Technical sheet :



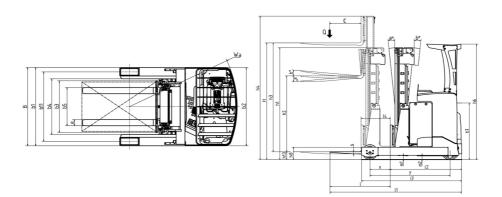


	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	
1.6	Load center of gravity	
1.8	Load distance, centre of drive axle to fork	
1.9	Wheelbase	
	Weight	
2.1	Service weight	
	Wheels	
3.1	Tires type	
3.5.2	Number of drive wheels - Size of 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	
3.7	Rear wheel gauge	
0.7	Dimensions	
4.8	Seat height/stand height	
4.19	Overall length	
4.20	Length to face of forks	
4.20	Overall width	
4.22	Forks section / width / length	
4.23	Fork carriage ISO 2328 (class/form) A/B	
4.26	Distance between wheel arms/loading surfaces	
.25.1	Width over forks min. / max.	
4.32	Ground clearance at centre of wheelbase	
4.32	Aisle width for 1000 x 1200 pallet lengthways	
4.34	Aisle width for 800 x 1200 pallet lengthways	
4.34	Turning radius	
4.35	-	
4.7	Height of overhead guard (cabin)	
5.1	Performances Travel speed (laden / unladen)	
5.1 5.2	Lifting speed (laden / unladen)	
5.2	Lowering speed (laden / unladen)	
5.4.1		
5.7	Reach speed (with load / without load) Gradeshility (laden / unladen)	
5.7 5.10	Gradeability (laden / unladen) Service brake	
5.10	Engine	
6.1	Drive motor rating S2 60 min	
6.2	-	
	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%)	
0.1	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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Metric
MANITOU
ER 16 HD
Electrical
Seated
1600 kg
600 mm
306 mm
1420 mm
4150 kg
Vulkollan
1 x 355 x 155
2 x 230 x 105
1/2
0 mm
1128 mm
4077
1077 mm
2485 mm
1335 mm
1270 mm
40 mm x 100 mm / 1150 mm 2A
2A 903 mm
316 mm / 697 mm
70 mm
2758 mm
2758 mm 2820 mm
2820 mm 1640 mm
2205 mm
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
0.32 m/s / 0.30 m/s
15.20 % / 11 %
Electric
7.20 kW
15 kW
DIN 43531 C
48 V / 620 Ah
920 kg
Electronic
25 l/min
60.80 dB

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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