Technical sheet :



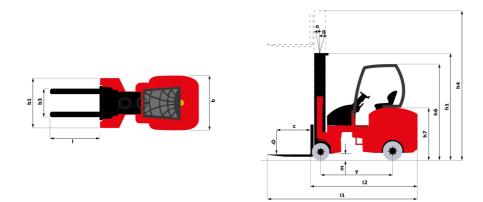




	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	
1.6	Load center of gravity	
1.8	Load distance, centre of drive axle to fork	
1.9	Wheelbase	
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight 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	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	S
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	
	Sound level at the driver's ear according to DIN 12 053	

EMA II 1	▼ Created on August 19, 2025 at 6:03 PM UTC
	Metric
	Manitou
	EMA II 17
	Electrical - Lead
	Seated
Q	1700 kg
С	500 mm
x	278 mm
у	1745 mm
	6000 kg
	4250 kg / 3250 kg
	2000 kg / 4000 kg
	Solid tires
	412 x 152
	457 x 152 2 / 2
	272
b10	960 mm
b10	1080 mm
DIT	1000 mm
h6	2260 mm
h7	1200 mm
1	3710 mm
12	2560 mm
b1	1080 mm
s / e / l	40 mm x 100 mm x 1150 mm
	2
b3	860 mm
m1	50 mm
m2	130 mm
Ast	1800 mm
Ast	2000 mm
	9 km/h-9.50 km/h
	0.35 m/s-0.45 m/s
	0.40 m/s-0.36 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 17 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 39	FLT 42	FLT 46	FLT 48	FLT 50	FLT 52	FLT 56	FLT 60	FLT 66	FLT 72	FLT 76
α - Mast/fork carriage tilt, forward	۰	1	1	1	1	1	1	1	1	1	1	1
β - Mast/fork carriage tilt, backward	۰	3	3	3	3	3	3	3	3	3	3	3
h1 - Mast lowered height	mm	2210	2300	2440	2500	2570	2640	2750	2900	3150	3400	3590
h2 - Mast free lift	mm	1390	1480	1620	1680	1750	1820	1930	2080	23300	2580	2770
h3 - Mast lifting height	mm	3930	4200	4620	4800	5010	5220	5550	6000	6600	7200	7620
h4 - Mast extended height	mm	4760	5030	5450	5630	5840	6050	6380	6830	7430	8030	8450
Residual capacity with integrated side shift at max heigth	kg	1250	1300	1300	1200	1200	1200	1200	1100	950	900	900



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