Technical sheet:

ER 14



		ER14 U	realed on 13 May 2024 at 10.50.44 010
	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		ER 14
1.3	Power source		Electrical
1.4	Operator type		Seated
1.5	Max. capacity	Q	1400 kg
1.6	Load center of gravity	С	600 mm
1.8	Load distance, centre of drive axle to fork	х	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*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		
4.7	Height of overhead guard (cabin)	h6	2205 mm
4.8	Seat height/stand height	h7	1077 mm
4.19	Overall length	l1	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		2701 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2768 mm
4.35	Turning radius	Wa	1598 mm
	Performances		
5.1	Travel speed (laden / unladen)		12.30 km/h / 12.50 km/h
5.2	Lifting speed (laden / unladen)		0.37 m/s / 0.54 m/s
5.3	Lowering speed (laden / unladen)		0.58 m/s / 0.60 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

ER 14 - Dimensional drawing



Characteristics of masts and residual capacities

kg

1400

Residual capacity with integrated side shift at max heigth

Full Visibility Duplex (FVD)		FVD 32	FVD 36	FVD 38	FVD 42	FVD 45	FVD 48
Mast/fork carriage tilt, forward	۰	4	4	4	4	4	4
Mast/fork carriage tilt, backward		1	1	1	1	1	1
h1 - Mast lowered height	mm	2170	2370	2470	2670	2820	2970
h2 - Mast free lift	mm	125	125	125	125	125	125
h3 - Mast lifting height	mm	3200	3600	3800	4200	4500	4800
h4 - Mast extended height	mm	3780	4180	4380	4780	5080	5380
Residual capacity with integrated side shift at max heigth	kg	1400	1400	1400	1400	1400	1400
Free Lift Triplex (FLT)		FLT 48	FLT 54	FLT 57	FLT 63	FLT 68	FLT 73
Mast/fork carriage tilt, forward	٠	3	3	•		_	
			3	3	3	3	3
Mast/fork carriage tilt, backward	۰	1	1	1	3 1	3 1	3 1
Mast/fork carriage tilt, backward n1 - Mast lowered height	mm	1 2140	1 2340	1 2440	3 1 2640	3 1 2790	3 1 2957
• '		1 2140 1600	1	1	1	1	1
11 - Mast lowered height	mm		1 2340	1 2440	1 2640	1 2790	1 2957

1400

1400

1000

700





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