

PRODUCT SPECIFICATIONS FOR 301.6

Net Power	15.7 kW
Engine Model	C1.1
Bore	77 mm
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.
Stroke	81 mm
Displacement	1.1 l
Note (1)	Engine power is tested per ISO 14396:2002.
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 - 2,400 rpm - ISO 9249, 80/1269/EEC	15.7 kW
Gross Power - SAE J1995:2014	16.1 kW
Operating Weight	1958 kg
Note (2)	**Maximum Weight is based on steel tracks, operator, expandable undercarriage and full fuel tank.
Maximum Operating Weight with Cab**	1958 kg

Minimum Operating Weight with Cab*	1765 kg
Note (1)	*Minimum Weight is based on rubber tracks, operator, fixed undercarriage and full fuel tank.
EU: CE Plate Weight***	1925 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.
Dig Depth	2540 mm
Boom Swing - Left	65 °
Boom Height - Shipping Position	1040 mm
Maximum Blade Depth	260 mm
Stick Length	1160 mm
Track Belt/Shoe Width	230 mm
Tail Swing	995 mm
Track Width - Expanded	1300 mm
Maximum Blade Height	275 mm
Boom Swing - Right	50 °
Vertical Wall	1890 mm
Maximum Reach	3960 mm
Maximum Dump Clearance	2510 mm

Maximum Dump Clearance	2310 mm
Maximum Reach - Ground Level	3890 mm
Track Width - Retracted	990 mm
Boom In Reach	1450 mm
Overall Shipping Length*	3860 mm
Maximum Dig Height	3490 mm
O/A Shipping Height	2310 mm
Swing Bearing - Height	445 mm
Minimum Ground Clearance Below Undercarriage	155 mm
O/A Undercarriage Length	1460 mm
Note	*Overall Shipping Length depends on blade position during shipment.

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

Boom Swing - Right	50 °
Minimum Ground Clearance Below Undercarriage	155 mm
Maximum Reach - Ground Level	3730 mm

Maximum Dump Clearance	2450 mm
Dig Depth	2340 mm
O/A Undercarriage Length	1460 mm
Track Width - Expanded	1300 mm
Tail Swing	995 mm
Overall Shipping Length*	3620 mm
Maximum Blade Depth	260 mm
Swing Bearing - Height	445 mm
Maximum Reach	3800 mm
O/A Shipping Height	2310 mm
Track Belt/Shoe Width	230 mm
Note	*Overall Shipping Length depends on blade position during shipment.
Track Width - Retracted	990 mm
Stick Length	960 mm
Boom Height - Shipping Position	1090 mm
Maximum Dig Height	3430 mm
Vertical Wall	1800 mm
Boom Swing - Left	65 °

Boom In Reach	1460 mm
Maximum Blade Height	275 mm
Cooling System	3.9 l
Hydraulic Tank	18 l
Hydraulic System	26 l
Engine Oil	4.4 l
Fuel Tank	22 l
Roll Over Protective Structure (ROPS)	ISO 12117-2:2008
Tip Over Protective Structure (TOPS)	ISO 12117:1997
Top Guard	ISO 10262:1998 (Level I)
Auxiliary Circuit - Primary - Flow	33 l/min
Auxiliary Circuit - Secondary - Pressure	213 bar
Auxiliary Circuit - Primary - Pressure	213 bar
Auxiliary Circuit - Secondary - Flow	14 l/min
Digging Force - Stick - Long	7.2 kN
Type	Load Sensing Hydraulics with Variable Displacement Piston Pump

Operating Pressure - Travel	213 bar
Operating Pressure - Equipment	213 bar
Operating Pressure - Swing	103 bar
Digging Force - Stick - Standard	8.2 kN
Digging Force - Bucket	14.1 kN
Pump Flow at 2,400 rpm	66 l/min
Travel Speed - Low	2.9 km/h
Maximum Traction Force - Low Speed	15.9 kN
Maximum Traction Force - High Speed	10.2 kN
Travel Speed - High	4.4 km/h
Gradeability - Maximum	30 degrees
Ground Pressure - Minimum Weight	30.5 kPa
Ground Pressure - Maximum Weight	34 kPa
Steel Tracks	57 kg
Long Stick	8 kg
Expandable Undercarriage	128 kg
Model	FC-1000 1000 LBS "3000 LBS" 1000 LBS

Note	European Union Directive “2000/14/EC”
Average Exterior Sound Pressure (ISO 6395:2008)	93 dB(A)
Operator Sound Pressure (ISO 6396:2008)	73 dB(A)
Machine Swing Speed	9.8 r/min

301.0 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)

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 (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 (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

301.6 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

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 (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

Rio Oil Canable

DIO On Capable

Eco Drain

Water Jacket Heater