

Technical sheet :

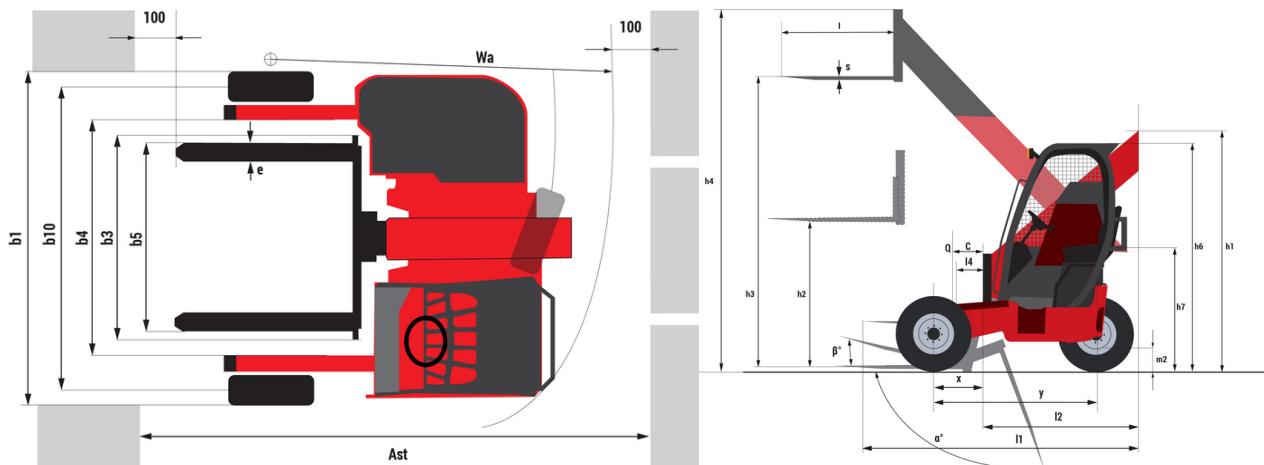
TMT 27P Y ST5



 **MANITOU**
HANDLING YOUR WORLD

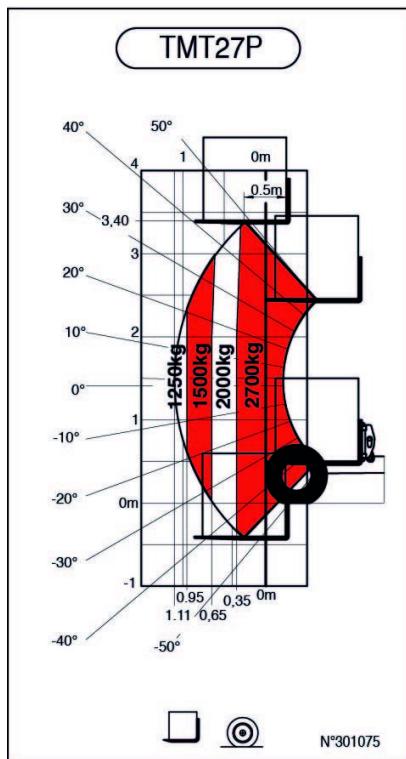
Technical characteristics		Metric	
1.1	Manufacturer	MANITOU	
1.2	Model Name	TMT 27P Y ST5	
1.2.1	Reach out equipment	Telescopic boom	
1.3	Power source	Diesel	
1.4	Operator type	Seated	
1.5	Max. capacity	2700 kg	
1.6	Load center of gravity	500 mm	
1.8	Load distance, centre of drive axle to fork	-775 mm	
1.9	Wheelbase	1921 mm	
2.1	Weight		
	Service weight	2720 kg	
	Wheels		
3.1	Tires type	Pneumatic	
3.2	Dimensions of front wheels	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	2070 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	2219 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	3590 mm
4.20	Length to face of forks	l2	1519 mm
4.21	Overall width	b1	2350 mm
4.22	Forks section / width / length	s / e / l	45 mm x 125 mm x 2000 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	278 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	4640 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	4640 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 27P Y ST5 - Dimensional drawing

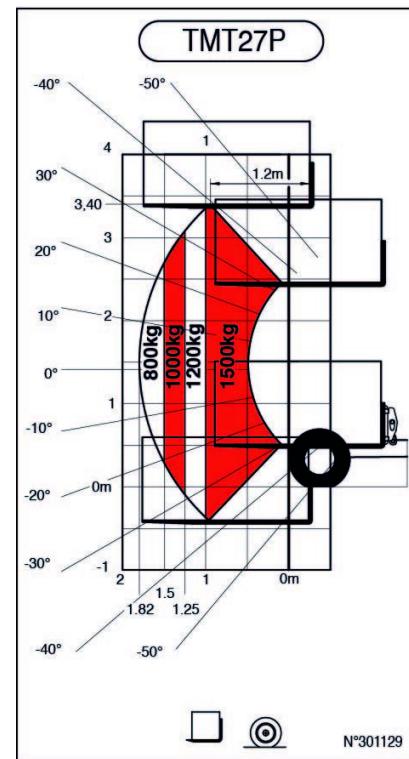


TMT 27P Y ST5 - Load chart

Machine on tires with forks Metric



Machine on tires with forks LC 1200 mm Metric





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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