Technical sheet :



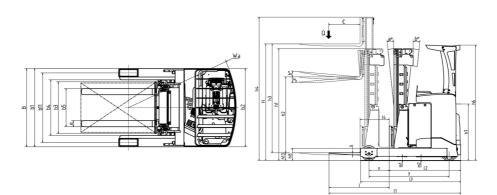


	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	с
1.8	Load distance, centre of drive axle to fork	x
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
	Wheels	
3.1	Tires type	
3.5.2	Number of drive wheels - Size of drive wheels	
3.3	Number of load wheels - Size of load wheels	
3.5	Number of front wheels / rear wheels	
3.6	Front wheel gauge	b10
3.7	Rear wheel gauge	b11
	Dimensions	
4.8	Seat height/stand height	h7
4.19	Overall length	11
4.20	Length to face of forks	12
4.21	Overall width	b1
4.22	Forks section / width / length	s / e / l
4.23	Fork carriage ISO 2328 (class/form) A/B	
4.26	Distance between wheel arms/loading surfaces	b4
4.25.1	Width over forks min. / max.	b5
4.32	Ground clearance at centre of wheelbase	m2
4.33	Aisle width for 1000 x 1200 pallet lengthways	
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast
4.35	Tuming radius	Wa
4.7	Height of overhead guard (cabin)	h6
4.7	Performances	110
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.4.1	Reach speed (with load / without load)	
5.7	Gradeability (laden / unladen)	
5.10	Service brake	
0.10	Engine	
6.1	Drive motor rating S2 60 min	
6.2	Lift motor rating at \$3 15%	
6.3	Battery according to DIN 43531/35/36 A, B, C	
6.4	Battery voltage / capacity	
6.5		
0.5	Battery weight (+/- 5%)	
0.1	Miscellaneous	
8.1 8.3	Type of drive control Oil flow rate for attachments	
8.4	Sound level at the driver's ear according to DIN 12 053	

ER 16 Created on August 13, 2025 at 12:29 AM UTC									
		Metric							
		MANITOU							
		ER 16							
		Electrical							
		Seated							
Q		1600 kg							
С		600 mm							
х		439 mm							
у		1448 mm							
		3190 kg							
		Vulkollan							
		1 x 355 x 155							
		2 x 282 x 105							
		1 / 2							
b10		0 mm							
b11		1130 mm							
h7		1077 mm							
11		2379 mm							
12		1229 mm							
b1		1270 mm							
/ e / l		40 mm x 100 mm / 1150 mm							
		2A							
b4		912 mm							
b5		316 mm / 697 mm							
m2		70 mm							
		2689 mm							
Ast		2728 mm							
Wa		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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