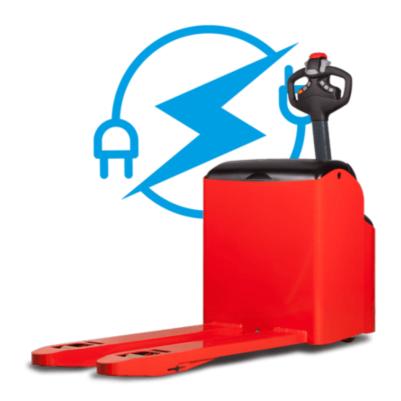
Technical sheet:

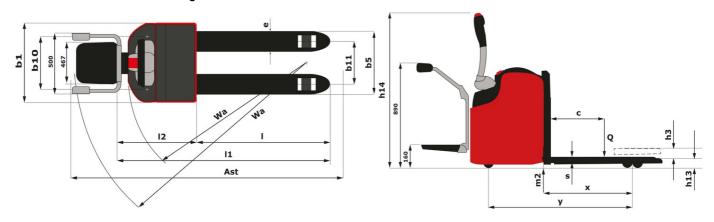
EP 20





Technical characteristics	Metric Manitou
1.2 Model Name	Manitou
1.3 Power source	
1.4 Operator type 1.5 Max. capacity Q 1.6 Load center of gravity c 1.8 Load distance, centre of drive axle to fork x 1.9 Wheelbase y Weight 2.1 Service weight	EP 20
1.5	Electrical
1.6	Pedestrian
1.6	2000 kg
1.8	600 mm
Weight Weight Service weight Ser	953 mm
Weight Service weight on front axle (laden) / rear axle (Unladen) Service weight on front axle (Unladen) Service weight on front axle (Unladen) Service weight Servi	1372 mm
Service weight Service weight Service weight on front axle (laden) / rear axle (laden)	
	482 kg
Weight on front axle (Unladen) / rear axle (Unladen) Wheels	1077 kg / 1405 kg
Wheels Image: Company of the company of t	337 kg / 145 kg
3.1 Tires type 3.2 Dimensions of front wheels 3.3 Dimensions of rear wheels 3.4 Additional wheels (dimensions) 3.5 Number of front wheels / rear wheels 3.6 Front wheel gauge 3.7 Rear wheel gauge bittensions 4.15 Fork height in low position 4.19 Overall length 4.20 Length to face of forks 4.21 Overall width 4.22 Forks section / width / length s / e / l 45 4.25 Fork spread b5 4.32 Ground clearance at centre of wheelbase m2 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 4.3 Turning radius Wa 4.4 Mast lift h3 4.9 Height tiller max. h14 4.9 Height tiller max. h14 Performances Travel speed (laden / unladen) Travel speed (laden / unladen)	337 kg / 143 kg
3.2 Dimensions of front wheels	Bandage
3.3 Dimensions of rear wheels 3.4 Additional wheels (dimensions) 3.5 Number of front wheels / rear wheels 3.6 Front wheel gauge 3.7 Rear wheel gauge bit Dimensions 4.15 Fork height in low position 4.19 Overall length 4.20 Length to face of forks 4.21 Overall width 4.22 Forks section / width / length 4.25 Fork spread 4.32 Ground clearance at centre of wheelbase 4.34 Asise width for 800 x 1200 pallet lengthways 4.35 Tuming radius 4.4 Mast lift 4.9 Height tiller min. 4.9 Height tiller max. Performances 5.1 Travel speed (laden / unladen)	230 x 75
3.4 Additional wheels (dimensions) 3.5 Number of front wheels / rear wheels 3.6 Front wheel gauge b10 3.7 Rear wheel gauge b11 Dimensions 4.15 Fork height in low position h13 4.19 Overall length 11 4.20 Length to face of forks 12 4.21 Overall width b1 4.22 Forks section / width / length \$ / e / l 45 4.25 Fork spread b5 4.32 Ground clearance at centre of wheelbase m2 4.34 A isle width for 800 x 1200 pallet lengthways Ast 4.35 Tuming radius Wa 4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen) Travel speed (laden / unladen)	
3.5 Number of front wheels / rear wheels 3.6 Front wheel gauge b10 3.7 Rear wheel gauge b11 Dimensions 4.15 Fork height in low position h13 4.19 Overall length I1 4.20 Length to face of forks I2 4.21 Overall width b1 4.22 Forks section / width / length s / e / l 45 4.25 Fork spread b5 4.32 Ground clearance at centre of wheelbase m2 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 4.35 Tuming radius Wa 4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen) Travel speed (laden / unladen)	4 x (82 x 70)
3.6 Front wheel gauge b10 3.7 Rear wheel gauge b11 Dimensions 4.15 Fork height in low position h13 4.19 Overall length I1 4.20 Length to face of forks I2 4.21 Overall width b1 4.22 Forks section / width / length s / e / l 45 4.25 Fork spread b5 4.32 Ground clearance at centre of wheelbase m2 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 4.35 Tuming radius Wa 4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen) Interval speed (laden / unladen)	2 x (100 x 40)
