

Technical sheet :

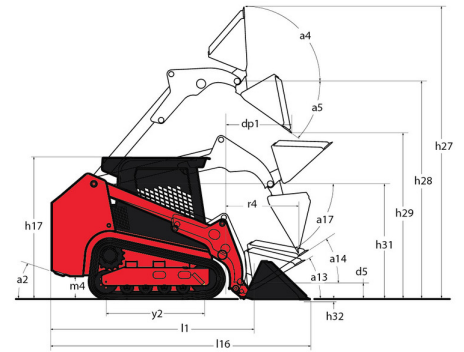
1750RT NXT3



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity	Q	2268 kg	5000 lb
Operating Weight		3903 kg	8605 lb
Unladen weight		3903 kg	8605 lb
Operating Capacity at 35% Tipping Load		794 kg	1750 lb
Operating Capacity At 50% Tipping Load		1134 kg	2500 lb
Tipping capacity		2268 kg	5000 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	40.20 °	40.20 °
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	2103 mm	83 in
Overall length with bucket	l16	3658 mm	144 in
Overall Length without Bucket	l1	2814 mm	111 in
Specified Height	h31	1715 mm	68 in
Reach at Specified Height	r4	790 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	23 mm	0.91 in
Angle of Departure with STD Counterweight		30.40 °	30.40 °
Ground clearance	m4	333 mm	13 in
Track gauge	b10	1313 mm	52 in
Track Shoe Width	b20	320 mm	13 in
Crawler base	y2	1392 mm	55 in
Overall width less bucket	b1	1636 mm	64 in
Bucket Width	e1	1674 mm	66 in
Clearance Radius - Front with Bucket	b18	2322 mm	91 in
Clearance Circle - Rear	wa1	1577 mm	62 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 / 4 / Steel	Rubber / 4 / Steel
Performances			
Ground Speed - Single Speed		8.50 km/h	5 mph
Ground Speed - Two Speed		12.40 km/h	8 mph
Drawbar Pull/Traction Effort		4498 kg	9916 lb
Bucket Breakout - Tilt Cylinder		2429 kg	5355 lb
Bucket Breakout - Lift Cylinder		2275 kg	5016 lb
Engine			
Engine brand		Yanmar	Yanmar
Engine model		4TNV98C-NMSL	4TNV98C-NMSL
Motor Type		Axial Piston with Planetary Gear Box Reduction	Axial Piston with Planetary Gear Box Reduction
Gross Power / Power		51.70 kW @ 2500 rpm	51.70 kW @ 2500 rpm
Net Power / Power		51 kW / 2500 rpm	51 kW / 2500 rpm
Max. torque		242.70 Nm	179 ft/lbs
Battery voltage		12 V	12 V
Cold Cranking Amps at Temperature (CCA)		850 A	850 A
Alternator - Voltage / Ampere		14 V / 95 A	14 V / 95 A
Hydraulics			
Standard flow - Auxiliary hydraulics		70 l/min	18 US gpm
Tank capacities			
Oil Pan Capacity		10.40 l	3 US gal
Hydraulic tank capacity		41.60 l	11 US gal
Fuel tank		91 l	24 US gal
Coolant system capacity		13.30 l	4 US gal
Displacement / Number of cylinders		3.30 l / 4	0.87 US gal / 4
Miscellaneous			
Ground Pressure		0.43 bar	6 PSI

1750RT 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

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

Selectable Control Pattern Configuration (ISO / Dual-Hand)

Optional

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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