Technical sheet :







	1650RT	Cleate
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	гб	
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	
Maximum Rollback Angle at Carry Position	a14	
Digging Position	h32	
Angle of Departure with STD Counterweight		
Ground clearance	m4	
Track gauge	b10	
Track Shoe Width	b20	
Crawler base	y2 b1	
Overall width less bucket Bucket Width	e1	
Clearance Radius - Front with Bucket	b18	
Angle of Approach	a3	
Grouser Height	a3	
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		
Liquid cooling tank volume		
Displacement / Number of cylinders		
Miscellaneous		
Ground Pressure		

тезокт Created on July 24, 2025 at 3:37 AM 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

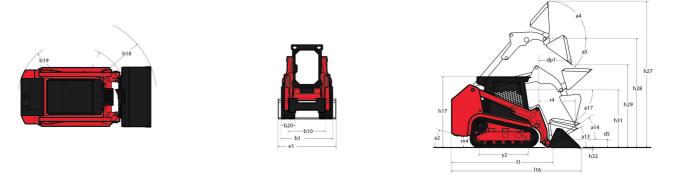
62.50 I

12.90 l

3.30 | / 4

0.45 bar

## 1650RT - Dimensional drawing



## Equipment

Auxiliary Hydraulics         Standard           Electronic Attachment Control - 14-Pin Connector         Optional           eaeTrax® automatic track tensioning system         Optional           over A-Tach® Attachment Mounting System         Optional           over A-Tach® Attachment Mounting System         Optional           Optional         Standard           Optional         Standard           Optional         Standard           Optional         Standard           Dual-Element Air Cleaner with Indicator         Standard           Standard         Standard           Prescriptation         Standard           WithFunction Display Streen         Standard           Prescriptation         Standard           Standard         Standard           Standard         Standard           Standard         Standard           Standard         Standard <th>.ifting function</th> <th>Standard</th>	.ifting function	Standard
Electronic Attachment Control - 14-Pin Connector     Optional       tigh-Flow Auxillary Hydraulics     Optional       dealTrax® automatic track tensioning system     Optional       dower-A-Tach® Attachment Mounting System     Optional       dower-A-Tach® Attachment Mounting System     Optional       combination Radiator & Hydraulic Oil Cooler     Standard       Dual-Element Air Cleaner with Indicator     Standard       Single Auto-Shutdown System     Standard       Storbudowt System     Standard       Voro-Speed Hydrostatic Drive System     Standard       Voro Speed Hydrostatic Drive System     Standard       Standard     Standard       Voro Throttle     Standard       Standard     Standard		
High-Flow Auxiliary HydraulicsOptionaldealTrax@ automatic track tensioning systemOptionalPower-A-Tach@ Attachment Mounting SystemOptionalMotorization/PowerStandardCombination Radiator & Hydraulic Oil CoolerStandardDual-Element Air Cleaner with IndicatorStandardEngine Auto-Shutdown SystemStandardServo-Controlled Hydrostatic DriveStandardOptionalStandardOptional traits & sisistStandardOptional traits & sisistStandardOptional traits & SystemStandardOptional traits & SystemStandardPersutrized Cab Enclosure with A/COptionalRearview CameraOptionalOptional StandardStandardSystep System StandardStandardStandard Sing Side WindowsStandardSectable Self-Leveling Hydraulic Lift Action 4OptionalPerunaticsStandardSingle Flange Front/Dual Flange Rear IdlersStandardSecondary functionsStandardConterweightStandardDecicated UndercarriageStandardSecondary func		
dealTrax@ automatic track tensioning system     Standard       Power.A.Tach® Attachment Mounting System     Optional       Motoization/Power     Standard       Combination Radiator & Hydraulic Oil Cooler     Standard       Dual-Element Air Cleaner with Indicator     Standard       Glowplugs Starts Assist     Standard       Sero-Controlled Hydrostatic Drive     Standard       Detrator station     Standard       Two-Speed Hydrostatic Drive System     Optional       Operator station     Standard       Fit suspension seat     Optional       Foot Throttle     Standard       Foot Throttle     Standard       Pressurized Cab Enclosure with A/C     Optional       RosyFoOPS Level II Overhead Guard     Standard       Standard     Standard       Standard     Optional       RosyFoOPS Level II Overhead Guard     Standard       Standard     Standard       Standard     Optional       Robertor Statu     Optional       Standard     Standard       Standard     Standard       Optional     Standard       Standard     Standard       Optional     Standard       Standard     Standard       Standard     Standard       Standard     Standard		
PowerA-Tach@ Attachment Mounting System         Optional           Motorization/Power         Standard           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         Standard           Foot Throttle         Standard           Foot Throttle         Standard           Foot Throttle         Standard           Pressurized Cab Enclosure with A/C         Optional           Rearview Camera         Optional           RoPs/FOPS Level II Overhead Guard         Standard           Standard         Standard     <		
