Technical sheet :







	1650RT	Created
Capacities		
Operating Weight		
Unladen weight		
Operating Capacity at 35% Tipping Load		
Operating Capacity At 50% Tipping Load		
Tipping capacity		
Weight and dimensions		
Overall Operating Height - Fully Raised	h27	
Height to Hinge Pin - Fully Raised	h28	
Dump reach - Full height	rб	
Dump angle at full height	a5	
Dump Height - Fully Raised	h29	
Maximum Rollback Angle - Fully Raised	a4	
Overall Height to top of ROPS	h17	
Overall length with bucket	116	
Overall Length without Bucket	11	
Specified Height	h31	
Reach at Specified Height	r4	
Dump angle at specified height	a17	
Carry Position	d5 a14	
Maximum Rollback Angle at Carry Position Digging Position	h32	
Angle of Departure with STD Counterweight	1152	
Ground clearance	m4	
Track gauge	b10	
Track Shoe Width	b20	
Crawler base	y2	
Overall width less bucket	b1	
Bucket Width	e1	
Clearance Radius - Front with Bucket	b18	
Angle of Approach	a3	
Grouser Height		
Track Type / Track Rollers / Roller Type		
Performances		
Ground Speed - Single Speed		
Ground Speed - Two Speed		
Drawbar Pull/Tractive Effort		
Bucket Breakout - Tilt Cylinder		
Bucket Breakout - Lift Cylinder		
Engine		
Engine brand		
Engine model		
Motor Type		
Gross Power / Power		
Net Power / Power		
Max. torque		
I.C. Engine power rating		
Battery voltage		
Cold Cranking Amps at Temperature (CCA)		
Alternator - Voltage / Ampere		
Hydraulics		
Standard flow - Auxiliary hydraulics		
Tank capacities		
Oil Pan Capacity		
Hydraulic tank capacity		
Fuel tank Liguid cooling tank volume		
Liquid cooling tank volume Displacement / Number of cylinders		
Displacement / Number of cylinders Miscellaneous		
Ground Pressure		
viculu ressue		

1650RT Created on July 23, 2025 at 3:50 PM UTC

Metric 3638 kg 3638 kg

748 kg 1069 kg

2139 kg 4008 mm 3038 mm

641 mm

39 °

2329 mm 98 °

1969 mm

3205 mm

2393 mm

1638 mm

559 mm

73 °

198 mm 28 °

53 mm 28 °

185 mm 1356 mm

320 mm

1265 mm

1676 mm 1676 mm

1979 mm 90 °

25 mm Rubber / 3 / Steel 10.50 km/h 16.10 km/h 4345 kg

1919 kg

2295 kg Yanmar

4TNV98C-NMS2

Radial Piston 51.70 kW @ 2500 rpm

51 kW / 2500 rpm

241 Nm

69.30 Hp 12 V

950 A

12 V / 100 A

71 l/min 9 l 39 l

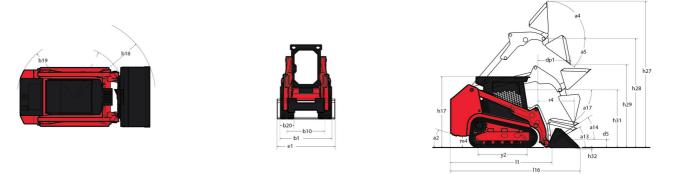
62.50 I

12.90 l

3.30 | / 4

0.45 bar

1650RT - 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
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