

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		Electrical - Lead
1.4	Operator type		Pedestrian
1.5	Max. capacity	Q	2200 kg
1.6	Load center 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		Metric	
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		Metric	
3.1	Tires type		Polyurethane cushion
3.2	Dimensions of front wheels		1 x (230 x 75)
3.3	Dimensions of rear wheels		4 x (82 x 68)
3.4	Number of stabilizer wheels / Size of the stabilizer wheels		2 / 120 x 50 mm
3.5.2	Number of drive wheels / front wheels / rear wheels		1 / 3 / 4
3.6	Front wheel gauge	b10	435 mm
3.7	Rear wheel gauge	b11	365 mm
Dimensions		Metric	
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 x 1150 mm
4.25	Forks 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 mm
4.35	Turning radius	Wa	1665 mm
4.4	Mast lifting height	h3	125 mm
4.9	Height tiller min.	h14	866 mm
4.9	Height tiller max.	h14	1336 mm
Performances		Metric	
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		Metric	
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 voltage / capacity		24 V / 270 Ah
6.5	Battery weight (+/- 5%)		245 kg
Miscellaneous		Metric	
8.1	Type of drive control		AC
8.4	Measured/guaranteed mean noise level at the ear of the operator		65 dB
	Vibration on hands/arms		2.50 m/s ²



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