Technical sheet :

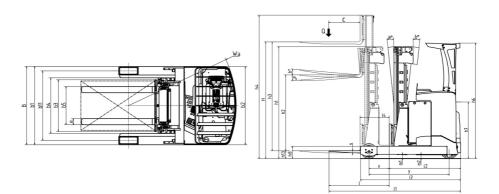




	Technical characteristics		Metric
1	Manufacturer		MANITOU
2	Model Name		ER 16
3	Power source		Electrical - Lead
4	Operator type		Seated
5	Max. capacity	Q	1600 kg
5	Load center of gravity	С	600 mm
3	Load distance, centre of drive axle to fork	x	439 mm
)	Wheelbase	у	1448 mm
	Weight		
	Service weight		3190 kg
	Wheels		
I	Tires type		Vulkollan
.2	Number of drive wheels - Size of drive wheels		1 x 355 x 155
3	Number of load wheels - Size of load wheels		2 x 282 x 105
5	Number of front wheels / rear wheels		1 / 2
5	Front wheel gauge	b10	0 mm
,	Rear wheel gauge	b11	1130 mm
	Dimensions		
}	Seat height/stand height	h7	1077 mm
9	Overall length	11	2379 mm
0	Length to face of forks	12	1229 mm
1	Overall width	b1	1270 mm
2	Forks section / width / length	s / e / l	40 mm x 100 mm / 1150 mm
3	Fork carriage ISO 2328 (class/form) A/B	0,0,1	2A
6	Distance between wheel arms/loading surfaces	b4	912 mm
5.1	Width over forks min. / max.	b5	316 mm / 697 mm
2	Ground clearance at centre of wheelbase	m2	70 mm
3	Aisle width for 1000 x 1200 pallet lengthways	1112	2689 mm
4	Aisle width for 800 x 1200 pallet lengthways	Ast	2728 mm
<del>4</del> 5	Turning radius	Wa	1668 mm
,	Height of overhead guard (cabin)	h6	2205 mm
	Performances	110	2203 11111
	Travel speed (laden / unladen)		14.30 km/h / 14.50 km/h
1 2	Lifting speed (laden / unladen)		0.49 m/s / 0.80 m/s
2 3			0.49 m/s / 0.80 m/s 0.49 m/s / 0.48 m/s
	Lowering speed (laden / unladen) Reach speed (with load / without load)		0.49 m/s / 0.48 m/s 0.20 m/s / 0.20 m/s
.1 7			
0	Gradeability (laden / unladen)		8.50 % / 11.10 %
0	Service brake		Electric
	Engine		7.00.114
	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		
l	Type of drive control		Electronic
3	Oil flow rate for attachments		25 l/min
1	Sound level at the driver's ear according to DIN 12 053		60.80 dB

метс
MANITOU
ER 16
Electrical - Lead
Seated
1600 kg
600 mm
439 mm
1448 mm
3190 kg
5150 kg
Vulkollan
1 x 355 x 155
2 x 282 x 105
1/2
0 mm
1130 mm
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2379 mm
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1270 mm
40 mm x 100 mm / 1150 mm
2A
912 mm
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2689 mm
2728 mm
1668 mm
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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 00 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
a - 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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