Technical sheet:

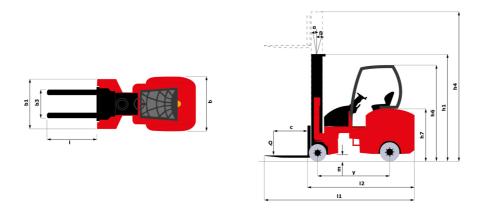
EMA II 18 HL-1





Technical characteristics		Metric
Manufacturer		Manitou
Model Name		EMA II 18 HL-1
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	Х	308 mm
Wheelbase	у	1745 mm
Weight		
Service weight		6900 kg
Weight on front axle (laden) / rear axle (laden)		4200 kg / 4500 kg
Weight on front axle (Unladen) / rear axle (Unladen)		2200 kg / 4700 kg
Wheels		
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 drive wheels		2
Front wheel gauge	b10	1110 mm
Rear wheel gauge	b11	1250 mm
Dimensions	511	1250 11111
Height of overhead guard (cabin)	h6	2260 mm
Seat height/stand height	h7	1200 mm
Overall length	 I1	3740 mm
Length to face of forks	12	2590 mm
Overall width	b1	1250 mm
Forks section / width / length	s / e / l	40 mm x 125 mm x 1150 mm
Fork carriage ISO 2328 (class/form) A/B	37671	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	1950 mm
Aisle width for 800 x 1200 pallet lengthways	Ast	2200 mm
Performances	Ast	2200 111111
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		Trydiadile
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 / 775 Ah
Battery weight (+/- 5%)		1435 kg
Miscellaneous		1400 kg
Type of drive control		Mosfet AC speed controller
		Mostet AC speed controller 200 bar
Working hydraulic pressure for attachments		200 bar 25 l/min
Oil flow rate for attachments		25 I/MIN < 73 dB
Measured/guaranteed mean noise level at the ear of the operator		
Sound level at the driver's ear according to DIN 12 053		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
α - Mast/fork carriage tilt, forward	۰	1	1	1	1	1	1	1	1
β - Mast/fork carriage tilt, backward	٠	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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