Sear wheel gauge	3x + 4
Dimensions 4.15 Fork height in low position h13 4.19 Overall length l1 4.20 Length to face of forks l2 4.21 Overall width b1 4.22 Forks section / width / length s / e / l 45 4.25 Fork spread b5 4.32 Ground clearance at centre of wheelbase m2 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 4.35 Tuming radius Wa 4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen) Interval speed (laden / unladen)	435 mm
4.15 Fork height in low position h13 4.19 Overall length l1 4.20 Length to face of forks l2 4.21 Overall width b1 4.22 Forks section / width / length s / e / l 45 4.25 Fork spread b5 4.32 Ground clearance at centre of wheelbase m2 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 4.35 Tuming radius Wa 4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen) Interval speed	366 mm
4.19 Overall length I1 4.20 Length to face of forks I2 4.21 Overall width b1 4.22 Forks section / width / length \$ /e / l 45 4.25 Fork spread b5 4.32 Ground clearance at centre of wheelbase m2 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 4.35 Tuming radius Wa 4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen) Intervention of the color	
4.20 Length to face of forks I2 4.21 Overall width b1 4.22 Forks section / width / length \$ /e / l 45 4.25 Fork spread b5 4.32 Ground clearance at centre of wheelbase m2 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 4.35 Tuming radius Wa 4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen) I2	85 mm
4.21 Overall width b1 4.22 Forks section / width / length s / e / l 45 4.25 Fork spread b5 4.32 Ground clearance at centre of wheelbase m2 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 4.35 Tuming radius Wa 4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen) Interval of the color of t	1739 mm
4.22 Forks section / width / length s / e / l 4.5 4.25 Fork spread b5 4.32 Ground clearance at centre of wheelbase m2 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 4.35 Tuming radius Wa 4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen) Image: Travel speed (laden / unladen)	589 mm
4.25 Fork spread b5 4.32 Ground clearance at centre of wheelbase m2 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 4.35 Tuming radius Wa 4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen) Town of the performances	680 mm
4.32 Ground clearance at centre of wheelbase m2 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 4.35 Tuming radius Wa 4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen) Image: Travel speed (laden / unladen)	mm x 175 mm x 1150 mm
4.34 Aisle width for 800 x 1200 pallet lengthways Ast 4.35 Turning radius Wa 4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen) Image: Travel speed (laden / unladen)	540 mm
4.35 Tuming radius Wa 4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen)	35 mm
4.4 Mast lift h3 4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen)	1939 mm
4.9 Height tiller min. h14 4.9 Height tiller max. h14 Performances 5.1 Travel speed (laden / unladen) Image: Company of the performance of	1544 mm
4.9 Height tiller max. h14 Performances	125 mm
Performances 5.1 Travel speed (laden / unladen)	866 mm
5.1 Travel speed (laden / unladen)	1320 mm
5.2 Lifting speed (laden / unladen)	5.80 km/h / 6 km/h
oiz zirang opeca (laden / amaden /	0.02 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
6.2 Lift motor rating at S3 15%	1 kW
6.3 Battery according to DIN 43531/35/36 A, B, C	DIN 43535-B
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	< 65 dB

EP 20 - Dimensional drawing







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