Technical sheet:

## **1050RT**



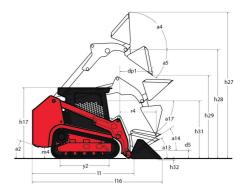


	1050RT Created on December 22, 2024 at 5:35 AM UT
Capacities	Metric
Operating Weight	2141 kg
Unladen weight	1928 kg
Operating Capacity at 35% Tipping Load	476 kg
Operating Capacity At 50% Tipping Load	680 kg
Tipping capacity	1361 kg
Weight and dimensions	
Overall Operating Height - Fully Raised	h27 3650 mm
Height to Hinge Pin - Fully Raised	h28 2769 mm
Dump reach - Full height	r6 673.10 mm
Dump angle at full height	a5 38 °
Dump Height - Fully Raised	h29 2134 mm
Maximum Rollback Angle - Fully Raised	a4 102 °
Overall Height to top of ROPS	h17 1816 mm
Overall length with bucket	l16 2985 mm
Overall Length without Bucket	l1 2258 mm
Specified Height	h31 1466 mm
Reach at Specified Height	r4 991 mm
Dump angle at specified height	a17 72°
Carry Position	d5 127 mm
Maximum Rollback Angle at Carry Position	a14 32°
Digging Position	h32 0 mm
Angle of Departure with STD Counterweight	35 °
Ground clearance	m4 191 mm
Track gauge	b10 1039 mm
Track Shoe Width	b20 250 mm
Crawler base	y2 1283 mm
Overall width less bucket	b1 1290 mm
Bucket Width	e1 1372 mm
Clearance Radius - Front with Bucket	b18 1854 mm
Angle of Approach	a3 90 °
Grouser Height	25 mm
Track Type / Track Rollers / Roller Type	Rubber / 4 / Steel
Performances	
Ground Speed - Single Speed	10.10 km/h
Drawbar Pull/Tractive Effort	1996 kg
Bucket Breakout - Tilt Cylinder	1346 kg
Bucket Breakout - Lift Cylinder	1376 kg
Engine	
Engine brand	Yanmar
Engine model	3TNV88C-KMSV
Motor Type	Radial Piston
Gross Power / Power	25.50 kW @ 2800 pm
Net Power / Power	23.70 kW / 2800 rpm
Max. torque	109.40 Nm
I.C. Engine power rating	34.20 Hp
Battery voltage	12 V
Cold Cranking Amps at Temperature (CCA)	800 A
Alternator - Voltage / Ampere	12 V / 55 A
Hydraulics	
Standard flow - Auxiliary hydraulics	55 l/min
Tank capacities	
Oil Pan Capacity	5.871
Hydraulic tank capacity	301
Fuel tank	361
Liquid cooling tank volume	6.62 l
Displacement / Number of cylinders	1.641/3
Noise and vibration	
Noise to environment (LwA)	101 dB
Noise at driving position (LpA)	85.80 dB
Miscellaneous	
Ground Pressure	0.33 bar

## 1050RT - Dimensional drawing







## **Equipment**

Lifting function	
All-Tach® Attachment Mounting System	Standard
Auxiliary Hydraulics	Standard
IdealTrax® automatic track tensioning system	Standard
Motorization/Power	
Combination Radiator & Hydraulic Oil Cooler	Standard
Dual-Element Air Cleaner with Indicator	Standard
Engine Auto-Shutdown System	Optional
Glowplugs Starts Assist	Standard
Operator station	
Foot Throttle	Standard
Full-Suspension Seat	Optional
Multi-Function Display Screen	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
Secondary functions	
Counterweight	Standard
Dedicated Undercarriage	Standard
Security	
Anti-Vandalism Protection	Standard
Back-Up Alarm	Standard
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