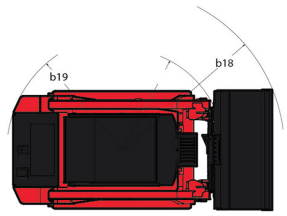
Technical sheet :

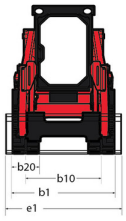
105ORT

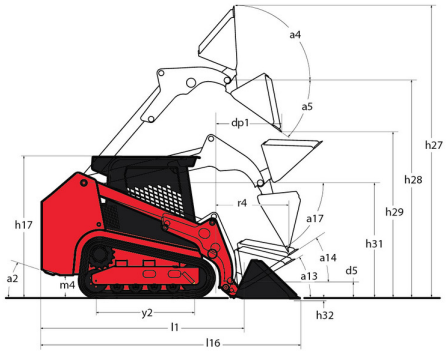
MANITOU
HANDLING YOUR WORLD

Capacities		Imperial
Operating Weight		4720 lb
Unladen weight		4251 lb
Operating Capacity at 35% Tipping Load		1049 lb
Operating Capacity At 50% Tipping Load		1499 lb
Tipping capacity		3000 lb
Weight and dimensions		
Overall Operating Height - Fully Raised	h27	144 in
Height to Hinge Pin - Fully Raised	h28	109 in
Dump reach - Full height	r6	26 in
Dump angle at full height	a5	38 °
Dump Height - Fully Raised	h29	84 in
Maximum Rollback Angle - Fully Raised	a4	102 °
Overall Height to top of ROPS	h17	71 in
Overall length with bucket	l16	118 in
Overall Length without Bucket	l1	89 in
Specified Height	h31	58 in
Reach at Specified Height	r4	39 in
Dump angle at specified height	a17	72 °
Carry Position	d5	5 in
Maximum Rollback Angle at Carry Position	a14	32 °
Digging Position	h32	0 in
Angle of Departure with STD Counterweight		35 °
Ground clearance	m4	8 in
Track gauge	b10	41 in
Track Shoe Width	b20	10 in
Crawler base	y2	51 in
Overall width less bucket	b1	51 in
Bucket Width	e1	54 in
Clearance Radius - Front with Bucket	b18	73 in
Angle of Approach	a3	90 °
Grouser Height		0.98 in
Track Type / Track Rollers / Roller Type		Rubber / 4 / Steel
Performances		
Ground Speed - Single Speed		6 mph
Drawbar Pull/Tractive Effort		4400 lb
Bucket Breakout - Tilt Cylinder		2967 lb
Bucket Breakout - Lift Cylinder		3034 lb
Engine		
Engine brand		Yanmar
Engine model		3TNV88C-KMSV
Motor Type		Radial Piston
Gross Power / Power		25.50 kW @ 2800 rpm
Net Power / Power		23.70 kW / 2800 rpm
Max. torque		81 ft/lbs
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		15 US gpm
Tank capacities		
Oil Pan Capacity		2 US gal
Hydraulic tank capacity		8 US gal
Fuel tank		10 US gal
Liquid cooling tank volume		2 US gal
Displacement / Number of cylinders		0.43 US gal / 3
Noise and vibration		
Noise to environment (LwA)		101 dB
Noise at driving position (LpA)		85.80 dB
Miscellaneous		
Ground Pressure		5 PSI

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

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