Technical sheet :





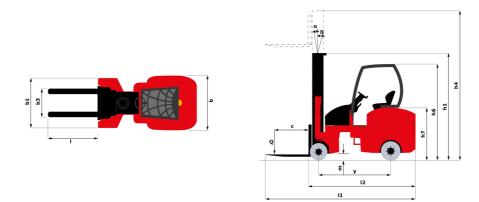


	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	
1.6	Load center of gravity	
1.8	Load distance, centre of drive axle to fork	
1.9	Wheelbase	
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight 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	
3.7	Rear wheel gauge	
3.7	Dimensions	
4.7		
4.7	Height of overhead guard (cabin)	
4.8	Seat height/stand height	
4.19	Overall length	
4.20	Length to face of forks	
4.21	Overall width	
4.22	Forks section / width / length	
4.23	Fork carriage ISO 2328 (class/form) A/B	
4.24	Fork carriage width	
4.31	Ground clearance below mast	
4.32	Ground clearance at centre of wheelbase	
4.33	Aisle Width for pallets 1000 x 1200 crossways	
4.34	Aisle width for 800 x 1200 pallet lengthways	
	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	
0.4	Sound rever at the universited according to privile 2.033	

	Metric							
	Manitou							
	EMA II 13							
	Electrical							
	Seated							
	1300 kg							
	500 mm							
	278 mm							
	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							
	825 mm							
	1060 mm							
	2260 mm							
	1200 mm							
	3890 mm							
	2740 mm							
	1060 mm							
/1	40 mm x 100 mm x 1150 mm							
	2							
	860 mm							
	50 mm							
	130 mm							
	1700 mm							
	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							
	250 Juli							
	< 73 dB							
	773 00							

73 dB

EMA II 13 - Dimensional drawing



EMA II 13 Created on June 8, 2025 at 11:44 PM UTC

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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