Technical sheet:

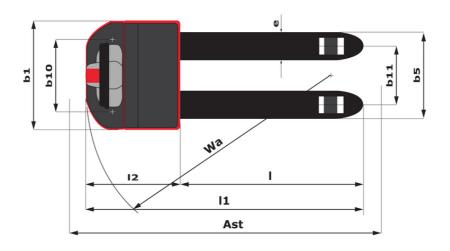
EP 18





Technical Characteristics			EP18 UI	eated on August 15, 2025 at 2.12 PM OTC
1.2 Model Name		Technical characteristics		Metric
1.3	1.1	Manufacturer		Manitou
1.4 Operator type	1.2	Model Name		EP 18
1.5	1.3	Power source		Electrical
1.5 Max. capacity 0 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 480 kg 480 kg 2.1 Service weight 480 kg 1002 kg / 1278 kg 2.3 Weight on front axle (Unladen) / rear axle (Unladen) 336 kg / 144 kg 1002 kg / 1278 kg 3.1 Tires type Bandage 230 x 75 33 2 x (82 x 100) 335 kg / 144 kg 230 x 75 33 2 x (82 x 100) 37 x 75 2 x (82 x 100) 37 x 75 32 x 100 32 x 12 x	1.4	Operator type		Pedestrian
1.6 Load center of gravity	1.5	Max. capacity	Q	1800 kg
1.8		• •	C	-
1.9 Wheelbase y 1372 mm Weight	1.8	- /	X	
Veright Service weight A80 kg				
2.1 Service weight				
2.2 Weight on front axie (laden) / rear axie (laden)	2.1	-		480 ka
2.3 Weight on front axle (Unladen) / rear axle (Unladen)		•		-
Wineels Bandage 3.1 Tires type Bandage 230 x 75 3.2 Dimensions of front wheels 22 (82 x 100) 3.5.2 Number of drive wheels / front wheels 1 / 2 / 2 3.6 Front wheel gauge b10 435 mm 3.7 Rear wheel gauge b11 366 mm Dimensions				
Sandage Sand	2.0			000 kg / 144 kg
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	3.1			Randage
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				
3.5.2 Number of drive wheels / front wheels / rear wheels 1 / 2 / 2				
3.6 Front wheel gauge				
Sear wheel gauge			h10	
Note		* *		
4.15 Fork height in low position h13 85 mm 4.19 Overall length 11 1739 mm 4.20 Length to face of forks 12 589 mm 4.21 Overall width - Single wheels b1 680 mm 4.21 Overall width 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 Tuming 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) 0.04 m/s / 0.03 m/s 5.7 Gradeability (laden / unladen) 0.04 m/s / 0.02 m/s 5.10 Service brake Electro magnetic	3./		DII	300 11111
4.19 Overall length 11 1739 mm 4.20 Length to face of forks 12 589 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 4.24 Forks spread m2 35 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 Tuming 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 5.7 Gradeability (laden / unladen) 0.04 m/s / 0.02 m/s 5.10 Service brake Electro magnetic 5.11 Parking brake Handle Release <td>4.15</td> <td></td> <td>h10</td> <td>05</td>	4.15		h10	05
4.20 Length to Face of forks 12 589 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) 0.04 m/s / 0.02 m/s 5.10 Service brake Electro magnetic 5.11 Parking brake Handle Release				
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 Tuming 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				
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5.3 Lowering speed (laden / unladen) 5.7 Gradeability (laden / unladen) 5.8 Service brake 5.10 Parking brake 6 Handle Release		,		
5.7 Gradeability (laden / unladen) 5.10 Service brake 5.11 Parking brake 10 % / 25 % Electro magnetic Handle Release		Lifting speed (laden / unladen)		0.03 m/s / 0.03 m/s
5.10 Service brake Electro magnetic 5.11 Parking brake Handle Release		Lowering speed (laden / unladen)		0.04 m/s / 0.02 m/s
5.11 Parking brake Handle Release		Gradeability (laden / unladen)		10 % / 25 %
	5.10	Service brake		Electro magnetic
Engine	5.11	Parking brake	<u></u>	Handle Release
		Engine		
6.1 Drive motor rating \$2.60 min 1.20 kW	6.1	Drive motor rating S2 60 min		1.20 kW
6.2 Lift motor rating at S3 15% 1 kW	6.2	Lift motor rating at S3 15%		1 kW
6.3 Battery according to DIN 43531/35/36 A, B, C Traction	6.3	Battery according to DIN 43531/35/36 A, B, C		Traction
6.4 Battery voltage / capacity 24 V / 180 Ah	6.4	Battery voltage / capacity		24 V / 180 Ah
6.5 Battery weight (+/- 5%)	6.5	Battery weight (+/- 5%)		180 kg
Miscellaneous		Miscellaneous		
8.1 Type of drive control AC	8.1	Type of drive control		AC
8.4 Measured/guaranteed mean noise level at the ear of the operator < 70 dB	8.4	Measured/guaranteed mean noise level at the ear of the operator		< 70 dB

EP 18 - Dimensional drawing







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