Technical sheet:

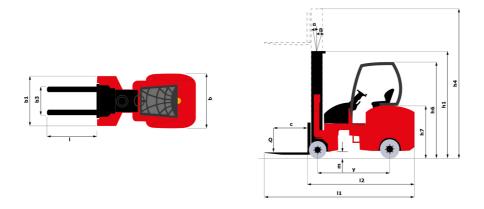
EMA II 13





Technical characteristics		Metric	
Manufacturer		Manitou	
Model Name		EMA II 13	
Power source		Electrical	
Operator type		Seated	
Max. capacity	Q	1300 kg	
Load center of gravity	С	500 mm	
Load distance, centre of drive axle to fork	х	278 mm	
Wheelbase	у	1855 mm	
Weight			
Service weight		5900 kg	
Weight on front axle (laden) / rear axle (laden)		3350 kg / 3850 kg	
Weight on front axle (Unladen) / rear axle (Unladen)		1900 kg / 4000 kg	
Wheels			
Tires type		Solid tires	
Dimensions of front wheels		412 x 127 mm	
Dimensions of rear wheels		457 x 152 mm	
Number of front wheels / rear wheels		2/2	
Number of drive wheels		2	
Front wheel gauge	b10	825 mm	
Rear wheel gauge	b11	1060 mm	
Dimensions			
Height of overhead guard (cabin)	h6	2260 mm	
Seat height/stand height	h7	1200 mm	
Overall length	l1	3890 mm	
Length to face of forks	12	2740 mm	
Overall width	b1	1060 mm	
Forks section / width / length	s / e / l	40 mm x 100 mm x 1150 mm	
Fork carriage ISO 2328 (class/form) A/B	-, -, -	2	
Fork carriage width	b3	860 mm	
Ground clearance below mast	m1	50 mm	
Ground clearance at centre of wheelbase	m2	130 mm	
Aisle Width for pallets 1000 x 1200 crossways	Ast	1700 mm	
Aisle width for 800 x 1200 pallet lengthways	Ast	1900 mm	
Performances	7.00	1700 11111	
Travel speed (laden / unladen)		9 km/h-9.50 km/h	
Lifting speed (laden / unladen)		0.35 m/s-0.45 m/s	
Lowering speed (laden / unladen)		0.40 m/s-0.35 m/s	
Gradeability (laden / unladen)		8 % / 10.50 %	
Service brake		Hydraulic	
Engine		riyaladile	
Drive motor rating S2 60 min		10 kW	
Lift motor rating at S3 15%		9 kW	
Battery according to DIN 43531/35/36 A, B, C		DIN 43595	
		48 V / 620 Ah	
Battery voltage / capacity		48 V / 620 An 1030 kg	
Battery weight (+/- 5%)		1030 Kg	
Miscellaneous The of divergental		Monfot A C	
Type of drive control		Mosfet AC speed controller	
Working hydraulic pressure for attachments		200 bar	
Oil flow rate for attachments		25 I/min	
Measured/guaranteed mean noise level at the ear of the operator		< 73 dB	
Sound level at the driver's ear according to DIN 12 053		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
α - 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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