

Technical sheet :

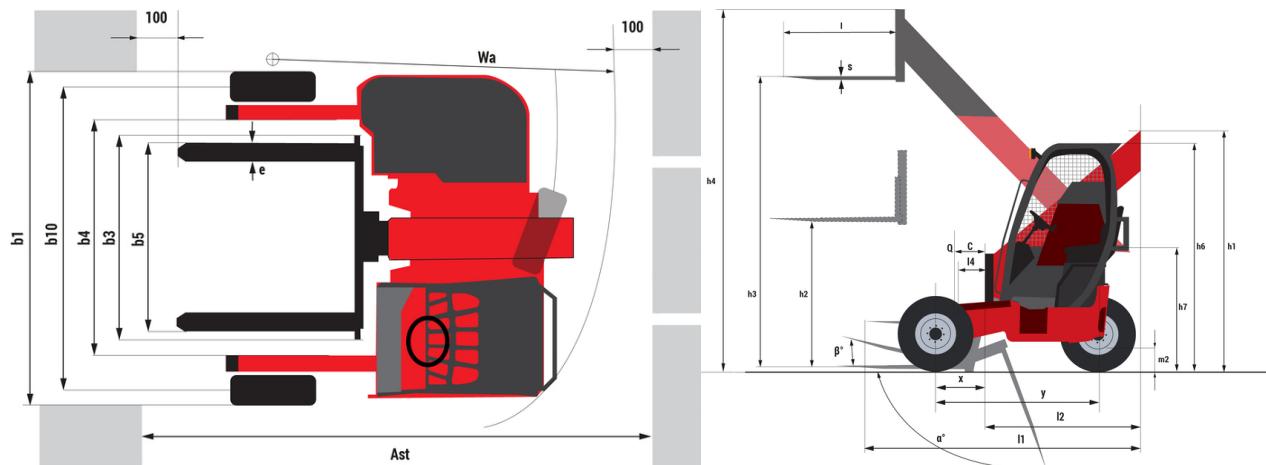
TMT 27S Y ST5



 **MANITOU**
HANDLING YOUR WORLD

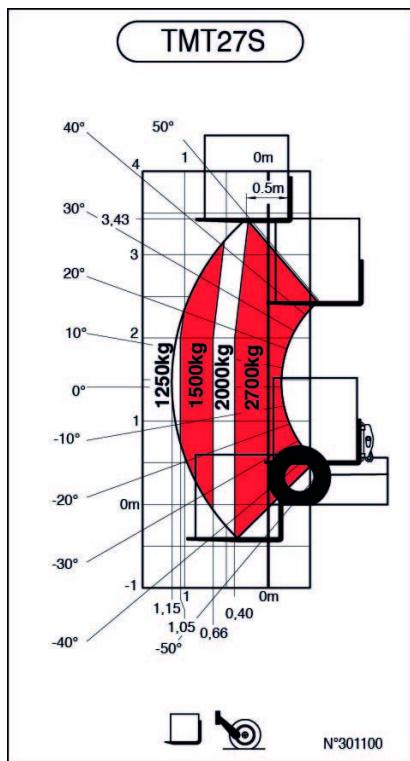
Technical characteristics		Metric	
1.1	Manufacturer	MANITOU	
1.2	Model Name	TMT 27S Y ST5	
1.2.1	Reach out equipment	Telescopic boom	
1.3	Power source	Diesel	
1.4	Operator type	Seated	
1.5	Max. capacity	2700 kg	
1.6	Load center of gravity	500 mm	
1.8	Load distance, centre of drive axle to fork	-775 mm	
1.9	Wheelbase	1921 mm	
2.1	Weight		
	Service weight	2720 kg	
	Wheels		
3.1	Tires type	Pneumatic	
3.2	Dimensions of front wheels	10x16,5	
3.3	Dimensions of rear wheels	10x16,5	
3.5	Number of front wheels / rear wheels	2 / 1	
3.5.2	Drive wheels (front / rear)	2 / 1	
3.6	Front wheel gauge	2072 mm	
	Dimensions		
4.1	Mast/fork carriage tilt, forward	a	100 °
4.1.1	Mast/fork carriage tilt, backward	β	12 °
4.2	Height telescopic boom lowered	h1	2240 mm
4.3	Mast free lift	h2	1440 mm
4.4	Max. lifting height	h3	3380 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	2790 mm
4.20	Length to face of forks	l2	1590 mm
4.21	Overall width	b1	2350 mm
4.22	Forks section / width / length	s / e / l	40 mm x 125 mm x 1200 mm
4.23	Fork carriage ISO 2328 (class/form) A/B	b3	FEM 2A
4.24	Fork carriage width	b5	1270 mm
4.26	Distance between support arms	b4	1267 mm
4.26	Distance between wheel arms/loading surfaces	b4	1519 mm
4.28	Maximum horizontal extension at COG 600	l4	1310 mm
4.32	Ground clearance at centre of wheelbase	m2	290 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	3840 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3840 mm
4.35	Turning radius	Wa	3215 mm
	Performances		
5.1	Travel speed (laden / unladen)		11.80 km/h - 11.50 km/h
5.2	Lifting speed (laden / unladen)		0.25 m/s / 0.27 m/s
5.3	Lowering speed (laden / unladen)		0.29 m/s / 0.32 m/s
5.9	Acceleration time (laden / unladen)		4 s / 3.50 s
5.10	Service brake		Hydraulic brakes by loss of pressure
	Engine		
7.1	Engine brand / nom / model		Yanmar - Stage V / 3TNV 86 CT
7.2	Engine power (Hp / kW)		42 Hp / 31 kW
7.3	Rated speed		2800 rpm
7.4	Number of cylinders / Capacity of cylinders		3 - 1568 cm³
	Miscellaneous		
8.1	Type of drive control		Mechanical
8.2	Working hydraulic pressure for attachments		270 bar
8.3	Oil flow rate for attachments		44 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		104 dB

TMT 27S Y ST5 - Dimensional drawing

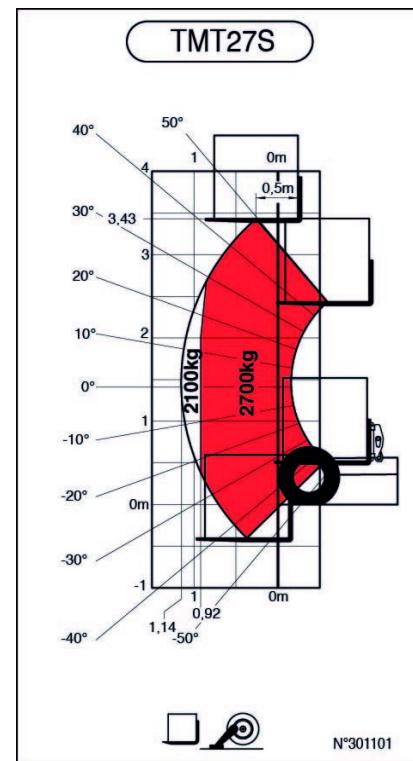


TMT 27S Y ST5 - Load chart

Machine on tires with forks Metric



Machine on lowered stabilisers with forks Metric





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