Motorization/Power     Standard       Combination Radiator & Hydraulic Oil Cooler     Standard       Dual-Element Air Cleaner with Indicator     Standard       Engine Auto-Shutdown System     Standard       Glowplugs Starts Assist     Standard       Standard     Optional       Air suspension seat     Optional       Foot Throttle     Standard       Full-Suspension Seat     Optional       Multi-Function Display Screen     Standard       Pressurized Cab Enclosure with A/C     Optional       Rearview Camera     Optional       ROPs/FOPS Level II Overhead Guard     Standard       Standard     Standard <td></td> <td></td>		
Combination Radiator & Hydraulic Oil CoolerStandardDual-Element Air Cleaner with IndicatorStandardEngine Auto-Shutdown SystemStandardGlowplugs Starts AssistStandardServo-Controlled Hydrostatic DriveStandardTwo-Speed Hydrostatic Drive SystemStandardOpperator stationOptionalAir suspension seatOptionalFoot ThrottleStandardFull-Suspension SeatStandardMulti-Function Display ScreenStandardPressurized Cab Enclosure with A/COptionalRearview CameraOptionalSwing-out Cab DoorStandardStandardStandardStandardStandardStandardOptionalRearview CameraOptionalSwing-out Cab DoorStandardS		Optional
Dual-Element Air Cleaner with IndicatorStandardEngine Auto-Shutdown SystemStandardGlowplugs Starts AssistStandardServo-Controlled Hydrostatic DriveStandardTwo-Speed Hydrostatic Drive SystemStandardOperator stationOptionalAir suspension seatOptionalFoot ThrottleStandardFull-Suspension SeatStandardMulti-Function Display ScreenStandardPressurized Cab Enclosure with A/COptionalReariew CameraOptionalROPS/FOPS Level II Overhead GuardStandardOptionalPreumaticsStandardRubber Track Undercarriage SystemStandardStandardStandardScondary functionsStandardSecondary functionsStandardSecurityStandardAnti-Yandalism Lock ProvisionsStandardStandardStandardStandardStandardStandardStandardStandard<		Standard
Engine Auto-Shutdown System     Standard       Glowplugs Starts Assist     Standard       Glowplugs Starts Assist     Standard       Servo-Controlled Hydrostatic Drive     Standard       Two-Speed Hydrostatic Drive System     Standard       Operator station     Standard       Air suspension seat     Optional       Foot Throttle     Standard       Foot Throttle     Standard       Wulti-Function Display Screen     Standard       Pressurized Cab Enclosure with A/C     Optional       Rearview Camera     Optional       ROPS/FOPS Level II Overhead Guard     Standard       Stindard     Standard       Swing-out Cab Door     Standard       Other options     Standard       Selectable Self-Leveling Hydraulic Lift Action 4     Optional       Preumatics     Standard       Rubber Track Undercarriage System     Standard       Single Flange Front/Dual Flange Rear Idlers     Standard       Secondary functions     Standard       Counterweight     Standard       Dedicated Undercarriage     Standard       Standard     Standard       Standard     Standard       Standard     Standard       Standard     Standard       Standard     Standard       Standard <t< td=""><td>•</td><td></td></t<>	•	
Glowplugs Starts AssistStandardServo-Controlled Hydrostatic DriveStandardTwo-Speed Hydrostatic Drive SystemStandardOperator stationStandardAir suspension seatOptionalFoot ThrottleStandardFull-Suspension SeatStandardWult-Function Display ScreenStandardPressurized Cab Enclosure with A/COptionalReaview CameraOptionalROPS/FOPS Level II Overhead GuardStandardS		
Structure         Standard           Structure         Standard           Operator station         Standard           Air suspension seat         Optional           Foot Throttle         Standard           Full-Suspension Seat         Standard           Multi-Function Display Screen         Standard           Pressurized Cab Enclosure with A/C         Optional           RopS/FOPS Level II Overhead Guard         Standard           Sting-Suite Standard         Standard           Sting-Suite Standard         Standard           Standard         Optional           Reaview Camera         Optional           RopS/FOPS Level II Overhead Guard         Standard           Sting-Suite Standard         Standard		
Wo-Speed Hydrostatic Drive System     Standard       Operator station     Optional       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       Sting-out Cab Door     Standard       Other options     Standard       Selectable Self-Leveling Hydraulic Lift Action 4     Optional       Pneumatics     Standard       Rubber Track Undercarriage System     Standard       Single Flange Front/Dual Flange Rear Idlers     Standard       Secondary functions     Standard       Security     Standard       Anti-Vandalism Lock Provisions     Standard       Back-Up Alarm     Optional       Easy Manager     Standard		
