

Technical sheet :

1050RT



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|---|-----|---------------------|
| Operating Weight | | 2141 kg |
| Unladen weight | | 1928 kg |
| Operating Capacity at 35% Tipping Load | | 476 kg |
| Operating Capacity At 50% Tipping Load | | 680 kg |
| Tipping capacity | | 1361 kg |
| Weight and dimensions | | |
| Overall Operating Height - Fully Raised | h27 | 3650 mm |
| Height to Hinge Pin – Fully Raised | h28 | 2769 mm |
| Dump reach - Full height | r6 | 673.10 mm |
| Dump angle at full height | a5 | 38 ° |
| Dump Height - Fully Raised | h29 | 2134 mm |
| Maximum Rollback Angle - Fully Raised | a4 | 102 ° |
| Overall Height to top of ROPS | h17 | 1816 mm |
| Overall length with bucket | l16 | 2985 mm |
| Overall Length without Bucket | l1 | 2258 mm |
| Specified Height | h31 | 1466 mm |
| Reach at Specified Height | r4 | 991 mm |
| Dump angle at specified height | a17 | 72 ° |
| Maximum Rollback Angle at Ground | a13 | 32 ° |
| Carry Position | d5 | 127 mm |
| Maximum Rollback Angle at Carry Position | a14 | 32 ° |
| Digging Position | h32 | 0 mm |
| Angle of Departure with STD Counterweight | | 35 ° |
| Ground clearance | m4 | 191 mm |
| Track gauge | b10 | 1039 mm |
| Track Shoe Width | b20 | 250 mm |
| Crawler base | y2 | 1283 mm |
| Overall width less bucket | b1 | 1290 mm |
| Bucket Width | e1 | 1372 mm |
| Clearance Radius - Front with Bucket | b18 | 1854 mm |
| Clearance Circle - Rear | wa1 | 1290 mm |
| Maximum rollback at specified height | | 72 ° |
| Angle of Approach | a3 | 90 ° |
| Grouser Height | | 25 mm |
| Track Type / Track Rollers / Roller Type | | Rubber / 4 / Steel |
| Performances | | |
| Ground Speed - Single Speed | | 10.10 km/h |
| Drawbar Pull/Tractive Effort | | 1996 kg |
| Bucket Breakout - Tilt Cylinder | | 1346 kg |
| Bucket Breakout - Lift Cylinder | | 1376 kg |
| Engine | | |
| Engine brand | | Yanmar |
| Engine model | | 3TNV88C-KMSV |
| Motor Type | | Radial Piston |
| Gross Power / Power | | 25.50 kW @ 2800 rpm |
| Net Power / Power | | 23.70 kW / 2800 rpm |
| Max. torque | | 109.40 Nm |
| I.C. Engine power rating | | 34.20 Hp |
| Battery voltage | | 12 V |
| Cold Cranking Amps at Temperature (CCA) | | 800 A |
| Alternator - Voltage / Ampere | | 12 V / 55 A |
| Hydraulics | | |
| Standard flow - Auxiliary hydraulics | | 55 l/min |
| Tank capacities | | |
| Oil Pan Capacity | | 5.87 l |
| Hydraulic oil tank capacity | | 30 l |
| Fuel tank | | 36 l |
| Coolant system capacity | | 6.62 l |
| Displacement / Number of cylinders | | 1.64 l / 3 |
| Noise and vibration | | |
| Noise to environment (LwA) | | 101 dB |
| Noise at driving position (LpA) | | 85.80 dB |
| Miscellaneous | | |
| Ground Pressure | | 0.33 bar |

1050RT - Dimensional drawing



Equipment

| | |
|--|----------|
| Lifting function | |
| All-Tach® Attachment Mounting System | Standard |
| Auxiliary Hydraulics | Standard |
| IdealTrax™ Automatic Track Tensioning System | Standard |
| Motorization/Power | |
| Combination Radiator & Hydraulic Oil Cooler | Standard |
| Dual-Element Air Cleaner with Indicator | Standard |
| Engine Auto-Shutdown System | Optional |
| Glowplugs Starts Assist | Standard |
| Operator station | |
| Foot Throttle | Standard |
| Full-Suspension Seat | Optional |
| Multi-Function Display Screen | Standard |
| ROPS/FOPS Level II Overhead Guard | Standard |
| Sliding Side Windows | Standard |
| Swing-out Cab Door | Standard |
| Other options | |
| Selectable Self-Leveling Hydraulic Lift Action 4 | Optional |
| Pneumatics | |
| Rubber Track Undercarriage System | Standard |
| Secondary functions | |
| Counterweight | Standard |
| Dedicated Undercarriage | Standard |
| Security | |
| Anti-Vandalism Protection | Standard |
| Back-Up Alarm | Standard |
| Easy Manager | Standard |
| Engine Alert System with Error Display | Standard |
| Mechanical Lift Cylinder Lock | Standard |



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