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	
1.4	Max. capacity	
1.6	Load center of gravity	
1.0	Load denter of gravity Load distance, centre of drive axle to fork	
1.0	Wheelbase	
1.9		
	Weight	
0.1	Standard mast reference of the machine	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	
	Wheels	
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	
	Miscellaneous	
8.1	Type of drive control	
8.2	Working hydraulic pressure for attachments	
8.3	Oil flow rate for attachments	
0.0		

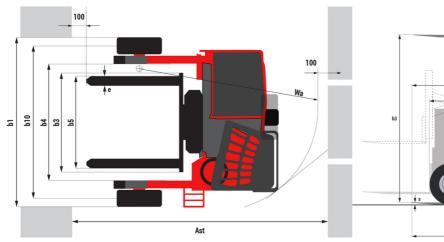
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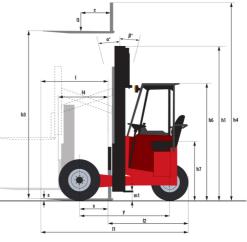
	Metric					
	MANITOU					
	TMM 20 ST5					
	Pantograph					
	Diesel					
	Seated					
Q	2000 kg					
С	500 mm					
x	490 mm					
у	1598 mm					
	FVD 30					
	2290 kg					
	3050 kg / 1240 kg					
	1050 kg / 1240 kg					
	Pneumatic					
	27x10-12 IC30					
	27x10-12 IC30					
	2 / 1					
	2 / 1					
b10	2151 mm					
h3	4200 mm					
h6	2120 mm					
h7	1070 mm					
11	2650 mm					
b1	2406 mm					
s / e / l	40 mm x 122 mm x 1200 mm					
	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 - Stage V / D1105-E4B-MNT-2					
	18.50 kW					
	3000 rpm					
	3 - 1123 cm³					
	Cable					
	190 bar					
	43 l/min					
	84 dB					

TMM 20 ST5 - Dimensional drawing

Sound level at the driver's ear according to DIN 12 053

8.4





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	



Head Office B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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