

PRODUCT SPECIFICATIONS FOR 302.7 CR



Net Power	17.6 kW
Engine Model	C1.1 Turbo
Net Power - 2,400 rpm - ISO 9249, 80/1269/EEC	17.6 kW
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.
Bore	77 mm
Displacement	1.1 l
Emissions	Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
Stroke	81 mm
Gross Power - 2,400 rpm - SAE J1995:2014	18.4 kW
Operating Weight	3050 kg
Minimum Operating Weight with Canopy*	2560 kg
Maximum Operating Weight with Canopy**	2925 kg
Minimum Operating Weight with Cab*	2680 kg
EU: CE Plate Weight with	2695 kg

Canopy***	
EU: CE Plate Weight with Cab***	2800 kg
Note (2)	**Maximum Weight is based on steel tracks, operator, full fuel tank, long stick, blade, bucket and extra counterweight.
Note (1)	*Minimum Weight is based on rubber tracks, operator, full fuel tank, standard stick, blade, bucket and no extra counterweight.
Maximum Operating Weight with Cab**	3050 kg
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.
Long Stick	15 kg
Steel Tracks	100 kg
Cab	125 kg
Counterweight (extra)	250 kg
Counterweight (light)	100 kg
Ground Pressure - Maximum Weight	29 kPa
Ground Pressure - Minimum Weight	24.2 kPa
Travel Speed - Low	2.6 km/h
Gradeability - Maximum	30 degrees

Maximum Traction Force - High Speed	15.6 kN
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Travel Speed - High	4.5 km/h
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Maximum Traction Force - Low Speed	26.8 kN
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Hydraulic System	35 l
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Hydraulic Tank	18 l
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Fuel Tank	45 l
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Engine Oil	4 l
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Cooling System	4 l
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Digging Force - Stick - Standard	13.8 kN
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Auxiliary Circuit - Primary - Pressure	245 bar
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Operating Pressure - Swing	176 bar
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Auxiliary Circuit - Secondary - Flow	25 l/min
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Auxiliary Circuit - Primary - Flow	65 l/min
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Auxiliary Circuit - Secondary - Pressure	245 bar
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Operating Pressure - Equipment	245 bar
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Digging Force - Stick - Long	12.3 kN
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Digging Force - Bucket	23.3 kN
Operating Pressure - Travel	245 bar
Pump Flow at 2,400 rpm	100 l/min
Type	Load Sensing Hydraulics with Variable Displacement Piston Pump
Note	Flow and pressure are not combinable. Under load, as flow rises pressure goes down.
Machine Swing Speed	9 r/min
Boom Swing - Left	75 Degrees
Boom Swing - Right	50 Degrees
Height	320 mm
Width	1570 mm
Top Guard	ISO 10262:1998 (Level I)
Tip Over Protective Structure (TOPS)	ISO 12117:1997
Roll Over Protective Structure (ROPS)	ISO 12117-2:2008
Operator Sound Pressure (ISO 6396:2008)	78 dB(A)
Average Exterior Sound Pressure (ISO 6395:2008)	94 dB(A)

Note	European Union Directive "2000/14/EC"
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Overall Shipping Length*	4240 mm
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Boom In Reach	1710 mm
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O/A Shipping Height	2480 mm
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Swing Bearing - Height	560 mm
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Stick Length	1060 mm
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Maximum Reach	4660 mm
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Maximum Dump Clearance	2950 mm
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Maximum Dig Height	4270 mm
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Tail Swing without Counterweight	775 mm
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Tail Swing with Extra Counterweight	890 mm
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Boom Swing - Right	830 mm
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O/A Undercarriage Length	2010 mm
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Vertical Wall	1870 mm
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Note	*Overall Shipping Length depends on blade position during shipment.
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Maximum Reach - Ground Level	4510 mm
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Dig Depth	2510 mm
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Track Belt/Shoe Width	300 mm
Maximum Blade Height	395 mm
Maximum Blade Depth	515 mm
Boom Swing - Left	605 mm
Ground Clearance	310 mm
Boom Height - Shipping Position	1560 mm
Tail Swing - with Light Counterweight	845 mm
Dig Depth	2710 mm
Boom Height - Shipping Position	1650 mm
Boom Swing - Right	830 mm
Maximum Reach - Ground Level	4710 mm
Maximum Blade Height	395 mm
Maximum Reach	4850 mm
Boom Swing - Left	605 mm
Maximum Blade Depth	515 mm
O/A Shipping Height	2480 mm
Maximum Dig Height	4390 mm

Stick Length	1260 mm
Tail Swing without Counterweight	775 mm
Boom In Reach	1730 mm
Maximum Dump Clearance	3070 mm
Swing Bearing - Height	560 mm
Vertical Wall	2050 mm
O/A Undercarriage Length	2010 mm
Ground Clearance	310 mm
Track Belt/Shoe Width	300 mm
Overall Shipping Length*	4280 mm
Note	*Overall Shipping Length depends on blade position during shipment.
Tail Swing - with Extra Counterweight	890 mm
Track Width	1570 mm
Tail Swing - with Light Counterweight	845 mm
Recyclability	95%

302.7 CR STANDARD EQUIPMENT ENGINE

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

Automatic Engine Idle

Automatic Engine Shutdown

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

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

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 (not available in all regions)

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
- Jog Dial (Cab only)

UNDERCARRIAGE

Rubber Belt (300 mm/11.8 in wide)

Dozer Blade

Dozer Blade Float

Tie Downs on Track Frame

BOOM, STICK AND LINKAGES

One Piece Boom (2085 mm/82.1 in)

Standard Stick (1060 mm/41.7 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

Battery Disconnect

Signaling/Warning Horn

12 Volt Power Socket

302.7 CR OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Cab with Air Conditioning

Cab with Heater

No Travel Pedals and Hand Levers (optional in some regions)

Push to Start with Key Fob/Pass Code

Vinyl Non-Suspension Seat (Canopy only) (not available in all regions)

LED Front Lights

LED Front and Rear Lights

LED Boom Light

Mirrors Left and Right

Radio – Bluetooth®, Auxiliary, Microphone, USB (charging only) (Cab only)

Next Generation Advanced Monitor

– Touchscreen

– Site Reference System

– High Definition Camera Capable (IP68 and IP69K)

– Numeric Security Code

UNDERCARRIAGE

Steel Track (300 mm/11.8 in wide)

BOOM, STICK AND LINKAGES

Long Stick (1260 mm/49.6 in)

Front Shovel Capable – Dual Lock Manual Coupler

Attachments including Couplers, Thumbs, Buckets, Augers and Hammers

2nd Auxiliary Hydraulic Lines

Bucket Divert Lines

Boom Lowering Check Valve

Stick Lowering Check Valve

Hydraulic Quick Coupler Lines (not available in all regions)

ELECTRICAL

Product Link PL243 (regulations apply)

Product Link PLE643 (regulations apply)

Travel Alarm (standard in some regions)

GUARDING

Polycarbonate Half Height Front Guard (Canopy only)

Polycarbonate Front Guard (ISO 10262 1998 Level I and EN356 P5A)

OTHER

Bio Oil Capable

Eco Drain

Water Jacket Heater

Light Counterweight (100 kg/221 lb)

Extra Counterweight (250 kg/551 lb)

