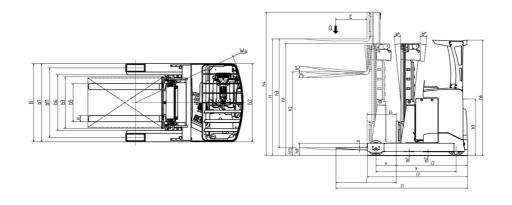
Technical sheet:

ER 20



	ER 20 Created on July 25, 2025 at 11.16 PM C							
	Technical characteristics		Metric					
1.1	Manufacturer		MANITOU					
1.2	Model Name		ER 20					
1.3	Power source		Electrical					
1.4	Operator type		Seated					
1.5	Max. capacity	Q	2000 kg					
1.6	Load center of gravity	c	600 mm					
1.8	Load distance, centre of drive axle to fork	X	441 mm					
1.9	Wheelbase	у	1530 mm					
	Weight							
2.1	Service weight		3740 kg					
	Wheels		3					
3.1	Tires type		Vulkollan					
3.5.2	Number of drive wheels - Size of drive wheels		1 x 355 x 155					
3.3	Number of load wheels - Size of load wheels		2 x 285 x 105					
3.5	Number of front wheels / rear wheels		1/2					
3.6	Front wheel gauge	b10	0 mm					
3.7	Rear wheel gauge	b11	1128 mm					
3.7	Dimensions	511	1120 111111					
4.8	Seat height/stand height	h7	1077 mm					
4.19	Overall length	I1	2460 mm					
4.19	Length to face of forks	12	1310 mm					
4.21	Overall width	b1	1270 mm					
4.21	Forks section / width / length	s / e / l	40 mm x 100 mm / 1150 mm					
4.22	Fork carriage ISO 2328 (class/form) A/B	5/6/1	2A					
4.26	Distance between wheel arms/loading surfaces	b4	903 mm					
4.25.1	Width over forks min. / max.	b5	316 mm / 697 mm					
4.23.1	Ground clearance at centre of wheelbase	m2	70 mm					
4.32		IIIZ	2770 mm					
	Aisle width for 1000 x 1200 pallet lengthways		27/0 mm					
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast						
4.35	Tuming radius	Wa	1750 mm					
4.7	Height of overhead guard (cabin)	h6	2205 mm					
F 4	Performances		44001 (1.44501 (1.					
5.1	Travel speed (laden / unladen)		14.30 km/h / 14.50 km/h					
5.2	Lifting speed (laden / unladen)		0.37 m/s / 0.63 m/s					
5.3	Lowering speed (laden / unladen)		0.55 m/s / 0.43 m/s					
5.4.1	Reach speed (with load / without load)		0.20 m/s / 0.20 m/s					
5.7	Gradeability (laden / unladen)		6.90 % / 10.20 %					
5.10	Service brake		Electric					
	Engine							
6.1	Drive motor rating S2 60 min		7.20 kW					
6.2	Lift motor rating at S3 15%		15 kW					
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN 43531 C					
6.4	Battery voltage / capacity		48 V / 620 Ah					
6.5	Battery weight (+/- 5%)		920 kg					
	Miscellaneous							
8.1	Type of drive control		Electronic					
8.3	Oil flow rate for attachments		25 l/min					
8.4	Sound level at the driver's ear according to DIN 12 053		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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