Technical sheet:

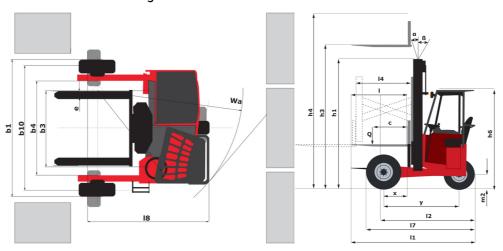
TMM 20 4W ST5





| | | TMM 20 4W ST5 | Created on 30 April 2024 at 05:54:09 UTC |
|-------|---|---------------|--|
| | Technical characteristics | | Metric |
| 1.1 | Manufacturer | | MANITOU |
| 1.2 | Model Name | | TMM 20 4W 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 | 500 mm |
| 1.9 | Wheelbase | Y | 1598 mm |
| | Weight | , | |
| 2.1 | Service weight | | 2450 kg |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 3180 kg / 1270 kg |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 1180 kg / 1270 kg |
| 2.3 | Wheels | | 1100 kg / 1270 kg |
| 3.1 | Tires type | | Pneumatic |
| 3.2 | Dimensions of front wheels | | 27X10-12 IC30 |
| 3.3 | Dimensions of rear wheels | | 27X10-12 IC30 |
| | Number of front wheels / rear wheels | | |
| 3.5 | | | 2/1 |
| 3.5.2 | Drive wheels (front / rear) | 110 | 2 / 1 |
| 3.6 | Front wheel gauge | b10 | 2095 mm |
| 4.7 | Dimensions | | 0000 |
| 4.7 | Height of overhead guard (cabin) | h6 | 2080 mm |
| 4.8 | Seat height/stand height | h7 | 1030 mm |
| 4.19 | Overall length | l1 | 2598 mm |
| 4.21 | Overall width | b1 | 2315 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 m |
| 4.25 | Distance between support arms | b4 | 1165 mm |
| 4.26 | Distance between wheel arms/loading surfaces | b4 | 1492 mm |
| 4.28 | Maximum horizontal extension at COG 600 | 14 | 1000 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 231 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) | | 9.40 km/h - 9.50 km/h |
| 5.2 | Lifting speed (laden / unladen) | | 0.26 m/s / 0.24 m/s |
| 5.5 | Nominal pulling force (laden) | | 2450 |
| 5.3 | Lowering speed (laden / unladen) | | 0.38 m/s / 0.24 m/s |
| 5.7 | Gradeability (laden / unladen) | | 47 % / 48 % |
| 5.10 | Service brake | | Hydraulic brakes by loss of pressure |
| 5.9 | Acceleration time (laden / unladen) | | 4.10 s / 2.60 s |
| 5.11 | Transmission type | | Hydrostatic |
| | Engine | | |
| 7.1 | Engine brand / norm | | Kubota - Stage V |
| 7.2 | Engine power according to ISO 1585 | | 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 I/min |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | | 84 dB |

TMM 20 4W ST5 - Dimensional drawing



Characteristics of masts and residual capacities

| | | Full Visibility Duplex (FVD) | | FVD 30 | FVD 36 |
|--|-----------------|--|----|--------|--------|
| | | h1 - Mast lowered height | mm | 2352 | 2702 |
| | | h3 - Mast lifting height | mm | 3000 | 3600 |
| | | h4 - Mast extended height | mm | 4455 | 5055 |
| nt & | Simple Reach | Pantograph reach in | kg | 2000 | 2000 |
| leigh | | Pantograph reach out with stabilizers | kg | 1750 | 1750 |
| E | | Pantograph reach out without stabilizers | kg | 1100 | 1050 |
| m) Ein | | Telescopic forks reach in | kg | 2000 | 2000 |
| Мау 00 ш | | Telescopic Forks reach out with stabilizers | kg | 1300 | 1300 |
| Capacity (Maximum Height & LC = 600 mm) | | Telescopic Forks reach out without stabilizers | kg | 1150 | 1100 |
| | Double Reach | Pantograph & TF reach in | kg | 2000 | 2000 |
| Residual | | Pantograph & TF reach out with stabilizers | kg | 1100 | 1100 |
| Res | | Pantograph & TF reach out without stabilizers | kg | 550 | 550 |





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