Technical sheet:

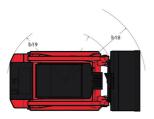
## **1850RT**



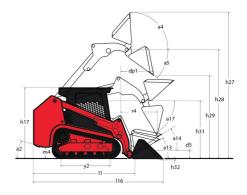


	<b>1850RT</b> Created on April 24, 2024 at 6:12:34 l	PM UT
Capacities	Metric	
Max. capacity	Q 2398 kg	
Operating Weight	4128 kg	
Unladen weight	4128 kg	
Operating Capacity at 35% Tipping Load	839 kg	
Operating Capacity At 50% Tipping Load	1199 kg	
Tipping capacity	2398 kg	
Weight and dimensions		
Overall Operating Height - Fully Raised	h27 4267 mm	
Height to Hinge Pin – Fully Raised	h28 3251 mm	
Dump reach - Full height	r6 876 mm	
Dump angle at full height	a5 40.20 °	
Dump Height - Fully Raised	h29 2489 mm	
	a4 102.50 °	
Maximum Rollback Angle - Fully Raised		
Overall Height to top of ROPS	h17 2103 mm	
Overall length with bucket	116 3754 mm	
Overall Length without Bucket	l1 2921 mm	
Specified Height	h31 1715 mm	
Reach at Specified Height	r4 790 mm	
Dump angle at specified height	a17 66.80 °	
Maximum Rollback Angle at Ground	a13 30 °	
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	
Track gauge	b10 1313 mm	
Track 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	
Clearance Circle - Rear	wa1 1666 mm	
Maximum rollback at specified height	66.80 °	
Angle of Approach	a3 90°	
Grouser Height	25 mm	
Track 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	
Drawbar Pull/Tractive Effort	4635 kg	
Bucket Breakout - Tilt Cylinder	2429 kg	
Bucket Breakout - Lift Cylinder	2275 kg	
Engine	2270 kg	
Engine brand	Yanmar	
Engine model	4TNV98C-NMSL	
Motor Type		uotion
Gross Power / Power	Axial Piston with Planetary Gear Box Redu	ucuon
	51.70 kW @ 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)	850 A	
Alternator - Voltage / Ampere	14 V / 100 A	
Tank capacities		
Dil Pan Capacity	10.40 l	
Hydraulic tank capacity	41.60 l	
Fuel tank	911	
Coolant system capacity	13.30 l	
Displacement / Number of cylinders	3.30 1 / 4	
Miscellaneous		
Ground Pressure	0.43 bar	

## 1850RT - Dimensional drawing

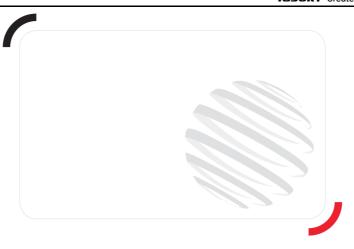






## **Equipment**

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
Two-Speed Hydrostatic Drive System	Standard
Operator station	
Air suspension seat	Optional
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
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	Standard
Easy Manager	Standard
Engine Alert System with Error Display	Standard
Mechanical Lift Cylinder Lock	Standard
Tilt-out Foot Pod	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