Technical sheet :



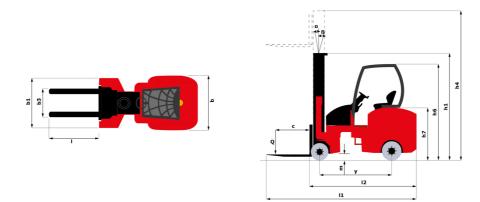




	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Load distance, centre of drive axle to fork	х
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	
	Wheels	
3.1	Tires type	
3.2	Dimensions of front wheels	
3.3	Dimensions of rear wheels	
3.5	Number of front wheels / rear wheels	
3.5.2	Number of drive wheels	
3.6	Front wheel gauge	b10
3.7	Rear wheel gauge	b10
5.7	Dimensions	DIT
4.7	Height of overhead guard (cabin)	h6
4.8	Seat height/stand height	h7
4.19	Overall length	11
4.10	Length to face of forks	12
4.20	Overall width	b1
4.21	Forks section / width / length	s/e/
4.22	Fork carriage ISO 2328 (class/form) A/B	3/6/
4.23	Fork carriage width	b3
4.24	Ground clearance below mast	m1
4.31	Ground clearance at centre of wheelbase	m2
4.32	Aisle Width for pallets 1000 x 1200 crossways	Ast
4.33	Aisle width for 800 x 1200 pallet lengthways	Ast
4.04	Arste widen for 800 x 1200 panet lengenways Performances	ASI
5.1	Travel speed (laden / unladen)	
5.1	Lifting speed (laden / unladen)	
5.2		
5.3	Lowering speed (laden / unladen)	
	Gradeability (laden / unladen) Service brake	
5.10		
6.1	Engine	
6.1	Drive motor rating S2 60 min	
6.2	Lift motor rating at S3 15%	
6.3	Battery according to DIN 43531/35/36 A, B, C	
6.4	Battery voltage / capacity	
6.5	Battery weight (+/- 5%)	
	Miscellaneous	
8.1	Type of drive control	
8.2	Working hydraulic pressure for attachments	
8.3	Oil flow rate for attachments	
8.4	Measured/guaranteed mean noise level at the ear of the operator	
8.4	Sound level at the driver's ear according to DIN 12 053	

EMA II	■ Created on June 17, 2025 at 11:19 AM UTC
	Metric
	Manitou
	EMA II 13
	Electrical
	Seated
Q	1300 kg
c	500 mm
x	278 mm
y	1855 mm
}	
	5900 kg
	3350 kg / 3850 kg
	1900 kg / 4000 kg
	1300 kg / 4000 kg
	Solid tires
	412 x 127 mm
	457 x 152 mm
	2/2
	2
b10	825 mm
b11	1060 mm
h6	2260 mm
h7	1200 mm
11	3890 mm
12	2740 mm
b1	1060 mm
s / e / l	40 mm x 100 mm x 1150 mm
	2
b3	860 mm
m1	50 mm
m2	130 mm
Ast	1700 mm
Ast	1900 mm
	9 km/h-9.50 km/h
	0.35 m/s-0.45 m/s
	0.40 m/s-0.35 m/s
	8 % / 10.50 %
	Hydraulic
	10 kW
	9 kW
	DIN 43595
	48 V / 620 Ah
	1030 kg
	Mosfet AC speed controller
	200 bar
	25 l/min
	< 73 dB
	73 dB

EMA II 13 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)	FLT 42	FLT 50	FLT 56	FLT 60	FLT 66	FLT 76	
α - Mast/fork carriage tilt, forward °		1	1	1	1	1	1
β - Mast/fork carriage tilt, backward	۰	3	3	3	3	3	3
h1 - Mast lowered height	mm	2360	2630	2810	2960	3210	3650
h2 - Mast free lift	mm	1400	1750	193	2080	2330	2670
h3 - Mast lifting height	mm	4200	5010	5550	6000	6600	7620
h4 - Mast extended height	mm	5030	5910	6450	6900	7500	8520
Residual capacity with integrated side shift at max heigth	kg	1300	1200	1100	1000	900	750



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