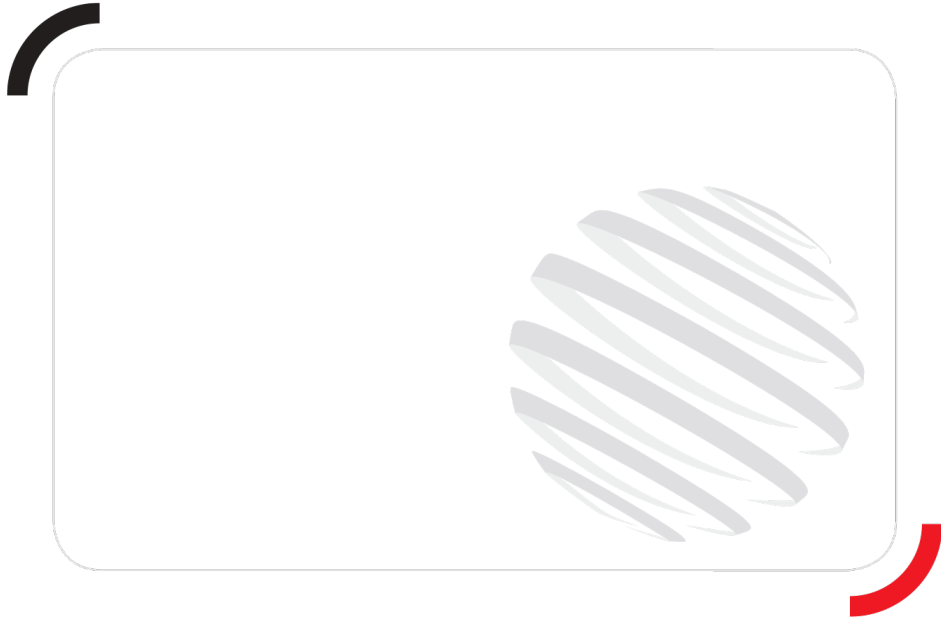


Technical sheet

ER 20

Warehousing Equipment

Technical characteristics		Metric	Imperial
1.1	Manufacturer	Manitou	Manitou
1.2	Model	ER 20	ER 20
1.3	Type of traction	Electric	Electric
1.4	Type of operation	Seated	Seated
1.5	Q - Rated capacity	2000 kg	4409 lbs
1.6	c - Center of gravity of load	600 mm	0 in
1.9	y - Wheelbase	1530 mm	60 in
Weight			
2.1	Weight of truck in working order	3740 kg	8245 lbs
2.3	Unladen weight on front/rear axle	2290 kg / 1450 kg	5049 lbs / 3197 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	3.80 in
Dimensions			
4.1	α / β - Front/Rear mast angle	1° / 3°	1° / 3°
4.2	h1 - Height (mast lowered)	2640 mm	104.40 in
4.4	h3 - Lift height (Duplex mast)	6300 mm	249.60 in
4.5	h4 - Height of extended mast	6880 mm	271.20 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	2460 mm	96 in
4.20	l2 - Length to fork heel	1310 mm	51.60 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	70 mm	3.60 in
4.33	Ast - Aisle width for 1000 x 1200 pallet widthwise	2770 mm	109.20 in
4.34	Ast - Aisle width for 800 x 1200 pallet lengthwise	2810 mm	110.40 in
4.35	Wa - Turning radius	1750 mm	69.60 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	0.37 m/s / 0.63 m/s	1.21 ft/s / 2.07 ft/s
5.3	Lowering speed laden / unladen	0.55 m/s / 0.43 m/s	1.80 ft/s / 1.41 ft/s
5.7	Maximum ramp laden / unladen	6.90 % / 10.20 %	6.90 % / 10.20 %
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)



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