Technical sheet :







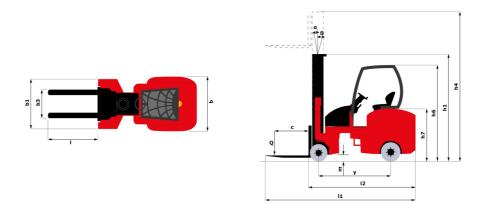
1.1	Technical characteristics
	Manufacturer
	Model Name
	Power source
	Operator type
	Max. capacity
	Load center of gravity
	Load distance, centre of drive axle to fork
	Wheelbase
	Weight
	Service weight
2	Weight on front axle (laden) / rear axle (laden)
	Weight on front axle (Unladen) / rear axle (Unladen)
	Wheels
	Tires type
	Dimensions of front wheels
	Dimensions of rear wheels
	Number of front wheels / rear wheels
	Number of the wheels
	Front wheel gauge
	Rear wheel gauge
	Dimensions
	Height of overhead guard (cabin)
	Seat height/stand height
	Overall length
	Length to face of forks
	Overall width
	Forks section / width / length
:	Fork carriage ISO 2328 (class/form) A/B
4	Fork carriage width
	Ground clearance below mast
2	Ground clearance at centre of wheelbase
	Aisle Width for pallets 1000 x 1200 crossways
	Aisle width for 800 x 1200 pallet lengthways
	Performances
	Travel speed (laden / unladen)
	Lifting speed (laden / unladen)
	Lowering speed (laden / unladen)
	Gradeability (laden / unladen)
	Service brake
	Engine
	Drive motor rating S2 60 min
	Lift motor rating at S3 15%
	Battery according to DIN 43531/35/36 A, B, C
	Battery voltage / capacity
	Battery worldge / capacity Battery weight (+/- 5%)
	Miscellaneous
	Type of drive control
	Working hydraulic pressure for attachments
	Oil flow rate for attachments
	Measured/guaranteed mean noise level at the ear of the operator
	Sound level at the driver's ear according to DIN 12 053

	Metric								
	Manitou								
	EMA II 20								
	Electrical								
	Seated								
Q	2000 kg								
С	500 mm								
x	278 mm								
у	1745 mm								
	6600 kg								
	4800 kg / 4400 kg								
	2200 kg / 4400 kg								
	Solid tires								
	412 x 178								
	457 x 152								
	2 / 2								
	2								
b10	1125 mm								
b11	1200 mm								
h6	2260 mm								
h6 h7	1200 mm								
17	3710 mm								
12	2560 mm								
b1	1200 mm								
s/e/l	40 mm x 125 mm x 1150 mm								
5/8/1	40 mm x 125 mm x 1150 mm								
b3	860 mm								
m1	50 mm								
m2	130 mm								
Ast	1900 mm								
Ast	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								

25 l/min < 73 dB 73 dB

EMA II 20 Created on April 2, 2025 at 9:25 AM 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
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	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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