Technical sheet :







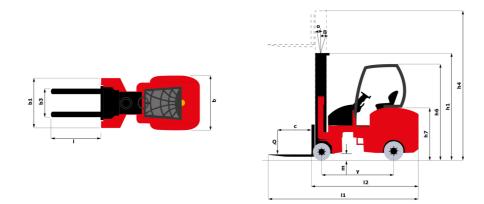
	Technical characteristics	
1	Manufacturer	
2	Model Name	
3	Power source	
4	Operator type	
5	Max. capacity	
5	Load center of gravity	
3	Load distance, centre of drive axle to fork	
)	Wheelbase	
	Weight	
	Service weight	
	Weight on front axle (laden) / rear axle (laden)	
	Weight on front axle (Unladen) / rear axle (Unladen)	
	Wheels	
	Tires type	
	Dimensions of front wheels	
	Dimensions of rear wheels	
	Number of front wheels / rear wheels	
2	Number of drive wheels	
	Front wheel gauge	
,	Rear wheel gauge	
7		
7	Dimensions	
	Height of overhead guard (cabin)	
}	Seat height/stand height	
9	Overall length	
20	Length to face of forks	
.1	Overall width	
22	Forks section / width / length	
23	Fork carriage ISO 2328 (class/form) A/B	
4	Fork carriage width	
1	Ground clearance below mast	
32	Ground clearance at centre of wheelbase	
33	Aisle Width for pallets 1000 x 1200 crossways	
4	Aisle width for 800 x 1200 pallet lengthways	
	Performances	
I	Travel speed (laden / unladen)	
2	Lifting speed (laden / unladen)	
3	Lowering speed (laden / unladen)	
7	Gradeability (laden / unladen)	
10	Service brake	
	Engine	
1	Drive motor rating S2 60 min	
2	Lift motor rating at S3 15%	
3	Battery according to DIN 43531/35/36 A, B, C	
	Battery voltage / capacity	
	Battery weight (+/- 5%)	
5	Miscellaneous	
1	Type of drive control	
2	Working hydraulic pressure for attachments	
3	Oil flow rate for attachments	
4	Measured/guaranteed mean noise level at the ear of the operator	
Ļ	Sound level at the driver's ear according to DIN 12 053	

EMA II 13	Created on June	16, 2025	at 2:45	AM UTC
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	Metric
	Manitou
	EMA II 13
	Electrical
	Seated
Q	1300 kg
c	500 kg
x	278 mm
y	1855 mm
,	
	5900 kg
	3350 kg / 3850 kg
	1900 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
1	3890 mm
12	2740 mm
b1	1060 mm
/ 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
a - Mast/fork carriage tilt, forward	۰	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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