

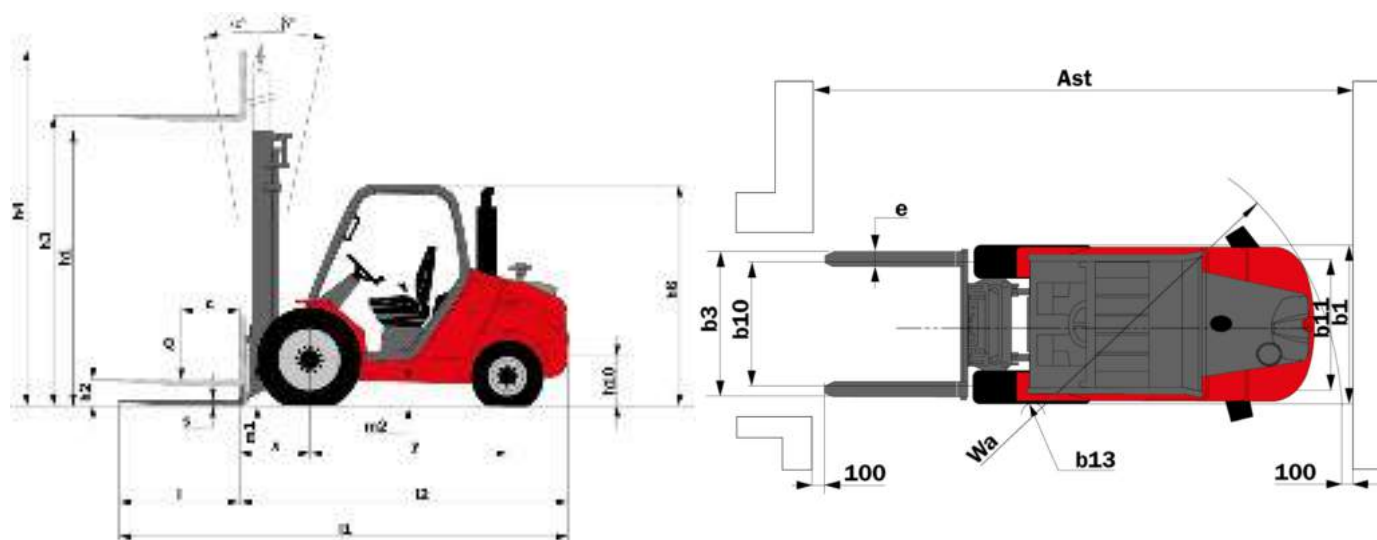
Technical sheet

MSI 50

Masted Forklift Trucks



| | Technical characteristics | Metric |
|------|--|----------------------------------|
| 1.1 | Manufacturer | Manitou |
| 1.2 | Model | MSI 50 |
| 1.3 | Type of traction | Diesel |
| 1.4 | Type of operation | Seated |
| 1.5 | Q - Rated capacity | 5000 kg |
| 1.8 | x - Distance from the load bearing surface to the centre of the front axle | 701 mm |
| 1.9 | y - Wheelbase | 2075 mm |
| | Weight | |
| 2.1 | Weight of truck in working order | 8420 kg |
| 2.2 | Laden weight on front/rear axle | 11467 kg / 1953 kg |
| 2.3 | Unladen weight on front/rear axle | 3489 kg / 4931 kg |
| | Wheels | |
| 3.1 | Tyre equipment: bandage (V), PPS (SE), inflatable tyre (L) | L |
| 3.5 | Number of front wheels (x) | 2x / 2 |
| | Dimensions | |
| 4.2 | h1 - Height (mast lowered) | 2780 mm |
| 4.5 | h4 - Height of extended mast | 4672 mm |
| 4.19 | l1 - Total length | 4584 mm |
| 4.20 | l2 - Length to fork heel | 3380 mm |
| 4.21 | b1 - Overall width - Single/twinned wheels | 1730 mm / - |
| 4.23 | Fork carriage to DIN 15173 A/B | FEM 4A |
| 4.24 | b3 - Width of fork clamp | 1670 mm |
| 4.33 | Ast - Aisle width for 1000 x 1200 pallet widthwise | 5040 mm |
| 4.34 | Ast - Aisle width for 800 x 1200 pallet lengthwise | 5240 mm |
| 4.35 | Wa - Turning radius | 2950 mm |
| | Performances | |
| 5.1 | Speed of travel laden / unladen | 22 km/h / 22 km/h |
| 5.5 | Nominal pulling force laden / unladen | 3350 daN / - |
| 5.7 | Maximum ramp laden / unladen | 24 % / 26 % |
| 5.10 | Service brake | Hydraulic |
| | Engine | |
| 7.1 | Engine manufacturer / Type | Perkins - 854 F 10794 / Stage 3B |
| 7.2 | Useful power | 55 kW |
| 7.4 | Number of pistons / Capacity | 4 / 3400 cm ³ |
| | Miscellaneous | |
| 8.2 | Working hydraulic pressure for attachments | 230 bar |
| 8.3 | Oil flow rate for attachments | 103 l/min |
| 8.4 | Measured/guaranteed mean noise level at the ear of the operator | 81 dB(A) |



Characteristics of masts and residual capacities

| Duplex Total Visibility | | FVD 30 | FVD 33 | FVD 35 | FVD 37 | FVD 40 | FVD 45 | FVD 50 |
|-------------------------|----|--------|--------|--------|--------|--------|--------|--------|
| Lift height | mm | 3000 | 3300 | 3500 | 3700 | 4000 | 4500 | 5000 |
| Height (mast lowered) | mm | 2425 | 2575 | 2675 | 2775 | 2925 | 3175 | 3425 |
| Height of extended mast | mm | 3972 | 4272 | 4472 | 4672 | 4972 | 5472 | 5972 |

| Triplex Free Lift | | FLT 37 | FLT 40 | FLT 43 | FLT 45 | FLT 47 | FLT 50 | FLT 55 | FLT 60 |
|-------------------------|----|--------|--------|--------|--------|--------|--------|--------|--------|
| Lift height | mm | 3700 | 4000 | 4300 | 4500 | 4700 | 5000 | 5500 | 6000 |
| Height (mast lowered) | mm | 2175 | 2275 | 2375 | 2450 | 2510 | 2625 | 2775 | 2950 |
| Free lift | mm | 1263 | 1363 | 1463 | 1538 | 1598 | 1713 | 1863 | 2038 |
| Height of extended mast | mm | 4662 | 4962 | 5262 | 5462 | 5662 | 5962 | 6462 | 6962 |



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