Technical sheet:

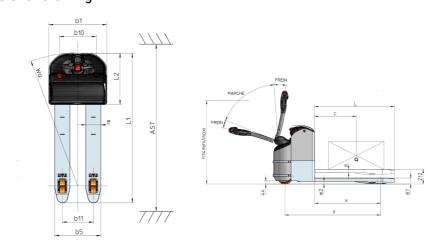
## EP 20 INOX





		Technical characteristics		Metric
	1.1	Manufacturer		Manitou
1.4   Operator type	1.2	Model Name		EP 20 Inox
Max. capacity	1.3	Power source		Electrical
Load denter of growty   C   600 mm	1.4	Operator type		Pedestrian
Load distance, centre of drive axle to fork   y   1379 mm	1.5	Max. capacity	Q	2000 kg
1.8   Load distance, center of drive asle to fock   y   1.379 mm   Yelight   Yelight or front asle (laden) / rear axie (laden)   Year axie (Unladen)   Yelight or front asle (Unladen) / rear axie (Unladen)   Yelight or front asle (Unladen) / rear axie (Unladen)   Yelight or front asle (Unladen) / rear axie (Unladen)   Yelight or front asle (Unladen) / Yelight or front wheels   Yelight or front wheels   Yelight or front wheels / Y	1.6	Load center of gravity	С	600 mm
Neight   Service weight   482 kg	1.8	Load distance, centre of drive axle to fork	X	952 mm
	1.9	Wheelbase	у	1379 mm
Weight on front axie (laden) / rear axie (laden)   1077 kg / 1405 kg   337 kg / 145 kg   Weight on front axie (Unladen) / rear axie (Unladen)   337 kg / 145 kg   Weight on front axie (Unladen) / rear axie (Unladen)   230 kg / 320 kg   331 kg / 345 kg   332 kg / 333 kg / 345 kg   332 kg / 333 kg / 345 kg   320 kg / 333 kg / 345 kg   320 kg /		Weight		
Weight on front axie (Unladen) / rear axie (Unladen)   337 kg / 145 kg	2.1	Service weight		482 kg
Wincels   Polyurethane   Polyurethane   230 x 70   3.3   Dimensions of front wheels   230 x 70   3.3   Dimensions of rear wheels   32 x 68   33   Polyurethore of drive wheels / front wheels	2.2	Weight on front axle (laden) / rear axle (laden)		1077 kg / 1405 kg
Tires type	2.3	Weight on front axle (Unladen) / rear axle (Unladen)		337 kg / 145 kg
Tires type				
Dimensions of front wheels   230 x 70	3.1			Polyurethane
1	3.2			·
1				
Sear Wheel gauge				
Sear wheel gauge			h10	
Fork height in low position	0.7			000
19   Overall length   11   1752 mm   12   601 mm   12	4 15		h13	87 mm
Length to Face of forks   12   601 mm     Length to Face of forks   12   601 mm     Length to Face of forks   15   684 mm     Length to Forks section / width / length   5 / e / l     Forks section / width / length   5 / e / l     Forks section / width / length   5 / e / l     Forks section / width / length   5 / e / l     Forks section / width / length   5 / e / l     Forks section / width / length   5 / e / l     Forks section / width / length   5 / e / l     Forks section / width / length   5 / e / l     Forks section / width / length   12 / e / e / l     Forks section / width / length   12 / e / e / l     Forks section / width / length   12 / e / e / l     Forks section / width / length   12 / e / e / l     Forks section / width / length   12 / e / e / l     Forks section / width / length   12 / e / e / l     Forks section / width / length   12 / e / e / l     Forks section / width / length   12 / e / e / l     Forks section / width / length   12 / e / e / l     Forks section / width / length   12 / e / e / l     Forks section / width / length   12 / e / e / e / l     Forks section / width / length   12 / e / e / e / e / e / e / e / e / e /				
1.21   Overall width		-		
Forks section / width / length				
Forks spread   B5   544 mm     A32   Ground clearance at centre of wheelbase   m2   40 mm     A34   Aisle width for 800 x 1200 pallet lengthways   Ast   2170 mm     A35   Tuming radius   Wa   1560 mm     A44   Mast lifting height   B3   125 mm     A49   Height tiller min.   B14   B70 mm     A49   Height tiller max.   B14   B70 mm     A49   Height tiller max.   B14   B70 mm     A49   Height tiller max.   B14   B70 mm     A51   Travel speed (laden / unladen)   S km/h / 5 km/h     5.1   Travel speed (laden / unladen)   O.02 m/s / 0.03 m/s     5.2   Lifting speed (laden / unladen)   O.02 m/s / 0.03 m/s     5.3   Lowering speed (laden / unladen)   D.04 m/s / 0.02 m/s     5.3   Lowering speed (laden / unladen)   D.04 m/s / 0.02 m/s     5.7   Gradeability (laden / unladen)   D.04 m/s / 0.02 m/s     5.8   Electro magnetic     5.11   Parking brake   Electro magnetic     6.11   Drive motor rating S2 60 min   D.20 kW     6.2   Lift motor rating at S3 15%   DIN 43535-B     6.4   Battery voltage / capacity   24 V / 180 Ah     6.5   Battery weight (+/- 5%)   Battery weight (+/- 5%)     6.6   Miscellaneous   Miscellaneous   Battery weight (+/- 5%)     6.7   Miscellaneous   Miscellaneous   Battery weight (+/- 5%)     6.8   Miscellaneous   DIN 45631/35/36 A, B, C   DIN 43535-B     6.9   Miscellaneous   DIN 45631/35/36 A     6.1   Type of drive control   AC   DIN 45735-B     6.2   Lift motor control   AC   DIN 45735-B     6.3   Battery weight (+/- 5%)   Battery weight (+/- 5%)   Battery weight (+/- 5%)     6.4   Battery oltage / capacity (-/				
Ground clearance at centre of wheelbase				
4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       2170 mm         4.35       Tuming radius       Wa       1560 mm         4.4       Mast lifting height       h3       125 mm         4.9       Height tiller min.       h14       870 mm         4.9       Height tiller max.       h14       1320 mm         Performances         5.1       Travel speed (laden / unladen)       5 km/h / 5 km/h         5.2       Lifting speed (laden / unladen)       0.02 m/s / 0.03 m/s         5.7       Gradeability (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         6.11       Drive motor rating \$2.60 min       1.20 kW         6.12       Lift motor rating \$2.50 min       1.20 kW         6.2       Lift motor rating \$2.50 min       1.20 kW         6.3       Battery voltage / capacity       24 V/ 180 Ah         6.5       Battery voltage / capacity       24 V/ 180 Ah         6.5       Battery voltage / capacity       180 kg         Miscellaneous       180 kg		·		
4.35       Tuming radius       Wa       1560 mm         4.4       Mast lifting height       h3       125 mm         4.9       Height tiller min.       h14       870 mm         4.9       Height tiller max.       h14       1320 mm         Performances         5.1       Travel speed (laden / unladen)       5 km/h / 5 km/h         5.2       Lifting speed (laden / unladen)       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       Divie motor rating \$2.60 min       1.20 kW         6.2       Lift motor rating at \$3.15%       1 kW         6.3       Battery according to DIN 43531/35/36 A, B, C       DIN 43535-B         6.4       Battery weight (+/- 5%)       24 V / 180 Ah         6.5       Battery weight (+/- 5%)       180 kg         Miscellaneous         8.1       Type of drive control       AC				
Mast lifting height   Mast lifting height				
4.9       Height tiller min.       h14       870 mm         4.9       Height tiller max.       h14       1320 mm         Performances         5.1       Travel speed (laden / unladen)       5 km/h / 5 km/h         5.2       Lifting speed (laden / unladen)       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 \$3.15%       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		•		
Height tiller max.		• •		
Performances         5.1       Travel speed (laden / unladen)       5 km/h / 5 km/h         5.2       Lifting speed (laden / unladen)       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 \$3 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		•		
5.1       Travel speed (laden / unladen)       5 km/h / 5 km/h         5.2       Lifting speed (laden / unladen)       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 \$3 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	4.5		1114	1320 111111
5.2       Lifting speed (laden / unladen)       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 \$3 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	5.1			5 km/h / 5 km/h
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 \$3 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				
5.7       Gradeability (laden / unladen)       10 % / 25 %         5.10       Service brake       Electro magnetic         5.11       Parking brake       Handle Release         Engine		- ' '		
Service brake   Electro magnetic   Handle Release				
Parking brake   Handle Release				
Engine         1.20 kW           6.1         Drive motor rating \$2 60 min         1.20 kW           6.2         Lift motor rating at \$3 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				· · · · · · · · · · · · · · · · · · ·
6.1       Drive motor rating \$2 60 min       1.20 kW         6.2       Lift motor rating at \$3 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	0.11			Hallule Nelease
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	6.1	•		1 20 kW
6.3 Battery according to DIN 43531/35/36 A, B, C  6.4 Battery voltage / capacity  6.5 Battery weight (+/- 5%)  Miscellaneous  8.1 Type of drive control  Battery weight (+/- 5%)  AC				
6.4 Battery voltage / capacity 24 V / 180 Ah 6.5 Battery weight (+/- 5%) 180 kg  Miscellaneous 25  8.1 Type of drive control AC				
6.5 Battery weight (+/- 5%)  Miscellaneous  8.1 Type of drive control  AC				
Miscellaneous  8.1 Type of drive control  AC				
8.1 Type of drive control AC	0.5			180 kg
21	0.1			
	8.1	Type of drive control  Measured/quaranteed mean noise level at the ear of the operator		AC < 75 dB

## EP 20 Inox - Dimensional drawing







## **Head Office**

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