Technical sheet:

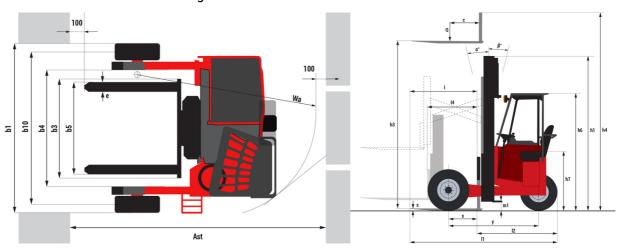
TMM 45 K ST5





| | | IMM 43 K313 Olec | ited off November 6, 2025 at 9.59 Five |
|-------|---|------------------|--|
| | 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 | Q | 4409 lb |
| 1.6 | Load center of gravity | С | 20 in |
| 1.8 | Load distance, centre of drive axle to fork | x | 19 in |
| 1.9 | Wheelbase | у | 63 in |
| | Weight | | |
| | Standard mast reference of the machine | | FVD 30 |
| 2.1 | Service weight | | 5049 lb |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 6724 lb / 2734 lb |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 2315 lb / 2734 lb |
| | 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 | 85 in |
| 0.0 | Dimensions | 510 | 00 111 |
| 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 | 11 | 104 in |
| 4.19 | Overall width | b1 | 95 in |
| 4.21 | | | 2 in x 5 in x 47 in |
| | Forks section / width / length | s / e / l | 2 III X 3 III X 47 III 2A |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | h2 | 50 in |
| 4.24 | Fork carriage width | b3 | |
| 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 | 14 | 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 | Tuming radius | Wa | 97 in |
| 5.4 | Performances | | |
| 5.1 | Travel speed (laden / unladen) | | 7 mph - 7 mph |
| 5.2 | Lifting speed (laden / unladen) | | 0.85 ft/s / 0.79 ft/s |
| 5.3 | Lowering speed (laden / unladen) | | 1 ft/s / 0.79 ft/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 | Engine power (Hp / kW) | | 25 Hp / 18.50 kW |
| 7.3 | Rated speed | | 3000 rpm |
| 7.4 | Number of cylinders / Capacity of cylinders | | 3 - 69 in³ |
| | Miscellaneous | | |
| 8.1 | Type of drive control | | Cable |
| 8.2 | Working hydraulic pressure for attachments | | 2756 PSI |
| 8.3 | Oil flow rate for attachments | | 11 US gpm |
| 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

| | | 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 |
| leigh | ے | Pantograph reach out with stabilizers | lb | 3858 |
| Ē | LC = 600 mm) Simple Reach | Pantograph reach out without stabilizers | lb | 2315 |
| eim (im | | Telescopic forks reach in | lb | 4409 |
| Мау п | | Telescopic Forks reach out with stabilizers | lb | 2866 |
| Residual Capacity (Maximum Height & LC = 600 mm) | | Telescopic Forks reach out without stabilizers | lb | 2425 |
| Ca | ω_ | Pantograph & TF reach in | lb | 4409 |
| idua | Double Reach | Pantograph & TF reach out with stabilizers | lb | 2425 |
| Res | ₫ % | Pantograph & TF reach out without stabilizers | lb | 1213 |

| FVD 30 | FVD 36 |
|--------|--------|
| 92.6 | 106.4 |
| 118.1 | 141.7 |
| 175.4 | 199 |
| 4409 | 4409 |
| 3858 | 3858 |
| 2315 | 2315 |
| 4409 | 4409 |
| 2866 | 2866 |
| 2425 | 2535 |
| 4409 | 4409 |
| 2425 | 2425 |
| 1213 | 1213 |





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