

Technical sheet :

# CI 20



	Technical characteristics		Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		CI 20	CI 20
1.3	Power source		Electrical	Electrical
1.4	Operator type		Carried	Carried
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	949 mm	37 in
1.9	Wheelbase	y	2194 mm	86 in
	Weight			
2.1	Service weight		1450 kg	3197 lb
2.2	Weight on front axle (laden) / rear axle (laden)		1298 kg / 2152 kg	2862 lb / 4744 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		928 kg / 522 kg	2046 lb / 1151 lb
	Wheels			
3.1	Tires type		Bandage	Bandage
3.2	Dimensions of front wheels		254 x 100	254 x 100
3.3	Dimensions of rear wheels		85 x 90	85 x 90
3.4	Additional wheels (dimensions)		140 x 50	140 x 50
3.5.2	Number of drive wheels / front wheels / rear wheels		1x + 2 / 4	1x + 2 / 4
3.6	Front wheel gauge	b10	505 mm	20 in
3.7	Rear wheel gauge	b11	370 mm	15 in
	Dimensions			
4.8	Platform height	h7	130 mm	5 in
4.15	Fork height in low position	h13	85 mm	3 in
4.19	Overall length	l1	2602 mm	102 in
4.20	Length to face of forks	l2	1432 mm	56 in
4.21	Overall width - Single wheels	b1	800 mm	31 in
4.21	Overall width	b1	800 mm	2624 ft 8 in
4.22	Forks section / width / length	s / e / l	45 mm x 170 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	40 mm	2 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2851 mm	112 in
4.35	Turning radius	Wa	2400 mm	94 in
4.4	Mast lifting height	h3	210 mm	8 in
4.9	Height tiller max.	h14	1212 mm	48 in
	Performances			
5.1	Travel speed (laden / unladen)		9 km/h / 12 km/h	6 mph / 7 mph
5.2	Lifting speed (laden / unladen)		0.10 m/s / 0.15 m/s	0.33 ft/s / 0.49 ft/s
5.3	Lowering speed (laden / unladen)		0.13 m/s / 0.10 m/s	0.43 ft/s / 0.33 ft/s
5.7	Gradeability (laden / unladen)		6 % / 10 %	6 % / 10 %
5.10	Service brake		Electro magnetic	Electro magnetic
5.11	Parking brake		Butterfly switch release	Butterfly switch release
	Engine			
6.1	Drive motor rating S2 60 min		2 kW	2 kW
6.2	Lift motor rating at S3 15%		2 kW	2 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		Traction	Traction
6.4	Battery voltage / capacity		24 V / 465 Ah	24 V / 465 Ah
6.5	Battery weight (+/- 5%)		435 kg	959 lb
	Miscellaneous			
8.1	Type of drive control		AC	AC
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 70 dB	< 70 dB

## CI 20 - Dimensional drawing





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