Operator station       Optional         Air suspension seat       Optional         Foot Throttle       Standard         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         Stiding Side Windows       Standard         Swing-out Cab Door       Standard         Other options       Standard         Selectable Self-Leveling Hydraulic Lift Action 4       Optional         Pneumatics       Optional         Rescondary functions       Standard         Single Flange Front/Dual Flange Rear Idlers       Standard         Secondary functions       Standard         Counterweight       Standard         Dedicated Undercarriage       Standard         Security       Standard         Anti-Vandalism Lock Provisions       Standard         Back-Up Alarm       Optional         Easy Manager       Standard         Engine Alert System with Error Display       Standard	•	
Air suspension seatOptionalFoot ThrottleStandardFoot ThrottleStandardFull-Suspension SeatStandardMulti-Function Display ScreenStandardPressurized Cab Enclosure with A/COptionalRearview CameraOptionalROPS/FOPS Level II Overhead GuardStandardStiding Side WindowsStandardSwing-out Cab DoorStandardOther optionsStandardSelectable Self-Leveling Hydraulic Lift Action 4OptionalPneumaticsOptionalSingle Flange Front/Dual Flange Rear IdlersStandardSecondary functionsStandardCounterweightStandardDedicated UndercarriageStandardSecurityStandardAnti-Vandalism Lock ProvisionsStandardBack-Up AlarmOptionalEngine Alert System with Error DisplayStandardEngine Alert System with Fror DisplayStandard		Stalitait
Foot ThrottleStandardFoot ThrottleStandardFull-Suspension SeatStandardMulti-Function Display ScreenOptionalPressurized Cab Enclosure with A/COptionalRearview CameraOptionalROPS/FOPS Level II Overhead GuardStandardSiding Side WindowsStandardSwing-out Cab DoorStandardOther optionsStandardSelectable Self-Leveling Hydraulic Lift Action 4OptionalPneumaticsOptionalRubber Track Undercarriage SystemStandardSingle Flange Front/Dual Flange Rear IdlersStandardSecondary functionsStandardCounterweightStandardDedicated UndercarriageStandardSecutifyStandardSacutify functionsStandardSecutifyStandardShandardStandardSecutifyStandardSecutifyStandardBack-Up AlarmOptionalEasy ManagerStandardEngine Alert System with Error DisplayStandard		Ontional
Standard     Standard       Multi-Function Display Screen     Standard       Pressurized Cab Enclosure with A/C     Optional       Reaview Camera     Optional       ROPS/FOPS Level II Overhead Guard     Standard       Stiding Side Windows     Standard       Swing-out Cab Door     Standard       Other options     Standard       Selectable Self-Leveling Hydraulic Lift Action 4     Optional       Preumatics     Optional       Rubber Track Undercarriage System     Standard       Single Flange Front/Dual Flange Rear Idlers     Standard       Secondary functions     Standard       Counterweight     Standard       Dedicated Undercarriage     Standard       Security     Standard       Standard     Standard       Security     Standard       Security     Standard       Security     Standard       Standard     Standard       Security     Standard       Back-Up Alarm	•	
Multi-Function Display Screen     Standard       Pressurized Cab Enclosure with A/C     Optional       Rearview Camera     Optional       ROPS/FOPS Level II Overhead Guard     Standard       Stiding Side Windows     Standard       Swing-out Cab Door     Standard <b>Other options</b> Standard       Selectable Self-Leveling Hydraulic Lift Action 4     Optional       Pneumatics     Optional       Rubber Track Undercarriage System     Standard       Single Flange Front/Dual Flange Rear Idlers     Standard       Secondary functions     Standard       Counterweight     Standard       Dedicated Undercarriage     Standard       Security     Standard       Anti-Vandalism Lock Provisions     Standard       Back-Up Alarm     Optional       Easy Manager     Standard       Engine Alert System with Error Display     Standard		
Pressurized Cab Enclosure with A/C     Optional       Reaview Camera     Optional       ROPS/FOPS Level II Overhead Guard     Standard       Sliding Side Windows     Standard       Swing-out Cab Door     Standard       Other options     Standard       Selectable Self-Leveling Hydraulic Lift Action 4     Optional       Preumatics     Optional       Rubber Track Undercarriage System     Standard       Single Flange Front/Dual Flange Rear Idlers     Standard       Secondary functions     Standard       Counterweight     Standard       Dedicated Undercarriage     Standard       Security     Standard       Anti-Vandalism Lock Provisions     Standard       Back-Up Alarm     Optional       Engine Alert System with Error Display     Standard	•	
Reaview Camera Optional Optional Standard Standard Standard Standard Standard Standard Standard Standard Standard Optional Optional Optional Optional Pneumatics Standard Stan		
