

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            |

| 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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