
Technical sheet

ER 16

Warehousing Equipment



 **MANITOU**
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Technical characteristics		Metric
1.1	Manufacturer	Manitou
1.2	Model	ER 16
1.3	Type of traction	Electric
1.4	Type of operation	Seated
1.5	Q - Rated capacity	1600 kg
1.6	c - Center of gravity of load	600 mm
1.9	y - Wheelbase	1448 mm
Weight		
2.1	Weight of truck in working order	3190 kg
2.3	Unladen weight on front/rear axle	2000 kg / 1190 kg
Wheels		
3.1	Tyre equipment: bandage (V), PPS (SE), inflatable tyre (L)	Cellular solid cushion
3.2	Size of front wheels	355 x 155
3.3	Size of rear wheels	282 x 105
3.5	Number of front wheels (x)	1x / 2
3.6	b10 - Front track	0 mm
3.7	b11 - Rear track	1130 mm
Dimensions		
4.1	α / β - Front/Rear mast angle	1° / 3°
4.2	h1 - Height (mast lowered)	2640 mm
4.4	h3 - Lift height (Duplex mast)	6300 mm
4.5	h4 - Height of extended mast	6880 mm
4.7	h6 - Height of driver protection (cab)	2200 mm
4.8	h7 - Height of seat	1080 mm
4.19	l1 - Total length	2450 mm
4.20	l2 - Length to fork heel	1300 mm
4.21	Overall length - Single/twinned wheels	1270 mm / -
4.22	e / s / l - Fork dimensions	40 x 100 x 1150
4.23	Fork carriage to DIN 15173 A/B	2A
4.24	b3 - Width of fork clamp	830 mm
4.31	m1 - Ground clearance under mast	70 mm
4.33	Ast - Aisle width for 1000 x 1200 pallet widthwise	2690 mm
4.34	Ast - Aisle width for 800 x 1200 pallet lengthwise	2730 mm
4.35	Wa - Turning radius	1668 mm
Performances		
5.1	Speed of travel laden / unladen	14.30 km/h / 14.50 km/h
5.2	Lifting speed laden / unladen	0.49 m/s / 0.80 m/s
5.3	Lowering speed laden / unladen	0.49 m/s / 0.48 m/s
5.7	Maximum ramp laden / unladen	8.50 % / 11.10 %
5.10	Service brake	Electromagnetic
Engine		
6.1	Drive motor power rating	7.20 kW
6.2	Lift motor power	15 kW
6.4	Battery voltage/capacity	48 V / 465 Ah
Miscellaneous		
8.1	Type of drive unit	Electronic
8.2	Working hydraulic pressure for attachments	150 bar
8.3	Oil flow rate for attachments	25 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator	60.80 dB(A)



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