

Technical sheet :

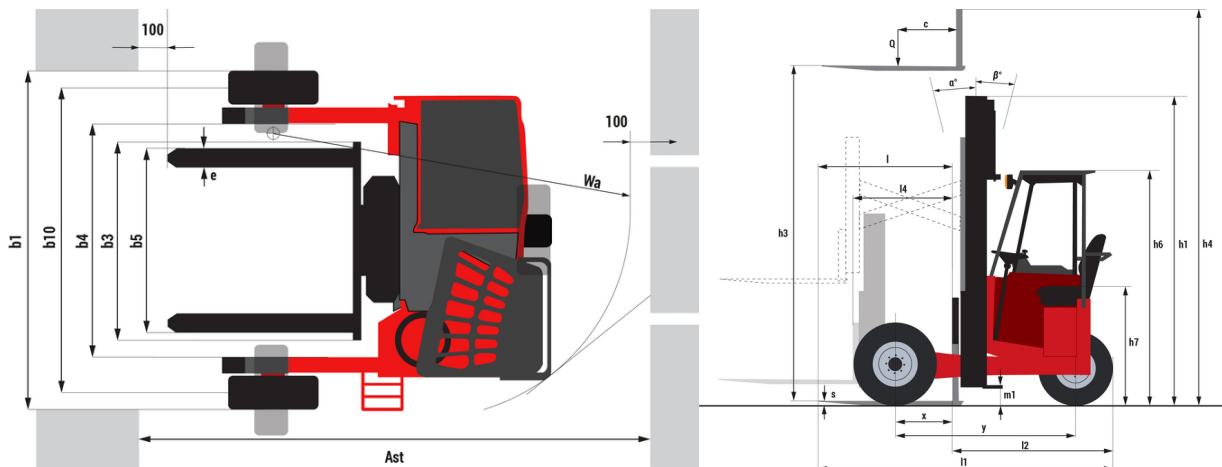
# **TMM 20 4W ST5**



 **MANITOU**  
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Technical characteristics		Metric	
1.1	Manufacturer	MANITOU	
1.2	Model Name	TMM 20 4W ST5	
1.2.1	Reach out equipment	Pantograph	
1.3	Power source	Diesel	
1.4	Operator type	Seated	
1.5	Max. capacity	2000 kg	
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	500 mm
1.9	Wheelbase	y	1598 mm
<b>Weight</b>		FVD 30	
2.1	Standard mast reference of the machine		2450 kg
2.2	Service weight		3180 kg / 1270 kg
2.3	Weight on front axle (laden) / rear axle (laden)		1180 kg / 1270 kg
<b>Wheels</b>		Pneumatic	
3.1	Tires type		27X10-12 IC30
3.2	Dimensions of front wheels		27X10-12 IC30
3.3	Dimensions of rear wheels		2 / 1
3.5	Number of front wheels / rear wheels		2 / 1
3.5.2	Drive wheels (front / rear)		2143 mm
3.6	Front wheel gauge	b10	
<b>Dimensions</b>		4200 mm	
4.4	Max. lifting height	h3	2120 mm
4.7	Height of overhead guard (cabin)	h6	1070 mm
4.8	Seat height/stand height	h7	2638 mm
4.19	Overall length	l1	2398 mm
4.21	Overall width	b1	40 mm x 122 mm x 1200 mm
4.22	Forks section / width / length	s / e / l	2A
4.23	Fork carriage ISO 2328 (class/form) A/B		1260 m
4.24	Fork carriage width	b3	1165 mm
4.26	Distance between support arms	b5	1492 mm
4.26	Distance between wheel arms/loading surfaces	b4	1000 mm
4.28	Maximum horizontal extension at COG 600	l4	3363 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2463 mm
4.35	Turning radius	Wa	
<b>Performances</b>		9.40 km/h - 9.50 km/h	
5.1	Travel speed (laden / unladen)		0.26 m/s / 0.24 m/s
5.2	Lifting speed (laden / unladen)		0.38 m/s / 0.24 m/s
5.3	Lowering speed (laden / unladen)		47 % / 48 %
5.7	Gradeability (laden / unladen)		4.10 s / 2.60 s
5.9	Acceleration time (laden / unladen)		Hydraulic brakes by loss of pressure
5.10	Service brake		Hydrostatic
<b>Transmission type</b>		Kubota - Stage V / D1105-E4B-MNT-2	
<b>Engine</b>		25 Hp / 18.50 kW	
7.1	Engine brand / norm / model		3000 rpm
7.2	Engine power (Hp / kW)		3 - 1123 cm <sup>3</sup>
7.3	Rated speed		
7.4	Number of cylinders / Capacity of cylinders		
<b>Miscellaneous</b>		Cable	
8.1	Type of drive control		190 bar
8.2	Working hydraulic pressure for attachments		43 l/min
8.3	Oil flow rate for attachments		
8.4	Sound level at the driver's ear according to DIN 12 053		84 dB

## TMM 20 4W ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 36	FVD 42
Residual Capacity (Maximum Height & LC = 500 mm)		h1 - Mast lowered height mm	2352	2702
	Simple Reach	h3 - Mast lifting height mm	3000	3600
	Simple Reach	h4 - Mast extended height mm	4455	5055
	Double Reach	Pantograph reach in kg	2000	2000
	Double Reach	Pantograph reach out with stabilizers kg	1750	1750
	Double Reach	Pantograph reach out without stabilizers kg	1100	1050
	Double Reach	Telescopic forks reach in kg	2000	2000
	Double Reach	Telescopic Forks reach out with stabilizers kg	1300	1300
	Double Reach	Telescopic Forks reach out without stabilizers kg	1150	1100
	Double Reach	Pantograph & TF reach in kg	2000	2000
	Double Reach	Pantograph & TF reach out with stabilizers kg	1100	1100
	Double Reach	Pantograph & TF reach out without stabilizers kg	550	550



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