



LOC

MATERIAL HANDLING



**STACKY 14
ELECTRIC STACKER**

ELECTRIC STACKER: STACKY 14 ac

Designation	1.1	Manufacturer			MANITOU
	1.2	Model type			STACKY 14 ac
	1.3	Powered by: battery, diesel, petrol, LPG, mains electric			Battery
	1.4	Driving method: manual, walk-along, upright, seated, preparation			Pedestrian
	1.5	Nominal capacity	Q	t	1,4
	1.6	Height to centre of gravity	C	mm	600
	1.8	Distance from fork face to track wheels (in raised pos'n)	x	mm	689
	1.9	Wheelbase (drive axle to track wheels), top/bottom position	y	mm	1200
	Weights	2.1	Weight in working order		kg
2.2		Axle loading when load (front/rear)		kg	492/1350
2.3		Axle loading when unload (front/rear)		kg	309/133
Wheels	3.1	Tyres (front/rear)			Polyurethane
	3.2	Front wheel dimensions (dia x width)		mm	1x(200x80)
	3.3	Rear wheel dimensions (dia x width)		mm	2(78x78)
	3.4	Outtrigger dimensions		mm	1(125x50)
	3.5	Number of wheels front / rear (x = drive wheel)			1x1/2
	3.6	Track centres, front	b10	mm	517
	3.7	Track centres, rear	b11	mm	388
Dimensions	4.2	Height with mast lowered	h1	mm	1331
	4.3	Normal free lift	h2	mm	-
	4.4	Standard lift	h3	mm	818
	4.5	Height with mast raised	h4	mm	1331
	4.6	Initial lift	h5	mm	-
	4.9	Handle height in driving position	h4/h14	mm	1350/850
	4.15	Fork height when lowered	h13	mm	80 ^{+5,0}
	4.19	Overall length	l1	mm	1820
	4.20	Length to front face of forks	l2	mm	670
	4.21	Overall width	b1	mm	806
	4.22	Fork dimensions (thick x wide x long)	s/e/l	mm	60x178x1150
	4.24	Width of fork carriage	b3	mm	680
	4.25	Fork Pitch	b5	mm	566
	4.26	Width between carrying arms (min./max.)	b4	mm	-
	4.31	Ground clearance under mast	m1	mm	32
4.32	Ground clearance at centre of wheelbase	m2	mm	22	
4.33	Aisle width with 1000x1200 pallet widthwise (l6xb12)	AST	mm	-	
4.34	Aisle width with 800x1200 pallet lengthwise (b12xl6)	AST	mm	2070	
4.35	Turning radius (top/bottom position)	Wa	mm	1385	
Performance	5.1	Travel speed load/unload		km/h	4,5/5
	5.2	Lifting speed, load/unload		m/s	0,1/0,18
	5.3	Lowering speed, load/unload		m/s	0,1/0,07
	5.8	Maximum slope laden/unladen (S2.5 min)		%	5/8
	5.10	Drive brake			Electromagnetic
	5.11	Parking brake			Handle release
Drive unit	6.1	Drive motor power (S2 60 min)		kW	0,5
	6.2	Lift motor power (S3 10%)		kW	2
	6.3	Battery type as per standard DIN 43531/35/36,A,B,C			Semi-traction
	6.4	Battery voltage and capacity	V/Ah		24/85 A/H
	6.5	Battery weight (+/- 5%)		kg	50
Misc	8.1	Speed control			AC Mosfet Variator
	8.4	Average sound level at driver's ears (translation)	dB	(A)	65

