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
0.7	Dimensions	511
4.8	Seat height/stand height	h7
4.19	Overall length	11
4.20	Length to face of forks	2
4.21	Overall width	b1
4.22	Forks section / width / length	s/e/
4.23	Fork carriage ISO 2328 (class/form) A/B	5767
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%)	
	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	
0.4		

	Metric							
	MANITOU							
	ER 20							
	Electrical - Lead							
	Seated							
Ç	2000 kg							
C	600 mm							
x	441 mm							
у	1530 mm							
	3740 kg							
	Vulkollan							
	1 x 355 x 155							
	2 x 285 x 105							
	1 / 2							
10	0 mm							
11	1128 mm							
17	1077 mm							
1	2460 mm							
2	1310 mm							
1	1270 mm							
e/l	40 mm x 100 mm / 1150 mm							
	2A							
94	903 mm							
5	316 mm / 697 mm							
12	70 mm							
	2770 mm							
st	2808 mm							
/a	1750 mm							
16	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							
	7.20 kW							
	15 kW							
	DIN 43531 C							
	48 V / 620 Ah							
	920 kg							
	720 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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