

Technical sheet :

# **TMM 25 ST5**

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Technical characteristics		Metric	
1.1	Manufacturer		MANITOU
1.2	Model Name		TMM 25 ST5
1.2.1	Reach out equipment		Pantograph
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	2500 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	y	1598 mm
Weight			
	Standard mast reference of the machine		FVD 30
2.1	Service weight		2340 kg
2.2	Weight on front axle (laden) / rear axle (laden)		3585 kg / 1255 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1085 kg / 1255 kg
Wheels			
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		27X10-12 IC30
3.3	Dimensions of rear wheels		27X10-12 IC30
3.5	Number of front wheels / rear wheels		2 / 1
3.5.2	Drive wheels (front / rear)		2 / 1
3.6	Front wheel gauge	b10	2151 mm
Dimensions			
4.4	Max. lifting height	h3	4200 mm
4.7	Height of overhead guard (cabin)	h6	2120 mm
4.8	Seat height/stand height	h7	1070 mm
4.19	Overall length	l1	2650 mm
4.21	Overall width	b1	2406 mm
4.22	Forks section / width / length	s / e / l	40 mm x 122 mm x 1200 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	1260 mm
4.26	Distance between support arms	b5	1165 mm
4.26	Distance between wheel arms/loading surfaces	b4	1600 mm
4.28	Maximum horizontal extension at COG 600	l4	1000 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3363 mm
4.35	Turning radius	Wa	2463 mm
Performances			
5.1	Travel speed (laden / unladen)		10.60 km/h - 10.70 km/h
5.2	Lifting speed (laden / unladen)		0.26 m/s / 0.24 m/s
5.3	Lowering speed (laden / unladen)		0.38 m/s / 0.21 m/s
5.7	Gradeability (laden / unladen)		50 % / 51 %
5.9	Acceleration time (laden / unladen)		4.10 s / 2.60 s
5.10	Service brake		Hydraulic brakes by loss of pressure
	Transmission type		Hydrostatic
Engine			
7.1	Engine brand / norm / model		Kubota - Stage V / D1105-E4B-MNT2
7.2	Engine power (Hp / kW)		25 Hp / 18.50 kW
7.3	Rated speed		3000 rpm
7.4	Number of cylinders / Capacity of cylinders		3 - 1123 cm³
Miscellaneous			
8.1	Type of drive control		Cable
8.2	Working hydraulic pressure for attachments		190 bar
8.3	Oil flow rate for attachments		43 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		84 dB

### TMM 25 ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Residual Capacity (Maximum Height & LC = 600 mm)		Full Visibility Duplex (FVD)		FVD 30	FVD 36	FVD 42	
Simple Reach	h1 - Mast lowered height	mm		2392	2742	3090	
	h3 - Mast lifting height	mm		3000	3600	4200	
	h4 - Mast extended height	mm		4495	5095	5695	
	Pantograph reach in	kg		2500	2500	2500	
	Pantograph reach out with stabilizers	kg		2000	1950		
	Pantograph reach out without stabilizers	kg		1050	1000		
	Telescopic forks reach in	kg		2500	2500		
	Telescopic Forks reach out with stabilizers	kg		1350	1300		
	Telescopic Forks reach out without stabilizers	kg		1150	1100		
	Double Reach	Pantograph & TF reach in	kg		2500	2500	
		Pantograph & TF reach out with stabilizers	kg		1100	1100	
		Pantograph & TF reach out without stabilizers	kg		550	550	



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