

MANILEC

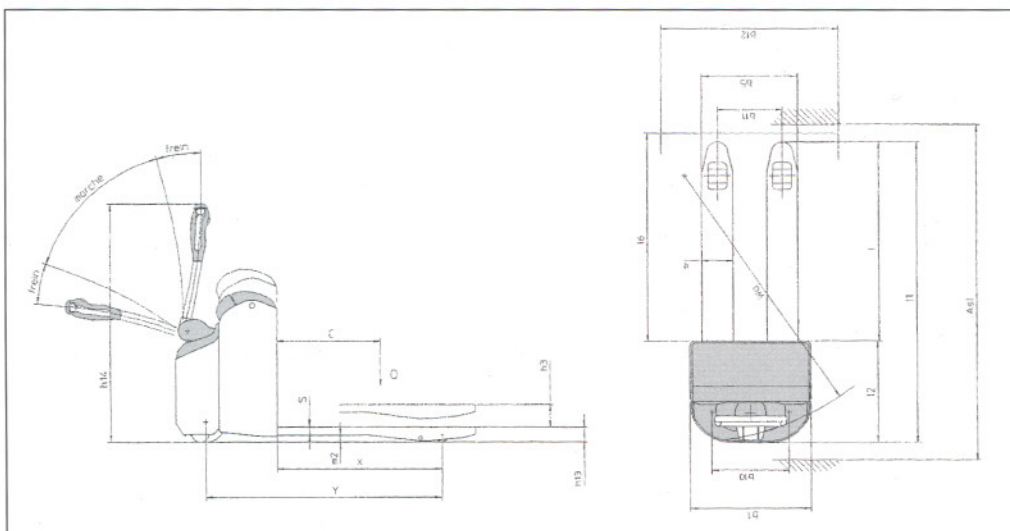
■ EP 16S / 18S
■ EP 20S / 22S

Pedestrian operated electric pallet trucks



 **MANITOU**

Designation	1.1	Manufacturer	MANITOU				
			EP 16S	EP 18S	EP 20S	EP 22S	
	1.2	Model type	Battery	Battery	Battery	Battery	
	1.3	Powered by: battery, diesel, petrol, LPG, mains electric	Battery	Battery	Battery	Battery	
	1.4	Driving method: manual, walk-along, upright, seated, preparation	Pedestrian		Pedestrian		
	1.5	Nominal capacity	Q (t)	1,6	1,8	2	2,2
	1.6	Height to centre of gravity	c (mm)	600	600	600	600
	1.8	Distance from fork face to track wheels (in raised pos'n)	x (mm)	953	953	953	953
	1.9	Wheelbase (drive axle to track wheels), top/bottom position	y (mm)	1263/1203	1372/1312	1372/1312	1452/1392
Weights	2.1	Weight in working order	kg	445	480	482	560
	2.2	Axle loading when laden (front/rear)	kg	839/1206	1002/1278	1077/1405	1286/1474
	2.3	Axle loading when unladen (front/rear)	kg	311/134	336/144	337/145	392/168
Wheels	3.1	Tyres (front/rear)		Polyurethane	Polyurethane	Polyurethane	Polyurethane
	3.2	Front wheel dimensions (dia x width)	mm	1x(230x75)	1x(230x75)	1x(230x75)	1x(230x75)
	3.3	Rear wheel dimensions (dia x width)	mm	2x(82x100)	2x(82x100)	4x(82x70)	4x(82x70)
	3.4	Outrigger dimensions	mm	2x(100x40)	2x(100x40)	2x(100x40)	2x(100x40)
	3.5	Number of wheels front/rear (x=drive wheel)		1x2/2	1x2/2	1x2/2	1x2/2
	3.6	Track centres, front	b10 (mm)	435	435	435	435
	3.7	Track centres, rear	b11 (mm)	365 to 505	365 to 505	365 to 505	365 to 505
Dimensions	4.4	Standard lift	h3 (mm)	125	125	125	125
	4.9	Handle height in driving position	h14 (mm)	1336	1336	1336	1336
	4.15	Fork height when lowered	h13 (mm)	85 ⁺⁵ / ₊₀	85 ⁺⁵ / ₊₀	85 ⁺⁵ / ₊₀	85 ⁺⁵ / ₊₀
	4.19	Overall length	l1 (mm)	1630	1739	1739	1819
	4.20	Length to front face of forks	l2 (mm)	480	589	589	669
	4.21	Overall width	b1 (mm)	680	680	680	680
	4.22	Fork dimensions (thick x wide x long)	s/e/l (mm)	45x175x1150	45x175x1150	45x175x1150	45x175x1150
	4.25	Fork pitch	b5	540 to 680	540 to 680	540 to 680	540 to 680
	4.32	Ground clearance at centre of wheelbase	m2 (mm)	35	35	35	35
	4.34	Aisle width with 800x1200 pallet lengthwise (b12x16)	AST (mm)	1830	1939	1939	2019
	4.35	Turning radius (top/bottom position)	Wa (mm)	1435/1375	1544/1484	1544/1484	1624/1564
Performance	5.1	Travel speed load/unload	km/h	5,8/6	5,8/6	5,8/6	5,6/6
	5.2	Lifting speed load/unload	m/s	0,30/0,38	0,30/0,38	0,29/0,38	0,28/0,38
	5.3	Lowering speed load/unload	m/s	0,50/0,45	0,51/0,45	0,51/0,45	0,52/0,45
	5.8	Maximum slope laden/unladen (S2 5min.)	%	10/25	10/25	10/25	10/25
	5.10	Drive brake		Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
	5.11	Parking brake		Handle release	Handle release	Handle release	Handle release
Drive unit	6.1	Drive motor power (S2 60 min)	kW	1	1	1	1
	6.2	Lift motor power (S3 10%)	kW	1	1	1	1
	6.3	Battery type as per standard DIN 43531/35/36,A,B,C		Traction	Traction	Traction	Traction
	6.4	Battery voltage and capacity	V/Ah	24V/160	24V/180(240)	24V/180(240)	24V/270(360)
	6.5	Battery weight (+- 5%)	kg	160	180/225	180/225	240/340
Misc	8.1	Speed control		Sepex Mosfet Variator			
	8.4	Average sound level at driver's ears (translation)	dB (A)	65	65	65	65



MANITOU may, without notice, improve and modify the products presented in this data sheet.

MLM

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