Technical sheet:

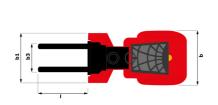
EMA II 13

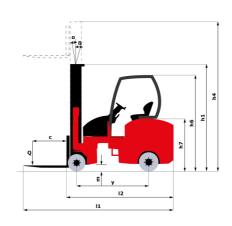




		EMA II 13 Greated on April 19, 2024 at 10.42.40 AWI OT				
	Technical characteristics		Metric	Imperial		
1.1	Manufacturer		Manitou	Manitou		
1.2	Model Name		EMA II 13	EMA II 13		
.3	Power source		Electrical	Electrical		
.4	Operator type		Seated	Seated		
.5	Max. capacity	Q 1300 kg		2866 lb		
.6	Load center of gravity	С	500 mm	20 in		
.8	Load distance, centre of drive axle to fork	Х	278 mm	11 in		
.9	Wheelbase	у	1855 mm	73 in		
	Weight					
.1	Service weight		5900 kg	13007 lb		
.2	Weight on front axle (laden) / rear axle (laden)		3350 kg / 3850 kg	7385 lb / 8488 lb		
.3	Weight on front axle (Unladen) / rear axle (Unladen)		1900 kg / 4000 kg	4189 lb / 8818 lb		
	Wheels		<u>y</u> <u>y</u>			
.1	Tires type		Solid tires	Solid tires		
.2	Dimensions of front wheels		412 x 127 mm	412 x 127 mm		
.3	Dimensions of rear wheels		457 x 152 mm	457 x 152 mm		
.5	Number of front wheels / rear wheels		2 / 2	2/2		
5.2	Number of drive wheels		2	2		
.6	Front wheel gauge	b10	825 mm	32 in		
.7	Rear wheel gauge	b11	1060 mm	42 in		
.,	Dimensions	BII	1000 11111	42 111		
.7	Height of overhead quard (cabin)	h6	2260 mm	89 in		
.8	Seat height/stand height	h7	1200 mm	47 in		
19	Overall length	l1	3890 mm	153 in		
20	Length to face of forks	12	2740 mm	108 in		
21	Overall width	b1	1060 mm	42 in		
22	Forks section / width / length	s / e / l	40 mm x 100 mm x 1150 mm	2 in x 4 in x 45 in		
23	Fork carriage ISO 2328 (class/form) A/B	3/6/1	2	2 111 X 4 111 X 43 111		
23 24	Fork carriage width	b3	860 mm	34 in		
31	·					
	Ground clearance below mast	m1 m2	50 mm	2 in 5 in		
32 33	Ground clearance at centre of wheelbase		130 mm 1700 mm	67 in		
	Aisle Width for pallets 1000 x 1200 crossways	Ast				
34	Aisle width for 800 x 1200 pallet lengthways	Ast	1900 mm	75 in		
1	Performances Travel asset (ladar / unladar)		9 km/h-9.50 km/h	C mak C mak		
.1	Travel speed (laden / unladen)			6 mph-6 mph		
	Lifting speed (laden / unladen)		0.35 m/s-0.45 m/s	1 ft/s-1 ft/s		
.3	Lowering speed (laden / unladen)		0.40 m/s-0.35 m/s	1 ft/s-1 ft/s		
	Gradeability (laden / unladen)		8 % / 10.50 %	8 % / 10.50 %		
10	Service brake		Hydraulic	Hydraulic		
1	Engine		10 kW	10 bW		
.1	Drive motor rating \$2 60 min		10 kW 9 kW	10 kW		
.2	Lift motor rating at S3 15%			9 kW		
.3	Battery according to DIN 43531/35/36 A, B, C		DIN 43595	DIN 43595		
.4	Battery voltage / capacity		48 V / 620 Ah	48 V / 620 Ah		
.5	Battery weight (+/- 5%)		1030 kg	2271 lb		
1	Miscellaneous		Marfatt 10 and 1 and 1	Marfat AC		
.1	Type of drive control		Mosfet AC speed controller	Mosfet AC speed controller		
.2	Working hydraulic pressure for attachments		200 bar	2901 PSI		
.3	Oil flow rate for attachments		25 I/min	7 US gpm		
.4	Measured/guaranteed mean noise level at the ear of the operator		< 73 dB	< 73 dB		
3.4	Sound level at the driver's ear according to DIN 12 053		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	in (mm)	92.9 (2360)	103.5 (2630)	110.6 (2810)	116.5 (2960)	126.4 (3210)	143.7 (3650)
h2 - Mast free lift	in (mm)	55.1 (1400)	68.9 (1750)	7.6 (193)	81.9 (2080)	91.7 (2330)	105.1 (2670)
h3 - Mast lifting height	in (mm)	165.4 (4200)	197.2 (5010)	218.5 (5550)	236.2 (6000)	259.8 (6600)	300 (7620)
h4 - Mast extended height	in (mm)	198 (5030)	232.7 (5910)	253.9 (6450)	271.7 (6900)	295.3 (7500)	335.4 (8520)
Residual capacity with integrated side shift at max heigth	lb (kg)	2866 (1300)	2646 (1200)	2425 (1100)	2205 (1000)	1984 (900)	1653 (750)





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