Technical sheet :

## EMA II 18 HL-1





EMA II 18 HL-1 Created on Mag	ay 4, 2024 at 3:42:58 AM UTC
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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

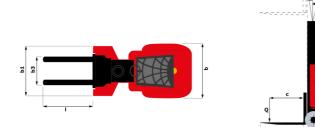
 2200 kg / 4700 kg

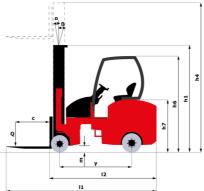
Solid tires 412 x 178 457 x 178 2/2 2 1110 mm 1250 mm 2260 mm 1200 mm 3740 mm 2590 mm 1250 mm 40 mm x 125 mm x 1150 mm 2 860 mm 50 mm 130 mm 1950 mm 2200 mm 9 km/h-9.50 km/h

	Technical characteristics	
1.1	Manufacturer	
1.1	Model Name	
1.3	Power source	
1.4	Operator type	
1.4	Max. capacity	Q
1.6	Load center of gravity	c
1.8	Load distance, centre of drive axle to fork	x
1.8	Wheelbase	
1.9	Weight	У
2.1	Service weight	
2.1	Weight on front axle (laden) / rear axle (laden)	
2.2	Weight on front axle (Unladen) / rear axle (Unladen)	
2.3		
3.1	Wheels	
3.1	Tires type Dimensions of front wheels	
	Dimensions of riont wheels Dimensions of rear wheels	
3.3 3.5	Number of front wheels / rear wheels	
3.5.2 3.6	Number of drive wheels	h10
3.0	Front wheel gauge	b10
3.7	Rear wheel gauge	b11
4.7	Dimensions	h.c.
	Height of overhead guard (cabin)	h6
4.8	Seat height/stand height	h7
4.19 4.20	Overall length	1  2
	Length to face of forks	
4.21	Overall width	b1
4.22	Forks section / width / length	s / e / l
4.23 4.24	Fork carriage ISO 2328 (class/form) A/B	<b>F</b> 0
4.24	Fork carriage width Ground clearance below mast	b3 m1
4.31	Ground clearance below mast	m2
4.32	Aisle Width for pallets 1000 x 1200 crossways	Ast
4.33		Ast
4.54	Aisle width for 800 x 1200 pallet lengthways Performances	ASI
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 S3 15%	
6.3	Battery according to DIN 43531/35/36 A, B, C	
6.4	Battery voltage / capacity	
6.5	Battery weight (+/- 5%)	
0.0	Miscellaneous	
8.1	Type of drive control	
8.2	Working hydraulic pressure for attachments	
8.2	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	
0.4	Sound level at the unversional according to privile 2000	

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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
Mosfet AC speed controller
200 bar
25 l/min
< 73 dB
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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