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	c	500 mm	
1.8	Load distance, centre of drive axle to fork	x	490 mm	
1.9	Wheelbase	v	1598 mm	
	Weight	y	1390 mm	
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 (Inladen) / rear axle (Inladen)		1050 kg / 1240 kg	
	Wheels		1050 kg / 1240 kg	
8.1	Tires type		Pneumatic	
3.1 3.2	Dimensions of front wheels		27x10-12 IC30	
3.2 3.3	Dimensions of rear wheels			
8.5	Number of front wheels / rear wheels		27x10-12 IC30	
.5.2			2 / 1	
3.6	Drive wheels (front / rear)	b10	2 / 1 2151 mm	
5.0	Front wheel gauge Dimensions	BIO	2131 11111	
4 7		hć	2120 mm	
4.7	Height of overhead guard (cabin)	h6 h7	1070 mm	
4.8 .19	Seat height/stand height	11/ 11	2650 mm	
	Overall length			
.21	Overall width	b1	2406 mm	
	Forks section / width / length	s / e / l	40 mm x 122 mm x 1200 mm	
.23	Fork carriage ISO 2328 (class/form) A/B	10	2A	
.24	Fork carriage width	b3	1260 mm	
.25	Distance between support arms	b4	1165 mm	
.26	Distance between wheel arms/loading surfaces	b4	1600 mm	
.28	Maximum horizontal extension at COG 600	14	1000 mm	
.32	Ground clearance at centre of wheelbase	m2	272 mm	
.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3363 mm	
4.35	Turning radius	Wa	2463 mm	
	Performances		0.40 km/h = 0.50 k = "	
5.1	Travel speed (laden / unladen)		9.40 km/h - 9.50 km/h	
5.2	Lifting speed (laden / unladen)		0.26 m/s / 0.24 m/s	
5.5	Nominal pulling force (laden)		2200	
5.3	Lowering speed (laden / unladen)		0.38 m/s / 0.24 m/s	
5.7	Gradeability (laden / unladen)		56 % / 51 %	
5.10	Service brake		Hydraulic brakes by loss of pressure	
5.9	Acceleration time (laden / unladen)		4.10 s / 2.60 s	
5.11	Transmission type		Hydrostatic	
	Engine			
7.1	Engine brand / norm		Kubota - Stage V	
.2	Engine power according to ISO 1585		18.50 kW	
7.3	Rated speed		3000 rpm	
′.4	Number of cylinders / Capacity of cylinders		3 - 1123 cm³	
	Miscellaneous			
1	Type of drive control		Cable	

MANITOU TMM 20 ST5 Pantograph Diesel Seated 2000 kg 500 mm 490 mm 1598 mm 2290 kg 3050 kg / 1240 kg 1050 kg / 1240 kg Pneumatic 27x10-12 IC30 27x10-12 IC30 2 / 1 2/1 2151 mm 2120 mm 1070 mm 2650 mm 2406 mm e / 1 40 mm x 122 mm x 1200 mm 2A 1 1260 mm 1165 mm 1600 mm 1000 mm 2 272 mm 3363 mm 2463 mm 9.40 km/h - 9.50 km/h 0.26 m/s / 0.24 m/s 2200 0.38 m/s / 0.24 m/s 56 % / 51 % Hydraulic brakes by loss of pressure 4.10 s / 2.60 s Hydrostatic Kubota - Stage V 18.50 kW 3000 rpm 3 - 1123 cm³

Cable 190 bar

43 l/min

84 dB

TMM 20 ST5 - Dimensional drawing

Oil flow rate for attachments

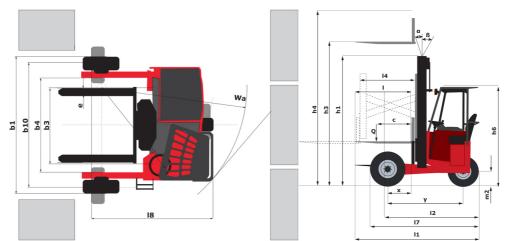
Working hydraulic pressure for attachments

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

82

8.3

8.4



Characteristics of masts and residual capacities

		Full Visibility Duplex (FVD)		FVD 30	FVD 36
		h1 - Mast lowered height	mm	2352	2702
		h3 - Mast lifting height	mm	3000	3600
		h4 - Mast extended height	mm	4455	5055
۶ II	Simple Reach	Pantograph reach in	kg	2000	2000
leigi		Pantograph reach out with stabilizers	kg	1750	1750
Ē		Pantograph reach out without stabilizers	kg	1050	1050
Ĩ Î		Telescopic forks reach in	kg	2000	2000
		Telescopic Forks reach out with stabilizers	kg	1300	1300
LC = 600 mm)		Telescopic Forks reach out without stabilizers	kg	1100	1100
5	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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