

PRODUCT SPECIFICATIONS FOR 301.5



ENGINE

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

WEIGHTS

Operating Weight	1775 kg
Minimum Operating Weight with Canopy*	1580 kg
Note (1)	*Minimum Weight is based on rubber tracks, operator, fixed undercarriage and full fuel tank.
Maximum Operating Weight with Canopy**	1775 kg
Note (2)	**Maximum Weight is based on steel tracks, operator, expandable undercarriage and full fuel tank.
EU: CE Plate Weight***	1740 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.

DIMENSIONS - LONG STICK

Dig Depth	2540 mm
------------------	---------

Maximum Blade Height	275 mm
Stick Length	1160 mm
Boom Height - Shipping Position	1040 mm
Maximum Reach	3960 mm
Maximum Dig Height	3490 mm
Note	*Overall Shipping Length depends on blade position during shipment.
Tail Swing	820 mm
O/A Undercarriage Length	1460 mm
Track Width - Expanded	1300 mm
Boom In Reach	1450 mm
O/A Shipping Height	2310 mm
Maximum Blade Depth	260 mm
Maximum Reach - Ground Level	3890 mm
Overall Shipping Length*	3590 mm
Maximum Dump Clearance	2510 mm
Swing Bearing - Height	445 mm
Minimum Ground Clearance Below Undercarriage	155 mm
Boom Swing - Left	65 °
Vertical Wall	1890 mm
Track Width - Retracted	990 mm
Track Belt/Shoe Width	230 mm
Boom Swing - Right	50 °

BLADE

Height	225 mm
Note	*Expanded – 1300 mm (51 in)
Width*	990 mm

DIMENSIONS - STANDARD STICK

Swing Bearing - Height	445 mm
O/A Undercarriage Length	1460 mm
Maximum Reach - Ground Level	3730 mm
Boom Swing - Left	65 °
Maximum Reach	3800 mm
O/A Shipping Height	2310 mm
Maximum Blade Depth	260 mm
Minimum Ground Clearance Below Undercarriage	155 mm
Vertical Wall	1800 mm

Dig Depth	2340 mm
Track Width - Expanded	1300 mm
Track Belt/Shoe Width	230 mm
Stick Length	960 mm
Maximum Dig Height	3430 mm
Overall Shipping Length*	3620 mm
Boom In Reach	1460 mm
Maximum Blade Height	275 mm
Maximum Dump Clearance	2450 mm
Boom Swing - Right	50 °
Note	*Overall Shipping Length depends on blade position during shipment.
Boom Height - Shipping Position	1090 mm
Tail Swing	820 mm
Track Width - Retracted	990 mm

HYDRAULIC SYSTEM

Pump Flow at 2,400 rpm	66 l/min
Digging Force - Stick - Long	7.2 kN
Operating Pressure - Swing	103 bar
Digging Force - Stick - Standard	8.2 kN
Auxiliary Circuit - Primary - Flow	33 l/min
Auxiliary Circuit - Secondary - Pressure	213 bar
Operating Pressure - Travel	213 bar
Operating Pressure - Equipment	213 bar
Auxiliary Circuit - Secondary - Flow	14 l/min
Digging Force - Bucket	14.1 kN
Auxiliary Circuit - Primary - Pressure	213 bar
Type	Load Sensing Hydraulics with Variable Displacement Piston Pump

TRAVEL SYSTEM

Maximum Traction Force - High Speed	10.3 kN
Ground Pressure - Minimum Weight	27.3 kPa
Ground Pressure - Maximum Weight	30.6 kPa
Travel Speed - High	4.4 km/h
Travel Speed - Low	2.9 km/h
Maximum Traction Force - Low Speed	16 kN
Gradeability - Maximum	30 degrees

CERTIFICATION - CANOPY

Roll Over Protective Structure (ROPS) ISO 12117-2:2008

Tip Over Protective Structure (TOPS) ISO 12117:1997

Top Guard ISO 10262:1998 (Level I)

SOUND

Average Exterior Sound Pressure (ISO 6395:2008)

93 dB(A)

Note

European Union Directive "2000/14/EC"

SERVICE REFILL CAPACITIES

Cooling System 3.9 l

Engine Oil 4.4 l

Hydraulic System 26 l

Hydraulic Tank 18 l

Fuel Tank 22 l

SWING SYSTEM

Machine Swing Speed 9.8 r/min

WEIGHT INCREASE FROM MINIMUM CONFIGURATION

Long Stick 8 kg

Steel Tracks 57 kg

Expandable Undercarriage 129 kg

SUSTAINABILITY

Recyclability 95%

301.5 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

301.5 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

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

- Guard, Canopy
- Guard, Mesh

OTHER

- Bio Oil Capable
- Eco Drain
- Water Jacket Heater