

Technical sheet :

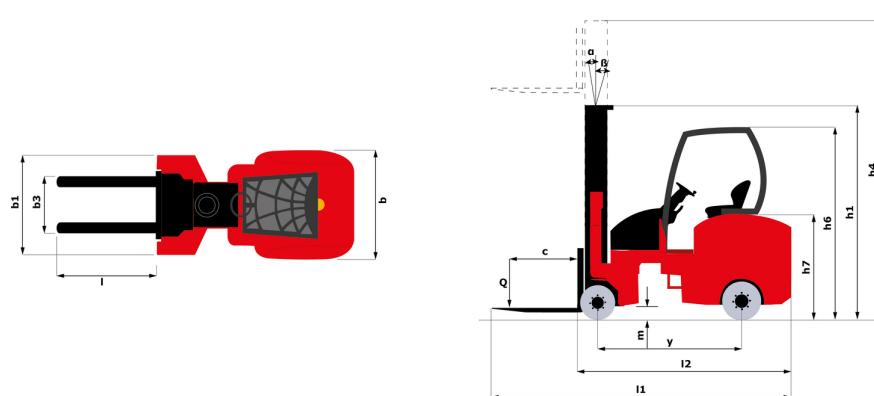
EMA II 17



 **MANITOU**
HANDLING YOUR WORLD

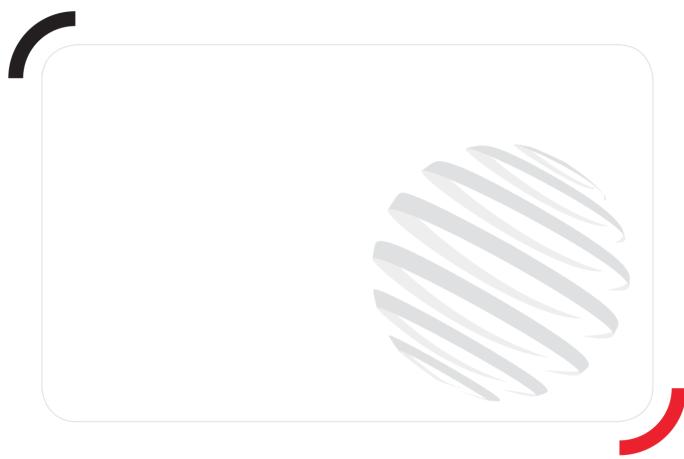
Technical characteristics		Metric	
1.1	Manufacturer	Manitou	
1.2	Model Name	EMA II 17	
1.3	Power source	Electrical - Lead	
1.4	Operator type	Seated	
1.5	Max. capacity	1700 kg	
1.6	Load center of gravity	500 mm	
1.8	Load distance, centre of drive axle to fork	278 mm	
1.9	Wheelbase	1745 mm	
Weight		Weight	
2.1	Service weight	6000 kg	
2.2	Weight on front axle (laden) / rear axle (laden)	4250 kg / 3250 kg	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	2000 kg / 4000 kg	
Wheels		Wheels	
3.1	Tires type	Solid tires	
3.2	Dimensions of front wheels	412 x 152	
3.3	Dimensions of rear wheels	457 x 152	
3.5	Number of front wheels / rear wheels	2 / 2	
3.5.2	Number of drive wheels	2	
3.6	Front wheel gauge	960 mm	
3.7	Rear wheel gauge	1080 mm	
Dimensions		Dimensions	
4.8	Seat height/stand height	1200 mm	
4.7	Height of overhead guard (cabin)	2260 mm	
4.19	Overall length	3710 mm	
4.20	Length to face of forks	2560 mm	
4.21	Overall width	1080 mm	
4.22	Forks section / width / length	40 mm x 100 mm x 1150 mm	
4.23	Fork carriage ISO 2328 (class/form) A/B	2	
4.24	Fork carriage width	860 mm	
4.31	Ground clearance below mast	50 mm	
4.32	Ground clearance at centre of wheelbase	130 mm	
4.33	Aisle Width for pallets 1000 x 1200 crossways	1800 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	2000 mm	
Performances		Performances	
5.1	Travel speed (laden / unladen)	9 km/h-9.50 km/h	
5.2	Lifting speed (laden / unladen)	0.35 m/s-0.45 m/s	
5.3	Lowering speed (laden / unladen)	0.40 m/s-0.36 m/s	
5.7	Gradeability (laden / unladen)	8 % / 10.50 %	
5.10	Service brake	Hydraulic	
Engine		Engine	
6.1	Drive motor rating S2 60 min	10 kW	
6.2	Lift motor rating at S3 15%	9 kW	
6.3	Battery according to DIN 43531/35/36 A, B, C	DIN 43595	
6.4	Battery voltage / capacity	48 V / 620 Ah	
6.5	Battery weight (+/- 5%)	1030 kg	
Miscellaneous		Miscellaneous	
8.1	Type of drive control	Mosfet AC speed controller	
8.2	Working hydraulic pressure for attachments	200 bar	
8.3	Oil flow rate for attachments	25 l/min	
8.4	Measured/guaranteed mean noise level at the ear of the operator	73 dB	
8.4	Sound level at the driver's ear according to DIN 12 053	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 °	1	1	1	1	1	1	1	1	1	1	1
β - Mast/fork carriage tilt, backward °	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 height kg	1250	1300	1300	1200	1200	1200	1200	1100	950	900	900



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