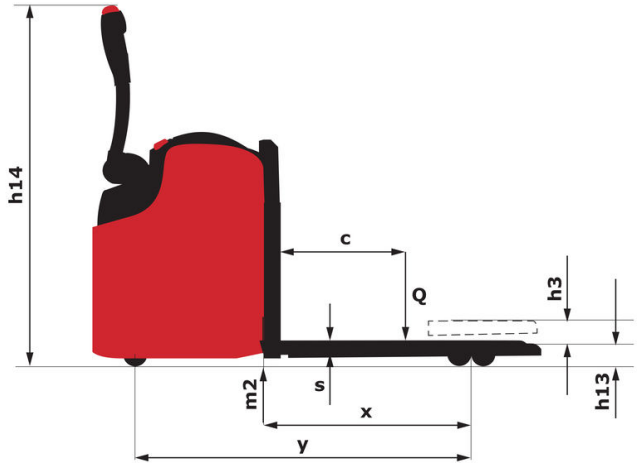
Technical sheet :

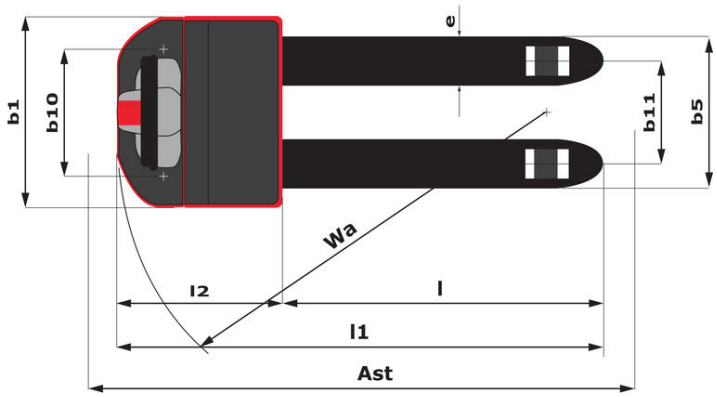
EP 22

MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		EP 22
1.3	Power source		Battery
1.4	Operator type		Pedestrian
1.5	Max. capacity	Q	2200 kg
1.6	Load centre of gravity	c	600 mm
1.8	Load distance, centre of drive axle to fork	x	894 mm
1.9	Wheelbase	y	1496 mm
	Weight		
2.1	Service weight		580 kg
2.2	Weight on front axle (laden) / rear axle (laden)		402 kg / 1296 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1484 kg / 178 kg
	Wheels		
3.1	Tyres type		Bandage
3.5.2	Number of drive wheels		1
3.2	Dimensions of front wheels		1 x (230 x 75)
3.3	Dimensions of rear wheels		4 x (82 x 68)
3.4	Additional wheels (dimensions)		2 x (120 x 50)
3.5	Number of front wheels / rear wheels		3 / 4
3.6	Front wheel gauge	b10	435 mm
3.7	Rear wheel gauge	b11	365 mm
	Dimensions		
4.4	Max. lifting height	h3	125 mm
4.9	Height tiller up min.	h14	866 mm
4.9	Height tiller up max.	h14	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	688 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	40 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2335 m
4.35	Turning radius	Wa	1665 mm
	Performances		
5.1	Travel speed (laden / unladen)		4 km/h / 4.50 km/h
5.2	Lifting speed (laden / unladen)		0.02 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 % / 20 %
5.10	Service brake		Electro magnetic
5.11	Parking brake		Handle Release
	Engine		
6.1	Drive motor rating S2 60 min		1.70 kW
6.2	Lift motor rating at S3 15%		2 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		Traction
6.4	Battery / Batteries capacity		24 V / 270 Ah
6.5	Battery weight (+/- 5%)		245 kg
	Miscellaneous		
8.1	Type of drive control		AC
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 65 dB(A)
	Vibration on hands/arms		2.50 m/s²

Dimensional drawing





Siège Social
430 rue de l'Aubinière - 44150 Ancenis Cedex - France
Tel: +33(0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97
www.manitou.com

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