Technical sheet :



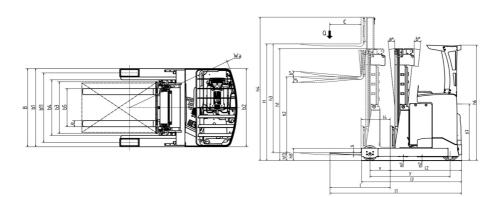


	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Load distance, centre of drive axle to fork	x
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
	Wheels	
3.1	Tires type	
3.5.2	Number of drive wheels - Size of drive wheels	
3.3	Number of load wheels - Size of load wheels	
3.5	Number of front wheels / rear wheels	
3.6	Front wheel gauge	b10
3.7	Rear wheel gauge	b11
	Dimensions	
4.8	Seat height/stand height	h7
4.19	Overall length	11
4.20	Length to face of forks	12
4.21	Overall width	b1
4.22	Forks section / width / length	s / e /
4.23	Fork carriage ISO 2328 (class/form) A/B	
4.26	Distance between wheel arms/loading surfaces	b4
4.25.1	Width over forks min. / max.	b5
4.32	Ground clearance at centre of wheelbase	m2
4.33	Aisle width for 1000 x 1200 pallet lengthways	
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast
4.35	Turning radius	Wa
4.7	Height of overhead guard (cabin)	h6
	Performances	
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.4.1	Reach speed (with load / without load)	
5.7	Gradeability (laden / unladen)	
5.10	Service brake	
	Engine	
6.1	Drive motor rating S2 60 min	
6.2	Lift motor rating at \$3 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	
8.3	Oil flow rate for attachments	
8.4	Sound level at the driver's ear according to DIN 12 053	

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5 HD	Created on September 17, 2025 at 6:53 AM UTC
	Metric
	MANITOU
	ER 16 HD
	Electrical - Lead
	Seated
Q	1600 kg
с	600 mm
х	306 mm
у	1420 mm
	4150 kg
	Cushion
	1 x 355 x 155
	2 x 230 x 105
	1 / 2
b10	0 mm
b11	1128 mm
h7	1077 mm
11	2485 mm
12	1335 mm
b1	1270 mm
/ e / l	40 mm x 100 mm / 1150 mm
	2A
b4	903 mm
b5	316 mm / 697 mm
m2	70 mm
	2758 mm
Ast	2820 mm
Wa	1640 mm
h6	2205 mm
	14.30 km/h / 14.50 km/h
	0.47 m/s / 0.67 m/s
	0.52 m/s / 0.50 m/s
	0.20 m/s / 0.20 m/s
	15.20 % / 11 % Electric
	Electric
	7.20 kW
	15 kW
	DIN 43531 C
	48 V / 620 Ah
	920 kg
	920 kg
	Electronic
	25 l/min
	60.80 dB
	00.00 05

## ER 16 HD - Dimensional drawing



## Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 64	FLT 71	FLT 76	FLT 81	FLT 85	FLT 90	FLT 96	FLT 102	FLT 109
α - Mast/fork carriage tilt, forward	۰	3	3	1	1	1	1	1	1	1
β - Mast/fork carriage tilt, backward	۰	1	1	1	1	1	1	1	1	1
h1 - Mast lowered height	mm	2957	3190	3357	3523	3673	3823	4040	4240	440
h2 - Mast free lift	mm	2400	2650	2800	2900	3100	3200	3500	3700	3900
h3 - Mast lifting height	mm	6350	7050	7550	8050	8500	8950	9600	10200	10800
h4 - Mast extended height	mm	6930	7630	8130	8630	9080	9530	10180	10780	11380
Residual capacity with integrated side shift at max heigth	kg	1600	1600	1400	1300	1150	1000	800		



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