Technical sheet :

TMM 20 4W ST5



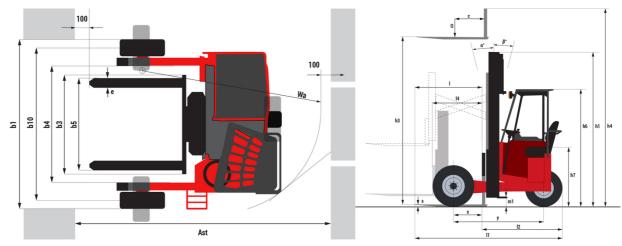


| TMM 20 4W ST5 Created on August 12, 2025 at 4:21 PM UT |
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| | Technical characteristics | | | |
|-------|---|-----------|--|--|
| 1.1 | Manufacturer | | | |
| 1.2 | Model Name | | | |
| 1.2.1 | Reach out equipment | | | |
| 1.3 | Power source | | | |
| 1.4 | Operator type | | | |
| 1.5 | Max. capacity | Q | | |
| 1.6 | Load center of gravity | С | | |
| 1.8 | Load distance, centre of drive axle to fork | x | | |
| 1.9 | Wheelbase | у | | |
| | Weight | | | |
| | Standard mast reference of the machine | | | |
| 2.1 | Service weight | | | |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | | |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | | |
| | Wheels | | | |
| 3.1 | Tires type | | | |
| 3.2 | Dimensions of front wheels | | | |
| 3.3 | Dimensions of rear wheels | | | |
| 3.5 | Number of front wheels / rear wheels | | | |
| 3.5.2 | Drive wheels (front / rear) | | | |
| 3.6 | Front wheel gauge | b10 | | |
| | Dimensions | | | |
| 4.4 | Max. lifting height | h3 | | |
| 4.7 | Height of overhead guard (cabin) | h6 | | |
| 4.8 | Seat height/stand height | h7 | | |
| 4.19 | Overall length | 11 | | |
| 4.21 | Overall width | b1 | | |
| 4.22 | Forks section / width / length | s / e / l | | |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | | | |
| 4.24 | Fork carriage width | b3 | | |
| 4.26 | Distance between support arms | b5 | | |
| 4.26 | Distance between wheel arms/loading surfaces | b4 | | |
| 4.28 | Maximum outreach | | | |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast | | |
| 4.35 | Turning radius | Wa | | |
| | Performances | | | |
| 5.1 | Travel speed (laden / unladen) | | | |
| 5.2 | Lifting speed (laden / unladen) | | | |
| 5.3 | Lowering speed (laden / unladen) | | | |
| 5.7 | Gradeability (laden / unladen) | | | |
| 5.9 | Acceleration time (laden / unladen) | | | |
| 5.10 | Service brake | | | |
| | Transmission type | | | |
| | Engine | | | |
| 7.1 | Engine brand / norm / model | | | |
| 7.2 | I.C. Engine power rating / Power | | | |
| 7.3 | Rated speed | | | |
| 7.4 | Number of cylinders / Capacity of cylinders | | | |
| | Miscellaneous | | | |
| 8.1 | Type of drive control | | | |
| 8.2 | Working hydraulic pressure for attachments | | | |
| 8.3 | Oil flow rate for attachments | | | |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | | | |
| | | | | |

|) 4W ST 5 | Created on August 12, 2025 at 4:21 PM UTC | | | | | | |
|-----------|---|--|--|--|--|--|--|
| | Metric | | | | | | |
| | MANITOU TMM 20 4W ST5 | | | | | | |
| | | | | | | | |
| | Pantograph | | | | | | |
| | Diesel | | | | | | |
| | Seated | | | | | | |
| Q | 2000 kg | | | | | | |
| c | | | | | | | |
| x | 500 mm 500 mm | | | | | | |
| | 1598 mm | | | | | | |
| у | 1598 11111 | | | | | | |
| | FVD 30 | | | | | | |
| | | | | | | | |
| | 2450 kg | | | | | | |
| | 3180 kg / 1270 kg | | | | | | |
| | 1180 kg / 1270 kg | | | | | | |
| | | | | | | | |
| | Pneumatic | | | | | | |
| | 27X10-12 IC30 | | | | | | |
| | 27X10-12 IC30 | | | | | | |
| | 2 / 1 | | | | | | |
| | 2 / 1 | | | | | | |
| b10 | 2143 mm | | | | | | |
| | | | | | | | |
| h3 | 4200 mm | | | | | | |
| h6 | 2120 mm | | | | | | |
| h7 | 1070 mm | | | | | | |
| 11 | 2638 mm | | | | | | |
| b1 | 2398 mm | | | | | | |
| s / e / l | 40 mm x 122 mm x 1200 mm | | | | | | |
| | 2A | | | | | | |
| b3 | 1260 m | | | | | | |
| b5 | 1165 mm | | | | | | |
| b4 | 1492 mm | | | | | | |
| | 1000 mm | | | | | | |
| Ast | 3363 mm | | | | | | |
| Wa | 2463 mm | | | | | | |
| | | | | | | | |
| | 9.40 km/h - 9.50 km/h | | | | | | |
| | 0.26 m/s / 0.24 m/s | | | | | | |
| | 0.38 m/s / 0.24 m/s | | | | | | |
| | 47 % / 48 % | | | | | | |
| | 4.10 s / 2.60 s | | | | | | |
| | Hydraulic brakes by loss of pressure | | | | | | |
| | Hydrostatic | | | | | | |
| | | | | | | | |
| | Kubota - Stage V / D1105-E4B-MNT-2 | | | | | | |
| | 18.50 kW / 18.50 kW | | | | | | |
| | 3000 rpm | | | | | | |
| | 3 - 1123 cm³ | | | | | | |
| | | | | | | | |
| | Cable | | | | | | |
| | 190 bar | | | | | | |
| | 43 l/min | | | | | | |
| | 84 dB | | | | | | |
| | | | | | | | |

TMM 20 4W ST5 - Dimensional drawing



Characteristics of masts and residual capacities

| | | Full Visibility Duplex (FVD) | | FVD 30 | FVD 36 | FVD 42 |
|---|-----------------|---|----|--------|--------|--------|
| | | h1 - Mast lowered height | mm | 2352 | 2702 | 3090 |
| | | h3 - Mast lifting height | mm | 3000 | 3600 | 4200 |
| | | h4 - Mast extended height | mm | 4455 | 5055 | 5695 |
| Residual Capacity (Maximum Height & LC = 600 mm) | Simple Reach | Pantograph reach in | kg | 2000 | 2000 | 2500 |
| | | Pantograph reach out with stabilizers | kg | 1750 | 1750 | |
| | | Pantograph reach out without stabilizers | kg | 1100 | 1050 | |
| | | Telescopic forks reach in | kg | 2000 | 2000 | |
| | | Telescopic Forks reach out with stabilizers | kg | 1300 | 1300 | |
| | | Telescopic Forks reach out without stabilizers | kg | 1150 | 1100 | |
| | Double Reach | Pantograph & TF reach in | kg | 2000 | 2000 | |
| | | Pantograph & TF reach out with stabilizers | kg | 1100 | 1100 | |
| | | Pantograph & TF reach out without stabilizers | kg | 550 | 550 | |



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