

# PRODUCT SPECIFICATIONS FOR 308 CR



## ENGINE

Net Power	51.8 kW
Engine Model	Cat C3.3B
Stroke	120 mm
Bore	94 mm
Gross Power - SAE J1995	55.4 kW
Displacement	3.33 l
Rated Net Power - 2,200 rpm - U.S. EPA Tier 4 Final/EU Stage V - ISO 9249/EEC 80/1269	51.8 kW

## WEIGHTS

Operating Weight	9105 kg
Note (1)	*Minimum Weight is based on rubber tracks, no counterweight, operator, full fuel tank, standard stick, blade and no bucket.
Note (2)	**Maximum Weight is based on steel tracks with rubber pads, counterweight, operator, full fuel tank, long stick, blade and no bucket.
Maximum Operating Weight with Cab**	9105 kg
Minimum Operating Weight with Cab*	8440 kg

## WEIGHT INCREASE FROM MINIMUM CONFIGURATION

Steel Tracks with Pads	341 kg
Counterweight	250 kg

Long Stick

66 kg

## TRAVEL SYSTEM

Maximum Traction Force - High Speed	27.8 kN
Ground Pressure - Maximum Weight	39.8 kPa
Ground Pressure - Minimum Weight	36.9 kPa
Travel Speed - High	5.1 km/h
Travel Speed - Low	3.1 km/h
Maximum Traction Force - Low Speed	67.5 kN
Gradeability - Maximum	30 degrees

## SERVICE REFILL CAPACITIES

Fuel Tank	147 l
Hydraulic System	110 l
Hydraulic Tank	53 l
Cooling System	10 l
Engine Oil	11.2 l

## HYDRAULIC SYSTEM

Digging Force - Bucket	62 kN
Operating Pressure - Travel	285 bar
Operating Pressure - Swing	250 bar
Operating Pressure - Equipment	285 bar

**Digging Force - Stick - Long** 35.7 kN

**Type** Load Sensing Hydraulics with Variable Displacement Piston Pump

**Note** Flow and pressure are not combinable. Under load, as flow rises pressure goes down.

**Pump Flow at 2,400 rpm** 167 l/min

**Digging Force - Stick - Standard** 42.3 kN

**Maximum Auxiliary Circuit - Primary - Pressure at Pump** 285 bar

**Maximum Auxiliary Circuit - Secondary - Pressure at Pump** 285 bar

**Maximum Auxiliary Circuit - Primary - Flow at Pump** 131 l/min

**Maximum Auxiliary Circuit - Secondary - Flow at Pump** 33 l/min

## SWING SYSTEM

**Machine Swing Speed** 10.6 r/min

**Boom Swing - Right** 50 degrees

**Boom Swing - Left** 60 degrees

## BLADE

**Height** 431 mm

**Width - Standard** 2300 mm

**Width - Wide** 2450 mm

## CERTIFICATION - CAB

<b>Top Guard</b>	ISO 10262:1998 (Level I)
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<b>Roll Over Protective Structure (ROPS)</b>	ISO 12117-2:2008
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<b>Tip Over Protective Structure (TOPS)</b>	ISO 12117:1997
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## SOUND

<b>Operator Sound Pressure (ISO 6396:2008)</b>	72 dB(A)
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<b>Note</b>	European Union Directive "2000/14/EC"
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<b>Average Exterior Sound Pressure (ISO 6395:2008)</b>	99 dB(A)
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## DIMENSIONS - STANDARD STICK

<b>Cab Height</b>	2541 mm
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<b>Vertical Wall</b>	2991 mm
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<b>Boom In Reach</b>	3059 mm
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<b>Tail Swing with Counterweight</b>	1585 mm
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<b>Boom Swing - Right</b>	935 mm
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<b>Track Belt/Shoe Width</b>	450 mm
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<b>Maximum Reach</b>	7141 mm
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<b>Stick Length</b>	1820 mm
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<b>Maximum Blade Height</b>	370 mm
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<b>Boom Swing - Left</b>	604 mm
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<b>Maximum Blade Depth</b>	407 mm
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<b>O/A Track Width</b>	2300 mm
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**Maximum Dig Height** 6736 mm

**Maximum Dump Clearance** 4760 mm

**Maximum Reach - Ground Level** 6949 mm

**Tail Swing without Counterweight** 1450 mm

**O/A Undercarriage Length** 2880 mm

**Swing Bearing - Height** 756 mm

**Ground Clearance** 350 mm

**Dig Depth** 4108 mm

**Note** \*Boom Height when stick is pinned in transport position with no attachments.

**Overall Shipping Length - with Counterweight** 6706 mm

**Note (1)** \*\*Boom Height when stick is pinned in working position with attachments. Standard Stick offers only one pin position.

**Overall Shipping Length - without Counterweight** 6574 mm

**Note (2)** \*\*\*With blade positioned at the rear of the machine.

**Height - Boom Working - With Tools\*\*** 2660 mm

**Height - Boom Transport - No Tools\*** 2430 mm

## **DIMENSIONS - LONG STICK**

**Dig Depth** 4643 mm

<b>Boom Swing - Left</b>	604 mm
<b>Maximum Dig Height</b>	7039 mm
<b>Maximum Blade Height</b>	370 mm
<b>Track Belt/Shoe Width</b>	450 mm
<b>Cab Height</b>	2541 mm
<b>Tail Swing with Counterweight</b>	1585 mm
<b>O/A Undercarriage Length</b>	2880 mm
<b>Maximum Dump Clearance</b>	5072 mm
<b>Boom Swing - Right</b>	935 mm
<b>Maximum Blade Depth</b>	407 mm
<b>Ground Clearance</b>	350 mm
<b>Stick Length</b>	2358 mm
<b>Maximum Reach</b>	7637 mm
<b>Maximum Reach - Ground Level</b>	7460 mm
<b>Boom In Reach</b>	3215 mm
<b>Swing Bearing - Height</b>	756 mm
<b>O/A Track Width</b>	2300 mm
<b>Tail Swing without Counterweight</b>	1450 mm
<b>Vertical Wall</b>	3404 mm

**Note** \*Boom Height when stick is pinned in transport position with no attachments.

**Note (2)** \*\*\*With blade positioned at the rear of the machine.

**Note (1)** \*\*Boom Height when stick is pinned in working position with attachments. Standard Stick offers only one pin position.

