Technical sheet :

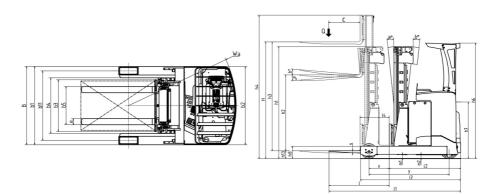




	Technical characteristics		Metric
1	Manufacturer		MANITOU
	Model Name		ER 14
	Power source		Electrical
	Operator type		Seated
	Max. capacity	Q	1400 kg
	Load center of gravity	C	600 mm
	Load distance, centre of drive axle to fork	x	307 mm
	Wheelbase	у	1378 mm
	Weight	, , , , , , , , , , , , , , , , , , ,	
	Service weight		2710 kg
	Wheels		27.10 Kg
	Tires type		Vulkollan
	Number of drive wheels - Size of drive wheels		1 x 355 x 155
	Number of load wheels - Size of load wheels		2 x 220*85
	Number of front wheels / rear wheels		1/2
	Front wheel gauge	b10	0 mm
	Rear wheel gauge	b10	995 mm
	Dimensions		995 mm
	Height of overhead guard (cabin)	h6	2205 mm
		h7	2203 mm
	Seat height/stand height Overall length	1	2413 mm
	5	2	2413 mm
	Length to face of forks		
	Overall width	b1	1120 mm
	Forks section / width / length	s / e / l	40 mm x 100 mm / 1150 mm 2A
	Fork carriage ISO 2328 (class/form) A/B	b4	2A 900 mm
	Distance between wheel arms/loading surfaces		
1	Width over forks min. / max.	b5	316 mm / 697 mm
	Ground clearance at centre of wheelbase	m2	70 mm
	Aisle width for 1000 x 1200 pallet lengthways		2701 mm
	Aisle width for 800 x 1200 pallet lengthways	Ast	2768 mm
	Turning radius	Wa	1598 mm
	Performances		
	Travel speed (laden / unladen)		12.30 km/h / 12.50 km/h
	Lifting speed (laden / unladen)		0.37 m/s / 0.54 m/s
	Lowering speed (laden / unladen)		0.58 m/s / 0.60 m/s
	Reach speed (with load / without load)		0.20 m/s / 0.20 m/s
	Gradeability (laden / unladen)		7.50 % / 11.10 %
	Service brake		Electric
	Engine		
	Drive motor rating S2 60 min		5.90 kW
	Lift motor rating at S3 15%		11 kW
	Battery according to DIN 43531/35/36 A, B, C		DIN43531 B
	Battery voltage / capacity		48 V / 465 Ah
	Battery weight (+/- 5%)		731 kg
	Miscellaneous		
	Type of drive control		Electronic
	Oil flow rate for attachments		25 l/min

Metric
MANITOU
ER 14
Electrical
Seated
1400 kg
600 mm
307 mm
1378 mm
2710 kg
Vulkollan
1 x 355 x 155
2 x 220*85
1 / 2
0 mm
995 mm
2205 mm
1077 mm
2413 mm
1263 mm
1120 mm 40 mm x 100 mm / 1150 mm
40 mm x 100 mm / 1150 mm
900 mm
316 mm / 697 mm
70 mm
2701 mm
2768 mm
1598 mm
12.30 km/h / 12.50 km/h
0.37 m/s / 0.54 m/s
0.58 m/s / 0.60 m/s
0.20 m/s / 0.20 m/s
7.50 % / 11.10 %
Electric
5.90 kW
11 kW
DIN43531 B
48 V / 465 Ah
731 kg
Electronic
25 l/min
57.40 dB

ER 14 - Dimensional drawing



Characteristics of masts and residual capacities

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	٥	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 °		3	3	3	3	3	3
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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