

Technical sheet :

# **TMT 27P ST5**

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	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		TMT 27P ST5
1.2.1	Reach out equipment		Telescopic boom
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	2700 kg
1.6	Load centre of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	-505 mm
1.9	Wheelbase	y	1921 mm
	<b>Weight</b>		
2.1	Service weight		2720 kg
2.2	Weight on front axle (laden) / rear axle (laden)		4090 kg / 1330 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		920 kg / 1800 kg
	<b>Wheels</b>		
3.1	Tyres type		Pneumatic
3.2	Dimensions of front wheels		280/60-15,5
3.3	Dimensions of rear wheels		280/60-15,5
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	2070 mm
	<b>Dimensions</b>		
4.2	Height telescopic boom lowered	h1	2268 mm
4.4	Max. lifting height	h3	3380 mm
4.3	Free lift	h2	1700 mm
4.5	Height telescopic boom extended	h4	3925 mm
4.7	Height of overhead guard (cabin)	h6	2200 mm
4.8	Seat height/stand height	h7	1220 mm
4.19	Overall length	l1	3590 mm
4.21	Overall width	b1	2346 mm
4.22	Forks section / width / length	s / e / l	45 mm x 125 mm / 2000 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM 2A
4.24	Fork carriage width	b3	1270 mm
4.26	Distance between wheel arms/loading surfaces	b4	1519 mm
4.28	Maximum horizontal extension at COG 600	l4	2100 mm
4.32	Ground clearance at centre of wheelbase	m2	278 mm
4.37	Overall length (without forks)	l7	1590 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	4640 mm
4.35	Turning radius	Wa	3215 mm
4.36	Internal turning radius (over tyres)	b13	387 mm
	<b>Performances</b>		
5.1	Travel speed (laden / unladen)		11 km/h / 11 km/h
5.2	Lifting speed (laden / unladen)		0.24 m/s / 0.25 m/s
5.3	Lowering speed (laden / unladen)		0.29 m/s / 0.31 m/s
5.10	Service brake		Hydraulic brakes by loss of pressure
5.9	Acceleration time (laden / unladen)		4.90 s / 3.80 s
	<b>Engine</b>		
7.1	Engine brand / nom		Kubota - Stage V
7.2	Engine power according to ISO 1585		37 kW
7.3	Rated speed		2700 rpm
7.4	Number of cylinders / Capacity of cylinders		3 - 1826 cm <sup>3</sup>
8.1	Type of drive control		Mechanical
7.5	Fuel consumption according to VDI cycle		5.60 l/h
	<b>Miscellaneous</b>		
8.2	Working hydraulic pressure for attachments		270 bar
8.3	Oil flow rate for attachments		50 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		104 dB(A)
8.4	Sound level at the driver's ear according to DIN 12 053		83 dB(A)





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