Technical sheet:

EMA II 18 HL-2





Load center of gravity Load distance, centre of drive axle to fork Wheelbase Weight Service weight Weight on front axle (laden) / rear axle (laden) Weight on front axle (Unladen) / rear axle (Unladen) Wheels Tires type Dimensions of front wheels Dimensions of rear wheels Number of front wheels / rear wheels Number of drive wheels Front wheel gauge Rear wheel gauge Dimensions Height of overhead guard (cabin) Seat height/stand height Overall length Length to face of forks Overall width	Metric Manitou EMA II 18 HL-2 Electrical Seated Q 1750 kg c 500 mm x 308 mm y 1745 mm 8700 kg 6330 kg / 4080 kg 3480 kg / 5220 kg Solid tires 412 x 178 457 x 178 2 / 2 2 b10 1110 mm b11 1350 mm
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Rear wheel gauge Dimensions Height of overhead guard (cabin) Seat height/stand height Overall length Length to face of forks Overall width Forks section / width / length	b11 1350 mm
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Seat height/stand height Overall length Length to face of forks Overall width Forks section / width / length	
Overall length Length to face of forks Overall width Forks section / width / length s /	h6 2260 mm
Length to face of forks Overall width Forks section / width / length s /	h7 1200 mm
Overall width Forks section / width / length s /	l1 3740 mm
Forks section / width / length s /	12 2590 mm
	b1 1350 mm
Fork carriage ISO 2328 (class/form) A/B	/ e / l 40 mm x 125 mm x 1150 mm
	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 \$2 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/quaranteed 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-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
Mast/fork carriage tilt, forward	۰	1	1	1	1	1	1	1	1	1	1
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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