Technical sheet:

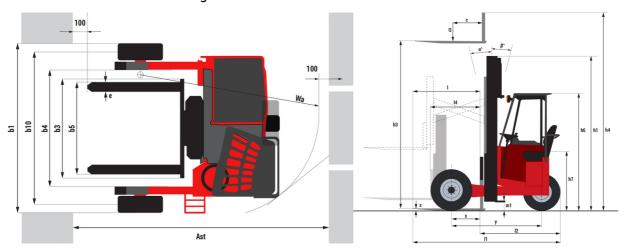
TMM 45 K ST5





		TMM 45 K ST5 Created on October 21, 2025	al o. 19 Fiv
	Technical characteristics	Imperial	
.1	Manufacturer	MANITOU	
1.2	Model Name	TMM 45 K ST	5
.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 24 in	
1.8	Load distance, centre of drive axle to fork	x 20 in	
1.9	Wheelbase	y 63 in	
	Weight) oo iii	
	Standard mast reference of the machine	FVD 30	
2.1	Service weight	5049 lb	
2.2			ı il
	Weight on front axle (laden) / rear axle (laden)	6724 lb / 2734	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	2315 lb / 2734	ł ID
. 1	Wheels		
3.1	Tires type	Pneumatic	
3.2	Dimensions of front wheels	27x10-12 IC3	
3.3	Dimensions of rear wheels	27x10-12 IC3	30
3.5	Number of front wheels / rear wheels	2/1	
.5.2	Drive wheels (front / rear)	2/1	
3.6	Front wheel gauge	b10 85 in	
	Dimensions		
4.4	Max. lifting height	h3 118 in	
4.7	Height of overhead guard (cabin)	h6 82 in	
1.8	Seat height/stand height	h7 41 in	
.19	Overall length	l1 102 in	
.21	Overall width	b1 91 in	
.22	Forks section / width / length	s / e / l 2 in x 5 in x 47	7 in
.23	Fork carriage ISO 2328 (class/form) A/B	2A	
.24	Fork carriage width	b3 50 in	
.26	Distance between support arms	b5 46 in	
.26	Distance between wheel arms/loading surfaces	b4 63 in	
.28	Maximum horizontal extension at COG 600	14 39 in	
.32	Ground clearance at centre of wheelbase	m2 9 in	
.34	Aisle width for 800 x 1200 pallet lengthways	Ast 132 in	
.35	Turning radius	Wa 97 in	
	Performances		
5.1	Travel speed (laden / unladen)	6 mph - 6 mp	h
5.2	Lifting speed (laden / unladen)	0.85 ft/s / 0.79	
5.3	Lowering speed (laden / unladen)	1 ft/s / 0.79 ft	t/s
5.7	Gradeability (laden / unladen)	56 % / 51 %	
5.9	Acceleration time (laden / unladen)	4.10 s / 2.60	
.10	Service brake	Hydraulic brakes by loss	
	Transmission type	Hydrostatic	
	Engine		
7.1	Engine brand / norm / model	Kubota - Stage V / D110	5-E4B-MNT-2
7.2	Engine power (Hp / kW)	25 Hp / 18.50	
7.3	Rated speed	3000 rpm	
7.4	Number of cylinders / Capacity of cylinders	3 - 69 in³	
, . -1	Miscellaneous	3 - 09 III*	
0 1	Type of drive control	A.H.	
3.1	•	Cable	
3.2	Working hydraulic pressure for attachments	2756 PSI	
8.3	Oil flow rate for attachments Sound level at the driver's ear according to DIN 12 053	11 US gpm 84 dB	

TMM 45 K ST5 - Dimensional drawing



Characteristics of masts and residual capacities

		Full Visibility Duplex (FVD)		FVD 30
		h1 - Mast lowered height	in	92.6
		h3 - Mast lifting height	in	118.1
		h4 - Mast extended height	in	175.4
nt &		Pantograph reach in	lb	4409
leig		Pantograph reach out with stabilizers	lb	3858
E	Simple Reach	Pantograph reach out without stabilizers	lb	2315
Ē.		Telescopic forks reach in	lb	4409
Ma)		Telescopic Forks reach out with stabilizers	lb	2866
pacity (LC = 60		Telescopic Forks reach out without stabilizers	lb	2425
- Ca	Double Reach	Pantograph & TF reach in	lb	4409
Residual Capacity (Maximum Height & LC = 600 mm)		Pantograph & TF reach out with stabilizers	lb	2425
		Pantograph & TF reach out without stabilizers	lb	1213

FVD 30	FVD 36	FVD 39
92.6	106.4	112.3
118.1	141.7	153.5
175.4	199	210.8
4409	4409	4409
3858	3858	3858
2315	2315	2315
4409	4409	4409
2866	2866	2866
2425	2535	2425
4409	4409	4409
2425	2425	2425
1213	1213	1213





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