Technical sheet :





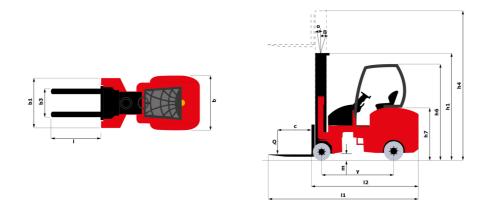


Technical characteristics
Manufacturer
Model Name
Power source
Operator type
Max. capacity
Load center of gravity
Load distance, centre of drive axle to fork
Wheelbase
Weight
Service weight
Weight on front axle (laden) / rear axle (laden)
Weight on front axle (Unladen) / rear axle (Unladen)
Wheels
Tires type
Dimensions of front wheels
Dimensions of rear wheels
Number of front wheels / rear wheels
Number of trive 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
Fork carriage width
Ground clearance below mast
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 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

## EMA II 20 Created on 3 May 2024 at 2:54:30 AM UTC

	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
	g,g
	Solid tires
	412 x 178
	457 x 152
	2/2
	2
D	1125 mm
1	1200 mm
	2260 mm
,	1200 mm
	3710 mm
	2560 mm
	1200 mm
/1	40 mm x 125 mm x 1150 mm
	2
1	860 mm
1	50 mm
2	130 mm
t	1900 mm
t	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 - 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	٥	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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