

Technical sheet :

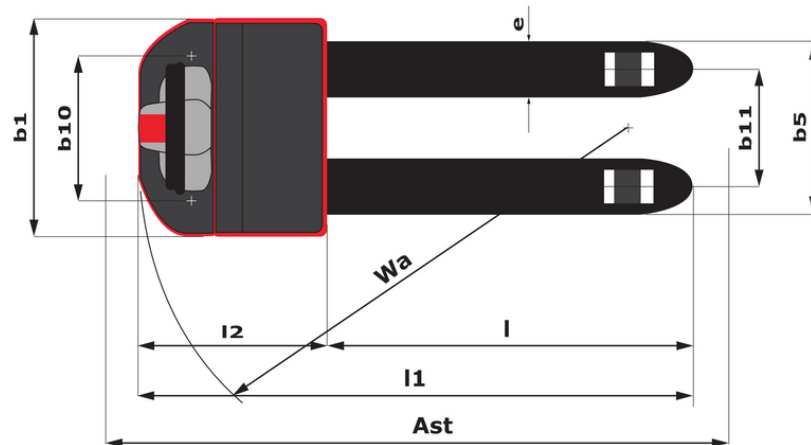
# EP 18

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Technical characteristics			Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		EP 18	EP 18
1.3	Power source		Electrical	Electrical
1.4	Operator type		Pedestrian	Pedestrian
1.5	Max. capacity	Q	1800 kg	3968 lb
1.6	Load center of gravity	c	600 mm	24 in
1.8	Load distance, centre of drive axle to fork	x	953 mm	38 in
1.9	Wheelbase	y	1372 mm	54 in
Weight				
2.1	Service weight		480 kg	1058 lb
2.2	Weight on front axle (laden) / rear axle (laden)		1002 kg / 1278 kg	2209 lb / 2818 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		336 kg / 144 kg	741 lb / 317 lb
Wheels				
3.1	Tires type		Bandage	Bandage
3.2	Dimensions of front wheels		230 x 75	230 x 75
3.3	Dimensions of rear wheels		2 x (82 x 100)	2 x (82 x 100)
3.4	Additional wheels (dimensions)		2 x (100 x 40)	2 x (100 x 40)
3.5.2	Number of drive wheels / front wheels / rear wheels		1x + 2 / 2	1x + 2 / 2
3.6	Front wheel gauge	b10	435 mm	17 in
3.7	Rear wheel gauge	b11	366 mm	14 in
Dimensions				
4.15	Fork height in low position	h13	85 mm	3 in
4.19	Overall length	l1	1739 mm	68 in
4.20	Length to face of forks	l2	589 mm	23 in
4.21	Overall width - Single wheels	b1	680 mm	27 in
4.21	Overall width	b1	680 mm	27 in
4.22	Forks section / width / length	s / e / l	45 mm x 175 mm x 1150 mm	2 in x 7 in x 45 in
4.25	Fork spread	b5	540 mm	21 in
4.32	Ground clearance at centre of wheelbase	m2	35 mm	1 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	1939 mm	76 in
4.35	Turning radius	Wa	1544 mm	61 in
4.4	Mast lift	h3	125 mm	5 in
4.9	Height tiller up max.* / max.	h14 / h14	1336 mm / 1336 mm	53 in / 53 in
Performances				
5.1	Travel speed (laden / unladen)		5.80 km/h / 6 km/h	4 mph / 4 mph
5.2	Lifting speed (laden / unladen)		0.03 m/s / 0.03 m/s	0.10 ft/s / 0.12 ft/s
5.3	Lowering speed (laden / unladen)		0.04 m/s / 0.02 m/s	0.16 ft/s / 0.09 ft/s
5.7	Gradeability (laden / unladen)		10 % / 25 %	10 % / 25 %
5.10	Service brake		Electro magnetic	Electro magnetic
5.11	Parking brake		Handle Release	Handle Release
Engine				
6.1	Drive motor rating S2 60 min		1.20 kW	1.20 kW
6.2	Lift motor rating at S3 15%		1 kW	1 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		Traction	Traction
6.4	Battery voltage / capacity		24 V / 180 Ah	24 V / 180 Ah
6.5	Battery weight (+/- 5%)		180 kg	397 lb
Miscellaneous				
8.1	Type of drive control		AC	AC
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 70 dB	< 70 dB

## EP 18 - Dimensional drawing



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