Technical sheet:

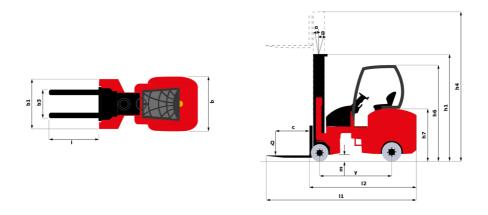
EMA II 18 HL-1





Technical characteristics Manufacturer Model Name Power source Operator type Max. capacity Load center of gravity Load distance, centre of drive axle to fork Wheelbase Weight Service weight Weight on front axle (laden) / rear axle (laden)	Q c x y	Metric Manitou EMA II 18 HL-1 Electrical Seated 1750 kg 500 mm 308 mm 1745 mm
Model Name Power source Operator type Max. capacity Load center of gravity Load distance, centre of drive axle to fork Wheelbase Weight Service weight	C X	EMA II 18 HL-1 Electrical Seated 1750 kg 500 mm 308 mm 1745 mm
Power source Operator type Max. capacity Load center of gravity Load distance, centre of drive axle to fork Wheelbase Weight Service weight	C X	Electrical Seated 1750 kg 500 mm 308 mm 1745 mm
Operator type Max. capacity Load center of gravity Load distance, centre of drive axle to fork Wheelbase Weight Service weight	C X	Seated 1750 kg 500 mm 308 mm 1745 mm
Max. capacity Load center of gravity Load distance, centre of drive axle to fork Wheelbase Weight Service weight	C X	1750 kg 500 mm 308 mm 1745 mm
Load center of gravity Load distance, centre of drive axle to fork Wheelbase Weight Service weight	C X	500 mm 308 mm 1745 mm
Load distance, centre of drive axle to fork Wheelbase Weight Service weight	х	308 mm 1745 mm
Wheelbase Weight Service weight		1745 mm
Wheelbase Weight Service weight	у	
Weight Service weight		
Service weight		6900 ka
-		
		4200 kg / 4500 kg
Weight on front axle (Unladen) / rear axle (Unladen)		2200 kg / 4700 kg
Wheels		2200 kg / 1700 kg
1 Tires type		Solid tires
2 Dimensions of front wheels		412 x 178
B Dimensions of rear wheels		457 x 178
Number of front wheels / rear wheels		2/2
.2 Number of drive wheels		2
	b10	1110 mm
3 3		
3 3	b11	1250 mm
Dimensions	16	2252
Height of overhead guard (cabin)	h6	2260 mm
Seat height/stand height	h7	1200 mm
9 Overall length	l1	3740 mm
0 Length to face of forks	12	2590 mm
1 Overall width	b1	1250 mm
2 Forks section / width / length	s / e / l	40 mm x 125 mm x 1150 mm
Fork carriage ISO 2328 (class/form) A/B		2
4 Fork carriage width	b3	860 mm
1 Ground clearance below mast	m1	50 mm
2 Ground clearance at centre of wheelbase	m2	130 mm
3 Aisle Width for pallets 1000 x 1200 crossways	Ast	1950 mm
4 Aisle width for 800 x 1200 pallet lengthways	Ast	2200 mm
Performances		
Travel speed (laden / unladen)		9 km/h-9.50 km/h
2 Lifting speed (laden / unladen)		0.35 m/s-0.45 m/s
B Lowering speed (laden / unladen)		0.40 m/s-0.36 m/s
7 Gradeability (laden / unladen)		8 % / 10.50 %
0 Service brake		Hydraulic
Engine		
Drive motor rating S2 60 min		10 kW
2 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		
Type of drive control		Mosfet AC speed controller
2 Working hydraulic pressure for attachments		200 bar
3 Oil flow rate for attachments		25 I/min
4 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-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	۰	1	1	1	1	1	1	1	1
Mast/fork carriage tilt, backward	۰	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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