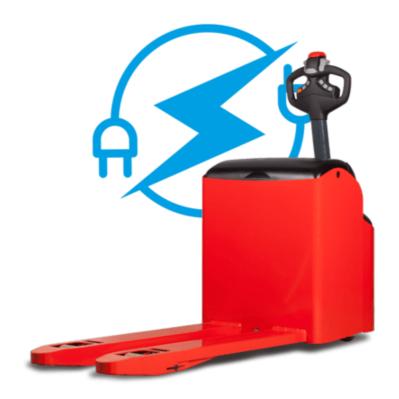
Technical sheet:

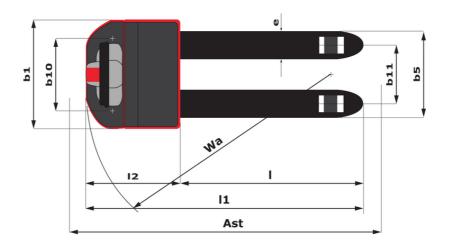
## **EP 18**





Technical planneteristics		EP18 Created on August 11, 2025 at 3.16 AM OTC		
1.2   Model Name		Technical characteristics		Metric
1.4   Operator type	1.1	Manufacturer		Manitou
1.5   Max.capacity   Q   1800 kg	1.2	Model Name		EP 18
1.5	1.3	Power source		Electrical
1.5	1.4	Operator type		Pedestrian
1.6   Load clastance, center of gravity	1.5		Q	
1.8			C	-
1.9   Wheelbase   y   1372 mm   Weight		- ,		
2.1   Service weight				
2.2   Weight on front axie (laden) / rear axie (laden)   336 kg / 1278 kg   336 kg / 144 kg   Weight on front axie (Uniaden) / rear axie (Uniaden)   336 kg / 144 kg   336 kg / 144 k	2.1			480 ka
2.3   Weight on front axis (Unladen) / rear axis (Unladen)		•		-
Wheels				
3.1   Tires type	2.0			ood ng y 111 ng
3.2 Dimensions of front wheels 3.3 Dimensions of rear wheels 3.5.2 Number of drive wheels / front wheels / rear wheels 3.5.2 Number of drive wheels / front wheels / rear wheels 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 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 - Single wheels b1 680 mm 4.22 Forks section / width / length 4.25 Forks section / width / length 4.26 Forks section / width / length 4.27 Ground clearance at centre of wheelbase 4.32 Ground clearance at centre of wheelbase 4.34 Aisle width for 800 x 1200 pallet lengthways 4.35 Turning radius 4.36 Was 11544 mm 4.37 Mast lifting height 4.39 Height tiller max. h14 1336 mm  Performances 5.1 Travel speed (laden / unladen) 5.2 Lifting speed (laden / unladen) 5.3 Coradeability (laden / unladen) 5.4 Coradeability (laden / unladen) 5.7 Gradeability (laden / unladen) 5.8 Service brake 5.10 Drive motor rating \$2.60 min	3.1			Randage
3.3   Dimensions of rear wheels   2x (82 x 100)				
3.5.2   Number of drive wheels / front wheels / rear wheels   1 / 2 / 2				
Sear wheel gauge				
3.7   Rear wheel gauge   b11   366 mm			h10	
Dimensions				
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       569 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       A is le 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         4.9       Height greed (laden / unladen)       5.80 km/h / 6 km/h         5.1       Travel speed (laden / unladen)       0.03 m/s / 0.03 m/s         5.2       Lifting 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       Sevice brake       Electro magnetic <tr< td=""><td>3.7</td><td></td><td>DII</td><td>300 11111</td></tr<>	3.7		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         4.21       Overall width / length       5 / e / l       45 mm x 175 mm x 1150 mm         4.22       Forks section / width / length       b5       540 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)       0.04 m/s / 0.02 m/s         5.10       Service brake<	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 mx 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)       0.04 m/s / 0.02 m/s         5.10       Service brake       Electro magnetic         5.11       Parking brake       Handle Release         Engline       In the print of the print of the print o				
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         Perfomances         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       Handle Release		·		
A.21   Overall width   Exercise   Description   Descript				
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         Engine       Drive motor rating S2 60 min       1.20 kW		·		
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         5.2       Lifting 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         Engine       In yellow motor rating S2 60 min       1.20 kW				
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         Engine       1.20 kW		-		
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         Engine       1.20 kW		•		
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         Engine       1.20 kW				
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 \$2 60 min       1.20 kW				
4.9       Height tiller max.       h14       1336 mm         Perfomances         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       1.20 kW		•		
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         1.20 kW				
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       1.20 kW		-	h14	1336 mm
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       1.20 kW				
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       1.20 kW		, ,		
5.7 Gradeability (laden / unladen)  5.10 Service brake  5.11 Parking brake  Engine  6.1 Drive motor rating \$2 60 min  10 % / 25 %  Electro magnetic  Handle Release  Handle Release  1.20 kW		Lifting speed (laden / unladen)		0.03 m/s / 0.03 m/s
5.10 Service brake Electro magnetic 5.11 Parking brake Handle Release  Engine 6.1 Drive motor rating \$2.60 min 1.20 kW		Lowering speed (laden / unladen)		0.04 m/s / 0.02 m/s
5.11 Parking brake Handle Release  Engine  6.1 Drive motor rating \$2 60 min 1.20 kW		Gradeability (laden / unladen)		10 % / 25 %
Engine  6.1 Drive motor rating \$2 60 min  1.20 kW	5.10	Service brake		Electro magnetic
6.1 Drive motor rating S2 60 min 1.20 kW	5.11	Parking brake	<u></u>	Handle Release
		Engine		
6.2 Lift motor rating at \$3.15%	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	6.3	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







## **Head Office**

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