ROPS/FOPS Level II Overhead Guard     Standard       Sliding Side Windows     Standard       Swing-out Cab Door     Standard       Other options     Standard       Selectable Self-Leveling Hydraulic Lift Action 4     Optional       Pneumatics     Standard       Rubber Track Undercarriage System     Standard       Single Flange Front/Dual Flange Rear Idlers     Standard       Secondary functions     Standard       Counterweight     Standard       Dedicated Undercarriage     Standard       Security     Standard       Anti-Vandalism Lock Provisions     Standard       Back-Up Alarm     Optional       Easy Manager     Standard       Engine Alert System with Error Display     Standard		
Stiding Side WindowsStandardSwing-out Cab DoorStandardOther optionsOthionalSelectable Self-Leveling Hydraulic Lift Action 4OptionalPneumaticsStandardRubber Track Undercarriage SystemStandardSingle Flange Front/Dual Flange Rear IdlersStandardSecondary functionsStandardCounterweightStandardDedicated UndercarriageStandardSecurityStandardAnti-Vandalism Lock ProvisionsStandardBack-Up AlarmOptionalEasy ManagerStandardEngine Alert System with Error DisplayStandard		
Standard     Standard       Other options     Standard       Selectable Self-Leveling Hydraulic Lift Action 4     Optional       Pneumatics     Standard       Rubber Track Undercarriage System     Standard       Single Flange Front/Dual Flange Rear Idlers     Standard       Secondary functions     Standard       Counterweight     Standard       Dedicated Undercarriage     Standard       Security     Standard       Anti-Vandalism Lock Provisions     Standard       Back-Up Alarm     Optional       Easy Manager     Standard       Engine Alert System with Error Display     Standard		
Other options     Optional       Selectable Self-Leveling Hydraulic Lift Action 4     Optional       Pneumatics     Standard       Rubber Track Undercarriage System     Standard       Single Flange Front/Dual Flange Rear Idlers     Standard       Secondary functions     Standard       Counterweight     Standard       Dedicated Undercarriage     Standard       Security     Standard       Anti-Vandalism Lock Provisions     Standard       Back-Up Alarm     Optional       Easy Manager     Standard       Engine Alert System with Error Display     Standard	5	
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	-	Gundud
Pneumatics     Standard       Rubber Track Undercarriage System     Standard       Single Flange Front/Dual Flange Rear Idlers     Standard       Secondary functions     Standard       Counterweight     Standard       Dedicated Undercarriage     Standard       Security     Standard       Anti-Vandalism Lock Provisions     Standard       Back-Up Alarm     Optional       Easy Manager     Standard       Engine Alert System with Error Display     Standard		Ontional
Rubber Track Undercarriage System     Standard       Single Flange Front/Dual Flange Rear Idlers     Standard       Secondary functions     Standard       Counterweight     Standard       Dedicated Undercarriage     Standard       Security     Standard       Anti-Vandalism Lock Provisions     Standard       Back-Up Alarm     Optional       Easy Manager     Standard       Engine Alert System with Error Display     Standard		optional
Single Flange Front/Dual Flange Rear Idlers     Standard       Secondary functions     Standard       Counterweight     Standard       Dedicated Undercarriage     Standard       Security     Standard       Anti-Vandalism Lock Provisions     Standard       Back-Up Alarm     Optional       Easy Manager     Standard       Engine Alert System with Error Display     Standard		Standard
Secondary functions       Standard         Counterweight       Standard         Dedicated Undercarriage       Standard         Security       Standard         Anti-Vandalism Lock Provisions       Standard         Back-Up Alarm       Optional         Easy Manager       Standard         Engine Alert System with Error Display       Standard		
Counterweight     Standard       Dedicated Undercarriage     Standard       Security     Standard       Anti-Vandalism Lock Provisions     Standard       Back-Up Alarm     Optional       Easy Manager     Standard       Engine Alert System with Error Display     Standard		
Dedicated Undercarriage Standard Security Standard Stand	Counterweight	Standard
Security     Standard       Anti-Vandalism Lock Provisions     Standard       Back-Up Alarm     Optional       Easy Manager     Standard       Engine Alert System with Error Display     Standard	Dedicated Undercarriage	Standard
Anti-Vandalism Lock Provisions     Standard       Back-Up Alarm     Optional       Easy Manager     Standard       Engine Alert System with Error Display     Standard	-	
Easy Manager Standard Standard Standard Standard	Anti-Vandalism Lock Provisions	Standard
Easy Manager Standard Standard Standard 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