Technical sheet :



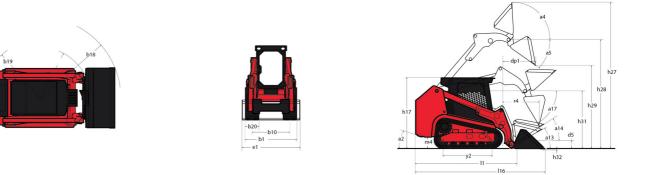




	1850RT (Created on May 18, 2024 at 6:17:19 PM U
Capacities		Metric
Max. capacity	Q	2398 kg
Operating Weight		4128 kg
Jnladen weight		4128 kg
Dperating Capacity at 35% Tipping Load		839 kg
perating Capacity At 50% Tipping Load		1199 kg
ipping capacity		2398 kg
Veight and dimensions		2390 kg
	h27	4267 mm
Iverall Operating Height - Fully Raised		
leight to Hinge Pin – Fully Raised	h28	3251 mm
Dump reach - Full height	гб	876 mm
Dump angle at full height	a5	40.20 °
Dump Height - Fully Raised	h29	2489 mm
Aaximum Rollback Angle - Fully Raised	a4	102.50 °
Overall Height to top of ROPS	h17	2103 mm
verall length with bucket	116	3754 mm
Iverall Length without Bucket	l1	2921 mm
pecified Height	h31	1715 mm
each at Specified Height	r4	790 mm
ump angle at specified height	a17	66.80 °
Aaximum Rollback Angle at Ground	a13	30 °
Carry Position	d5	208 mm
Aaximum Rollback Angle at Carry Position	a14	31.60 °
Digging Position	h32	23 mm
Angle of Departure with STD Counterweight		30.40 °
Sround clearance	m4	318 mm
rack gauge	b10	1313 mm
rack Shoe Width	b20	320 mm
Srawler base	y2	1392 mm
Dverall width less bucket	b1	1636 mm
Bucket Width	e1	1674 mm
		2322 mm
Clearance Radius - Front with Bucket	b18	
Clearance Circle - Rear	wa1	1666 mm
Aaximum rollback at specified height		66.80 °
Angle of Approach	a3	90 °
Grouser Height		25 mm
rack Type / Track Rollers / Roller Type		Rubber / 4 / Steel
Performances		
Ground Speed - Single Speed		9.50 km/h
round Speed - Two Speed		14.20 km/h
rawbar Pull/Tractive Effort		4635 kg
ucket Breakout - Tilt Cylinder		2429 kg
Bucket Breakout - Lift Cylinder		2275 kg
ingine		
ingine brand		Yanmar
ingine model		4TNV98C-NMSL
fotor Type		Axial Piston with Planetary Gear Box Reduction
Sross Power / Power		51.70 kW @ 2500 rpm
let Power		51 kW / 2500 rpm
fax. torque		241 Nm
C. Engine power rating		69.30 Hp
attery voltage		12 V
old Cranking Amps at Temperature (CCA)		850 A
Itemator - Voltage / Ampere		14 V / 100 A
ank capacities		
lil Pan Capacity		10.40 l
lydraulic oil tank capacity		41.60 I
uel tank		91 I
Coolant system capacity		13.30 l
Displacement / Number of cylinders		3.30 / 4
		0.00171

	Metric	
	2398 kg	
	4128 kg	
	4128 kg	
	839 kg	
	1199 kg	
	2398 kg	
	4267 mm	
	3251 mm	
	876 mm	
	40.20 °	
	2489 mm	
	102.50 °	
	2103 mm	
	3754 mm	
	2921 mm	
	1715 mm	
	790 mm	
	66.80 °	
	30 °	
	208 mm	
	31.60 °	
	23 mm	
	30.40 °	
	318 mm	
	1313 mm	
	320 mm	
	1392 mm	
	1636 mm	
	1674 mm	
	2322 mm	
	1666 mm	
	66.80 °	
	90 °	
	25 mm	
	Rubber / 4 / Steel	
	9.50 km/h	
14.20 km/h		
	4635 kg	
	2429 kg	
	2275 kg	
	Yanmar	
	4TNV98C-NMSL	
	Axial Piston with Planetary Gear Box Reduction 51.70 kW @ 2500 rpm	
J	51 kW / 2500 rpm	
	241 Nm	
	69.30 Hp	
	12 V	
	850 A	
	14 V / 100 A	
	i + V / IUU A	
	10.40 l	

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