

Technical sheet :

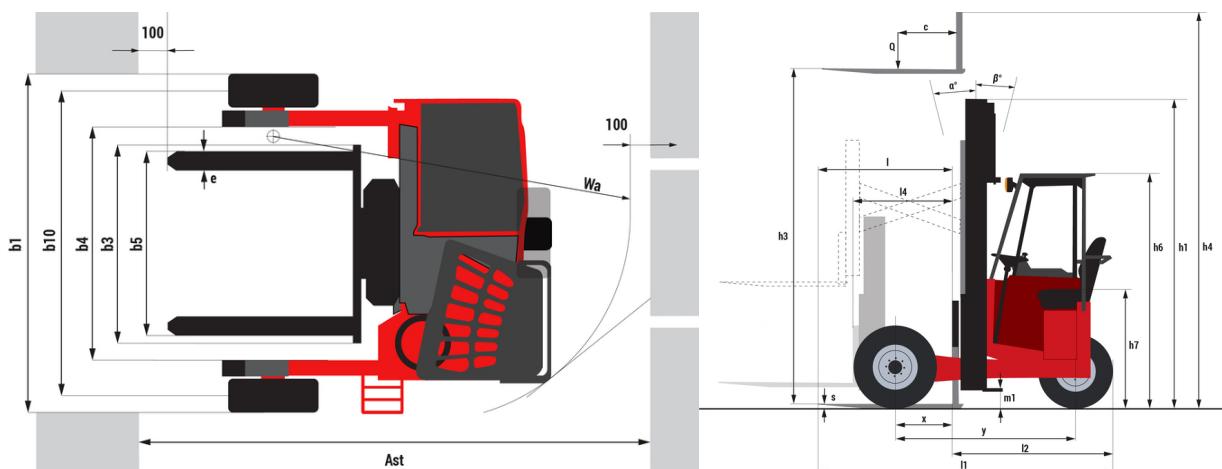
# **TMM 45 K ST5**



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Technical characteristics		Metric	
1.1	Manufacturer	MANITOU	
1.2	Model Name	TMM 45 K 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	490 mm
1.9	Wheelbase	y	1598 mm
<b>Weight</b>		FVD 30	
2.1	Standard mast reference of the machine		2290 kg
2.2	Service weight		
2.3	Weight on front axle (laden) / rear axle (laden)		3050 kg / 1240 kg
	Weight on front axle (Unladen) / rear axle (Unladen)		1050 kg / 1240 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	2151 mm
<b>Dimensions</b>		h3	
4.4	Max. lifting height		3000 mm
4.5	Height telescopic boom extended	h4	5055 mm
4.7	Height of overhead guard (cabin)	h6	2120 mm
4.8	Seat height/stand height	h7	1030 mm
4.19	Overall length	l1	2650 mm
4.21	Overall width	b1	2406 mm
4.22	Forks section / width / length	s / e / l	40 mm x 122 mm x 1200 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	1260 mm
4.26	Distance between support arms	b5	1165 mm
4.26	Distance between wheel arms/loading surfaces	b4	1600 mm
4.28	Maximum horizontal extension at COG 600	l4	1000 mm
4.32	Ground clearance at centre of wheelbase	m2	272 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3363 mm
4.35	Turning radius	Wa	2463 mm
<b>Performances</b>		10.60 km/h - 10.70 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)		50 % / 51 %
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-MNT2	
<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		84 dB
8.4	Sound level at the driver's ear according to DIN 12 053		

## TMM 45 K ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30		FVD 36	
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	1050	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	1100	1150
	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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