

Technical sheet :

# EP 18

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Technical characteristics			Metric	
1.1	Manufacturer			Manitou
1.2	Model Name			EP 18
1.3	Power source			Electrical - Lead
1.4	Operator type			Pedestrian
1.5	Max. capacity	Q		1800 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			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	Tires type			Polyurethane cushion
3.2	Dimensions of front wheels			230 x 75
3.3	Dimensions of rear wheels			2 x (82 x 100)
3.5.2	Number of drive wheels / front wheels / rear wheels			1 / 2 / 2
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 - 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 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 max.	h14		1336 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 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			< 70 dB

### EP 18 - Dimensional drawing



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