Technical sheet :

TMM 20 ST5





Technical characteristics		Metric	
Manufacturer		MANITOU	
Model Name		TMM 20 ST5	
Reach out equipment		Pantograph	
Power source		Diesel	
		Seated	
Operator type		2000 kg	
Max. capacity	Q	3	
Load center of gravity		c 500 mm	
Load distance, centre of drive axle to fork		x 490 mm	
Wheelbase	у	1598 mm	
Weight			
Service weight		2290 kg	
Weight on front axle (laden) / rear axle (laden)		3050 kg / 1240 kg	
Weight on front axle (Unladen) / rear axle (Unladen)		1050 kg / 1240 kg	
Wheels			
Tires type		Pneumatic	
Dimensions of front wheels		27x10-12 IC30	
Dimensions of rear wheels		27x10-12 IC30	
Number of front wheels / rear wheels		2 / 1	
Drive wheels (front / rear)		2 / 1	
Front wheel gauge	b10	2151 mm	
Dimensions			
Height of overhead guard (cabin)	h6	2120 mm	
Seat height/stand height	h7	1070 mm	
Overall length	1	2650 mm	
Overall width	b1	2406 mm	
Forks section / width / length	s / e / l	40 mm x 122 mm x 1200 mm	
Fork carriage ISO 2328 (class/form) A/B		2A	
Fork carriage width	b3	1260 mm	
Distance between support arms	b4	1165 mm	
Distance between wheel arms/loading surfaces	b4	1600 mm	
Maximum horizontal extension at COG 600	14	1000 mm	
Ground clearance at centre of wheelbase	m2	272 mm	
Aisle width for 800 x 1200 pallet lengthways	Ast	3363 mm	
Turning radius	Wa	2463 mm	
Performances			
Travel speed (laden / unladen)		9.40 km/h - 9.50 km/h	
Lifting speed (laden / unladen)		0.26 m/s / 0.24 m/s	
Nominal pulling force (laden)		2200	
Lowering speed (laden / unladen)		0.38 m/s / 0.24 m/s	
Gradeability (laden / unladen)		56 % / 51 %	
Service brake		Hydraulic brakes by loss of pressure	
Acceleration time (laden / unladen)		4.10 s / 2.60 s	
Transmission type		Hydrostatic	

ST5	Created on May 4, 2024 at 8:07:20 AM UTC
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	Hydraulic brakes by loss of pressure
	4.10 s / 2.60 s
	Hydrostatic
	Kubata Stage V
	Kubota - Stage V 18.50 kW
	3000 rpm
	3 - 1123 cm³
	Cable
	190 bar 42 l/min
	43 l/min
	84 dB

TMM 20 ST5 - Dimensional drawing

Engine power according to ISO 1585

Number of cylinders / Capacity of cylinders

Working hydraulic pressure for attachments

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

Rated speed

Miscellaneous

Type of drive control

Oil flow rate for attachments

7.3

7.4

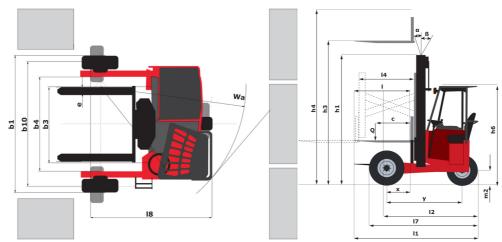
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1.1 1.2 1.2.1 1.3 1.4 1.5 1.6 1.8 1.9 2.1 2.2 2.3 3.1 3.2 3.3 3.5 3.5.2 3.6 4.7 4.8 4.19 4.21 4.22 4.23 4.24 4.25 4.26 4.28 4.32 4.34 4.35 5.1 5.2 5.5 5.3 5.7 5.10 5.9 5.11 7.1 7.2



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
Residual Capacity (Maximum Height & LC = 600 mm)	Simple Reach	Pantograph reach in	kg	2000	2000
		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
201		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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