Technical sheet:

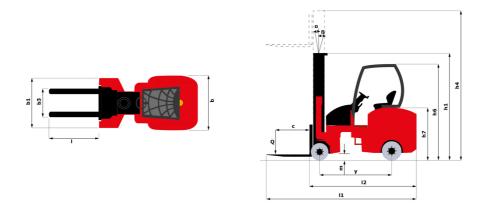
EMA II 18 HL-1





Technical characteristics Manufacturer Model Name EMA II 18 HL-1 Power source Operator type Seated Max. capacity Load center of gravity Load distance, centre of drive axle to fork X 308 mm Wheelbase Y 1745 mm 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 front wheels Pront wheels / rear wheels Pront wheel gauge Height of overhead guard (cabin) Height of overhead guard (cabin) Height of overhead guard (cabin) Metric Manitou EMA II 18 HL-1 ELAT II 18 HL-I ELAT II 18 HL-I ELAT II 18 HL-I ELAT II 18 HL-I ELAT II 18 HL-II ELAT II 18 II 18 IL 18 ELAT II 18 II 18 II 18 ELAT II 18 II
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Weight 6900 kg Service weight 6900 kg Weight on front axle (laden) / rear axle (Unladen) 4200 kg / 4500 kg Wheels 2200 kg / 4700 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 drive wheels 2 / 2 Front wheel gauge b10 1110 mm Rear wheel gauge b11 1250 mm Dimensions
Service weight Weight on front axle (laden) / rear axle (Unladen) Weight on front axle (Unladen) / rear axle (Unladen) Wheels Tires type Solid tires Dimensions of front wheels Dimensions of rear wheels Number of front wheels / rear wheels Number of drive wheels Front wheel gauge Buther of the wheels Front wheel gauge Dimensions Buther of the wheels Buther of th
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2 Number of drive wheels 2 Front wheel gauge b10 1110 mm Rear wheel gauge b11 1250 mm Dimensions
Front wheel gauge b10 1110 mm Rear wheel gauge b11 1250 mm Dimensions
Rear wheel gauge b11 1250 mm Dimensions
Dimensions
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Seat height/stand height h7 1200 mm
O verall length II 3740 mm
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Fork carriage width b3 860 mm
Ground clearance below mast m1 50 mm
Ground clearance at centre of wheelbase m2 130 mm
Ast 1950 mm
4 Aisle width for 800 x 1200 pallet lengthways Ast 2200 mm
Performances O los (to 40 o Coulomb de Coul
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 Comment of the
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
Type of drive control Mosfet AC speed controller
Working hydraulic pressure for attachments 200 bar
Oil flow rate for attachments 25 I/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-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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