Technical sheet :

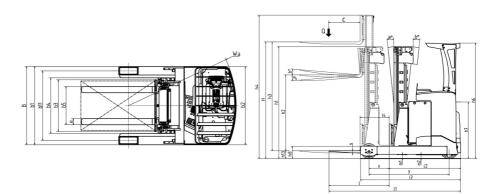




		er 14 Cri	eated on August 12, 2025 at 7:52 PM UTC	
	Technical characteristics		Metric	
1.1	Manufacturer		MANITOU	
1.1	Model Name		ER 14	
1.2	Power source		Electrical	
1.3	Operator type		Seated	
1.4		0	1400 kg	
	Max. capacity	•		
1.6	Load center of gravity	C	600 mm	
1.8	Load distance, centre of drive axle to fork	X	307 mm	
1.9	Wheelbase	у	1378 mm	
	Weight			
2.1	Service weight		2710 kg	
	Wheels			
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 220 x 85	
3.5	Number of front wheels / rear wheels		1 / 2	
3.6	Front wheel gauge	b10	0 mm	
3.7	Rear wheel gauge	b11	995 mm	
	Dimensions			
4.8	Seat height/stand height	h7	1077 mm	
4.19	Overall length	1	2413 mm	
4.20	Length to face of forks	12	1263 mm	
4.21	Overall width	b1	1120 mm	
4.22	Forks section / width / length	s / e / l	40 mm x 100 mm / 1150 mm	
4.23	Fork carriage ISO 2328 (class/form) A/B		2A	
4.26	Distance between wheel arms/loading surfaces	b4	900 mm	
4.25.1	Width over forks min. / max.	b5	316 mm / 697 mm	
4.32	Ground clearance at centre of wheelbase	m2	70 mm	
4.33	Aisle width for 1000 x 1200 pallet lengthways	1112	2701 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2768 mm	
4.34	Tuming radius	Wa	1598 mm	
	5			
4.7	Height of overhead guard (cabin)	h6	2205 mm	
5.4	Performances			
5.1	Travel speed (laden / unladen)		12.30 km/h / 12.50 km/h	
5.2	Lifting speed (laden / unladen)		0.49 m/s / 0.65 m/s	
5.3	Lowering speed (laden / unladen)		0.59 m/s / 0.55 m/s	
5.4.1	Reach speed (with load / without load)		0.20 m/s / 0.20 m/s	
5.7	Gradeability (laden / unladen)		7.50 % / 11.10 %	
5.10	Service brake		Electric	
	Engine			
6.1	Drive motor rating S2 60 min		5.90 kW	
6.2	Lift motor rating at S3 15%		11 kW	
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN43531 B	
6.4	Battery voltage / capacity		48 V / 465 Ah	
6.5	Battery weight (+/- 5%)		731 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		57.40 dB	
	g to bit. 12 000			

Metric MANITOU ER 14 Electrical Seated 1400 kg 600 mm 307 mm 1378 mm
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Electrical Seated 1400 kg 600 mm 307 mm
Seated 1400 kg 600 mm 307 mm
1400 kg 600 mm 307 mm
600 mm 307 mm
307 mm
1378 mm
2710 kg
Vulkollan
1 x 355 x 155
2 x 220 x 85
1 / 2
0 mm
995 mm
1077 mm
2413 mm
1263 mm
1120 mm
40 mm x 100 mm / 1150 mm 2A
2A 900 mm
316 mm / 697 mm
70 mm
2701 mm
2761 mm
1598 mm
2205 mm
12.30 km/h / 12.50 km/h
0.49 m/s / 0.65 m/s
0.59 m/s / 0.55 m/s
0.20 m/s / 0.20 m/s
0.20 m/s / 0.20 m/s 7.50 % / 11.10 %
7.50 % / 11.10 % Electric
7.50 % / 11.10 % Electric 5.90 kW
7.50 % / 11.10 % Electric 5.90 kW 11 kW
7.50 % / 11.10 % Electric 5.90 kW 11 kW DIN43531 B
7.50 % / 11.10 % Electric 5.90 kW 11 kW DIN43531 B 48 V / 465 Ah
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7.50 % / 11.10 % Electric 5.90 kW 11 kW DIN43531 B 48 V / 465 Ah 731 kg

ER 14 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)	FLT 48	FLT 54	FLT 57	FLT 63	FLT 68	FLT 73	
α - Mast/fork carriage tilt, forward		3	3	3	3	3	3
β - Mast/fork carriage tilt, backward	۰	1	1	1	1	1	1
h1 - Mast lowered height	mm	2140	2340	2440	2640	2790	2957
h2 - Mast free lift	mm	1600	1800	1900	2100	2250	2417
h3 - Mast lifting height	mm	4800	5400	5700	6300	6800	7300
h4 - Mast extended height	mm	5380	5980	6280	6880	7330	7830
Residual capacity with integrated side shift at max heigth	kg	1400	1400	1400	1000	700	



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