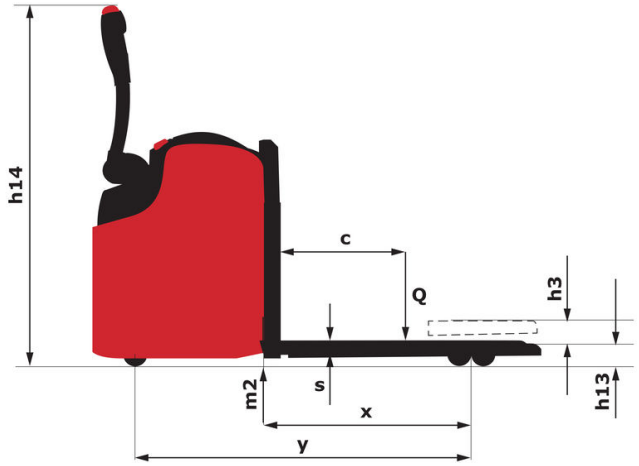
Technical sheet :

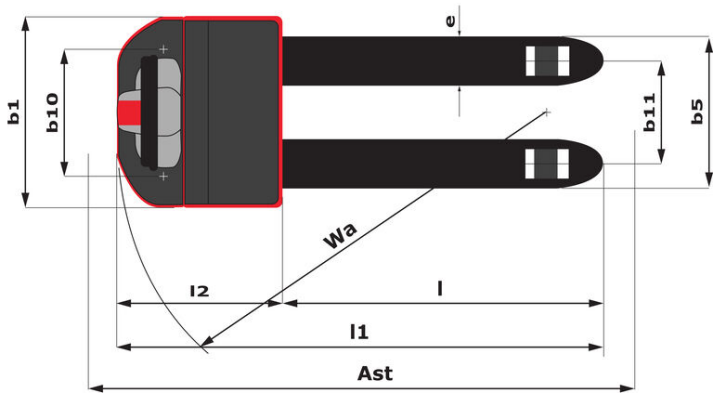
EP 16

MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		EP 16
1.3	Power source		Battery
1.4	Operator type		Pedestrian
1.5	Max. capacity	Q	1600 kg
1.6	Load centre of gravity	c	600 mm
1.8	Load distance, centre of drive axle to fork	x	964 mm
1.9	Wheelbase	y	1309 mm
	Weight		
2.1	Service weight		410 kg
2.2	Weight on front axle (laden) / rear axle (laden)		825 kg / 1185 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		286 kg / 124 kg
	Wheels		
3.1	Tyres type		Bandage
3.5.2	Number of drive wheels		1
3.2	Dimensions of front wheels		230 x 70
3.3	Dimensions of rear wheels		2x(82 x 82)
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 min.	h14	1320 mm
4.9	Height tiller up max.	h14	866 mm
4.15	Fork height in low position	h13	80 mm
4.19	Overall length	l1	1659 mm
4.20	Length to face of forks	l2	509 mm
4.21	Overall width	b1	680 mm
4.22	Forks section / width / length	s / e / l	47 mm x 160 mm / 1150 mm
4.25	Fork spread	b5	526 mm
4.32	Ground clearance at centre of wheelbase	m2	38 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	1921 m
4.35	Turning radius	Wa	1475 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)		0.05 m/s / 0.04 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 / 170 Ah
6.5	Battery weight (+/- 5%)		150 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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