Technical sheet :



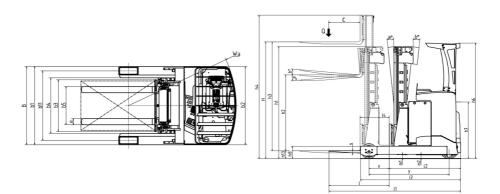


	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
.3	Power source	
1.4	Operator type	
1.5	Max. capacity	
1.6	Load center of gravity	
1.8	Load distance, centre of drive axle to fork	
1.9	Wheelbase	
	Weight	
2.1	Service weight	
	Wheels	
3.1	Tires type	
.5.2	Number of drive wheels - Size of drive wheels	
3.3	Number of load wheels - Size of load wheels	
3.5	Number of front wheels / rear wheels	
3.6	Front wheel gauge	
3.7	Rear wheel gauge	
	Dimensions	
4.7	Height of overhead guard (cabin)	
4.8	Seat height/stand height	
1.19	Overall length	
.20	Length to face of forks	
4.21	Overall width	
1.22	Forks section / width / length	
1.23	Fork carriage ISO 2328 (class/form) A/B	
4.26	Distance between wheel arms/loading surfaces	
25.1	Width over forks min. / max.	
4.32	Ground clearance at centre of wheelbase	
1.33	Aisle width for 1000 x 1200 pallet lengthways	
4.34	Aisle width for 800 x 1200 pallet lengthways	
4.35	Tuming radius	
	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
307 mm
1378 mm
2580 kg
Vulkollan
1 x 355 x 155
2 x 220*85
1/2
0 mm
995 mm
2205 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
2701 mm
2768 mm
1598 mm
12.30 km/h / 12.50 km/h
12.30 km/h / 12.50 km/h 0.46 m/s / 0.54 m/s
0.46 m/s / 0.54 m/s
0.46 m/s / 0.54 m/s 0.58 m/s / 0.60 m/s
0.46 m/s / 0.54 m/s 0.58 m/s / 0.60 m/s 0.20 m/s / 0.20 m/s
0.46 m/s / 0.54 m/s 0.58 m/s / 0.60 m/s 0.20 m/s / 0.20 m/s 7.50 % / 11.10 % Electric
0.46 m/s / 0.54 m/s 0.58 m/s / 0.60 m/s 0.20 m/s / 0.20 m/s 7.50 % / 11.10 % Electric 5.90 kW
0.46 m/s / 0.54 m/s 0.58 m/s / 0.60 m/s 0.20 m/s / 0.20 m/s 7.50 % / 11.10 % Electric 5.90 kW 11 kW
0.46 m/s / 0.54 m/s 0.58 m/s / 0.60 m/s 0.20 m/s / 0.20 m/s 7.50 % / 11.10 % Electric 5.90 kW 11 kW DIN43531 B
0.46 m/s / 0.54 m/s 0.58 m/s / 0.60 m/s 0.20 m/s / 0.20 m/s 7.50 % / 11.10 % Electric 5.90 kW 11 kW DIN43531 B 48 V / 420 Ah
0.46 m/s / 0.54 m/s 0.58 m/s / 0.60 m/s 0.20 m/s / 0.20 m/s 7.50 % / 11.10 % Electric 5.90 kW 11 kW DIN43531 B
0.46 m/s / 0.54 m/s 0.58 m/s / 0.60 m/s 0.20 m/s / 0.20 m/s 7.50 % / 11.10 % Electric 5.90 kW 11 kW DIN43531 B 48 V / 420 Ah 730 kg
0.46 m/s / 0.54 m/s 0.58 m/s / 0.60 m/s 0.20 m/s / 0.20 m/s Flectric 5.90 kW 11 kW DIN43531 B 48 V / 420 Ah 730 kg Electronic
0.46 m/s / 0.54 m/s 0.58 m/s / 0.60 m/s 0.20 m/s / 0.20 m/s 7.50 % / 11.10 % Electric 5.90 kW 11 kW DIN43531 B 48 V / 420 Ah 730 kg

ER 12 Created on 27 April 2024 at 2:32:10 PM UTC

ER 12 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 32	FVD 36	FVD 38	FVD 42	FVD 45	FVD 48
Mast/fork carriage tilt, forward	۰	4	4	4	4	4	4
Mast/fork carriage tilt, backward	۰	1	1	1	1	1	1
h1 - Mast lowered height	mm	2170	2370	2470	2670	2820	2970
h2 - Mast free lift	mm	125	125	125	125	125	125
h3 - Mast lifting height	mm	3200	3600	3800	4200	4500	4800
h4 - Mast extended height	mm	3780	4180	4380	4780	5080	5380
Residual capacity with integrated side shift at max heigth	kg	1200	1200	1200	1200	1200	1200

Free Lift Triplex (FLT)		FLT 48	FLT 54	FLT 57	FLT 63	FLT 68
Mast/fork carriage tilt, forward	۰	3	3	3	3	3
Mast/fork carriage tilt, backward	٥	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 max heigth	kg	1200	1200	1200	1000	700





This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes