

Technical sheet :

# EP 20

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	Technical characteristics		Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		EP 20	EP 20
1.3	Power source		Electrical	Electrical
1.4	Operator type		Pedestrian	Pedestrian
1.5	Max. capacity	Q	2000 kg	4409 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
	<b>Weight</b>			
2.1	Service weight		482 kg	1063 lb
2.2	Weight on front axle (laden) / rear axle (laden)		1077 kg / 1405 kg	2374 lb / 3097 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		337 kg / 145 kg	743 lb / 320 lb
	<b>Wheels</b>			
3.1	Tires type		Bandage	Bandage
3.2	Dimensions of front wheels		230 x 75	230 x 75
3.3	Dimensions of rear wheels		4 x (82 x 70)	4 x (82 x 70)
3.4	Additional wheels (dimensions)		2 x (100 x 40)	2 x (100 x 40)
3.5	Number of front wheels / rear wheels		3x + 4	3x + 4
3.6	Front wheel gauge	b10	435 mm	17 in
3.7	Rear wheel gauge	b11	366 mm	14 in
	<b>Dimensions</b>			
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	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 min.	h14	866 mm	34 in
4.9	Height tiller max.	h14	1320 mm	52 in
	<b>Performances</b>			
5.1	Travel speed (laden / unladen)		5.80 km/h / 6 km/h	4 mph / 4 mph
5.2	Lifting speed (laden / unladen)		0.02 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
	<b>Engine</b>			
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		DIN 43535-B	DIN 43535-B
6.4	Battery voltage / capacity		24 V / 180 Ah	24 V / 180 Ah
6.5	Battery weight (+/- 5%)		180 kg	397 lb
	<b>Miscellaneous</b>			
8.1	Type of drive control		AC	AC
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 65 dB	< 65 dB

## EP 20 - Dimensional drawing





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