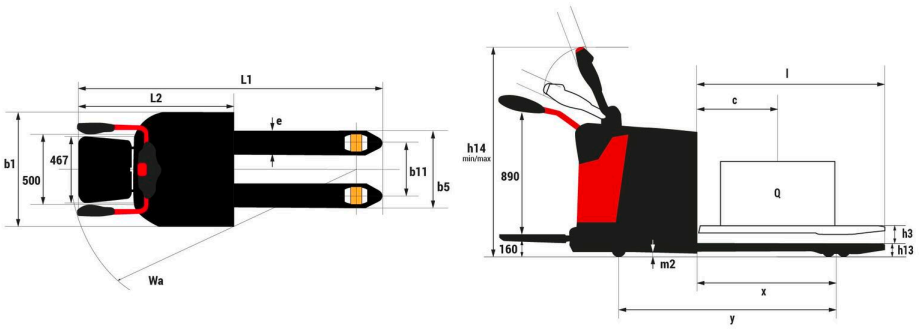
Technical sheet :

EP 20

MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		EP 20
1.3	Power source		Electrical - Lead
1.4	Operator type		Pedestrian
1.5	Max. capacity	Q	2000 kg
1.6	Load center 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		482 kg
2.2	Weight on front axle (laden) / rear axle (laden)		1077 kg / 1405 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		337 kg / 145 kg
	Wheels		
3.1	Tires type		Polyurethane cushion
3.2	Dimensions of front wheels		230 x 75
3.3	Dimensions of rear wheels		4 x (82 x 70)
3.5	Number of front wheels / rear wheels		3 / 4
3.6	Front wheel gauge	b10	435 mm
3.7	Rear wheel gauge	b11	366 mm
	Dimensions		
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	b1	680 mm
4.22	Forks section / width / length	s / e / l	45 mm x 175 mm x 1150 mm
4.25	Forks 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
4.4	Mast lifting height	h3	125 mm
4.9	Height tiller min.	h14	866 mm
4.9	Height tiller max.	h14	1320 mm
	Performances		
5.1	Travel speed (laden / unladen)		5.80 km/h / 6 km/h
5.2	Lifting speed (laden / unladen)		0.02 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		DIN 43535-B
6.4	Battery voltage / 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		< 65 dB

EP 20 - Dimensional drawing



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