Technical sheet :

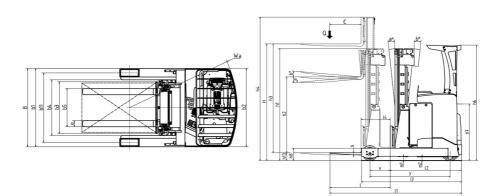




-		
	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Load distance, centre of drive axle to fork	х
1.9	Wheelbase	У
	Weight	
2.1	Service weight	
	Wheels	
3.1	Tires type	
3.5.2	Number of drive wheels - 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/l
4.23	Fork carriage ISO 2328 (class/form) A/B	0,0,1
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	Tuming 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 S3 15%	
6.3	Battery according to DIN 43531/35/36 A, B, C	
6.4	Battery voltage / capacity	
6.5	Battery weight (+/- 5%)	
0.0	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	
0.7		

20	created on September 15, 2025 at 8.09 PM 010								
	Metric								
	MANITOU								
	ER 20								
	Electrical - Lead								
	Seated								
Q	2000 kg								
с	600 mm								
х	441 mm								
у	1530 mm								
	3740 kg								
	Vulkollan								
	1 x 355 x 155								
	2 x 285 x 105								
	1 / 2								
o10	0 mm								
o11	1128 mm								
h7	1077 mm								
1	2460 mm								
12	1310 mm								
b1	1270 mm								
' e / I	40 mm x 100 mm / 1150 mm								
	2A								
b4	903 mm								
b5	316 mm / 697 mm								
m2	70 mm								
	2770 mm								
Ast	2808 mm								
Wa	1750 mm								
h6	2205 mm								
	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								
	6.90 % / 10.20 %								
	Electric								
	Elecuic								
	7.20 kW								
	15 kW								
	DIN 43531 C								
	48 V / 620 Ah								
	920 kg								
	220 kg								
	Electronic								
	25 l/min								
	60.80 dB								

## ER 20 - Dimensional drawing



## Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 48	FLT 54	FLT 57	FLT 63	FLT 68	FLT 73	FLT 80	FLT 85	FLT 90
α - Mast/fork carriage tilt, forward	۰	3	3	3	3	3	3	3	3	3
β - Mast/fork carriage tilt, backward	۰	1	1	1	1	1	1	1	1	1
h1 - Mast lowered height	mm	2140	2340	2640	2790	2957	3040	3190	3357	3523
h2 - Mast free lift	mm	16001	1800	1900	2100	2250	2400	2650	2800	2980
h3 - Mast lifting height	mm	4800	5400	5700	6300	6750	7250	7950	8450	8950
h4 - Mast extended height	mm	5380	5980	6880	7330	7830	8080	8530	9030	9530
Residual capacity with integrated side shift at max heigth	kg	2000	2000	2000	1850	1600				



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