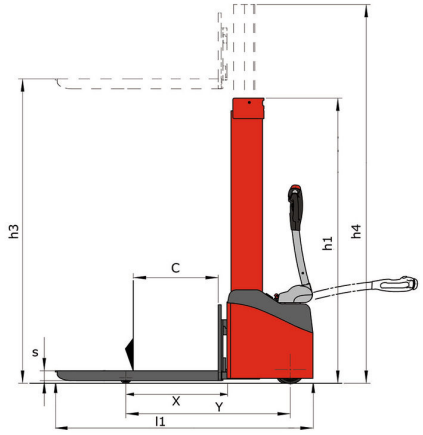
Technical sheet :

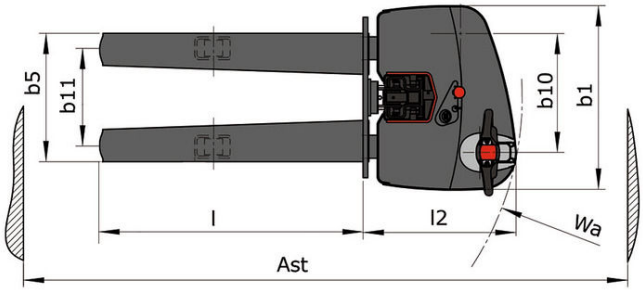
STACKY 10 D28

MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		Stacky 10 D28
1.3	Power source		Battery
1.4	Operator type		Pedestrian
1.5	Max. capacity	Q	1000 kg
1.6	Load centre of gravity	c	600 mm
1.8	Load distance, centre of drive axle to fork	x	653 mm
1.9	Wheelbase	y	1160 mm
	Weight		
2.1	Overall weight without tools		620 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		2 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	421 mm
	Dimensions		
4.2	Height mast lowered *	h1	2030 mm
4.4	Max. lifting height	h3	2740 mm
4.5	Height mast extended *	h4	3400 mm
4.9	Height tiller up min. / max.	h14 / h14	850 mm / 1350 mm
4.15	Fork height in low position	h13	90 mm
4.19	Overall length without tools	l1	1817 mm
4.20	Length to face of forks	l2	667 mm
4.21	Overall width	b1	806 mm
4.22	Forks section / width / length	s / e / l	70 mm x 80 mm / 1150 mm
4.25	Fork spread	b5	560 mm
4.26	Distance between wheel arms/loading surfaces	b4	290 mm
4.24	Fork carriage width	b3	700 mm
4.32	Ground clearance at centre of wheelbase	m2	20 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2234 mm
4.35	Turning radius	Wa	1346 mm
	Performances		
5.1	Travel speed (laden / unladen)		3.50 km/h / 5 km/h
5.2	Lifting speed (laden / unladen)		0.12 m/s / 0.20 m/s
5.3	Lowering speed (laden / unladen)		0.12 m/s / 0.10 m/s
5.7	Gradeability (laden / unladen)		3.50 % / 5 %
5.10	Service brake		Electro magnetic
5.11	Parking brake		Handle Release
	Engine		
6.1	Drive motor rating S2 60 min		0.30 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
7.2	Power (kW)		0.30 kW
	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



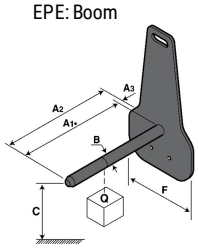


Tool characteristics

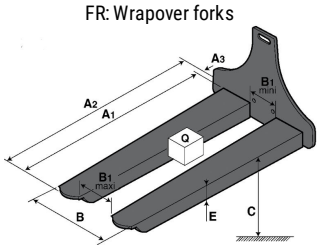
Tool 1,000 kg	Attachment capacity	Center of gravity of load	A1	A2	B	B1		C	D	E	E1	E2	F	Weight
	kg		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
EPE 1000	1000	-	7000	730	60	-	-	245	-	-	-	-	320	38
FA 1000	1000	-	950	1017	-	-	-	45	80	40	-	-	730	123
FR 1000	1000	-	1150	1182	560	-	-	90	-	70	-	-	700	82
FUT 1000	300	-	795	600	1057	-	-	245	-	240	631	-	-	92
PLF 1000	1000	-	700	727	600	-	-	275	-	91	-	-	630	65
POT 1000	500	-	625	652	50	-	-	145	-	-	-	-	320	33

Tools

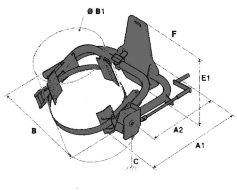
EPE: Boom



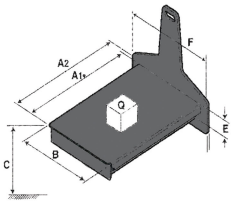
FR: Wrapover forks



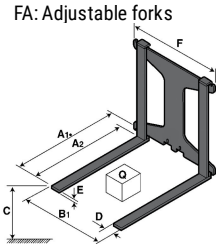
FUT: Drum handler



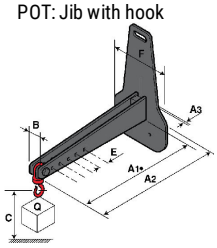
PLF: Fixed platform with drawer



FA: Adjustable forks



POT: Jib with hook



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