

# PRODUCT SPECIFICATIONS FOR 303 CR



<b>Net Power</b>	23.6 HP
<b>Engine Model</b>	C1.1 Turbo
<b>Bore</b>	3 in
<b>Note (2)</b>	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.
<b>Gross Power - SAE J1995:2014</b>	24.7 HP
<b>Net Power - 2,400 rpm - ISO 9249, 80/1269/EEC</b>	23.6 HP
<b>Emissions</b>	Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
<b>Stroke</b>	3.2 in
<b>Note</b>	Net power is tested per ISO 9249 and 80/1269/EEC.
<b>Displacement</b>	69 in <sup>3</sup>
<b>Operating Weight</b>	7817 lb
<b>Note (1)</b>	*Minimum Weight is based on fixed rubber tracks, operator, full fuel tank, standard stick, blade, bucket and no extra counterweight.
<b>EU: CE Plate Weight with Canopy***</b>	6791 lb
<b>Minimum Operating Weight with Canopy*</b>	6670 lb

**Minimum Operating Weight with Cab\*** 6924 lb

**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.

**Maximum Operating Weight with Canopy\*\*** 7552 lb

**EU: CE Plate Weight with Cab\*\*\*** 7012 lb

**Maximum Operating Weight with Cab\*\*** 7817 lb

**Note (2)** \*\*Maximum Weight is based on steel tracks, operator, full fuel tank, long stick, blade, bucket and extra counterweight.

**Dig Depth** 116.1 in

**Boom Height - Shipping Position** 75.6 in

**Tail Swing with Counterweight** 35 in

**Track Belt/Shoe Width** 11.8 in

**Maximum Reach** 206.3 in

**Boom In Reach** 74.2 in

**Boom Swing - Right** 34.3 in

**Tail Swing** 33.3 in

**Maximum Dump Clearance** 130.3 in

<b>Ground Clearance</b>	12.2 in
<b>O/A Undercarriage Length</b>	81.5 in
<b>O/A Shipping Height</b>	97.6 in
<b>Track Width - Expanded</b>	61 in
<b>Maximum Blade Depth</b>	21.1 in
<b>Maximum Reach - Ground Level</b>	201.2 in
<b>Stick Length</b>	61.4 in
<b>Overall Shipping Length*</b>	179.5 in
<b>Maximum Dig Height</b>	183.1 in
<b>Swing Bearing - Height</b>	22.4 in
<b>Note</b>	*Overall Shipping Length depends on blade position during shipment.
<b>Tail Swing without Counterweight</b>	30.5 in
<b>Maximum Blade Height</b>	15.2 in
<b>Boom Swing - Left</b>	25.2 in
<b>Vertical Wall</b>	81.5 in
<b>Height</b>	13.8 in
<b>Width</b>	61 in

<b>Maximum Blade Depth</b>	21.1 in
<b>Tail Swing without Counterweight</b>	30.5 in
<b>Maximum Dig Height</b>	177.6 in
<b>O/A Undercarriage Length</b>	81.5 in
<b>Boom Height - Shipping Position</b>	63 in
<b>Vertical Wall</b>	71.7 in
<b>Overall Shipping Length*</b>	177.6 in
<b>Boom Swing - Left</b>	25.2 in
<b>O/A Shipping Height</b>	97.6 in
<b>Track Shoe Width</b>	61 in
<b>Boom Swing - Right</b>	34.3 in
<b>Tail Swing with Extra Counterweight</b>	35 in
<b>Swing Bearing - Height</b>	22.4 in
<b>Tail Swing</b>	33.3 in
<b>Maximum Blade Height</b>	15.2 in
<b>Dig Depth</b>	104.3 in
<b>Maximum Dump Clearance</b>	124.8 in

**Maximum Reach - Ground Level** 190.2 in

**Maximum Reach** 196.1 in

**Ground Clearance** 12.2 in

**Track Belt/Shoe Width** 11.8 in

**Boom In Reach** 68.9 in

**Stick Length** 49.6 in

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

**Boom Swing - Right** 50 °

**Machine Swing Speed** 9 r/min

**Boom Swing - Left** 75 °

**Average Exterior Sound Pressure (ISO 6395:2008)** 94 dB(A)

**Operator Sound Pressure (ISO 6396:2008)** 78 dB(A)

**Note** European Union Directive "2000/14/EC"

**Auxiliary Circuit - Primary - Flow** 17 gal/min

**Auxiliary Circuit - Secondary - Pressure** 3553 psi

**Operating Pressure - Swing** 2553 psi

<b>Pump Flow at 2,400 rpm</b>	26 gal/min
<b>Type</b>	Load Sensing Hydraulics with Variable Displacement Piston Pump
<b>Digging Force - Stick - Standard</b>	3732 lbf
<b>Operating Pressure - Travel</b>	3553 psi
<b>Digging Force - Bucket</b>	6385 lbf
<b>Operating Pressure - Equipment</b>	3553 psi
<b>Auxiliary Circuit - Primary - Pressure</b>	3553 psi
<b>Auxiliary Circuit - Secondary - Flow</b>	7 gal/min
<b>Digging Force - Stick - Long</b>	3327 lbf
<b>Note</b>	* Flow and pressure are not combinable. Under load, as flow rises pressure goes down.
<b>Gradeability - Maximum</b>	30 degrees
<b>Ground Pressure - Maximum Weight</b>	4.7 psi
<b>Ground Pressure - Minimum Weight</b>	4 psi
<b>Travel Speed - High</b>	2.8 mile/h
<b>Maximum Traction Force - Low Speed</b>	7059 lbf
<b>Travel Speed - Low</b>	1.6 mile/h

<b>Maximum Traction Force - High Speed</b>	3305 lbf
<b>Cooling System</b>	1.1 gal (US)
<b>Hydraulic Tank</b>	4.8 gal (US)
<b>Engine Oil</b>	1.1 gal (US)
<b>Fuel Tank</b>	11.9 gal (US)
<b>Hydraulic System</b>	9.2 gal (US)
<b>Counterweight</b>	221 lb
<b>Cab</b>	254 lb
<b>Steel Tracks</b>	276 lb
<b>Long Stick</b>	55 lb
<b>Extra Counterweight</b>	551 lb
<b>Roll Over Protective Structure (ROPS)</b>	ISO 12117-2:2008
<b>Top Guard</b>	ISO 10262:1998 (Level I)
<b>Tip Over Protective Structure (TOPS)</b>	ISO 12117:1997

## **303 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 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



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

Next Generation Advanced Monitor

– Touch Screen

– Site Reference System

– High Definition Camera Capable (IP68 and IP69K)

– Numeric Security Code

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

- 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 (2200 mm/86.6 in)

Standard Stick (1260 mm/49.6 in)

Front Shovel Capable - Hydraulic Coupler

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



## **303 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 (300 mm/11.8 in wide)

### **BOOM, STICK AND LINKAGES**

Long Stick (1560 mm/61.4 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 P5A)

Polycarbonate Half Height Front Guard (Canopy only)

## **OTHER**

Bio Oil Capable

Eco Drain

Water Jacket Heater