

PRODUCT SPECIFICATIONS FOR 301.7 CR



WEIGHTS

Operating Weight	1915 kg
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Note (2) **Maximum Weight is based on steel tracks, operator, expandable undercarriage and full fuel tank.

Note (1) *Minimum Weight is based on rubber tracks, operator, expandable undercarriage and full fuel tank.

Note (3) ***CE Plate Weight is based on the most common EU configuration. Includes 75 kg (165 lb) operator and full fuel tank and excludes bucket.

ENGINE

Engine Model	C1.1
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Emissions Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.

Bore	77 mm
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Stroke	81 mm
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Displacement	1.1 l
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Note Net power advertised is the power available at the flywheel when the engine is at rated speed and rated power when the engine is installed with the factory configured fan, air intake system, exhaust system, and alternator with a minimum alternator load.

Note (1) Advertised power is tested per the specified standard in effect at the time of manufacture.

BLADE

Height	225 mm
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Note *Expanded – 1300 mm (51 in)

HYDRAULIC SYSTEM

Operating Pressure - Equipment 245 kPa

Operating Pressure - Swing 147 kPa

Digging Force - Stick - Standard 9.5 kN

Pump Flow at 2,400 rpm 66 l/min

Digging Force - Bucket 16.2 kN

Operating Pressure - Travel 245 kPa

Type Load Sensing Hydraulics with Variable Displacement Piston Pump

DIMENSIONS - STANDARD STICK

Overall Shipping Length* 3620 mm

Boom Swing - Left 65 °

Maximum Blade Depth 265 mm

Note *Overall Shipping Length depends on blade position during shipment.

DIMENSIONS - LONG STICK

O/A Undercarriage Length 1590 mm

Maximum Dig Height 3490 mm

Swing Bearing - Height 442 mm

Boom Swing - Left 65 °

Note *Overall Shipping Length depends on blade position during shipment.

TRAVEL SYSTEM

Maximum Traction Force - High Speed	11.9 kN
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Travel Speed - High	4.4 km/h
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Ground Pressure - Maximum Weight	30 kPa
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Travel Speed - Low	2.9 km/h
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Maximum Traction Force - Low Speed	18.4 kN
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Gradeability - Maximum	30 degrees
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SERVICE REFILL CAPACITIES

Engine Oil	4.4 l
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Hydraulic Tank	18 l
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Fuel Tank	22 l
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Cooling System	3.9 l
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Hydraulic System	26 l
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SOUND

Average Exterior Sound Pressure (ISO 6395:2008)	93 dB(A)
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Note	European Union Directive "2000/14/EC"
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SWING SYSTEM

Machine Swing Speed	9.8 r/min
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CERTIFICATION - CANOPY

Roll Over Protective Structure (ROPS)	ISO 12117-2:2008
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Top Guard	ISO 10262:1998 (Level I)
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WEIGHT INCREASE FROM MINIMUM CONFIGURATION

Expandable Undercarriage

Standard

SUSTAINABILITY

Recyclability

95%

301.7 CR STANDARD EQUIPMENT

ENGINE

Cat C1.1 Engine (U.S. EPA Tier 4 Final/EU Stage V)

Automatic Engine Idle

Automatic Engine Shutdown

Automatic Two Speed Travel

Fuel Water Separator

Power on Demand (not available in all regions)

Variable Displacement Piston Pump

Load Sensing/Flow Sharing Hydraulics

HYDRAULICS

Smart Tech Electronic Pump

Accumulator

Automatic Swing Brake

Auxiliary Hydraulic Lines

One and Two Way Auxiliary Flow

Continuous Auxiliary Flow

Auxiliary Line Quick Disconnects

OPERATOR ENVIRONMENT

Tilt-up Canopy

Top Guard ISO 10262:1998 Level I

ROPS – ISO 12117-2:2008

TOPS – ISO 12117:1997

Machine 2-Point Lifting

Stick Steer Mode

Travel Cruise Control

Control Pattern Changer (optional in some regions)

Adjustable Wrist Rests

Washable Floor Mat

Travel Pedals and Hand Levers

Machine Security

Machine Security – Standard Key with Pass Code
Vinyl Non-Suspension Seat
Hydraulic Lockout – All Controls
Retractable High Visibility Seat Belt (75 mm/3 in)
Coat Hook
Cup Holder
Storage Pocket
Skylight
Mounting Bosses for Front
Signaling/Warning Horn
Boom Light, Halogen
Utility Space for Mobile Phone
Next Generation Color LCD Monitor (IP66)
– Fuel Level and Coolant Temperature Gauges
– Maintenance and Machine Monitoring
– Performance and Machine Adjustments
– Numeric Security Code
– Multiple Languages
– Hour Meter with Wake Up Switch

UNDERCARRIAGE

Expandable Undercarriage
Rubber Belt (230 mm/9 in wide)
Dozer Blade
Dozer Blade Float
Hydraulic Track Adjusters
Tie Downs on Track Frame

BOOM, STICK AND LINKAGES

One Piece Boom (1780 mm/70 in)
Standard Stick (960 mm/37.8 in)
Front Shovel Capable
Front Shovel Capable – Pin-On
Thumb Ready (not available in all regions)
Certified Lifting Eye (optional in some regions)

ELECTRICAL

12 Volt Battery
Software (machine and monitor)
Maintenance Free Battery
Signaling/Warning Horn
12 Volt Power Socket

301.7 CR OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Control Pattern Changer (optional in some regions)
No Travel Pedals and Hand Levers
Machine Security – Push to Start with Key Fob/Pass Code
Vinyl Suspension Seat
LED Front Lights
LED Front and Rear Lights
LED Boom Light
Mirrors Left and Right
Seat Belt Reminder System

UNDERCARRIAGE

Steel Track (230 mm/9 in wide)

BOOM, STICK AND LINKAGES

Long Stick (1160 mm/45.7 in)
Front Shovel Capable – Dual Lock Manual Coupler
Attachments including Couplers, Thumbs, Buckets, Augers and Hammers
2nd Auxiliary Hydraulic Lines
Boom Lowering Check Valve
Stick Lowering Check Valve
Hydraulic Quick Coupler Lines (not available in all regions)

ELECTRICAL

Battery Disconnect
Product Link PL243 (regulations apply)
Product Link PLE643 (regulations apply)
Travel Alarm (standard in some regions)

GUARDING

Polycarbonate Front Guard (ISO 10262 1998 Level I and EN356 PSA)
Polycarbonate Half Height Front Guard (Canopy only)

OTHER

Bio Oil Capable
Eco Drain
Water Jacket Heater
Heavy Counterweight