Technical sheet:

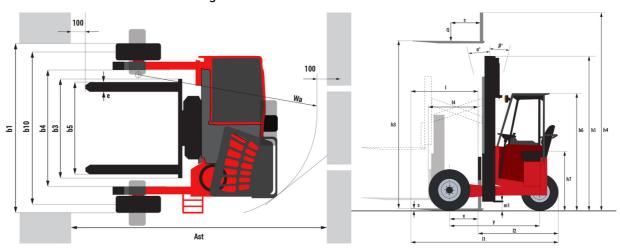
TMM 20 4W ST5





| | Technical characteristics | | Metric |
|------------|---|-----------|--------------------------------------|
| 1.1 | Manufacturer | | MANITOU |
| 1.2 | Model Name | | TMM 20 4W ST5 |
| .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 | у | 1598 mm |
| | Weight | , | |
| | Standard mast reference of the machine | | FVD 30 |
| 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 (Inden) / rear axle (Inden) | | |
| 2.3 | Wheels | | 1180 kg / 1270 kg |
| 0.1 | | | Draumatia |
| 3.1 3.2 | Tires type | | Pneumatic |
| 3.2 | Dimensions of front wheels | | 27X10-12 IC30 |
| | Dimensions of rear wheels | | 27X10-12 IC30 |
| 3.5 | Number of front wheels / rear wheels | | 2/1 |
| .5.2 | Drive wheels (front / rear) | 140 | 2 / 1 |
| 3.6 | Front wheel gauge | b10 | 2143 mm |
| | Dimensions | | |
| 1.4 | Max. lifting height | h3 | 4200 mm |
| 4.7 | Height of overhead guard (cabin) | h6 | 2120 mm |
| 1.8 | Seat height/stand height | h7 | 1070 mm |
| .19 | Overall length | l1 | 2638 mm |
| .21 | Overall width | b1 | 2398 mm |
| .22 | Forks section / width / length | s / e / l | 40 mm x 122 mm x 1200 mm |
| .23 | Fork carriage ISO 2328 (class/form) A/B | | 2A |
| .24 | Fork carriage width | b3 | 1260 m |
| .26 | Distance between support arms | b5 | 1165 mm |
| .26 | Distance between wheel arms/loading surfaces | b4 | 1492 mm |
| .28 | Maximum horizontal extension at COG 600 | 14 | 1000 mm |
| .34 | Aisle width for 800 x 1200 pallet lengthways | Ast | 3363 mm |
| .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 |
| 5.3 | Lowering speed (laden / unladen) | | 0.38 m/s / 0.24 m/s |
| 5.7 | Gradeability (laden / unladen) | | 47 % / 48 % |
| 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 - 1123 cm³ |
| 7.4 | Miscellaneous | | 120 0 |
| 8.1 | Type of drive control | | Cable |
| 3.2 | Working hydraulic pressure for attachments | | 190 bar |
| 8.3 | Oil flow rate for attachments | | 43 l/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) | |
|---|-----------------|--|----|
| | | h1 - Mast lowered height | mm |
| | | h3 - Mast lifting height | mm |
| | | h4 - Mast extended height | mm |
| nt & | | Pantograph reach in | kg |
| leigh | Simple Reach | Pantograph reach out with stabilizers | kg |
| Ē | | Pantograph reach out without stabilizers | kg |
| Ē. | | Telescopic forks reach in | kg |
| Ma) | | Telescopic Forks reach out with stabilizers | kg |
| Residual Capacity (Maximum Height & LC = 600 mm) | | Telescopic Forks reach out without stabilizers | kg |
| Ca | Double Reach | Pantograph & TF reach in | kg |
| idua | | Pantograph & TF reach out with stabilizers | kg |
| Res | Q % | Pantograph & TF reach out without stabilizers | kg |

| FVD 30 | FVD 36 | FVD 42 |
|--------|--------|--------|
| 2352 | 2702 | 3090 |
| 3000 | 3600 | 4200 |
| 4455 | 5055 | 5695 |
| 2000 | 2000 | 2500 |
| 1750 | 1750 | |
| 1100 | 1050 | |
| 2000 | 2000 | |
| 1300 | 1300 | |
| 1150 | 1100 | |
| 2000 | 2000 | |
| 1100 | 1100 | |
| 550 | 550 | |





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