

PRODUCT SPECIFICATIONS FOR 302 CR



ENGINE

Net Power	15.7 kW
Engine Model	C1.1
Note (2)	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.
Bore	77 mm
Stroke	81 mm
Emissions	Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
Displacement	1.1 l
Note (1)	Engine power is tested per ISO 14396:2002.
Note	Net power is tested per ISO 9249:2007 and 80/1269/EEC.
Net Power - 2,400 rpm - ISO 9249, 80/1269/EEC	15.7 kW
Gross Power - SAE J1995:2014	16.1 kW

WEIGHTS

Operating Weight	2262 kg
Maximum Operating Weight with Cab**	2262 kg
Minimum Operating Weight with Canopy*	1918 kg

Stick Length	1160 mm
Boom Height - Shipping Position	1020 mm
Maximum Reach	4270 mm
Swing Bearing - Height	442 mm
Boom Swing - Right	50 °
Track Width - Expanded	1400 mm
Boom Swing - Left	65 °
Maximum Dig Height	3620 mm
O/A Undercarriage Length	1850 mm
Maximum Blade Height	285 mm
Maximum Reach - Ground Level	4210 mm
Overall Shipping Length*	3880 mm
Minimum Ground Clearance Below Undercarriage	150 mm

Note

*Overall Shipping Length depends on blade position during shipment.

BLADE

Height	225 mm
Width*	1090 mm
Note	*Expanded – 1400 mm (55 in)

DIMENSIONS - STANDARD STICK

Dig Depth	2370 mm
Maximum Dig Height	3550 mm
Track Belt/Shoe Width	250 mm
Tail Swing	750 mm
Boom Height - Shipping Position	1070 mm
O/A Shipping Height	2300 mm
Overall Shipping Length*	3900 mm
Maximum Blade Height	285 mm
Maximum Reach	4110 mm
Track Width - Expanded	1400 mm
Track Width - Retracted	1090 mm
Boom Swing - Right	50 °
O/A Undercarriage Length	1850 mm
Maximum Reach - Ground Level	4040 mm
Swing Bearing - Height	442 mm
Stick Length	960 mm
Boom Swing - Left	65 °
Boom In Reach	1660 mm
Maximum Dump Clearance	2560 mm

Minimum Ground Clearance Below Undercarriage	150 mm
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Maximum Blade Depth	295 mm
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Note	*Overall Shipping Length depends on blade position during shipment.
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Vertical Wall	1850 mm
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WEIGHT INCREASE FROM MINIMUM CONFIGURATION

Steel Tracks	60 kg
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Long Stick	8 kg
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Expandable Undercarriage	96 kg
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CERTIFICATION - CAB AND CANOPY

Top Guard	ISO 10262:1998 (Level I)
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Roll Over Protective Structure (ROPS)	ISO 12117-2:2008
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Tip Over Protective Structure (TOPS)	ISO 12117:1997
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HYDRAULIC SYSTEM

Pump Flow at 2,400 rpm	66 l/min
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Digging Force - Stick - Standard	11.3 kN
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Auxiliary Circuit - Primary - Flow	33 l/min
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Digging Force - Bucket	19.6 kN
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Auxiliary Circuit - Secondary - Pressure	245 bar
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Operating Pressure - Travel	245 bar
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Operating Pressure - Equipment	245 bar
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Operating Pressure - Swing	147 bar
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Digging Force - Stick - Long	9.8 kN
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Type	Load Sensing Hydraulics with Variable Displacement Piston Pump
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Auxiliary Circuit - Primary - Pressure	245 bar
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Auxiliary Circuit - Secondary - Flow	14 l/min
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SWING SYSTEM

Machine Swing Speed	9.8 r/min
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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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Operator Sound Pressure (ISO 6396:2008)	73 dB(A)
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SERVICE REFILL CAPACITIES

Cooling System	3.9 l
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Hydraulic Tank	18 l
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Hydraulic System	26 l
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Engine Oil	4.4 l
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Fuel Tank	26 l
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TRAVEL SYSTEM

Travel Speed - High	4.4 km/h
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Travel Speed - Low

2.9 km/h

Maximum Traction Force - Low Speed

20 kN

Maximum Traction Force - High Speed

13.2 kN

Gradeability - Maximum

30 degrees

Ground Pressure - Maximum Weight

26.8 kPa

Ground Pressure - Minimum Weight

23.7 kPa

SUSTAINABILITY

Recyclability

95%

302 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 or Tilt-Up Cab

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
Fabric Suspension Seat (Cab only)
Vinyl Suspension Seat (Canopy only)
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
Interior Light (Cab only)
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 (250 mm/10 in wide)
Dozer Blade
Dozer Blade Float
Hydraulic Track Adjusters
Tie Downs on Track Frame

BOOM, STICK AND LINKAGES

One Piece Boom (1850 mm/73 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

302 CR OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Cab with Air Conditioning
Cab with Heater
Control Pattern Changer (optional in some regions)
No Travel Pedals and Hand Levers
Machine Security – Push to Start with Key Fob/Pass Code
Vinyl Non-Suspension Seat (Canopy only)
LED Front Lights
LED Front and Rear Lights
LED Boom Light
Mirrors Left and Right
Radio – Bluetooth®, Auxiliary, Microphone, USB (charging only) (Cab only)

UNDERCARRIAGE

Steel Track (250 mm/10 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

Guard, Canopy
Guard, Mesh

OTHER

Bio Oil Capable

Eco Drain
Water Jacket Heater