Technical sheet:

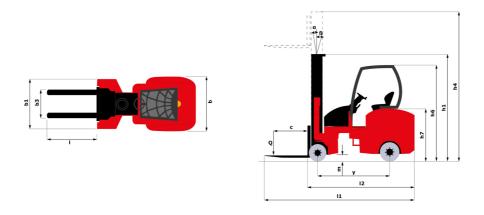
## **EMA II 20 HD-2**





	EMA II 20 HD-2 Cleated Oil May 4, 2024	<b>EMA II 20 HD-2</b> Greated on May 4, 2024 at 3.41.33 AW 010			
Technical characteristics	Metri	c			
.1 Manufacturer	Manito	ou			
.2 Model Name	EMA II 20	HD-2			
1.3 Power source	Electric	cal			
1.4 Operator type	Seate	d			
1.5 Max. capacity	Q 2000 F	ιg			
1.6 Load center of gravity	c 500 m	.m			
Load distance, centre of drive axle to fork	x 278 m	m			
I.9 Wheelbase	y 1745 n				
Weight					
2.1 Service weight	8700 F	Κα			
2.2 Weight on front axle (laden) / rear axle (laden)	6330 kg / 4	-			
2.3 Weight on front axle (Unladen) / rear axle (Unladen)	3480 kg / 5				
Wheels	and the second s				
3.1 Tires type	Solid ti	res			
3.2 Dimensions of front wheels	412 x 1				
3.3 Dimensions of rear wheels	457 x 1				
8.5 Number of front wheels / rear wheels	2/2				
5.2 Number of drive wheels	2				
3.6 Front wheel gauge	b10 1110 n	nm.			
3.7 Rear wheel gauge	b11 1370 n				
Dimensions	D11 1370 II	1111			
1.7 Height of overhead guard (cabin)	h6 2260 n				
1.8 Seat height/stand height	h7 1200 m				
.19 Overall length	11 1200 II				
.20 Length to face of forks	12 2560 n				
.21 Overall width	b1 1350 n				
.22 Forks section / width / length	s / e / l 40 mm x 125 mm				
· ·	\$7 e71 40 mm x 123 mm	1 X 1130 111111			
.23 Fork carriage ISO 2328 (class/form) A/B					
.24 Fork carriage width					
.31 Ground clearance below mast					
.32 Ground clearance at centre of wheelbase	m2 130 m				
Aisle Width for pallets 1000 x 1200 crossways	Ast 2000 m				
.34 Aisle width for 800 x 1200 pallet lengthways	Ast 2200 n	ım			
Performances	0.501 //				
Travel speed (laden / unladen)	8.50 km/h-				
5.2 Lifting speed (laden / unladen)	0.35 m/s-0.				
Lowering speed (laden / unladen)	0.40 m/s-0.				
5.7 Gradeability (laden / unladen)	6 % / 8				
.10 Service brake	Hydrau	lic			
Engine					
Drive motor rating S2 60 min	10 kV				
5.2 Lift motor rating at S3 15%	9 kW				
5.3 Battery according to DIN 43531/35/36 A, B, C	DIN 438				
Battery voltage / capacity	48 V / 93				
5.5 Battery weight (+/- 5%)	1300 I	(g			
Miscellaneous					
Type of drive control	Mosfet AC spec				
3.2 Working hydraulic pressure for attachments	200 b				
Oil flow rate for attachments	25 l/m				
Measured/guaranteed mean noise level at the ear of the operator	< 73 d				
Sound level at the driver's ear according to DIN 12 053	73 dl	3			

## EMA II 20 HD-2 - Dimensional drawing



## Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 55	FLT 60	FLT 66	FLT 76	FLT 80	FLT 86	FLT 90	FLT 100	FLT 106
Mast/fork carriage tilt, forward	۰	1	1	1	1	1	1	1	1	1
Mast/fork carriage tilt, backward	۰	3	3	3	3	3	3	3	3	3
h1 - Mast lowered height	mm	2750	2900	3150	3590	3720	4020	4150	4590	4820
h2 - Mast free lift	mm	1930	2080	2330	2770	2900	3200	3330	3770	4000
h3 - Mast lifting height	mm	5500	6000	6600	7620	8010	8610	9000	10020	10560
h4 - Mast extended height	mm	3680	6830	7430	8450	8840	9440	9830	11000	11540
Residual capacity with integrated side shift at max heigth	kg	1500	1500	1450	1400	1350	1300	1250	1000	850





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