Technical sheet :

## EMA II 18 HL-1



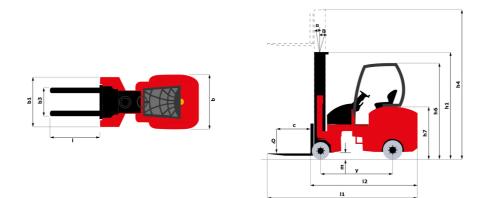


	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Load distance, centre of drive axle to fork	х
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight 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	b10
5.7	Dimensions	611
4.7	Height of overhead guard (cabin)	h6
4.7	Seat height/stand height	h7
4.0	Overall length	1
4.19	Length to face of forks	12
	Overall width	12 b1
4.21		
4.22	Forks section / width / length	s / e / l
4.23	Fork carriage ISO 2328 (class/form) A/B	
4.24	Fork carriage width	b3
4.31	Ground clearance below mast	m1
4.32	Ground clearance at centre of wheelbase	m2
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast
	Performances	
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	
	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	
8.2	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	

## ЕМА II 18 HL-1 Created on 2 May 2024 at 02:09:14 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						
1	1250 mm						
	2260 mm						
	1200 mm						
	3740 mm						
	2590 mm						
	1250 mm						
/1	40 mm x 125 mm x 1150 mm						
	2						
	860 mm						
	50 mm						
	130 mm						
t	1950 mm						
t	2200 mm						
	9 km/h-9.50 km/h						
	0.35 m/s-0.45 m/s						
	0.35 m/s-0.45 m/s 0.40 m/s-0.36 m/s						
	8 % / 10.50 %						
	Hydraulic						
	nyuldulie						
	10 kW						
	9 kW						
	DIN 43595						
	48 V / 775 Ah						
	1435 kg						
	Mosfet AC speed controller						
	200 bar						
	250 Juli 25 I/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 °		1	1	1	1	1	1	1	1
Mast/fork carriage tilt, backward °		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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