Technical sheet :



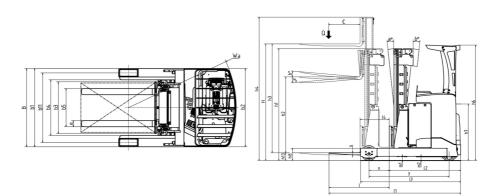


	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	
1.6	Load center of gravity	
1.8	Load distance, centre of drive axle to fork	
1.9	Wheelbase	
1.5	Weight	
2.1	Service weight	
2.1	Wheels	
3.1	Tires type	
3.5.2	Number of drive wheels - Size 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	
3.7	Rear wheel gauge	
	Dimensions	
4.7	Height of overhead guard (cabin)	
4.8	Seat height/stand height	
4.19	Overall length	
4.20	Length to face of forks	
4.21	Overall width	
4.22	Forks section / width / length	S
4.23	Fork carriage ISO 2328 (class/form) A/B	
4.26	Distance between wheel arms/loading surfaces	
4.25.1	Width over forks min. / max.	
4.32	Ground clearance at centre of wheelbase	
4.33	Aisle width for 1000 x 1200 pallet lengthways	
4.34	Aisle width for 800 x 1200 pallet lengthways	
4.35	Turning 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
I	40 mm x 100 mm / 1150 mm
	2A
	900 mm
	316 mm / 697 mm
	70 mm
	2701 mm
	2768 mm
	1598 mm
	10.00 km/k / 10.50 km/k
	12.30 km/h / 12.50 km/h
	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
	Liecuic
	5.90 kW
	11 kW
	DIN43531 B
	48 V / 420 Ah
	730 kg
	,
	Electronic
	25 l/min
	57.40 dB

ER 12 Created on May 2, 2024 at 11:06:18 AM 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	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 max heigth	kg	1200	1200	1200	1000	700



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