Technical sheet :

TMM 20 ST5





	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.2.1	Reach out equipment	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	
1.6	Load center of gravity	
1.8	Load distance, centre of drive axle to fork	
1.9	Wheelbase	
	Weight	
	Standard mast reference of the machine	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.2	Weight on front axle (Unladen) / rear axle (Unladen) Weight on front axle (Unladen) / rear axle (Unladen)	
2.3	Wheels	
0.1		
3.1	Tires type	
3.2	Dimensions of front wheels	
3.3	Dimensions of rear wheels	
3.5	Number of front wheels / rear wheels	
3.5.2	Drive wheels (front / rear)	
3.6	Front wheel gauge	_
	Dimensions	
4.4	Max. lifting height	
4.7	Height of overhead guard (cabin)	
4.8	Seat height/stand height	
4.19	Overall length	
4.21	Overall width	
4.22	Forks section / width / length	
4.23	Fork carriage ISO 2328 (class/form) A/B	
4.24	Fork carriage width	
4.26	Distance between support arms	
4.26	Distance between wheel arms/loading surfaces	
4.28	Maximum outreach	
4.32	Ground clearance at centre of wheelbase	
4.34	Aisle width for 800 x 1200 pallet lengthways	
4.35	Turning radius	
	Performances	
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.7	Gradeability (laden / unladen)	
5.9	Acceleration time (laden / unladen)	
5.10	Service brake	
	Transmission type	
	Engine	
7.1	Engine brand / norm / model	
7.2	I.C. Engine power rating	
7.3	Rated speed	
7.4	Number of cylinders / Capacity of cylinders	
7. T	Miscellaneous	
8.1		
	Type of drive control Working hydraulic pressure for attachments	
8.2		
8.3 8.4	Oil flow rate for attachments Sound level at the driver's ear according to DIN 12 053	

TMM 20 ST5 Created on July 17, 2025 at 12:24 AM UTC Metric MANITOU

	Metric				
	MANITOU				
	TMM 20 ST5				
	Pantograph				
	Diesel				
	Seated				
Q	2000 kg				
С	500 mm				
х	490 mm				
у	1598 mm				
	FVD 30				
	2290 kg				
	3050 kg / 1240 kg				
	1050 kg / 1240 kg				
	Pneumatic				
	27x10-12 IC30				
	27x10-12 IC30				
	2/1				
140	2 / 1				
b10	2151 mm				
1.0	1000				
h3	4200 mm				
h6 h7	2120 mm 1070 mm				
11	2650 mm				
b1	2406 mm				
s/e/l	40 mm x 122 mm x 1200 mm				
57071	2A				
b3	1260 mm				
b5	1165 mm				
b4	1600 mm				
	1000 mm				
m2	272 mm				
Ast	3363 mm				
Wa	2463 mm				
	9.40 km/h - 9.50 km/h				
	0.26 m/s / 0.24 m/s				
	0.38 m/s / 0.24 m/s				
	56 % / 51 %				
	4.10 s / 2.60 s				
	Hydraulic brakes by loss of pressure				
	Hydrostatic				
	Kubota - Stago V / D1105 E4D MNT3				
	Kubota - Stage V / D1105-E4B-MNT-2 18.50 kW				
	3000 rpm				
	3 - 1123 cm ³				
	5 1123 UIII				
	Cable				
	190 bar				
	43 l/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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