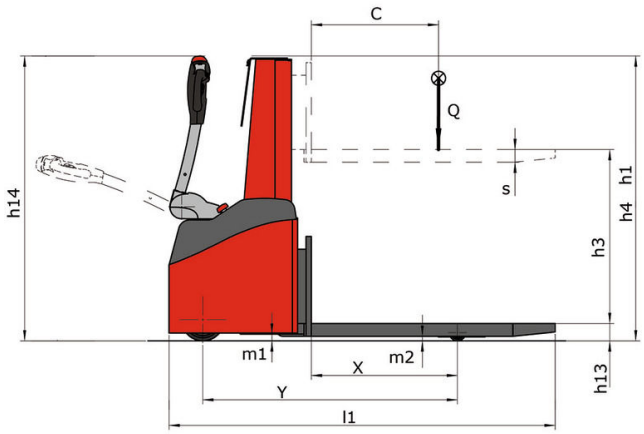
Technical sheet :

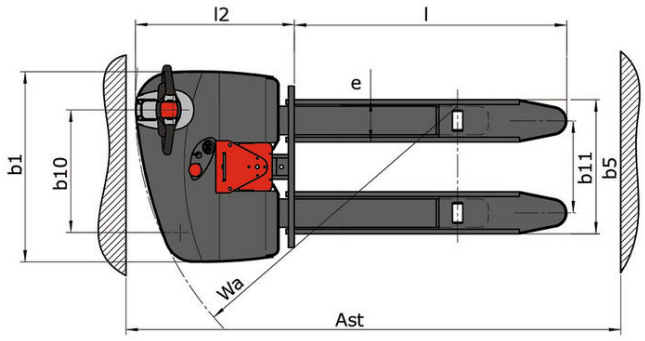
STACKY 14

MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		Stacky 14
1.3	Power source		Battery
1.4	Operator type		Pedestrian
1.5	Max. capacity	Q	1400 kg
1.6	Load centre of gravity	c	600 mm
1.8	Load distance, centre of drive axle to fork	x	689 mm
1.9	Wheelbase	y	1200 mm
	Weight		
2.1	Overall weight without tools		442 kg
	Wheels		
3.1	Tyres type		Polyurethane
3.5.2	Number of drive wheels - Size of drive wheels		1 x 200x80
3.3	Number of load wheels - Size of load wheels		2 x 78x78
3.4	Number of castor wheels		1
3.4	Number of stabilizer wheels / Size of the stabilizer wheels		1 x 125x50
3.5	Number of front wheels / rear wheels		1 / 2
3.6	Front wheel gauge	b10	517 mm
3.7	Rear wheel gauge	b11	388 mm
	Dimensions		
4.2	Height mast lowered *	h1	1331 mm
4.4	Max. lifting height	h3	818 mm
4.5	Height mast extended *	h4	1331 mm
4.9	Height tiller up min. / max.	h14 / h14	850 mm / 1350 mm
4.15	Fork height in low position	h13	80 mm
4.19	Overall length without tools	l1	1820 mm
4.20	Length to face of forks	l2	680 mm
4.21	Overall width	b1	806 mm
4.22	Forks section / width / length	s / e / l	60 mm x 178 mm / 1150 mm
4.25	Fork spread	b5	566 mm
4.26	Distance between wheel arms/loading surfaces	b4	270 mm
4.24	Fork carriage width	b3	680 mm
4.32	Ground clearance at centre of wheelbase	m2	22 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2070 mm
4.35	Turning radius	Wa	1385 mm
	Performances		
5.1	Travel speed (laden / unladen)		4.50 km/h / 5 km/h
5.2	Lifting speed (laden / unladen)		0.10 m/s / 0.18 m/s
5.3	Lowering speed (laden / unladen)		0.10 m/s / 0.07 m/s
5.7	Gradeability (laden / unladen)		5 % / 8 %
5.10	Service brake		Electro magnetic
5.11	Parking brake		Handle Release
	Engine		
6.1	Drive motor rating S2 60 min		0.50 kW
6.2	Lift motor rating at S3 15%		2 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		Semi-Traction
6.4	Battery / Batteries capacity		24 V / 85 Ah
6.5	Battery weight (+/- 5%)		50 kg
	Miscellaneous		
8.1	Type of drive control		AC
8.4	Sound level at the driver's ear according to DIN 12 053		65 dB(A)

Dimensional drawing





Tool characteristics

Tool 1,000 kg	Attachment capacity	Center of gravity of load	A1	A2	B	B1		C	D	E	E1	E2	F	Weight
	kg		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
EPE 1000	1000	-	7000	730	60	-	-	245	-	-	-	-	320	38
FA 1000	1000	-	950	1017	-	-	-	45	80	40	-	-	730	123
FR 1000	1000	-	1150	1182	560	-	-	90	-	70	-	-	700	82
PLF 1000	1000	-	700	727	600	-	-	275	-	91	-	-	630	65
POT 1000	500	-	625	652	50	-	-	145	-	-	-	-	320	33

Siège Social
430 rue de l'Aubinière - 44150 Ancenis Cedex - France
Tel: +33(0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97
www.manitou.com

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