

Technical sheet

ER 16

Warehousing Equipment

Technical characteristics		Metric	Imperial
1.1	Manufacturer	Manitou	Manitou
1.2	Model	ER 16	ER 16
1.3	Type of traction	Electric	Electric
1.4	Type of operation	Seated	Seated
1.5	Q - Rated capacity	1600 kg	3520 lbs
1.6	c - Center of gravity of load	600 mm	0.20 in
1.9	y - Wheelbase	1448 mm	57 in
Weight			
2.1	Weight of truck in working order	3190 kg	7018 lbs
2.3	Unladen weight on front/rear axle	2000 kg / 1190 kg	4400 lbs / 2618 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	282 x 105	282 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	3.71 in
Dimensions			
4.1	α / β - Front/Rear mast angle	1° / 3°	1° / 3°
4.2	h1 - Height (mast lowered)	2640 mm	103.92 in
4.4	h3 - Lift height (Duplex mast)	6300 mm	247.92 in
4.5	h4 - Height of extended mast	6880 mm	270.84 in
4.7	h6 - Height of driver protection (cab)	2200 mm	86.76 in
4.8	h7 - Height of seat	1080 mm	42.36 in
4.19	l1 - Total length	2450 mm	96.48 in
4.20	l2 - Length to fork heel	1300 mm	51.24 in
4.21	Overall length - Single/twin wheels	1270 mm / -	50.04 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	32.64 in
4.31	m1 - Ground clearance under mast	70 mm	2.76 in
4.33	Ast - Aisle width for 1000 x 1200 pallet widthwise	2690 mm	105.84 in
4.34	Ast - Aisle width for 800 x 1200 pallet lengthwise	2730 mm	107.40 in
4.35	Wa - Turning radius	1668 mm	65.64 in
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	0.49 m/s / 0.80 m/s	1.61 ft/s / 2.62 ft/s
5.3	Lowering speed laden / unladen	0.49 m/s / 0.48 m/s	1.61 ft/s / 1.57 ft/s
5.7	Maximum ramp laden / unladen	8.50 % / 11.10 %	8.50 % / 11.10 %
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 / 465 Ah	48 V / 465 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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