

Technical sheet :

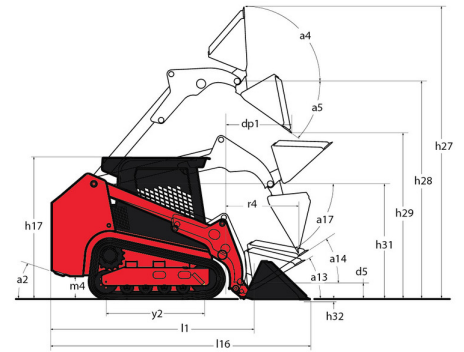
2500RT NXT3



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric | Imperial |
|---|-----|--|--|
| Max. capacity | Q | 3240 kg | 7143 lb |
| Operating Weight | | 5203 kg | 11471 lb |
| Operating Capacity at 35% Tipping Load | | 1134 kg | 2500 lb |
| Operating Capacity At 50% Tipping Load | | 1620 kg | 3571 lb |
| Tipping capacity | | 3240 kg | 7143 lb |
| Weight and dimensions | | | |
| Overall Operating Height - Fully Raised | h27 | 4267 mm | 168 in |
| Height to Hinge Pin – Fully Raised | h28 | 3251 mm | 128 in |
| Dump reach - Full height | r6 | 876 mm | 34 in |
| Dump angle at full height | a5 | 41 ° | 41 ° |
| Dump Height - Fully Raised | h29 | 2489 mm | 98 in |
| Maximum Rollback Angle - Fully Raised | a4 | 102.50 ° | 102.50 ° |
| Overall Height to top of ROPS | h17 | 2111 mm | 83 in |
| Overall length with bucket | l16 | 4008 mm | 158 in |
| Overall Length without Bucket | l1 | 3221 mm | 127 in |
| Specified Height | h31 | 1720 mm | 68 in |
| Reach at Specified Height | r4 | 795 mm | 31 in |
| Dump angle at specified height | a17 | 75 ° | 75 ° |
| Maximum Rollback Angle at Ground | a13 | 30 ° | 30 ° |
| Carry Position | d5 | 208 mm | 8 in |
| Maximum Rollback Angle at Carry Position | a14 | 31.60 ° | 31.60 ° |
| Digging Position | h32 | 13 mm | 0.51 in |
| Angle of Departure with STD Counterweight | | 25 ° | 25 ° |
| Ground clearance | m4 | 335 mm | 13 in |
| Track gauge | b10 | 1313 mm | 52 in |
| Track Shoe Width | b20 | 450 mm | 18 in |
| Crawler base | y2 | 1562 mm | 61 in |
| Overall width less bucket | b1 | 1765 mm | 69 in |
| Bucket Width | e1 | 2131 mm | 84 in |
| Clearance Radius - Front with Bucket | b18 | 2499 mm | 98 in |
| Clearance Circle - Rear | wa1 | 1796 mm | 71 in |
| Maximum rollback at specified height | | 66.80 ° | 66.80 ° |
| Angle of Approach | a3 | 90 ° | 90 ° |
| Grouser Height | | 25 mm | 0.98 in |
| Track Type / Track Rollers / Roller Type | | Rubber / 5 / Steel | Rubber / 5 / Steel |
| Performances | | | |
| Ground Speed - Single Speed | | 9.30 km/h | 6 mph |
| Ground Speed - Two Speed | | 13.20 km/h | 8 mph |
| Drawbar Pull/Tractive Effort | | 5792 kg | 12769 lb |
| Bucket Breakout - Tilt Cylinder | | 3803 kg | 8384 lb |
| Bucket Breakout - Lift Cylinder | | 3373 kg | 7436 lb |
| Engine | | | |
| Engine brand | | Deutz | Deutz |
| Engine model | | TD 3.6 | TD 3.6 |
| Motor Type | | Axial Piston with Planetary Gear Box Reduction | Axial Piston with Planetary Gear Box Reduction |
| Gross Power / Power | | 55.40 kW @ 2300 rpm | 55.40 kW @ 2300 rpm |
| Net Power / Power | | 52.70 kW / 2300 rpm | 52.70 kW / 2300 rpm |
| Battery voltage | | 12 V | 12 V |
| Cold Cranking Amps at Temperature (CCA) | | 950 A | 950 A |
| Alternator - Voltage / Ampere | | 14 V / 95 A | 14 V / 95 A |
| Hydraulics | | | |
| Standard flow - Auxiliary hydraulics | | 94.30 l/min | 25 US gpm |
| Tank capacities | | | |
| Oil Pan Capacity | | 8.50 l | 2 US gal |
| Hydraulic tank capacity | | 52.20 l | 14 US gal |
| Fuel tank | | 91 l | 24 US gal |
| Coolant system capacity | | 19.30 l | 5 US gal |
| Displacement / Number of cylinders | | 3.60 l / 4 | 0.95 US gal / 4 |
| Miscellaneous | | | |
| Ground Pressure | | 0.37 bar | 5 PSI |

2500RT NXT3 - Dimensional drawing



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

Engine Auto-Shutdown System

Standard

Glowplugs Starts Assist

Standard

Two-Speed Hydrostatic Drive System

Standard

Operator station

Air suspension seat

Optional

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

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

Tilt-out Foot Pod

Standard



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