**Height - Boom Transport - No Tools\*** 2260 mm

**Height - Boom Working - With Tools\*\*** 3050 mm

**Overall Shipping Length - without Counterweight** 6872 mm (270.6 in)\*\*\*

**Overall Shipping Length - with Counterweight** 6872 mm (270.6 in)\*\*\*

## AIR CONDITIONING SYSTEM

**Air Conditioning** The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1 kg of refrigerant which has a CO2 equivalent of 1.430 metric tonnes.

## SUSTAINABILITY

**Recyclability** 96%

## 308 CR STANDARD EQUIPMENT

### ENGINE

Cat C3.3B Diesel Engine (U.S. EPA Tier 4 Final/EU Stage V) – Electronic Engine, Turbo, Diesel Particulate Filter (DPF)

Automatic Engine Idle

Automatic Engine Shutdown

Automatic Swing Brake

Automatic Two Speed Travel

Fuel Water Separator with Indicator

Radial Seal – Double Element Air Filter

Extended Life Coolant, -37° C (-35° F)

## **HYDRAULICS**

Electronic Variable Displacement Piston Pump  
Load Sensing/Flow Sharing Hydraulics  
Power On Demand  
Hydraulic Temperature Monitoring  
Certified Accumulator  
HYDO Advanced Hydraulic Oil

## **OPERATOR ENVIRONMENT**

Top Guard ISO 10262 1998 Level I  
ROPS ISO 12117-2:2008  
Stick Steer Mode  
Travel Cruise Control  
Control Pattern Changer  
Adjustable Wrist Rests  
Molded Footrests  
Removable, Washable Floor Mat  
Travel Pedals and Hand Levers  
Cat Key with Passcode Option  
HVAC with Automatic Temperature Control  
Hydraulic Lockout Controls  
Integrated Lower Front Window  
Assisted Front Window Overhead Storage  
Rear Window Emergency Exit  
Fabric, High Back, Suspension Seat  
Retractable Seat Belt (75 mm/3 in)  
Coat Hook  
Cup Holder  
LED Interior Light  
Literature Holder  
Mounting Bosses for Top and Front Guards  
12V Power Socket  
Radio – Bluetooth, Auxiliary, Microphone, USB (charging only)  
Skylight  
Signaling/Warning Horn  
Cab and (left side) Boom Work Lights  
Utility Space for Mobile Phone  
Next Generation Color LCD Monitor (IP66)  
– Jog Dial Interface  
– Fuel Level and Coolant Temperature Gauges  
– Maintenance and Machine Monitoring  
– Performance and Machine Adjustments  
– Numeric Security Code  
– Multiple Languages  
– Camera Ready (IP68 & IP69K)  
– Hour Meter with Wake Up Switch



## **UNDERCARRIAGE**

Greased and Lubricated Track  
Tie Down Eyes on Track Frame  
Dozer Blade  
Dozer Float  
Bolt-on, Reversible Wear Edge

## **BOOM, STICK AND LINKAGES**

One Piece Boom (3400 mm/133.9 in)  
Standard Stick (1820 mm/71.7 in)  
Front Shovel Capable – Pin-on/Manual Coupler/Hydraulic Coupler (not available in all regions)  
Thumb Ready (not available in all regions)

## **ELECTRICAL**

12 Volt Electrical System  
60 Ampere Alternator  
Circuit Breaker  
900 CCA Maintenance Free Battery  
Battery Disconnect  
Ignition Key Stop Switch

## **OTHER**

Locks on External Enclosure Doors  
Lockable Fuel Cap  
Beacon Socket  
Rear Reflectors

## **308 CR OPTIONAL EQUIPMENT**

## **OPERATOR ENVIRONMENT**

Push to Start with Bluetooth® Key  
Air Suspension Heated Seat  
Rain Visor  
Next Generation Advanced Monitor (below are all included with Next Generation Advanced Monitor option)  
– Touch Screen  
– Site Reference System  
– High Definition Camera Capable (IP68 & IP69K)  
– Numeric Security Code

## **UNDERCARRIAGE**

Wide Dozer Blade  
Steel Tracks (450 mm/17.7 in wide)  
Wide Steel Tracks (600 mm/23.6 in)

Steel Track with Rubber Pads  
Track Guides

## **BOOM, STICK AND LINKAGES**

Long Stick (2360 mm/92.9 in)  
Attachments including Buckets, Augers and Hammers  
2nd Auxiliary Hydraulic Lines  
Boom Lowering Check Valve  
Stick Lowering Check Valve  
Certified Lifting Eye

## **ELECTRICAL**

Product Link™ Elite (regulations apply)  
Travel Alarm  
Rearview Camera  
Rotating Beacon

## **GUARDING**

Mesh Front Guard ISO 10262 1998 Level I  
Heavy Duty Front Guard ISO 10262 1998 Level II  
Overhead Cab Guard ISO 10262 1998 Level II  
Polycarbonate Front Window EN356 P5A  
Track Guards

## **OTHER**

Additional Counterweight  
Water Jacket Heater  
Refueling Pump  
Variable Angle Boom (refer to 308 CR VAB brochure for VAB specs and additional information)