Technical sheet :

EMA II 18 HL-1



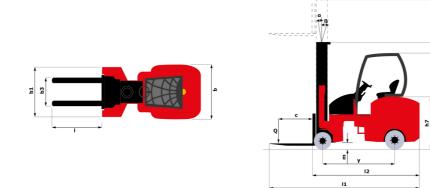


		EMAILIBAL-I	ealet
	Technical characteristics		
1.1	Manufacturer		
1.2	Model Name		
1.3	Power source		
1.4	Operator type		
1.5	Max. capacity	Q	
1.6	Load center of gravity	c	
1.8	Load distance, centre of drive axle to fork	x	
1.9	Wheelbase	у	
	Weight		
2.1	Service weight		
2.2	Weight on front axle (laden) / 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	511	
4.7	Height of overhead guard (cabin)	h6	
4.8	Seat height/stand height	h7	
4.19	Overall length	1	
4.10	Length to face of forks	12	
4.20	Overall width	b1	
4.21	Forks section / width / length	s/e/l	
4.23	Fork carriage ISO 2328 (class/form) A/B	37671	
4.24	Fork carriage width	b3	
4.24	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	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			
6.2	Drive motor rating \$2 60 min		
	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%)		
0.1	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		

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 2200 kg / 4700 kg 2200 kg / 4700 kg 200 kg / 4700 kg 200 kg / 4700 kg 200 kg / 4700 kg 210 412 x 178 412 x 178 2 / 2 2 1110 mm 1250 mm 2260 mm 1200 mm 2590 mm 1200 mm 2590 mm 1200 mm 2590 mm 1250 mm 2500 mm 1250 mm 10 km 2 860 mm 50 mm 130 mm 10 kW <	Metric
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1750 kg 500 mm 308 mm 1745 mm 6900 kg 4200 kg / 4500 kg 2200 kg / 4700 kg 2200 kg / 4700 kg 200 kg / 4700 kg 21 110 mm 2 / 2 2 / 2 2 / 2 2 / 2 2 / 2 2 / 2 2 / 2 2 / 2 2 / 2 2 / 2 2 / 2 2 / 2 2 / 2 3 / 40 mm 2 / 20 mm 3 / 40 mm 3 / 40 mm 3 / 40 mm 1 / 250 mm 3 / 40 mm	Electrical
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1745 mm 6900 kg 4200 kg / 4500 kg 2200 kg / 4700 kg Solid tires 412 x 178 412 x 178 4157 x 178 2 / 2 2 /	500 mm
6900 kg 4200 kg / 4500 kg 2200 kg / 4700 kg Solid tires 412 x 178 412 x 178 412 x 178 2 / 2 3 / 40 mm 1 / 250 mm 3 / 40 mm x 125 mm x 1150 mm 2 / 2 3 / 40 mm x 125 mm x 1150 mm 4 / 0 mm x 125 mm x 1150 mm 3 / 40 mm x 125 mm x 1150 mm 3 / 40 mm x 125 mm x 1150 mm 3 / 40 mm x 125 mm 4 / 40 mm x 125 mm 3 / 40 mm x 125 mm 4 / 41 / 41 / 41 / 41 / 41 / 41 / 41 /	308 mm
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40 mm x 125 mm x 1150 mm 2 860 mm 50 mm 130 mm 130 mm 2200 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 Mosfet AC speed controller 200 bar 25 l/min < 73 dB	2590 mm
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1950 mm 2200 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 10 N 43595 48 V / 775 Ah 1435 kg Mosfet AC speed controller 200 bar 25 l/min < 73 dB	50 mm
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DIN 43595 48 V / 775 Ah 1435 kg Mosfet AC speed controller 200 bar 25 l/min < 73 dB	
48 V / 775 Ah 1435 kg Mosfet AC speed controller 200 bar 25 l/min < 73 dB	
1435 kg Mosfet AC speed controller 200 bar 25 l/min < 73 dB	
Mosfet AC speed controller 200 bar 25 l/min < 73 dB	
200 bar 25 l/min < 73 dB	1430 Kg
200 bar 25 l/min < 73 dB	Mosfet AC speed controller
25 l/min < 73 dB	
< 73 dB	
	< 73 dB

h1 h4

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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