Technical sheet:

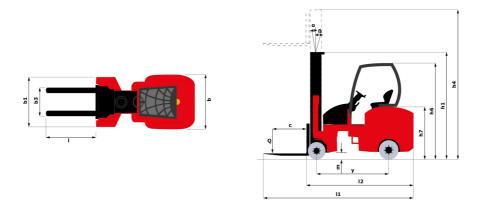
EMA II 20





Technical characteristics Manufacturer		Metric
Manufacturer		
		Manitou
Model Name		EMA II 20
Power source		Electrical
Operator type		Seated
Max. capacity	Q	2000 kg
Load center of gravity	C	500 mm
Load distance, centre of drive axle to fork	Х	278 mm
Wheelbase	у	1745 mm
Weight		
Service weight		6600 kg
Weight on front axle (laden) / rear axle (laden)		4800 kg / 4400 kg
Weight on front axle (Unladen) / rear axle (Unladen)		2200 kg / 4400 kg
Wheels		
Tires type		Solid tires
Dimensions of front wheels		412 x 178
Dimensions of rear wheels		457 x 152
Number of front wheels / rear wheels		2/2
Number of drive wheels		2
	b10	1125 mm
Front wheel gauge	b11	1125 mm
Rear wheel gauge	DII	1200 mm
Dimensions	14	2012
Height of overhead guard (cabin)	h6	2260 mm
Seat height/stand height	h7	1200 mm
Overall length	l1	3710 mm
Length to face of forks	12	2560 mm
Overall width	b1	1200 mm
Forks section / width / length	s / e / l	40 mm x 125 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	1900 mm
Aisle width for 800 x 1200 pallet lengthways	Ast	2100 mm
Performances		
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-0.36 m/s
Gradeability (laden / unladen)		8 % / 10.50 %
Service brake		Hydraulic
Engine		
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
Battery voltage / capacity		48 V / 750 Ah
Battery weight (+/- 5%)		1135 kg
Miscellaneous		
Type of drive control		Mosfet AC speed controller
Working hydraulic pressure for attachments		200 bar
Oil flow rate for attachments		25 l/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 20 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 42	FLT 45	FLT 50	FLT 56	FLT 60	FLT 66	FLT 72	FLT 76	FLT 80	FLT 86	FLT 90	FLT 95	FLT 102
α - Mast/fork carriage tilt, forward	۰	1	1	1	1	1	1	1	1	1	1	1	1	1
β - Mast/fork carriage tilt, backward	٠	3	3	3	3	3	3	3	3	3	3	3	3	3
h1 - Mast lowered height	mm	2300	2410	2570	2750	2900	3150	3400	3590	3720	4020	4150	4500	4690
h2 - Mast free lift	mm	1480	1590	1750	1930	2080	2330	2580	2770	2900	3200	3330	3650	3870
h3 - Mast lifting height	mm	4200	4530	5010	5550	6000	6600	7200	7620	8010	8610	9000	9500	10200
h4 - Mast extended height	mm	5030	5360	5840	6380	6830	7430	8030	8450	8840	9440	9830	10475	11175
Residual capacity with integrated side shift at max heigth	kg	1800	1700	1600	1500	1400	1300	1200	1150	1080	1000	1000	900	750





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