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 cm<sup>3</sup>

Cable 190 bar

43 l/min

84 dB

## TMM 20 ST5 - Dimensional drawing

Oil flow rate for attachments

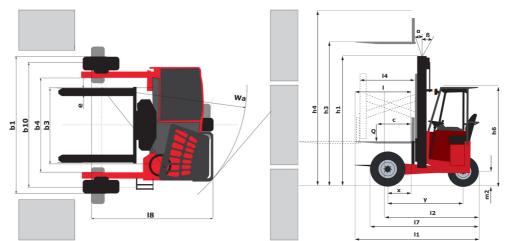
Working hydraulic pressure for attachments

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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