Technical sheet :

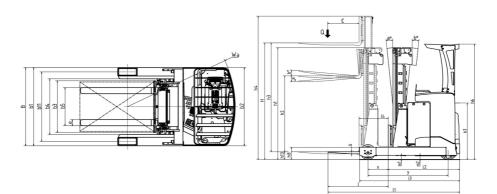




		ег т 6 Created on August 11, 2025 at 8:22 AM				
	Technical characteristics		Metric			
1.1	Manufacturer		MANITOU			
1.2	Model Name		ER 16			
1.3	Power source		Electrical			
1.4	Operator type		Seated			
1.5	Max. capacity	0	1600 kg			
1.6	Load center of gravity	C	600 mm			
1.8	Load distance, centre of drive axle to fork	x	439 mm			
1.9	Wheelbase	y y	1448 mm			
1.9	Weight	, , , , , , , , , , , , , , , , , , ,				
2.1	Service weight		3190 kg			
2.1	Wheels		5150 kg			
3.1	Tires type		Vulkollan			
3.5.2			1 x 355 x 155			
	Number of drive wheels - Size of drive wheels					
3.3	Number of load wheels - Size of load wheels		2 x 282 x 105			
3.5	Number of front wheels / rear wheels	140	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	1	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			
	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		,			
8.1	Type of drive control		Electronic			
8.3	Oil flow rate for attachments		25 l/min			
			231/11111			

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	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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