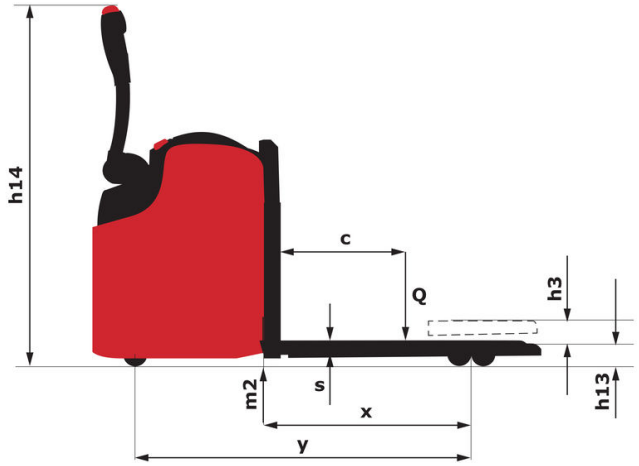
Technical sheet :

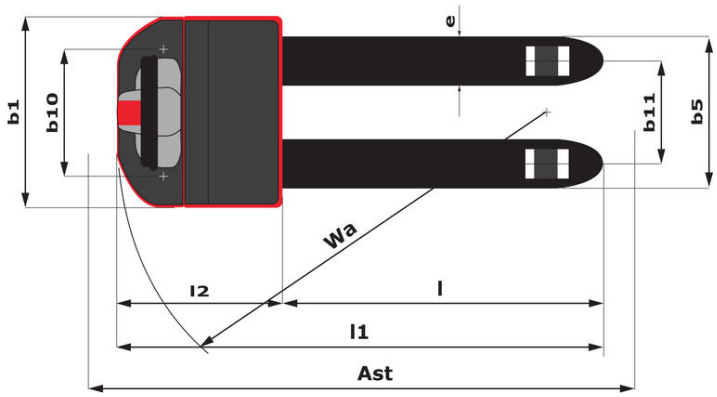
EP 18

MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		EP 18
1.3	Power source		Battery
1.4	Operator type		Pedestrian
1.5	Max. capacity	Q	1800 kg
1.6	Load centre of gravity	c	600 mm
1.8	Load distance, centre of drive axle to fork	x	953 mm
1.9	Wheelbase	y	1372 mm
	Weight		
2.1	Service weight		480 kg
2.2	Weight on front axle (laden) / rear axle (laden)		1002 kg / 1278 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		336 kg / 144 kg
	Wheels		
3.1	Tyres type		Bandage
3.5.2	Number of drive wheels		1
3.2	Dimensions of front wheels		230 x 75
3.3	Dimensions of rear wheels		2 x (82 x 100)
3.4	Additional wheels (dimensions)		2 x (100 x 40)
3.5	Number of front wheels / rear wheels		2 / 2
3.6	Front wheel gauge	b10	435 mm
3.7	Rear wheel gauge	b11	366 mm
	Dimensions		
4.4	Max. lifting height	h3	125 mm
4.9	Height tiller up max.* / max.	h14 / h14	1336 mm / 1336 mm
4.15	Fork height in low position	h13	85 mm
4.19	Overall length	l1	1739 mm
4.20	Length to face of forks	l2	589 mm
4.21	Overall width - Single wheels	b1	680 mm
4.21	Overall width	b1	680 mm
4.22	Forks section / width / length	s / e / l	45 mm x 175 mm / 1150 mm
4.25	Fork spread	b5	540 mm
4.32	Ground clearance at centre of wheelbase	m2	35 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	1939 mm
4.35	Turning radius	Wa	1544 mm
	Performances		
5.1	Travel speed (laden / unladen)		5.80 km/h / 6 km/h
5.2	Lifting speed (laden / unladen)		0.03 m/s / 0.03 m/s
5.3	Lowering speed (laden / unladen)		0.04 m/s / 0.02 m/s
5.7	Gradeability (laden / unladen)		10 % / 25 %
5.10	Service brake		Electro magnetic
5.11	Parking brake		Handle Release
	Engine		
6.1	Drive motor rating S2 60 min		1.20 kW
6.2	Lift motor rating at S3 15%		1 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		Traction
6.4	Battery / Batteries capacity		24 V / 180 Ah
6.5	Battery weight (+/- 5%)		180 kg
	Miscellaneous		
8.1	Type of drive control		AC
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 70 dB(A)

Dimensional drawing





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