

Technical sheet :

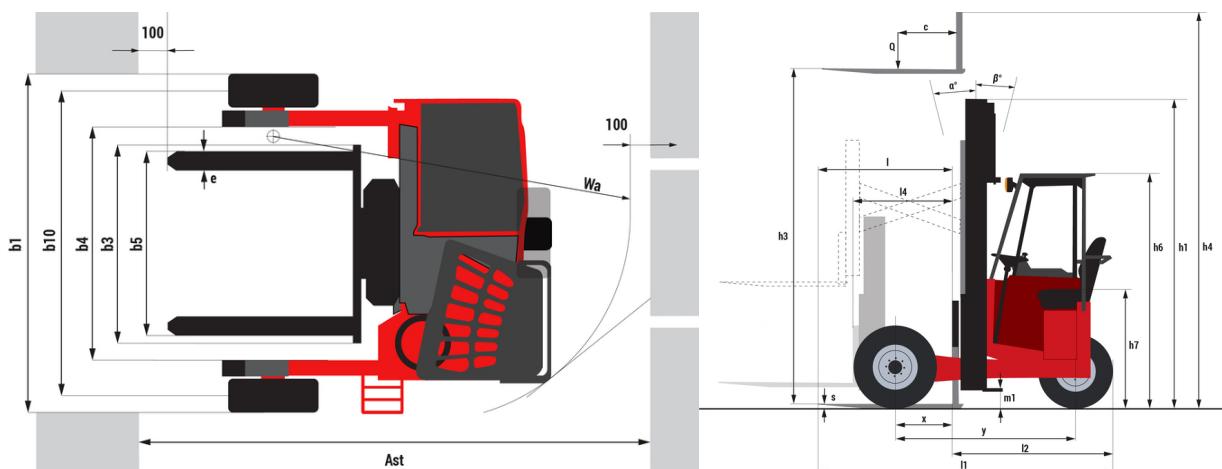
TMM 45 K ST5



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Technical characteristics		Imperial	
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	4409 lb	
1.6	Load center of gravity	c	
1.8	Load distance, centre of drive axle to fork	x	
1.9	Wheelbase	y	
Weight		FVD 30	
2.1	Standard mast reference of the machine	5049 lb	
2.2	Service weight	6724 lb / 2734 lb	
2.3	Weight on front axle (laden) / rear axle (laden)	2315 lb / 2734 lb	
Wheels		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	85 in	
Dimensions		b10	
4.4	Max. lifting height	h3	118 in
4.5	Height telescopic boom extended	h4	199 in
4.7	Height of overhead guard (cabin)	h6	83 in
4.8	Seat height/stand height	h7	41 in
4.19	Overall length	l1	104 in
4.21	Overall width	b1	95 in
4.22	Forks section / width / length	s / e / l	2 in x 5 in x 47 in
4.23	Fork carriage ISO 2328 (class/form) A/B	b3	2A
4.24	Fork carriage width		50 in
4.26	Distance between support arms	b5	46 in
4.26	Distance between wheel arms/loading surfaces	b4	63 in
4.28	Maximum horizontal extension at COG 600	l4	39 in
4.32	Ground clearance at centre of wheelbase	m2	11 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	132 in
4.35	Turning radius	Wa	97 in
Performances		7 mph - 7 mph	
5.1	Travel speed (laden / unladen)	0.85 ft/s / 0.79 ft/s	
5.2	Lifting speed (laden / unladen)	1 ft/s / 0.79 ft/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	
Transmission type		Kubota - Stage V / D1105-E4B-MNT2	
Engine		25 Hp / 18.50 kW	
7.1	Engine brand / norm / model	3000 rpm	
7.2	Engine power (Hp / kW)	3 - 69 in ³	
7.3	Rated speed		
7.4	Number of cylinders / Capacity of cylinders		
Miscellaneous		Cable	
8.1	Type of drive control	2756 PSI	
8.2	Working hydraulic pressure for attachments	11 US gpm	
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	in	92.6	106.4
	Simple Reach	h3 - Mast lifting height	in	118.1	141.7
	Double Reach	h4 - Mast extended height	in	175.4	199
	Simple Reach	Pantograph reach in	lb	4409	4409
	Double Reach	Pantograph reach out with stabilizers	lb	3858	3858
	Simple Reach	Pantograph reach out without stabilizers	lb	2315	2315
	Double Reach	Telescopic forks reach in	lb	4409	4409
	Simple Reach	Telescopic Forks reach out with stabilizers	lb	2866	2866
	Double Reach	Telescopic Forks reach out without stabilizers	lb	2425	2535
	Simple Reach	Pantograph & TF reach in	lb	4409	4409
	Double Reach	Pantograph & TF reach out with stabilizers	lb	2425	2425
	Simple Reach	Pantograph & TF reach out without stabilizers	lb	1213	1213



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