Technical sheet :







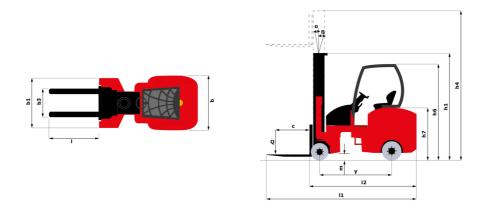
	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	с
1.8	Load distance, centre of drive axle to fork	x
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight 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	b10
3.7	Rear wheel gauge	b11
017	Dimensions	511
4.7	Height of overhead guard (cabin)	h6
4.8	Seat height/stand height	h7
4.19	Overall length	11
4.20	Length to face of forks	12
4.21	Overall width	b1
4.22	Forks section / width / length	s/e/l
4.23	Fork carriage ISO 2328 (class/form) A/B	0, 0, 1
4.24	Fork carriage width	b3
4.31	Ground clearance below mast	m1
4.32	Ground clearance at centre of wheelbase	m2
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast
	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	
5.10	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%)	
0.5	Miscellaneous	
8.1	Type of drive control	
8.1	Vorking hydraulic pressure for attachments	
8.2		
8.3	Oil flow rate for attachments	
	Measured/guaranteed mean noise level at the ear of the operator	
8.4	Sound level at the driver's ear according to DIN 12 053	

	Metric								
	Manitou								
	EMA II 20								
	Electrical								
	Seated								
	2000 kg								
	500 mm								
	278 mm								
	1745 mm								
	6600 kg								
	4800 kg / 4400 kg								
	2200 kg / 4400 kg								
	Solid tires								
	412 x 178								
	457 x 152								
	2/2								
	2								
	1125 mm								
	1200 mm								
	1200 mm								
	2260 mm								
	1200 mm								
	3710 mm								
	2560 mm								
	1200 mm								
1	40 mm x 125 mm x 1150 mm								
	2								
	860 mm								
	50 mm								
	130 mm								
	1900 mm								
	2100 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 / 750 Ah								
	1135 kg								
	Mosfet AC speed controller								
	200 bar								
	200 bui								

25 l/min < 73 dB 73 dB

EMA II 20 Created on May 4, 2024 at 12:26:07 PM UTC

## 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
Mast/fork carriage tilt, forward	۰	1	1	1	1	1	1	1	1	1	1	1	1	1
Mast/fork carriage tilt, backward	۰	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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