Technical sheet :

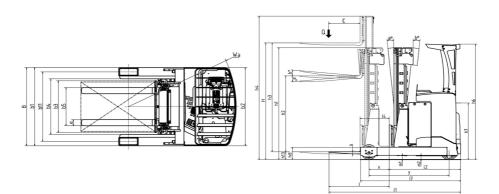




		ER 16 Cr	ER 16 Created on August 12, 2025 at 3:48 PM UTC			
	Technical characteristics		Metric			
1.1	Manufacturer		MANITOU			
1.1	Model Name		ER 16			
1.2	Power source		Electrical			
1.4	Operator type		Seated			
1.4	Max. capacity	0	1600 kg			
1.5	Load center of gravity	c	600 mm			
1.8	Load distance, centre of drive axle to fork	x	439 mm			
1.0	Wheelbase		1448 mm			
1.9		у	1448 11111			
0.1	Weight		0100 km			
2.1	Service weight		3190 kg			
	Wheels					
3.1	Tires type		Vulkollan			
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	b10	0 mm			
3.7	Rear wheel gauge	b11	1130 mm			
	Dimensions					
4.8	Seat height/stand height	h7	1077 mm			
4.19	Overall length	11	2379 mm			
4.20	Length to face of forks	12	1229 mm			
4.21	Overall width	b1	1270 mm			
4.22	Forks section / width / length	s / e / l	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	b4	912 mm			
4.25.1	Width over forks min. / max.	b5	316 mm / 697 mm			
4.32	Ground clearance at centre of wheelbase	m2	70 mm			
4.33	Aisle width for 1000 x 1200 pallet lengthways		2689 mm			
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2728 mm			
4.35	Turning radius	Wa	1668 mm			
4.7	Height of overhead guard (cabin)	h6	2205 mm			
	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			
0.10	Engine		Licouro			
6.1	Drive motor rating S2 60 min		7.20 kW			
6.2	Lift motor rating at \$3 15%		15 kW			
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN 43531 C			
6.4			48 V / 465 Ah			
6.5	Battery voltage / capacity					
0.0	Battery weight (+/- 5%)		735 kg			
0.1	Miscellaneous		Elect -			
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			

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
705 4.4
735 kg
/35 kg
Electronic

## 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	۰	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				



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