

Technical sheet :

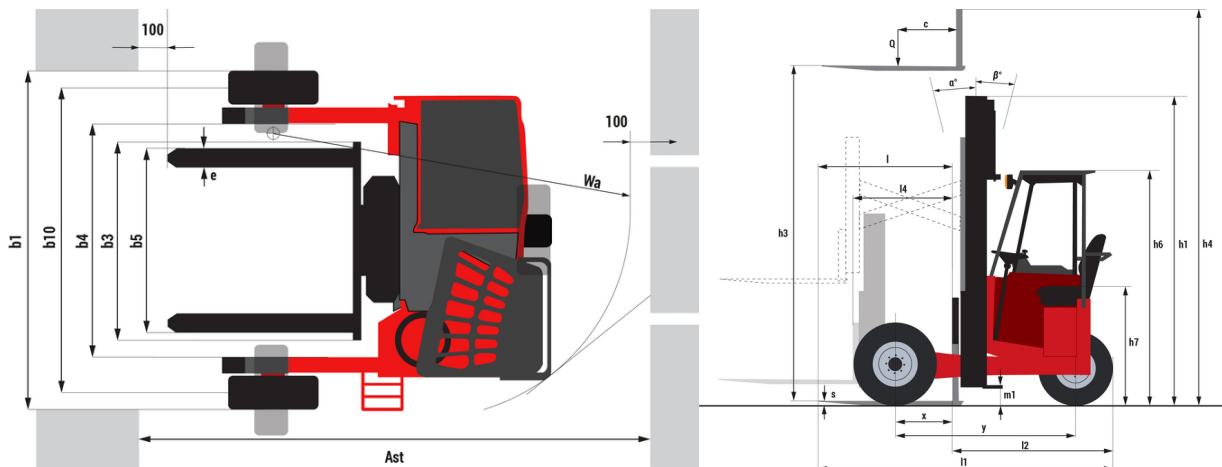
# **TMM 25 4W ST5**



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Technical characteristics		Metric	
1.1	Manufacturer	MANITOU	
1.2	Model Name	TMM 25 4W ST5	
1.2.1	Reach out equipment	Pantograph	
1.3	Power source	Diesel	
1.4	Operator type	Seated	
1.5	Max. capacity	2500 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		2500 kg
2.2	Service weight		
2.3	Weight on front axle (laden) / rear axle (laden)		3715 kg / 1285 kg
	Weight on front axle (Unladen) / rear axle (Unladen)		1215 kg / 1285 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		
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	2143 mm
<b>Dimensions</b>		h3	
4.4	Max. lifting height		4200 mm
4.7	Height of overhead guard (cabin)		2120 mm
4.8	Seat height/stand height		1070 mm
4.19	Overall length		2638 mm
4.21	Overall width		2398 mm
4.22	Forks section / width / length		40 mm x 122 mm x 1200 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width		1260 mm
4.26	Distance between support arms		1165 mm
4.26	Distance between wheel arms/loading surfaces		1492 mm
4.28	Maximum horizontal extension at COG 600		1000 mm
4.34	Aisle width for 800 x 1200 pallet lengthways		3363 mm
4.35	Turning radius		2463 mm
<b>Performances</b>		h6	
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 / 0.24 m/s
5.7	Gradeability (laden / unladen)		47 % / 48 %
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
<b>Engine</b>		h7	
7.1	Engine brand / norm / model		Kubota - Stage V / D1105-E4B-MNT-2
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 cm <sup>3</sup>
<b>Miscellaneous</b>		s	
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 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	2392	2742
	Simple Reach	h3 - Mast lifting height mm	3000	3600
	Simple Reach	h4 - Mast extended height mm	4495	5095
	Double Reach	Pantograph reach in kg	2500	2500
	Double Reach	Pantograph reach out with stabilizers kg	2050	2050
	Double Reach	Pantograph reach out without stabilizers kg	1150	1100
	Double Reach	Telescopic forks reach in kg	2500	2500
	Double Reach	Telescopic Forks reach out with stabilizers kg	1350	1300
	Double Reach	Telescopic Forks reach out without stabilizers kg	1200	1150
	Double Reach	Pantograph & TF reach in kg	2500	2500
	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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