Technical sheet:

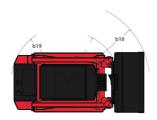
1850RT



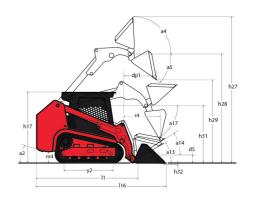


	1850RT Creat	ed on 24 November 2024 at 12:23 AM l
Capacities		Metric
Max. capacity	Q	2398 kg
Operating Weight		4128 kg
Inladen weight		4128 kg
Operating Capacity at 35% Tipping Load		839 kg
Operating Capacity At 50% Tipping Load		1199 kg
Tipping capacity		2398 kg
Veight and dimensions		2000 kg
Overall Operating Height - Fully Raised	h27	4267 mm
leight to Hinge Pin - Fully Raised	h28	3251 mm
· · · · ·		
Dump reach - Full height	r6	876 mm
Dump angle at full height	a5	40.20 °
Oump Height - Fully Raised	h29	2489 mm
Maximum Rollback Angle - Fully Raised	a4	102.50 °
Overall Height to top of ROPS	h17	2103 mm
Overall length with bucket	I16	3754 mm
Overall Length without Bucket	l1	2921 mm
Specified Height	h31	1715 mm
leach at Specified Height	r4	790 mm
ump angle at specified height	a17	66.80 °
Carry Position	d5	208 mm
Maximum Rollback Angle at Carry Position	a14	31.60 °
Digging Position	h32	23 mm
Angle of Departure with STD Counterweight		30.40 °
Ground clearance	m4	318 mm
rack gauge	b10	1313 mm
rack Shoe Width	b20	320 mm
Crawler base	y2	1392 mm
Overall width less bucket	b1	1636 mm
Bucket Width	e1	1674 mm
Clearance Radius - Front with Bucket	b18	2322 mm
		90 °
Angle of Approach	a3	
Grouser Height		25 mm
rack Type / Track Rollers / Roller Type		Rubber / 4 / Steel
Performances		
Ground Speed - Single Speed		9.50 km/h
Ground Speed - Two Speed		14.20 km/h
Orawbar Pull/Tractive Effort		4635 kg
lucket Breakout - Tilt Cylinder		2429 kg
Bucket Breakout - Lift Cylinder		2275 kg
ingine		
Engine brand		Yanmar
Engine model		4TNV98C-NMSL
Motor Type		Axial Piston with Planetary Gear Box Reduction
Gross Power / Power		51.70 kW @ 2500 rpm
let Power / Power		51 kW / 2500 rpm
Max. torque		241 Nm
C. Engine power rating		69.30 Hp
lattery voltage		12 V
old Cranking Amps at Temperature (CCA)		850 A
Itemator - Voltage / Ampere		14 V / 100 A
ank capacities		14 4 / 100 V
		10.40 l
ill Pan Capacity		10.40
lydraulic tank capacity		41.60
uel tank		91
iquid cooling tank volume		13.30 l
Displacement / Number of cylinders		3.30 / 4
Miscellaneous		

1850RT - Dimensional drawing







Equipment

Auxiliary Hydraulics Electronic Attachment Control - 14-Pin Connector High-Flow Auxiliary Hydraulics Op IdealTrax® automatic track tensioning system Power-A-Tach® Attachment Mounting System Op Motorization/Power Combination Radiator & Hydraulic Oil Cooler Dual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Sta Glowplugs Starts Assist Two-Speed Hydrostatic Drive System Operator station	andard andard ptional andard ptional andard andard andard andard andard andard andard
Electronic Attachment Control - 14-Pin Connector High-Flow Auxiliary Hydraulics Op IdealTrax® automatic track tensioning system Power-A-Tach® Attachment Mounting System Op Motorization/Power Combination Radiator & Hydraulic Oil Cooler Dual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Sta Glowplugs Starts Assist Two-Speed Hydrostatic Drive System Operator station	ptional ptional andard ptional andard andard andard andard
High-Flow Auxiliary Hydraulics Op IdealTrax® automatic track tensioning system Sta Power-A-Tach® Attachment Mounting System Op Motorization/Power Combination Radiator & Hydraulic Oil Cooler Sta Dual-Element Air Cleaner with Indicator Sta Engine Auto-Shutdown System Sta Glowplugs Starts Assist Sta Two-Speed Hydrostatic Drive System Sta Operator station	ptional andard ptional andard andard andard andard andard
IdealTrax® automatic track tensioning system Power-A-Tach® Attachment Mounting System Op Motorization/Power Combination Radiator & Hydraulic Oil Cooler Sta Dual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Glowplugs Starts Assist Two-Speed Hydrostatic Drive System Operator station	andard ptional andard andard andard andard andard
Power-A-Tach® Attachment Mounting System Motorization/Power Combination Radiator & Hydraulic Oil Cooler Dual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Glowplugs Starts Assist Two-Speed Hydrostatic Drive System Operator station	ptional andard andard andard andard
Motorization/Power Combination Radiator & Hydraulic Oil Cooler Dual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Glowplugs Starts Assist Two-Speed Hydrostatic Drive System Operator station	andard andard andard andard
Combination Radiator & Hydraulic Oil Cooler Dual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Sta Glowplugs Starts Assist Two-Speed Hydrostatic Drive System Operator station	andard andard andard
Dual-Element Air Cleaner with Indicator Engine Auto-Shutdown System Sta Glowplugs Starts Assist Two-Speed Hydrostatic Drive System Sta Operator station	andard andard andard
Engine Auto-Shutdown System Sta Glowplugs Starts Assist Sta Two-Speed Hydrostatic Drive System Sta Operator station	andard andard
Glowplugs Starts Assist Sta Two-Speed Hydrostatic Drive System Sta Operator station	andard
Two-Speed Hydrostatic Drive System Sta Operator station	
Operator station	andard
•	
Air suspension seat Op	
	ptional
Foot Throttle Sta	andard
Full-Suspension Seat Sta	andard
IdealAccess™ Fold-Up Door Op	ptional
Multi-Function Display Screen Sta	andard
Pressurized Cab Enclosure with A/C Op	ptional
Rearview Camera Sta	andard
ROPS/FOPS Level II Overhead Guard Sta	andard
Sliding Side Windows Sta	andard
Swing-out Cab Door Sta	andard
Other options Control of the Control	
Selectable Self-Leveling Hydraulic Lift Action 4 Op	ptional
Pneumatics	
Rubber Track Undercarriage System Sta	andard
Single Flange Front/Dual Flange Rear Idlers Sta	andard
Secondary functions	
Counterweight Sta	andard
Dedicated Undercarriage Sta	andard
Security	
Anti-Vandalism Lock Provisions Sta	andard
Back-Up Alarm Sta	andard
Easy Manager Sta	andard
Engine Alert System with Error Display Sta	andard
Mechanical Lift Cylinder Lock Sta	andard
Tilt-out Foot Pod Sta	andard





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