Technical sheet :



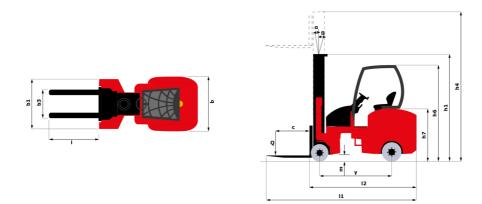




	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Load distance, centre of drive axle to fork	х
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight 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	b1
3.7	Rear wheel gauge	b1
0.7	Dimensions	51
4.7	Height of overhead guard (cabin)	he
4.8	Seat height/stand height	hī
4.19	Overall length	11
4.19	Length to face of forks	12
4.20	Overall width	12 b1
4.21	Forks section / width / length	s/e
4.22		s/e
4.23	Fork carriage ISO 2328 (class/form) A/B Fork carriage width	b
4.24	Ground clearance below mast	m
4.32	Ground clearance at centre of wheelbase	m:
4.33	Aisle Width for pallets 1000 x 1200 crossways	As
4.34	Aisle width for 800 x 1200 pallet lengthways	As
	Performances	
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.7	Gradeability (laden / unladen)	
5.10	Service brake	
	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 1	■ Created on May 1, 2024 at 11:03:06 PM UTC						
	Metric						
	Manitou						
	EMA II 13						
	Electrical						
	Seated						
Q	1300 kg						
с	500 mm						
x	278 mm						
у	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						
s / e / l	40 mm x 100 mm x 1150 mm 2						
b3	2 860 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	
Mast/fork carriage tilt, forward		1	1	1	1	1	1
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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