Technical sheet :

EMA II 18 HL-1





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 Metric

 Manitou

 EMA II 18 HL-1

 Electrical

 Seated

 1750 kg

 500 mm

 308 mm

 1745 mm

 6900 kg

 4200 kg / 4500 kg

 2200 kg / 4700 kg

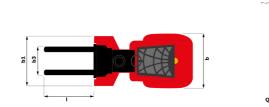
Solid tires

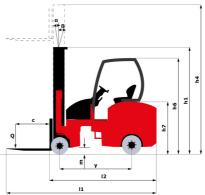
	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Load distance, centre of drive axle to fork	x
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	
	Wheels	
3.1	Tires type	
3.2	Dimensions of front wheels	
3.3	Dimensions of rear wheels	
3.5	Number of front wheels / rear wheels	
3.5.2	Number of drive wheels	
3.6	Front wheel gauge	b10
3.7	Rear wheel gauge	b11
5.7	Dimensions	bii
4.7	Height of overhead guard (cabin)	h6
4.8	Seat height/stand height	h7
4.19	Overall length	11
4.10	Length to face of forks	2
4.21	Overall width	b1
4.21	Forks section / width / length	s/e/l
4.22	Fork carriage ISO 2328 (class/form) A/B	37671
4.23	Fork carriage width	b3
4.31	Ground clearance below mast	m1
4.31	Ground clearance at centre of wheelbase	m2
4.32	Aisle Width for pallets 1000 x 1200 crossways	Ast
4.33	Aisle width for 800 x 1200 pallet lengthways	Ast
4.34	Performances	Ast
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.7	Gradeability (laden / unladen)	
5.10	Service brake	
5.10	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%) Miscellaneous	
0.1		
8.1	Type of drive control	
8.2	Working hydraulic pressure for attachments	
8.3	Oil flow rate for attachments	
8.4	Measured/guaranteed mean noise level at the ear of the operator	
8.4	Sound level at the driver's ear according to DIN 12 053	

Solid tires				
412 x 178				
457 x 178				
2 / 2				
2				
1110 mm				
1250 mm				
2260 mm				
1200 mm				
3740 mm				
2590 mm				
1250 mm				
40 mm x 125 mm x 1150 mm				
2				
860 mm				
50 mm				
130 mm				
1950 mm				
2200 mm				
9 km/h-9.50 km/h				
0.35 m/s-0.45 m/s				
0.40 m/s-0.36 m/s				
8 % / 10.50 %				
Hydraulic				
10 kW				
9 kW				
DIN 43595				
48 V / 775 Ah				
1435 kg				
Marfat AQ an and a antrolly				
Mosfet AC speed controller				
200 bar				
25 l/min < 73 dB				
< /3 OB				

73 dB

EMA II 18 HL-1 - Dimensional drawing





Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 80	FLT 84	FLT 86	FLT 90	FLT 95	FLT 100	FLT 102	FLT 106
Mast/fork carriage tilt, forward	۰	1	1	1	1	1	1	1	1
Mast/fork carriage tilt, backward	٥	4	4	4	4	4	4	4	4
h1 - Mast lowered height	mm	3720	3900	4020	4150	4500	4590	4690	4820
h2 - Mast free lift	mm	2900	3080	3200	3330	3650	3770	3870	4000
h3 - Mast lifting height	mm	8010	8400	8610	9000	9500	10020	10200	10560
h4 - Mast extended height	mm	8840	9230	9440	9830	10475	10850	11175	11535
Residual capacity with integrated side shift at max heigth	kg	1250	1150	1150	1000	1000	750	750	650



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