

Technical sheet :

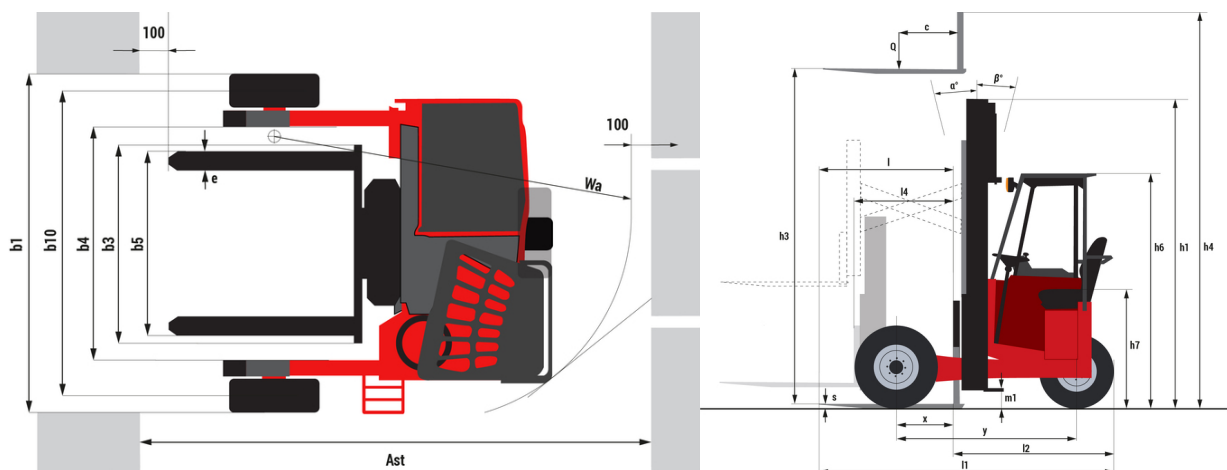
TMM 45 K ST5



 **MANITOU**
HANDLING YOUR WORLD

	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	Q	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
	Weight		
	Standard mast reference of the machine		FVD 30
2.1	Service weight		2290 kg
2.2	Weight on front axle (laden) / rear axle (laden)		3050 kg / 1240 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1050 kg / 1240 kg
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		27x10-12 IC30
3.3	Dimensions of rear wheels		27x10-12 IC30
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
	Dimensions		
4.4	Max. lifting height	h3	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 outreach		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
	Performances		
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)		50 % / 51 %
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
	Engine		
7.1	Engine brand / norm / model		Kubota - Stage V / D1105-E4B-MNT-2
7.2	I.C. Engine power rating		18.50 kW
7.3	Rated speed		3000 rpm
7.4	Number of cylinders / Capacity of cylinders		3 - 1123 cm³
	Miscellaneous		
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 45 K ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Residual Capacity (Maximum Height & LC = 600 mm)	Full Visibility Duplex (FVD)		FVD 30		FVD 36	
	Simple Reach	h1 - Mast lowered height	mm	2352		2702
		h3 - Mast lifting height	mm	3000		3600
		h4 - Mast extended height	mm	4455		5055
		Pantograph reach in	kg	2000		2000
		Pantograph reach out with stabilizers	kg	1750		1750
		Pantograph reach out without stabilizers	kg	1050		1050
		Telescopic forks reach in	kg	2000		2000
	Double Reach	Telescopic Forks reach out with stabilizers	kg	1300		1300
		Telescopic Forks reach out without stabilizers	kg	1100		1150
		Pantograph & TF reach in	kg	2000		2000
		Pantograph & TF reach out with stabilizers	kg	1100		1100
		Pantograph & TF reach out without stabilizers	kg	550		550



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