Technical sheet :



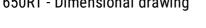


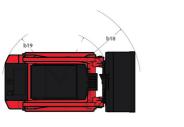


1650RT Created on September 10, 2025 at 10:37 AM UTC

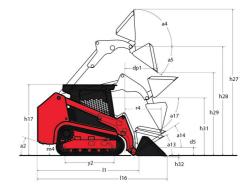
	1650RT Created on September 10, 2025 at 10.37 AM
Capacities	Metric
Operating Weight	3638 kg
Unladen weight	3638 kg
Operating Capacity at 35% Tipping Load	748 kg
Operating Capacity At 50% Tipping Load	1069 kg
Tipping capacity	2139 kg
Weight and dimensions	
Overall Operating Height - Fully Raised	h27 4008 mm
Height to Hinge Pin - Fully Raised	h28 3038 mm
Dump reach - Full height	r6 641 mm
Dump angle at full height	a5 39 °
Dump Height - Fully Raised	h29 2329 mm
Maximum Rollback Angle - Fully Raised	a4 98 °
Overall Height to top of ROPS	h17 1969 mm
Overall length with bucket	l16 3205 mm
Overall Length without Bucket	l1 2393 mm
Specified Height	h31 1638 mm
Reach at Specified Height	r4 559 mm
Dump angle at specified height	a17 73 °
Carry Position	d5 198 mm
Maximum Rollback Angle at Carry Position	a14 28 °
Digging Position	h32 53 mm
Angle of Departure with STD Counterweight	28 °
Ground clearance	m4 185 mm
Track gauge	b10 1356 mm
Track Shoe Width	b20 320 mm
Crawler base	y2 1265 mm
Overall width less bucket	b1 1676 mm
Bucket Width	e1 1676 mm
Clearance Radius - Front with Bucket	b18 1979 mm
Angle of Approach	a3 90 °
Grouser Height	25 mm
Track Type / Track Rollers / Roller Type	Rubber / 3 / Steel
Performances	
Ground Speed - Single Speed	10.50 km/h
Ground Speed - Two Speed	16.10 km/h
Drawbar Pull/Tractive Effort	4345 kg
Bucket Breakout - Tilt Cylinder	1919 kg
Bucket Breakout - Lift Cylinder	2295 kg
Engine	
Engine brand	Yanmar
Engine model	4TNV98C-NMS2
Motor Type	Radial Piston
Gross Power	2500 rpm
Net Power / Power	51 kW / 2500 rpm
Max. torque	241 Nm
I.C. Engine power rating	69.30 Hp
Battery voltage	12 V
Cold Cranking Amps at Temperature (CCA)	950 A
Alternator - Voltage / Ampere	12 V / 100 A
Hydraulics	
Standard flow - Auxiliary hydraulics	71 l/min
Tank capacities	
Oil Pan Capacity	91
Hydraulic tank capacity	39
Fuel tank	62.50
Liquid cooling tank volume	12.90
Displacement / Number of cylinders	3.30 / 4
Miscellaneous	
Ground Pressure	0.45 bar

1650RT - Dimensional drawing









Equipment

Lifting function	Standard
All-Tach® Attachment Mounting System	
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
Servo-Controlled Hydrostatic Drive	Standard
Two-Speed Hydrostatic Drive System	Standard
Operator station	
Air suspension seat	Optional
Foot Throttle	Standard
Full-Suspension Seat	Standard
Multi-Function Display Screen	Standard
Pressurized Cab Enclosure with A/C	Optional
Rearview Camera	Optional
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	Optional
Easy Manager	Standard
Engine Alert System with Error Display	Standard
Mechanical Lift Cylinder Lock	Standard



Head Office B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes