Technical sheet :

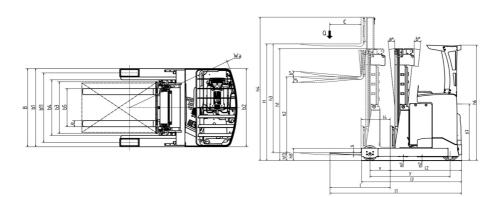




	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	c
1.8	Load distance, centre of drive axle to fork	x
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
	Wheels	
3.1	Tires type	
3.5.2	Number of drive wheels - Size 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	
4.7	Height of overhead guard (cabin)	h6
4.8	Seat height/stand height	h7
4.19	Overall length	1
4.20	Length to face of forks	12
4.21	Overall width	b1
4.22	Forks section / width / length	s/e/l
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
	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 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	
8.3	Oil flow rate for attachments	
8.4	Sound level at the driver's ear according to DIN 12 053	

	Metric
	MANITOU
	ER 20 HD
	Electrical
	Seated
	2000 kg
	600 mm
	416 mm
	1530 mm
	4150 kg
	Vulkollan
	0 x 355 x 155
	2 x 285*105
	1 / 2
)	0 mm
1	1128 mm
	2205 mm
	1077 mm
	2485 mm
	1335 mm
	1270 mm
/1	40 mm x 100 mm / 1150 mm
	2A
	903 mm
	316 mm / 697 mm 70 mm
2	2788 mm
	2788 mm
t ı	1750 mm
	1730 1111
	14.30 km/h / 14.50 km/h
	0.37 m/s / 0.63 m/s
	0.55 m/s / 0.43 m/s
	0.20 m/s / 0.20 m/s
	6.30 % / 9.40 %
	Electric
	7.20 kW
	15 kW
	DIN 43531 C
	48 V / 620 Ah
	920 kg
	Electronic
	25 l/min
	60.80 dB

ER 20 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 114	FLT 115
Mast/fork carriage tilt, forward	۰	1	1	1	1	1	1	1	1	1	1
Mast/fork carriage tilt, backward	۰	1	1	1	1	1	1	1	1	1	1
h1 - Mast lowered height	mm	2957	3190	3357	3523	3673	3823	4040	4240	4440	4673
h2 - Mast free lift	mm	2400	2650	2800	2980	3100	3283	3500	3700	3900	4100
h3 - Mast lifting height	mm	6350	7050	7550	8050	8500	8950	9600	10200	10800	11500
h4 - Mast extended height	mm	6930	7630	8130	8630	9080	9530	10180	10780	11380	12080
Residual capacity at max height	kg										600
Residual capacity with integrated side shift at max heigth	kg	1600	1600	1400	1300	1150	1000	800			



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