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	c
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	b1
3.7	Rear wheel gauge	b1
0.7	Dimensions	51
4.8	Seat height/stand height	h7
4.19	Overall length	11
4.20	Length to face of forks	12
4.20	Overall width	b1
4.22	Forks section / width / length	s / e
4.22	Fork carriage ISO 2328 (class/form) A/B	3/6
4.25	Distance between wheel arms/loading surfaces	b4
4.25.1	Width over forks min. / max.	b
4.32	Ground clearance at centre of wheelbase	m
4.33	Aisle width for 1000 x 1200 pallet lengthways	1112
4.34	Aisle width for 800 x 1200 pallet lengthways	As
4.34	Turning radius	Wa
4.33	Height of overhead guard (cabin)	he
4.7	Performances	IIC
5.1	Travel speed (laden / unladen)	
5.1	Lifting speed (laden / unladen)	
5.2	Lowering speed (laden / unladen)	
5.3 5.4.1	Lowening speed (laden / unladen) Reach speed (with load / without load)	
5.4.1	Reach speed (with load / without load) Gradeability (laden / unladen)	
5.7	Service brake	
3.10	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	Battery weight (+/- 5%)	
0.1	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	

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	Metric
	Manitou
	ER 12
	Electrical - Lead
	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	0 mm
1	995 mm
7	1077 mm
	2413 mm
2	1263 mm
1	1120 mm
e/I	40 mm x 100 mm / 1150 mm
	2A
4	900 mm
5	316 mm / 697 mm
2	70 mm
	2694 mm
st	2751 mm
a	1598 mm 2205 mm
6	2203 11111
	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 - 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 °		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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