

Technical sheet :

2550RT



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity	Q	3305 kg	7286 lb
Operating Weight		5260 kg	11596 lb
Unladen weight		5260 kg	11596 lb
Operating Capacity at 35% Tipping Load		1157 kg	2551 lb
Operating Capacity At 50% Tipping Load		1652 kg	3642 lb
Tipping capacity		3305 kg	7286 lb
Weight and dimensions			
Overall Operating Height - Fully Raised	h27	4267 mm	168 in
Height to Hinge Pin – Fully Raised	h28	3251 mm	128 in
Dump reach - Full height	r6	876 mm	34 in
Dump angle at full height	a5	41 °	41 °
Dump Height - Fully Raised	h29	2489 mm	98 in
Maximum Rollback Angle - Fully Raised	a4	102.50 °	102.50 °
Overall Height to top of ROPS	h17	2111 mm	83 in
Overall length with bucket	l16	4008 mm	158 in
Departure angle	a2	25 °	25 °
Overall Length without Bucket	l1	3221 mm	127 in
Specified Height	h31	1720 mm	68 in
Reach at Specified Height	r4	795 mm	31 in
Dump angle at specified height	a17	66.80 °	66.80 °
Maximum Rollback Angle at Ground	a13	30 °	30 °
Carry Position	d5	208 mm	8 in
Maximum Rollback Angle at Carry Position	a14	31.60 °	31.60 °
Digging Position	h32	13 mm	0.51 in
Angle of Departure with STD Counterweight		25 °	25 °
Ground clearance	m4	313 mm	12 in
Track gauge	b10	1313 mm	52 in
Track Shoe Width	b20	450 mm	18 in
Crawler base	y2	1562 mm	61 in
Overall width less bucket	b1	1765 mm	69 in
Bucket Width	e1	2131 mm	84 in
Clearance Radius - Front with Bucket	b18	2499 mm	98 in
Clearance Circle - Rear	wa1	1796 mm	71 in
Maximum rollback at specified height		66.80 °	66.80 °
Angle of Approach	a3	90 °	90 °
Grouser Height		25 mm	0.98 in
Track Type / Track Rollers / Roller Type		Rubber / 5 / Steel	Rubber / 5 / Steel
Performances			
Ground Speed - Single Speed		8.50 km/h	5 mph
Ground Speed - Two Speed		12.10 km/h	8 mph
Drawbar Pull/Tractive Effort		5649 kg	12454 lb
Bucket Breakout - Tilt Cylinder		3803 kg	8384 lb
Bucket Breakout - Lift Cylinder		3373 kg	7436 lb
Engine			
Engine brand		Deutz	Deutz
Engine model		TD 3.6 L4	TD 3.6 L4
Motor Type		Axial Piston Planetary Gear Box Reduction	Axial Piston Planetary Gear Box Reduction
Gross Power / Power		55.40 kW @ 2300 rpm	55.40 kW @ 2300 rpm
Net Power / Power		52.70 kW / 2300 rpm	52.70 kW / 2300 rpm
Max. torque		330 Nm	243 ft/lbs
I.C. Engine power rating		74.29 Hp	74.29 Hp
Battery voltage		12 V	12 V
Cold Cranking Amps at Temperature (CCA)		950 A	950 A
Alternator - Voltage / Ampere		12 V / 120 A	12 V / 120 A
Hydraulics			
Standard flow - Auxiliary hydraulics		110 l/min	29 US gpm
Tank capacities			
Oil Pan Capacity		8.50 l	2 US gal
Hydraulic tank capacity		52.20 l	14 US gal
Fuel tank		121.10 l	32 US gal
Coolant system capacity		23.10 l	6 US gal
Displacement / Number of cylinders		3.60 l / 4	0.95 US gal / 4
Noise and vibration			
Noise to environment (LWA)		106.10 dB	106.10 dB
Noise at driving position (LpA)		85.80 dB	85.80 dB
Miscellaneous			
Ground Pressure		0.36 bar	5 PSI

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
Elevated Planetary Final Drives	Standard
Engine Auto-Shutdown System	Standard
Glowplugs Starts Assist	Standard
Horsepower Management System	Standard
Two-Speed Hydrostatic Drive System	Standard
Operator station	
Air suspension seat	Optional
Drive Sensitivity Adjustment	Standard
Electro-Hydraulic Joystick Controls	Standard
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
Variable Speed Control, Selectable On & Off	Optional
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
Straight Tracking	Standard
Tilt-out Foot Pod	Standard



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