Technical sheet :

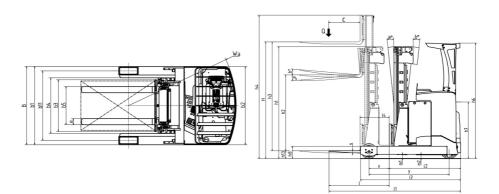




		ER 16 Created on August 11, 2025 at 7:28 AM UT				
	Technical characteristics		Metric			
1.1	Manufacturer		MANITOU			
1.2	Model Name		ER 16			
1.3	Power source		Electrical			
1.4	Operator type		Seated			
1.5	Max. capacity	0	1600 kg			
1.6	Load center of gravity	c	600 mm			
1.8	Load distance, centre of drive axle to fork	x	439 mm			
1.9	Wheelbase	y v	1448 mm			
1.5	Weight	, , , , , , , , , , , , , , , , , , ,	1440 IIIII			
2.1	Service weight		3190 kg			
2.1	Wheels		3190 kg			
3.1	Tires type		Vulkollan			
.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			
8.6	Front wheel gauge	b10	0 mm			
8.7	Rear wheel gauge	b11	1130 mm			
	Dimensions					
.8	Seat height/stand height	h7	1077 mm			
.19	Overall length	11	2379 mm			
20	Length to face of forks	12	1229 mm			
21	Overall width	b1	1270 mm			
22	Forks section / width / length	s / e / l	40 mm x 100 mm / 1150 mm			
23	Fork carriage ISO 2328 (class/form) A/B		2A			
26	Distance between wheel arms/loading surfaces	b4	912 mm			
25.1	Width over forks min. / max.	b5	316 mm / 697 mm			
32	Ground clearance at centre of wheelbase	m2	70 mm			
.33	Aisle width for 1000 x 1200 pallet lengthways		2689 mm			
34	Aisle width for 800 x 1200 pallet lengthways	Ast	2728 mm			
35	Turning radius	Wa	1668 mm			
.7	Height of overhead guard (cabin)	h6	2205 mm			
	Performances					
.1	Travel speed (laden / unladen)		14.30 km/h / 14.50 km/h			
.1	Lifting speed (laden / unladen)		0.49 m/s / 0.80 m/s			
.3	Lowering speed (laden / unladen)		0.49 m/s / 0.48 m/s			
.3 4.1	Reach speed (with load / without load)		0.20 m/s / 0.20 m/s			
10	Gradeability (laden / unladen)		8.50 % / 11.10 %			
10	Service brake		Electric			
	Engine					
.1	Drive motor rating S2 60 min		7.20 kW			
.2	Lift motor rating at S3 15%		15 kW			
.3	Battery according to DIN 43531/35/36 A, B, C		DIN 43531 C			
.4	Battery voltage / capacity		48 V / 465 Ah			
.5	Battery weight (+/- 5%)		735 kg			
	Miscellaneous					
.1	Type of drive control		Electronic			
.3	Oil flow rate for attachments		25 l/min			
3.4	Sound level at the driver's ear according to DIN 12 053		60.80 dB			

 Metric
MANITOU
ER 16
Electrical
Seated
1600 kg
600 mm
439 mm
1448 mm
3190 kg
Vulkollan
1 x 355 x 155
2 x 282 x 105
1/2
0 mm
1130 mm
1077 mm
2379 mm
1229 mm
1270 mm
40 mm x 100 mm / 1150 mm
2A
912 mm
316 mm / 697 mm
70 mm
2689 mm
2728 mm
1668 mm
2205 mm
14.30 km/h / 14.50 km/h
0.49 m/s / 0.80 m/s
0.49 m/s / 0.48 m/s
0.20 m/s / 0.20 m/s
8.50 % / 11.10 %
Electric
7.20 kW
15 kW
DIN 43531 C
48 V / 465 Ah
735 kg
Electronic
25 l/min
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	٥	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 heigth	kg	1600	1600	1400	1100				



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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