

Technical sheet :

# 1050RT



 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Operating Weight		2141 kg	4720 lb
Unladen weight		1928 kg	4251 lb
Operating Capacity at 35% Tipping Load		476 kg	1049 lb
Operating Capacity At 50% Tipping Load		680 kg	1499 lb
Tipping capacity		1361 kg	3000 lb
Weight and dimensions			
Overall Operating Height - Fully Raised	h27	3650 mm	144 in
Height to Hinge Pin - Fully Raised	h28	2769 mm	109 in
Dump reach - Full height	r6	673.10 mm	26 in
Dump angle at full height	a5	38 °	38 °
Dump Height - Fully Raised	h29	2134 mm	84 in
Maximum Rollback Angle - Fully Raised	a4	102 °	102 °
Overall Height to top of ROPS	h17	1816 mm	71 in
Overall length with bucket	l16	2985 mm	118 in
Overall Length without Bucket	l1	2258 mm	89 in
Specified Height	h31	1466 mm	58 in
Reach at Specified Height	r4	991 mm	39 in
Dump angle at specified height	a17	72 °	72 °
Carry Position	d5	127 mm	5 in
Maximum Rollback Angle at Carry Position	a14	32 °	32 °
Digging Position	h32	0 mm	0 in
Angle of Departure with STD Counterweight		35 °	35 °
Ground clearance	m4	191 mm	8 in
Track gauge	b10	1039 mm	41 in
Track Shoe Width	b20	250 mm	10 in
Crawler base	y2	1283 mm	51 in
Overall width less bucket	b1	1290 mm	51 in
Bucket Width	e1	1372 mm	54 in
Clearance Radius - Front with Bucket	b18	1854 mm	73 in
Angle of Approach	a3	90 °	90 °
Grouser Height		25 mm	0.98 in
Track Type / Track Rollers / Roller Type		Rubber / 4 / Steel	Rubber / 4 / Steel
Performances			
Ground Speed - Single Speed		10.10 km/h	6 mph
Drawbar Pull/Traction Effort		1996 kg	4400 lb
Bucket Breakout - Tilt Cylinder		1346 kg	2967 lb
Bucket Breakout - Lift Cylinder		1376 kg	3034 lb
Engine			
Engine brand		Yanmar	Yanmar
Engine model		3TNV88C-KMSV	3TNV88C-KMSV
Motor Type		Radial Piston	Radial Piston
Gross Power / Power		25.50 kW @ 2800 rpm	25.50 kW @ 2800 rpm
Net Power / Power		23.70 kW / 2800 rpm	23.70 kW / 2800 rpm
Max. torque		109.40 Nm	81 ft/lbs
I.C. Engine power rating		34.20 Hp	34.20 Hp
Battery voltage		12 V	12 V
Cold Cranking Amps at Temperature (CCA)		800 A	800 A
Alternator - Voltage / Ampere		12 V / 55 A	12 V / 55 A
Hydraulics			
Standard flow - Auxiliary hydraulics		55 l/min	15 US gpm
Tank capacities			
Oil Pan Capacity		5.87 l	2 US gal
Hydraulic tank capacity		30 l	8 US gal
Fuel tank		36 l	10 US gal
Liquid cooling tank volume		6.62 l	2 US gal
Displacement / Number of cylinders		1.64 l / 3	0.43 US gal / 3
Noise and vibration			
Noise to environment (LwA)		101 dB	101 dB
Noise at driving position (LpA)		85.80 dB	85.80 dB
Miscellaneous			
Ground Pressure		0.33 bar	5 PSI

<b>Lifting function</b>	
All-Tach® Attachment Mounting System	Standard
Auxiliary Hydraulics	Standard
IdealTrax® automatic track tensioning system	Standard
<b>Motorization/Power</b>	
Combination Radiator & Hydraulic Oil Cooler	Standard
Dual-Element Air Cleaner with Indicator	Standard
Engine Auto-Shutdown System	Optional
Glowplugs Starts Assist	Standard
<b>Operator station</b>	
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
<b>Other options</b>	
Selectable Self-Leveling Hydraulic Lift Action 4	Optional
<b>Pneumatics</b>	
Rubber Track Undercarriage System	Standard
<b>Secondary functions</b>	
Counterweight	Standard
Dedicated Undercarriage	Standard
<b>Security</b>	
Anti-Vandalism Protection	Standard
Back-Up Alarm	Standard
Easy Manager	Standard
Engine Alert System with Error Display	Standard
Mechanical Lift Cylinder Lock	Standard



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