bandage (V), PPS (SE), inflatable tyre (L)	Cellular solid cushion	Cellular solid cushion
3.2	Size of front wheels	355 x 155	355 x 155
3.3	Size of rear wheels	230 x 105	230 x 105
3.5	Number of front wheels (x)	1x / 2	1x / 2
3.6	b10 - Front track	0 mm	0 in
3.7	b11 - Rear track	1.13 mm	3.80 in
	Dimensions		
4.1	α / β - Front/Rear mast angle	1° / 3°	1° / 3°
4.2	h1 - Height (mast lowered)	2960 mm	117.60 in
4.3	h2 - Free lift	2420 mm	85.32 in
4.4	h3 - Lift height (Duplex mast)	6350 mm	250.80 in
4.5	h4 - Height of extended mast	6930 mm	273.60 in
4.7	h6 - Height of driver protection (cab)	2200 mm	86.40 in
4.8	h7 - Height of seat	1080 mm	43.20 in
4.19	l1 - Total length	2490 mm	98.40 in
4.20	l2 - Length to fork heel	1340 mm	52.80 in
4.21	Overall length - Single/twinned wheels	1270 mm / -	49.20 in / -
4.22	e / s / l - Fork dimensions	1150 x 100 x 40	37.72 x 3.3 x 1.3
4.23	Fork carriage to DIN 15173 A/B	2A	2A
4.24	b3 - Width of fork clamp	830 mm	33.60 in
4.31	m1 - Ground clearance under mast	71 mm	3.60 in
4.33	Ast - Aisle width for 1000 x 1200 pallet widthwise	2760 mm	108 in
4.34	Ast - Aisle width for 800 x 1200 pallet lengthwise	2820 mm	111.60 in
4.35	Wa - Turning radius	1640 mm	-
	Performances		
5.1	Speed of travel laden / unladen	14.30 km/h / 14.50 km/h	8.90 mph / 9 mph
5.2	Lifting speed laden / unladen	0.47 m/s / 0.67 m/s	1.54 ft/s / 2.20 ft/s
5.3	Lowering speed laden / unladen	0.52 m/s / 0.50 m/s	1.70 ft/s / 1.64 ft/s
5.7	Maximum ramp laden / unladen	15.20 % / 11 %	15.20 % / 11 %
5.10	Service brake	Electromagnetic	Electromagnetic
	Engine		
6.1	Drive motor power rating	7.20 kW	7.20 kW
6.2	Lift motor power	15 kW	15 kW
6.4	Battery voltage/capacity	48 V / 620 Ah	48 V / 620 Ah
	Miscellaneous		
8.1	Type of drive unit	Electronic	Electronic
8.2	Working hydraulic pressure for attachments	150 bar	2176 psi
8.3	Oil flow rate for attachments	25 l/min	6.60 gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator	60.80 dB(A)	60.80 dB(A)



Siège Social
430 rue de l'Aubinière - 44150 Ancenis Cedex - France
Tel: +33(0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97
www.manitou.com



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