Technical sheet:

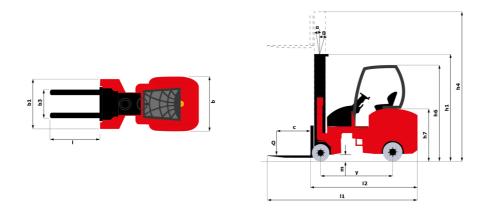
EMA II 18 HL-2





	EMAII IOILE 0	EMA II 18 HL-2 Created on June 16, 2025 at 12.29 PW 010				
Technical characteristics		Metric				
Manufacturer		Manitou				
Model Name		EMA II 18 HL-2				
Power source		Electrical				
Operator type		Seated				
Max. capacity	Q	1750 kg				
Load center of gravity	c	500 mm				
Load distance, centre of drive axle to fork	X	308 mm				
Wheelbase	у	1745 mm				
Weight						
Service weight		8700 kg				
Weight on front axle (laden) / rear axle (laden)		6330 kg / 4080 kg				
Weight on front axle (Unladen) / rear axle (Unladen)		3480 kg / 5220 kg				
Wheels		0 100 kg / 0220 kg				
Tires type		Solid tires				
Dimensions of front wheels		412 x 178				
Dimensions of rear wheels		457 x 178				
Number of front wheels / rear wheels		2/2				
Number of triont wheels		2				
	b10	2 1110 mm				
Front wheel gauge	b10	1350 mm				
Rear wheel gauge	DII	1350 mm				
Dimensions	16	00/0				
Height of overhead guard (cabin)	h6	2260 mm				
Seat height/stand height	h7	1200 mm				
Overall length	l1	3740 mm				
Length to face of forks	12	2590 mm				
Overall width	b1	1350 mm				
Forks section / width / length	s / e / l	40 mm x 125 mm x 1150 mm				
Fork carriage ISO 2328 (class/form) A/B		2				
Fork carriage width	b3	860 mm				
Ground clearance below mast	m1	50 mm				
Ground clearance at centre of wheelbase	m2	130 mm				
Aisle Width for pallets 1000 x 1200 crossways	Ast	2000 mm				
Aisle width for 800 x 1200 pallet lengthways	Ast	2200 mm				
Performances						
Travel speed (laden / unladen)		9 km/h-9.50 km/h				
Lifting speed (laden / unladen)		0.35 m/s-0.45 m/s				
Lowering speed (laden / unladen)		0.40 m/s-0.36 m/s				
Gradeability (laden / unladen)		8 % / 10.50 %				
Service brake		Hydraulic				
Engine						
Drive motor rating S2 60 min		10 kW				
Lift motor rating at S3 15%		9 kW				
Battery according to DIN 43531/35/36 A, B, C		DIN 43595				
Battery voltage / capacity		48 V / 930 Ah				
Battery weight (+/- 5%)		1300 kg				
Miscellaneous						
Type of drive control		Mosfet AC speed controller				
Working hydraulic pressure for attachments		200 bar				
Oil flow rate for attachments		25 l/min				
Measured/guaranteed mean noise level at the ear of the operator		< 73 dB				
Sound level at the driver's ear according to DIN 12 053		73 dB				

EMA II 18 HL-2 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 80	FLT 84	FLT 90	FLT 95	FLT 100	FLT 102	FLT 110	FLT 120	FLT 125	FLT 127
α - Mast/fork carriage tilt, forward	۰	1	1	1	1	1	1	1	1	1	1
β - Mast/fork carriage tilt, backward	٠	4	4	4	4	4	4	4	4	4	4
h1 - Mast lowered height	mm	3720	3900	4150	4270	4590	4690	5000	5340	5550	5570
h2 - Mast free lift	mm	2900	3080	3330	3650	3770	3870	4180	4520	4680	4750
h3 - Mast lifting height	mm	8010	8400	9000	9500	10020	10200	11010	12000	12510	12720
h4 - Mast extended height	mm	8840	9230	9830	10350	10850	11175	11985	13005	13485	13695
Residual capacity with integrated side shift at max heigth	kg	1250	1250	1250	1100	1100	1000	850	750	700	500





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