Technical sheet :

EMA II 18 HL-1



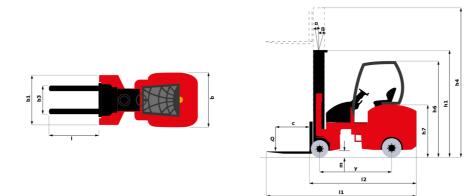


Manitou EMA II 18 HL-1

		EMA II 18 AL-1	Greated
	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	c	
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)		
2.10	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		
3.5.2	Front wheel gauge	b10	
3.7	Rear wheel gauge	b10	
3./	Dimensions	UTT	
4.7	Height of overhead guard (cabin)	h6	
4.7	Seat height/stand height	h7	
4.19	Overall length	1	
4.19	Length to face of forks	2	
4.20	Overall width	b1	
4.21	Forks section / width / length	s/e/l	
4.22	Fork carriage ISO 2328 (class/form) A/B	37671	
4.23	Fork carriage width	b3	
4.24	Ground clearance below mast		
4.31	Ground clearance at centre of wheelbase	m1 m2	
4.33 4.34	Aisle Width for pallets 1000 x 1200 crossways	Ast	
4.34	Aisle width for 800 x 1200 pallet lengthways Performances	Ast	
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		
3.10	Engine		
6.1			
6.1 6.2	Drive motor rating S2 60 min		
	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%)		
	Miscellaneous		
8.1	Type of drive control		
8.2	Working hydraulic pressure for attachments		
8.3	Oil flow rate for attachments		
8.4	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		

	EMA II 18 HL-1
	Electrical
	Seated
	1750 kg
	500 mm
	308 mm
	1745 mm
	6900 kg
	4200 kg / 4500 kg
	2200 kg / 4700 kg
	Solid tires
	412 x 178
	457 x 178
	2/2
	2
	2 1110 mm
	1250 mm
	1230 1111
	2260 mm
	1200 mm
	3740 mm
	2590 mm
	1250 mm
I	40 mm x 125 mm x 1150 mm
	2
	860 mm
	50 mm
	130 mm
	1950 mm
	2200 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 / 775 Ah
	1435 kg
	Mosfet AC speed controller
	200 bar
	25 l/min
	< 73 dB
	73 dB

EMA II 18 HL-1 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 80	FLT 84	FLT 86	FLT 90	FLT 95	FLT 100	FLT 102	FLT 106
Mast/fork carriage tilt, forward °		1	1	1	1	1	1	1	1
Mast/fork carriage tilt, backward °		4	4	4	4	4	4	4	4
h1 - Mast lowered height	mm	3720	3900	4020	4150	4500	4590	4690	4820
h2 - Mast free lift	mm	2900	3080	3200	3330	3650	3770	3870	4000
h3 - Mast lifting height	mm	8010	8400	8610	9000	9500	10020	10200	10560
h4 - Mast extended height	mm	8840	9230	9440	9830	10475	10850	11175	11535
Residual capacity with integrated side shift at max heigth	kg	1250	1150	1150	1000	1000	750	750	650



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