

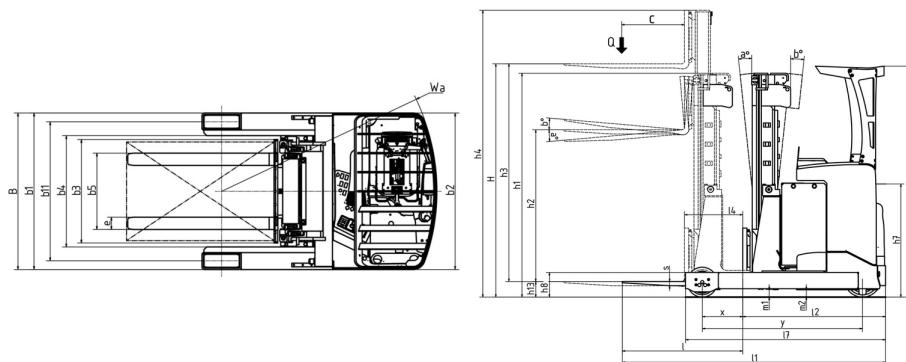
Technical sheet :

ER 14



Technical characteristics		Metric	
1.1	Manufacturer	MANITOU	
1.2	Model Name	ER 14	
1.3	Power source	Electrical - Lead	
1.4	Operator type	Seated	
1.5	Max. capacity	1400 kg	
1.6	Load center of gravity	600 mm	
1.8	Load distance, centre of drive axle to fork	307 mm	
1.9	Wheelbase	1378 mm	
Weight		Weight	
2.1	Service weight	2710 kg	
Wheels		Wheels	
3.1	Tires type	Polyurethane cushion	
3.5.2	Number of drive wheels - Size of drive wheels	1 x 355 x 155	
3.3	Number of load wheels - Size of load wheels	2 x 220 x 85	
3.5	Number of front wheels / rear wheels	1 / 2	
3.6	Front wheel gauge	0 mm	
3.7	Rear wheel gauge	995 mm	
Dimensions		Dimensions	
4.8	Seat height/stand height	1077 mm	
4.19	Overall length	2413 mm	
4.20	Length to face of forks	1263 mm	
4.21	Overall width	1120 mm	
4.22	Forks section / width / length	40 mm x 100 mm / 1150 mm	
4.23	Fork carriage ISO 2328 (class/form) A/B	2A	
4.26	Distance between wheel arms/loading surfaces	900 mm	
4.25.1	Width over forks min. / max.	316 mm / 697 mm	
4.32	Ground clearance at centre of wheelbase	70 mm	
4.33	Aisle width for 1000 x 1200 pallet lengthways	2701 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	2768 mm	
4.35	Turning radius	1598 mm	
4.7	Height of overhead guard (cabin)	2205 mm	
Performances		Performances	
5.1	Travel speed (laden / unladen)	12.30 km/h / 12.50 km/h	
5.2	Lifting speed (laden / unladen)	0.49 m/s / 0.65 m/s	
5.3	Lowering speed (laden / unladen)	0.59 m/s / 0.55 m/s	
5.4.1	Reach speed (with load / without load)	0.20 m/s / 0.20 m/s	
5.7	Gradeability (laden / unladen)	7.50 % / 11.10 %	
5.10	Service brake	Electric	
Engine		Engine	
6.1	Drive motor rating S2 60 min	5.90 kW	
6.2	Lift motor rating at S3 15%	11 kW	
6.3	Battery according to DIN 43531/35/36 A, B, C	DIN43531 B	
6.4	Battery voltage / capacity	48 V / 465 Ah	
6.5	Battery weight (+/- 5%)	731 kg	
Miscellaneous		Miscellaneous	
8.1	Type of drive control	Electronic	
8.3	Oil flow rate for attachments	25 l/min	
8.4	Sound level at the driver's ear according to DIN 12 053	57.40 dB	

ER 14 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)	FLT 48	FLT 54	FLT 57	FLT 63	FLT 68	FLT 73
α - Mast/fork carriage tilt, forward	°	3	3	3	3	3
β - Mast/fork carriage tilt, backward	°	1	1	1	1	1
h1 - Mast lowered height	mm	2140	2340	2440	2640	2790
h2 - Mast free lift	mm	1600	1800	1900	2100	2250
h3 - Mast lifting height	mm	4800	5400	5700	6300	6800
h4 - Mast extended height	mm	5380	5980	6280	6880	7330
Residual capacity with integrated side shift at max height	kg	1400	1400	1400	1000	700



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