Technical sheet :



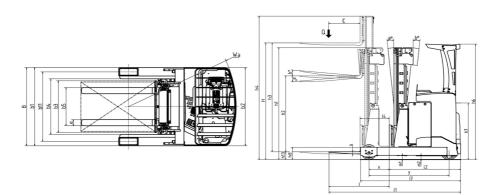


	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Load distance, centre of drive axle to fork	х
1.9	Wheelbase	У
	Weight	
2.1	Service weight	
	Wheels	
3.1	Tires type	
3.5.2	Number of drive wheels - Size 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	Turning radius	Wa
4.7	Height of overhead guard (cabin)	h6
	Performances	
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	
	Engine	
6.1	Drive motor rating S2 60 min	
6.2	Lift motor rating at S3 15%	
6.3	Battery according to DIN 43531/35/36 A, B, C	
6.4	Battery voltage / capacity	
6.5	Battery weight (+/- 5%)	
	Miscellaneous	
8.1	Type of drive control	
8.3	Oil flow rate for attachments	
8.4	Sound level at the driver's ear according to DIN 12 053	

Metric					
Manitou					
ER 12					
Electrical					
Seated					
1200 kg					
600 mm					
335 mm					
1378 mm					
2580 kg					
Vulkollan					
1 x 355 x 155					
2 x 220 x 85					
1 / 2					
0 mm					
995 mm					
1077 mm					
2413 mm					
1263 mm					
1120 mm					
40 mm x 100 mm / 1150 mm					
2A					
900 mm					
316 mm / 697 mm					
70 mm					
2694 mm					
2751 mm					
1598 mm					
2205 mm					
12.30 km/h / 12.50 km/h					
0.50 m/s / 0.65 m/s					
0.58 m/s / 0.55 m/s					
0.20 m/s / 0.20 m/s					
7.50 % / 11.10 %					
Electric					
5.90 kW					
11 kW					
DIN43531 B					
48 V / 310 Ah					
730 kg					
Electronic					
25 l/min					
57.40 dB					

ER 12 Created on July 3, 2025 at 10:24 PM UTC

ER 12 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)	FLT 48	FLT 54	FLT 57	FLT 63	FLT 68	
α - Mast/fork carriage tilt, forward °		3	3	3	3	3
β - Mast/fork carriage tilt, backward	۰	1	1	1	1	1
h1 - Mast lowered height	mm	2140	2340	2440	2640	2790
h2 - Mast free lift	mm	1600	1800	1900	2100	2250
h3 - Mast lifting height	mm	4800	5400	5700	6300	6800
h4 - Mast extended height	mm	5380	5980	6280	6880	7330
Residual capacity with integrated side shift at kg max heigth		1200	1200	1200	1000	700



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