Technical sheet:

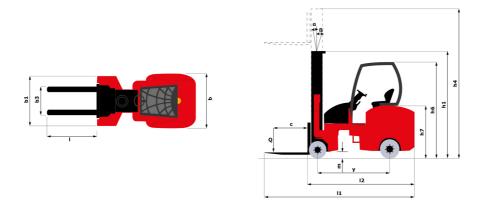
## EMA II 13





Technical characteristics		Metric
Manufacturer		Manitou
Model Name		EMA II 13
Power source		Electrical
Operator type		Seated
Max. capacity	Q	1300 kg
	C	500 mm
		278 mm
		1855 mm
	,	
		5900 kg
•		3350 kg / 3850 kg
		1900 kg / 4000 kg
		1900 kg / 4000 kg
		Solid tires
		412 x 127 mm
		412 X 127 Hilli 457 x 152 mm
		2 / 2 2
	110	
		825 mm
	b11	1060 mm
		2260 mm
		1200 mm
•		3890 mm
·		2740 mm
		1060 mm
Forks section / width / length	s / e / l	40 mm x 100 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	1700 mm
Aisle width for 800 x 1200 pallet lengthways	Ast	1900 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-0.35 m/s
		8 % / 10.50 %
Service brake		Hydraulic
		,
-		10 kW
•		9 kW
-		DIN 43595
		48 V / 620 Ah
		1030 kg
, , ,		1000 kg
Type of drive control	_	Mosfet AC speed controller
**		200 bar
Working hydraulic pressure for attachments		
Oil flow rate for attachments  Measured/quaranteed mean noise level at the ear of the operator		25 l/min < 73 dB
	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 drive wheels Front wheel gauge Pimensions 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 2228 (class/form) A/B Fork carriage ISO 2228 (class/form) A/B Fork carriage ISO 2228 (class/form) Aisle width for pallets 1000 x 1200 crossways Aisle width for pallets 1000 x 1200 crossways Aisle width for pallets 1000 x 1200 crossways Aisle width for speed (laden / unladen) Lifting speed (laden / unladen) Lowering speed (laden / unladen) Cradeability (laden / unladen) Service brake Engine Drive motor rating at S3 15% Battery woltage / capacity Battery weight (4/- 5%) Miscellaneous	Model Name Power source Operator type Max. capacity Q Load center of gravity Load distance, cente of drive axle to fork Wheelbase Weight Service weight Weight on front axle (Idden) / rear axle (Idden) Weight on front axle (Unladen) / rear axle (Unladen) Weight for front axle (Unladen) / rear axle (Unladen) Weight for front axle (Unladen) / rear axle (Unladen) Weight for front axle (Unladen) / rear axle (Unladen)  Wheels Tires type Dimensions of front wheels Dimensions of rear wheels Number of drive wheels / rear wheels Number of drive wheels / rear wheels Number of drive wheels Pront wheel gauge bit Dimensions Height of owenead guard (cabin) Seat height/stand height Dimensions Height of owenead guard (cabin) Seat height/stand height Drevail length Fork carriage (ISO 2328 (class/form) A/B Fork carriage (IS

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
α - Mast/fork carriage tilt, forward	۰	1	1	1	1	1	1
β - Mast/fork carriage tilt, backward	۰	3	3	3	3	3	3
h1 - Mast lowered height	mm	2360	2630	2810	2960	3210	3650
h2 - Mast free lift	mm	1400	1750	193	2080	2330	2670
h3 - Mast lifting height	mm	4200	5010	5550	6000	6600	7620
h4 - Mast extended height	mm	5030	5910	6450	6900	7500	8520
Residual capacity with integrated side shift at max heigth	kg	1300	1200	1100	1000	900	750





## **Head Office**

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