

Technical sheet :

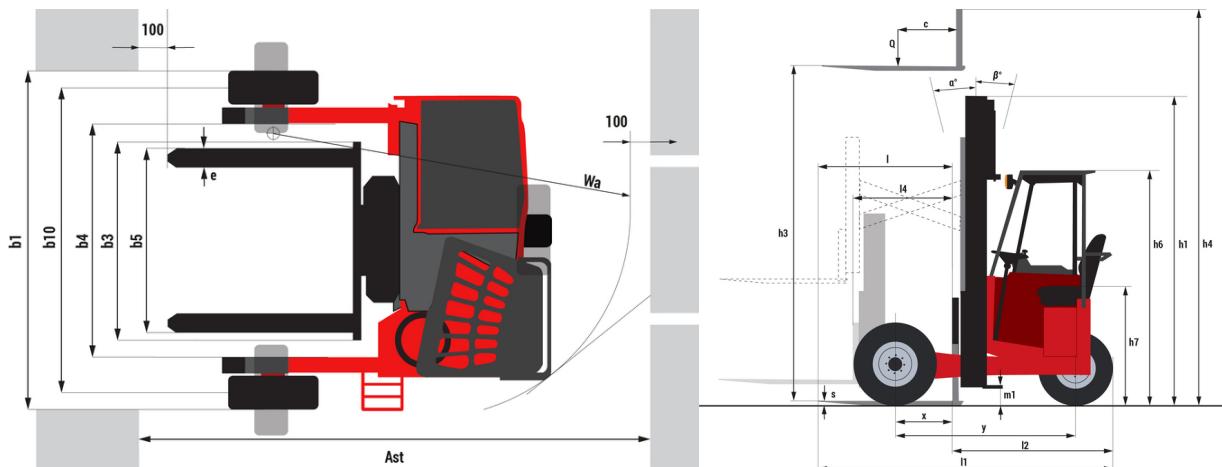
TMM 45 4W K ST5



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Technical characteristics			Imperial	
1.1	Manufacturer		MANITOU	
1.2	Model Name		TMM 45 4W K ST5	
1.2.1	Reach out equipment		Pantograph	
1.3	Power source		Diesel	
1.4	Operator type		Seated	
1.5	Max. capacity	Q	4409 lb	
1.6	Load center of gravity	c	20 in	
1.8	Load distance, centre of drive axle to fork	x	19 in	
1.9	Wheelbase	y	63 in	
Weight			FVD 30	
2.1	Standard mast reference of the machine		5401 lb	
2.2	Service weight		7011 lb / 2800 lb	
2.3	Weight on front axle (laden) / rear axle (laden)		2601 lb / 2800 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	
3.6	Front wheel gauge	b10	84 in	
Dimensions			118 in	
4.4	Max. lifting height	h3	83 in	
4.7	Height of overhead guard (cabin)	h6	42 in	
4.8	Seat height/stand height	h7	104 in	
4.19	Overall length	l1	94 in	
4.21	Overall width	b1	2 in x 5 in x 47 in	
4.22	Forks section / width / length	s / e / l	2A	
4.23	Fork carriage ISO 2328 (class/form) A/B		50 in	
4.24	Fork carriage width	b3	46 in	
4.26	Distance between support arms	b5	59 in	
4.28	Distance between wheel arms/loading surfaces	b4	39 in	
4.32	Maximum horizontal extension at COG 600	l4	11 in	
4.34	Ground clearance at centre of wheelbase	m2	132 in	
4.35	Aisle width for 800 x 1200 pallet lengthways	Ast	97 in	
Turning radius			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)		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	
Transmission type			Kubota - Stage V / D1105-E4B-MNT-2	
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 4W 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	2425	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	2535	2425
	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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