

Technical sheet :

CI 20



	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		CI 20
1.3	Power source		Battery
1.4	Operator type		Carried
1.5	Max. capacity	Q	2000 kg
1.6	Load centre of gravity	c	600 mm
1.8	Load distance, centre of drive axle to fork	x	949 mm
1.9	Wheelbase	y	2194 mm
	Weight		
2.1	Service weight		1450 kg
2.2	Weight on front axle (laden) / rear axle (laden)		1298 kg / 2152 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		928 kg / 522 kg
	Wheels		
3.1	Tyres type		Bandage
3.5.2	Number of drive wheels		1
3.2	Dimensions of front wheels		254 x 100
3.3	Dimensions of rear wheels		85 x 90
3.4	Additional wheels (dimensions)		140 x 50
3.5	Number of front wheels / rear wheels		2 / 4
3.6	Front wheel gauge	b10	505 mm
3.7	Rear wheel gauge	b11	370 mm
	Dimensions		
4.4	Max. lifting height	h3	125 mm
4.8	Platform height	h7	130 mm
4.9	Height tiller up max.	h14	1212 mm
4.15	Fork height in low position	h13	85 mm
4.19	Overall length	l1	2602 mm
4.20	Length to face of forks	l2	1432 mm
4.21	Overall width - Single wheels	b1	800 mm
4.21	Overall width	b1	800 mm
4.22	Forks section / width / length	s / e / l	45 mm x 170 mm / 1150 mm
4.25	Fork spread	b5	540 mm
4.32	Ground clearance at centre of wheelbase	m2	40 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2851 mm
4.35	Turning radius	Wa	2400 mm
	Performances		
5.1	Travel speed (laden / unladen)		9 km/h / 12 km/h
5.2	Lifting speed (laden / unladen)		0.10 m/s / 0.15 m/s
5.3	Lowering speed (laden / unladen)		0.13 m/s / 0.10 m/s
5.7	Gradeability (laden / unladen)		6 % / 10 %
5.10	Service brake		Electro magnetic
5.11	Parking brake		Butterfly switch release
	Engine		
6.1	Drive motor rating S2 60 min		2 kW
6.2	Lift motor rating at S3 15%		2 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		Traction
6.4	Battery / Batteries capacity		24 V / 465 Ah
6.5	Battery weight (+/- 5%)		435 kg
	Miscellaneous		
8.1	Type of drive control		AC
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 70 dB(A)



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