



**LOC**

**MATERIAL HANDLING**



**SERIE E  
PEDESTRIAN ELECTRIC PALLET TRUCKS**

# PEDESTRIAN ELECTRIC PALLET TRUCKS SERIE E ac

Designation	1.1	Manufacturer			<b>MANITOU</b>	<b>MANITOU</b>	<b>MANITOU</b>
	1.2	Model type			E 16 ac	E 18 ac	E 20 ac
	1.3	Powered by: battery, diesel, petrol, LPG, mains electric			Battery	Battery	Battery
	1.4	Driving method: manual, walk-along, upright, seated, preparation			Pedestrian	Pedestrian	Pedestrian
	1.5	Nominal capacity	Q	t	1,6	1,8	2
	1.6	Height to centre of gravity	C	mm	600	600	600
	1.8	Distance from fork face to track wheels (in raised pos'n)	x	mm	964/901	953	953
	1.9	Wheelbase (drive axle to track wheels), top/bottom position	y	mm	1309/1246	1372/1312	1372/1312
	Weights	2.1	Weight in working order		kg	410	480
2.2		Axle loading when load (front/rear)		kg	825/1185	1002/1278	1077/1405
2.3		Axle loading when unload (front/rear)		kg	286/124	336/144	337/145
Wheels	3.1	Tyres (front/rear)			Polyurethane	Polyurethane	Polyurethane
	3.2	Front wheel dimensions (dia x width)		mm	1x(230x70)	1x(230x75)	1x(230x75)
	3.3	Rear wheel dimensions (dia x width)		mm	2x(82x82)	2x(82x100)	4x(82x70)
	3.4	Outrigger dimensions		mm	2x(100x40)	2x(100x40)	2x(100x40)
	3.5	Number of wheels front / rear (x = drive wheel)			1x2/2	1x2/2	1x2/4
	3.6	Track centres, front	b10	mm	435	435	435
	3.7	Track centres, rear	b11	mm	366	366	366
Dimensions	4.4	Standard lift	h3	mm	125	125	125
	4.9	Handle height in driving position	h14	mm	866/1320	1336	1336
	4.15	Fork height when lowered	h13	mm	85 <sup>+5</sup> <sub>-0</sub>	85 <sup>+5</sup> <sub>-0</sub>	85 <sup>+5</sup> <sub>-0</sub>
	4.19	Overall length	l1	mm	1659	1739	1739
	4.20	Length to front face of forks	l2	mm	509	589	589
	4.21	Overall width	b1	mm	680	680	680
	4.22	Fork dimensions (thick x wide x long)	s/e/l	mm	47x160x1150	45x175x1150	45x175x1150
	4.25	Fork Pitch	b5	mm	526	540 - 680	540 - 680
	4.32	Ground clearance at centre of wheelbase	m2	mm	38	35	35
	4.34	Aisle width with 800x1200 pallet lengthwise (b12xl6)	AST	mm	1921	1939	1939
4.35	Turning radius (top/bottom position)	Wa	mm	1475/1422	1544/1484	1544/1484	
Performance	5.1	Travel speed load/unload		km/h	5,8/6	5,8/6	5,8/6
	5.2	Lifting speed, load/unload		m/s	0,030/0,038	0,030/0,038	0,029/0,038
	5.3	Lowering speed, load/unload		m/s	0,050/0,045	0,049/0,028	0,049/0,028
	5.8	Maximum slope laden/unladen (S2 5 min)		%	10/25	10/25	10/25
	5.10	Drive brake			Electromagnetic	Electromagnetic	Electromagnetic
	5.11	Parking brake			Handle release	Handle release	Handle release
Drive unit	6.1	Drive motor power (S2 60 min)		kW	1,2	1,2	1,2
	6.2	Lift motor power (S3 10%)		kW	1	1	1
	6.3	Battery type as per standard DIN 43531/35/36,A,B,C			Traction	Traction	Traction
	6.4	Battery voltage and capacity		V/Ah	24/170	24/180	24/180
	6.5	Battery weight (+/- 5%)		kg	170	180	180
Misc	8.1	Speed control		%	Variatore AC Mosfet		
	8.4	Average sound level at driver's ears (translation)		dB (A)	65	65	65

