

Technical sheet :

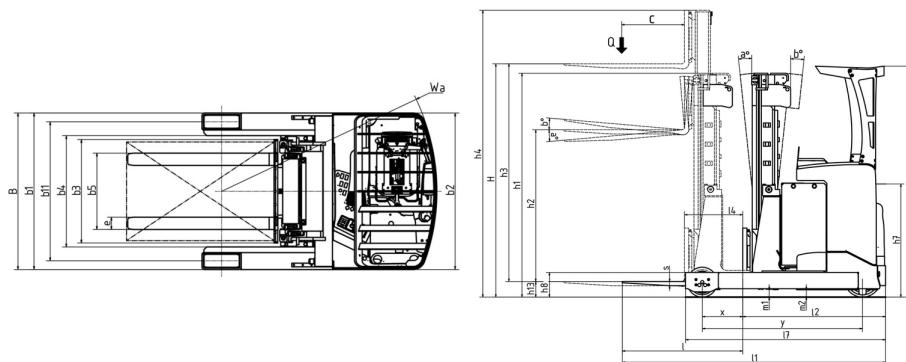
ER 16



 **MANITOU**
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer	MANITOU	
1.2	Model Name	ER 16	
1.3	Power source	Electrical - Lead	
1.4	Operator type	Seated	
1.5	Max. capacity	1600 kg	
1.6	Load center of gravity	600 mm	
1.8	Load distance, centre of drive axle to fork	439 mm	
1.9	Wheelbase	1448 mm	
Weight		Weight	
2.1	Service weight	3190 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 282 x 105	
3.5	Number of front wheels / rear wheels	1 / 2	
3.6	Front wheel gauge	0 mm	
3.7	Rear wheel gauge	1130 mm	
Dimensions		Dimensions	
4.8	Seat height/stand height	1077 mm	
4.19	Overall length	2379 mm	
4.20	Length to face of forks	1229 mm	
4.21	Overall width	1270 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	912 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	2689 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	2728 mm	
4.35	Turning radius	1668 mm	
4.7	Height of overhead guard (cabin)	2205 mm	
Performances		Performances	
5.1	Travel speed (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	
5.4.1	Reach speed (with load / without load)	0.20 m/s / 0.20 m/s	
5.7	Gradeability (laden / unladen)	8.50 % / 11.10 %	
5.10	Service brake	Electric	
Engine		Engine	
6.1	Drive motor rating S2 60 min	7.20 kW	
6.2	Lift motor rating at S3 15%	15 kW	
6.3	Battery according to DIN 43531/35/36 A, B, C	DIN 43531 C	
6.4	Battery voltage / capacity	48 V / 465 Ah	
6.5	Battery weight (+/- 5%)	735 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	60.80 dB	

ER 16 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)	FLT 48	FLT 54	FLT 63	FLT 68	FLT 73	FLT 80	FLT 85	FLT 90
α - Mast/fork carriage tilt, forward °	3	3	3	3	3	3	3	3
β - Mast/fork carriage tilt, backward °	1	1	1	1	1	1	1	1
h1 - Mast lowered height mm	2140	2340	2640	2790	2957	3190	3673	3823
h2 - Mast free lift mm	1600	1800	1900	2100	2400	2650	3100	3200
h3 - Mast lifting height mm	4800	5400	6300	6750	7250	7950	8450	8950
h4 - Mast extended height mm	5380	5980	6880	7330	7830	8530	9080	9530
Residual capacity with integrated side shift at max height kg	1600	1600	1400	1100				



Head Office

B.P. 249 - 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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