

Technical sheet :

# 2550RT



 **MANITOU**  
HANDLING YOUR WORLD

| Capacities                                |     | Metric                                    |
|---|-----|---|
| Max. capacity                             | Q   | 3305 kg                                   |
| Operating Weight                          |     | 5260 kg                                   |
| Unladen weight                            |     | 5260 kg                                   |
| Operating Capacity at 35% Tipping Load    |     | 1157 kg                                   |
| Operating Capacity At 50% Tipping Load    |     | 1652 kg                                   |
| Tipping capacity                          |     | 3305 kg                                   |
| Weight and dimensions                     |     |   |
| Overall Operating Height - Fully Raised   | h27 | 4267 mm                                   |
| Height to Hinge Pin – Fully Raised        | h28 | 3251 mm                                   |
| Dump reach - Full height                  | r6  | 876 mm                                    |
| Dump angle at full height                 | a5  | 41 °                                      |
| Dump Height - Fully Raised                | h29 | 2489 mm                                   |
| Maximum Rollback Angle - Fully Raised     | a4  | 102.50 °                                  |
| Overall Height to top of ROPS             | h17 | 2111 mm                                   |
| Overall length with bucket                | l16 | 4008 mm                                   |
| Departure angle                           | a2  | 25 °                                      |
| Overall Length without Bucket             | l1  | 3221 mm                                   |
| Specified Height                          | h31 | 1720 mm                                   |
| Reach at Specified Height                 | r4  | 795 mm                                    |
| Dump angle at specified height            | a17 | 66.80 °                                   |
| Maximum Rollback Angle at Ground          | a13 | 30 °                                      |
| Carry Position                            | d5  | 208 mm                                    |
| Maximum Rollback Angle at Carry Position  | a14 | 31.60 °                                   |
| Digging Position                          | h32 | 13 mm                                     |
| Angle of Departure with STD Counterweight |     | 25 °                                      |
| Ground clearance                          | m4  | 313 mm                                    |
| Track gauge                               | b10 | 1313 mm                                   |
| Track Shoe Width                          | b20 | 450 mm                                    |
| Crawler base                              | y2  | 1562 mm                                   |
| Overall width less bucket                 | b1  | 1765 mm                                   |
| Bucket Width                              | e1  | 2131 mm                                   |
| Clearance Radius - Front with Bucket      | b18 | 2499 mm                                   |
| Clearance Circle - Rear                   | wa1 | 1796 mm                                   |
| Maximum rollback at specified height      |     | 66.80 °                                   |
| Angle of Approach                         | a3  | 90 °                                      |
| Grouser Height                            |     | 25 mm                                     |
| Track Type / Track Rollers / Roller Type  |     | Rubber / 5 / Steel                        |
| Performances                              |     |   |
| Ground Speed - Single Speed               |     | 8.50 km/h                                 |
| Ground Speed - Two Speed                  |     | 12.10 km/h                                |
| Drawbar Pull/Tractive Effort              |     | 5649 kg                                   |
| Bucket Breakout - Tilt Cylinder           |     | 3803 kg                                   |
| Bucket Breakout - Lift Cylinder           |     | 3373 kg                                   |
| Engine                                    |     |   |
| Engine brand                              |     | Deutz                                     |
| Engine model                              |     | TD 3.6 L4                                 |
| Motor Type                                |     | Axial Piston Planetary Gear Box Reduction |
| Gross Power / Power                       |     | 55.40 kW @ 2300 rpm                       |
| Net Power / Power                         |     | 52.70 kW / 2300 rpm                       |
| Max. torque                               |     | 330 Nm                                    |
| I.C. Engine power rating                  |     | 74.29 Hp                                  |
| Battery voltage                           |     | 12 V                                      |
| Cold Cranking Amps at Temperature (CCA)   |     | 950 A                                     |
| Alternator - Voltage / Ampere             |     | 12 V / 120 A                              |
| Hydraulics                                |     |   |
| Standard flow - Auxiliary hydraulics      |     | 110 l/min                                 |
| Tank capacities                           |     |   |
| Oil Pan Capacity                          |     | 8.50 l                                    |
| Hydraulic tank capacity                   |     | 52.20 l                                   |
| Fuel tank                                 |     | 121.10 l                                  |
| Coolant system capacity                   |     | 23.10 l                                   |
| Displacement / Number of cylinders        |     | 3.60 l / 4                                |
| Noise and vibration                       |     |   |
| Noise to environment (LWA)                |     | 106.10 dB                                 |
| Noise at driving position (LpA)           |     | 85.80 dB                                  |
| Miscellaneous                             |     |   |
| Ground Pressure                           |     | 0.36 bar                                  |

## Equipment

| Lifting function                                 |          |
|--|----------|
| All-Tach® Attachment Mounting System             | Standard |
| Auxiliary Hydraulics                             | Standard |
| Electronic Attachment Control - 14-Pin Connector | Optional |
| High-Flow Auxiliary Hydraulics                   | Optional |
| IdealTrax™ Automatic Track Tensioning System     | Standard |
| Power-A-Tach® Attachment Mounting System         | Optional |
| Motorization/Power                               |          |
| Combination Radiator & Hydraulic Oil Cooler      | Standard |
| Dual-Element Air Cleaner with Indicator          | Standard |
| Elevated Planetary Final Drives                  | Standard |
| Engine Auto-Shutdown System                      | Standard |
| Glowplugs Starts Assist                          | Standard |
| Horsepower Management System                     | Standard |
| Two-Speed Hydrostatic Drive System               | Standard |
| Operator station                                 |          |
| Air suspension seat                              | Optional |
| Drive Sensitivity Adjustment                     | Standard |
| Electro-Hydraulic Joystick Controls              | Standard |
| Foot Throttle                                    | Standard |
| Full-Suspension Seat                             | Standard |
| IdealAccess™ Fold-Up Door                        | Optional |
| Multi-Function Display Screen                    | Standard |
| Pressurized Cab Enclosure with A/C               | Optional |
| Rearview Camera                                  | Standard |
| ROPS/FOPS Level II Overhead Guard                | Standard |
| Sliding Side Windows                             | Standard |
| Swing-out Cab Door                               | Standard |
| Variable Speed Control, Selectable On & Off      | Optional |
| Other options                                    |          |
| Selectable Self-Leveling Hydraulic Lift Action 4 | Optional |
| Pneumatics                                       |          |
| Rubber Track Undercarriage System                | Standard |
| Single Flange Front/Dual Flange Rear Idlers      | Standard |
| Secondary functions                              |          |
| Counterweight                                    | Standard |
| Dedicated Undercarriage                          | Standard |
| Security   |          |
| Anti-Vandalism Lock Provisions                   | Standard |
| Back-Up Alarm                                    | Standard |
| Easy Manager                                     | Standard |
| Engine Alert System with Error Display           | Standard |
| Mechanical Lift Cylinder Lock                    | Standard |
| Straight Tracking                                | Standard |
| Tilt-out Foot Pod                                | Standard |



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