Technical sheet:

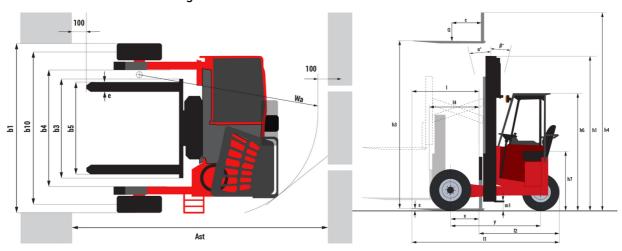
TMM 20 ST5





	Technical characteristics		Metric	
1.1	Manufacturer		MANITOU	
1.2	Model Name		TMM 20 ST5	
.2.1	Reach out equipment		Pantograph	
1.3	Power source		Diesel	
1.4	Operator type		Seated	
1.5	Max. capacity	Q	2000 kg	
1.6	Load center of gravity	С	500 mm	
1.8	Load distance, centre of drive axle to fork	х	490 mm	
1.9	Wheelbase	у	1598 mm	
	Weight			
2.1	Service weight		2290 kg	
2.2	Weight on front axle (laden) / rear axle (laden)		3050 kg / 1240 kg	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1050 kg / 1240 kg	
	Wheels			
3.1	Tires type		Pneumatic	
3.2	Dimensions of front wheels		27x10-12 IC30	
3.3	Dimensions of rear wheels		27x10-12 IC30	
3.5	Number of front wheels / rear wheels		2/1	
.5.2	Drive wheels (front / rear)		2/1	
3.6	Front wheel gauge	b10	2151 mm	
0.0	Dimensions		2101	
4.4	Max. lifting height	h3	4200 mm	
4.7	Height of overhead guard (cabin)	h6	2120 mm	
4.8	Seat height/stand height	h7	1070 mm	
1.19	Overall length	I1	2650 mm	
1.21	Overall width	b1	2406 mm	
1.22	Forks section / width / length	s / e / l	40 mm x 122 mm x 1200 mm	
1.23	Fork carriage ISO 2328 (class/form) A/B	37671	2A	
4.24	Fork carriage width	b3	1260 mm	
4.26	Distance between support arms	b5	1165 mm	
4.26	Distance between wheel arms/loading surfaces	b4	1600 mm	
1.28	Maximum horizontal extension at COG 600	14	1000 mm	
1.32	Ground clearance at centre of wheelbase	m2	272 mm	
1.34		Ast	3363 mm	
1.35	Aisle width for 800 x 1200 pallet lengthways	Wa	2463 mm	
1.33	Tuming radius Performances	Wa	2403 111111	
5.1			9.40 km/h - 9.50 km/h	
5.2	Travel speed (laden / unladen)		0.26 m/s / 0.24 m/s	
5.3	Lifting speed (laden / unladen) Lowering speed (laden / unladen)		0.28 m/s / 0.24 m/s	
5.7	- , , ,		56 % / 51 %	
	Gradeability (laden / unladen)			
5.9 5.10	Acceleration time (laden / unladen) Service brake		4.10 s / 2.60 s	
			Hydraulic brakes by loss of pressure	
5.11	Transmission type		Hydrostatic	
7.1	Engine		Wilhorto Otomo V	
7.1	Engine brand / norm		Kubota - Stage V	
7.2	I.C. Engine power rating		18.50 kW	
7.3	Rated speed		3000 rpm	
7.4	Number of cylinders / Capacity of cylinders		3 - 1123 cm³	
	Miscellaneous			
8.1	Type of drive control		Cable	
8.2	Working hydraulic pressure for attachments		190 bar	
8.3	Oil flow rate for attachments Sound level at the driver's ear according to DIN 12 053		43 I/min 84 dB	

TMM 20 ST5 - Dimensional drawing



Characteristics of masts and residual capacities

		Full Visibility Duplex (FVD)		FVD 30	FVD 36	FVD 42
		h1 - Mast lowered height	mm	2352	2702	3090
		h3 - Mast lifting height	mm	3000	3600	4200
		h4 - Mast extended height	mm	4455	5055	5695
Residual Capacity (Maximum Height & LC = 600 mm)	Simple Reach	Pantograph reach in	kg	2000	2000	2500
		Pantograph reach out with stabilizers	kg	1750	1750	
		Pantograph reach out without stabilizers	kg	1050	1050	
		Telescopic forks reach in	kg	2000	2000	
		Telescopic Forks reach out with stabilizers	kg	1300	1300	
		Telescopic Forks reach out without stabilizers	kg	1100	1100	
	Double Reach	Pantograph & TF reach in	kg	2000	2000	
		Pantograph & TF reach out with stabilizers	kg	1100	1100	
		Pantograph & TF reach out without stabilizers	kg	550	550	





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