

Technical sheet

ER 14

Warehousing Equipment

Technical characteristics		Metric	Imperial
1.1	Manufacturer	Manitou	Manitou
1.2	Model	ER 14	ER 14
1.3	Type of traction	Electric	Electric
1.4	Type of operation	Seated	Seated
1.5	Q - Rated capacity	1400 kg	3086 lbs
1.6	c - Center of gravity of load	600 mm	0 in
1.9	y - Wheelbase	1378 mm	55.20 in
Weight			
2.1	Weight of truck in working order	2810 kg	6195 lbs
2.3	Unladen weight on front/rear axle	1690 kg / 1120 kg	3722 lbs / 2469 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	220 x 85	220 x 85
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 mm	3.30 in
Dimensions			
4.1	α / β - Front/Rear mast angle	1° / 3°	1° / 3°
4.2	h1 - Height (mast lowered)	2440 mm	96 in
4.4	h3 - Lift height (Duplex mast)	5700 mm	225.60 in
4.5	h4 - Height of extended mast	6280 mm	248.40 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	2413 mm	85.20 in
4.20	l2 - Length to fork heel	1263 mm	49.20 in
4.21	Overall length - Single/twin wheels	1120 mm / -	45.60 in / -
4.22	e / s / l - Fork dimensions	1150 x 100 x 40	45 x 4 x 1.6
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	70 mm	3.60 in
4.34	Ast - Aisle width for 800 x 1200 pallet lengthwise	2750 mm	108 in
4.35	Wa - Turning radius	1598 mm	62.40 in
Performances			
5.1	Speed of travel laden / unladen	12.30 km/h / 12.50 km/h	7.64 mph / 7.70 mph
5.2	Lifting speed laden / unladen	0.49 m/s / 0.65 m/s	1.70 ft/s / 2.10 ft/s
5.3	Lowering speed laden / unladen	0.59 m/s / 0.55 m/s	1.10 ft/s / 1.80 ft/s
5.7	Maximum ramp laden / unladen	7.50 % / 11.10 %	7.50 % / 11.10 %
5.10	Service brake	Electromagnetic	Electromagnetic
Engine			
6.1	Drive motor power rating	5.90 kW	5.90 kW
6.2	Lift motor power	11 kW	11 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	57.40 dB(A)	57.40 dB(A)



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