Technical sheet :

255ORT

MANITOU
HANDLING YOUR WORLD

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

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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