

# Product Specifications For 308 CR



## Engine

Net Power	69.5 hp
Engine Model	Cat C3.3B
Stroke	4.7 in
Bore	3.7 in
Gross Power - SAE J1995:2014	74.3 hp
Displacement	203 in <sup>3</sup>
Rated Net Power - 2,200 rpm - U.S. EPA Tier 4 Final/EU Stage V - ISO 9249/EEC 80/1269	69.5 hp

## Weights

Operating Weight	18493 lb
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**	18493 lb
Minimum Operating Weight with Cab*	16542 lb

## Dimensions - Long Stick

Dig Depth	182.8 in
Boom Swing - Left	23.8 in

<b>Maximum Dig Height</b>	277.1 in
<b>Maximum Blade Height</b>	14.6 in
<b>Track Belt/Shoe Width</b>	17.7 in
<b>Cab Height</b>	100 in
<b>Tail Swing with Counterweight</b>	62.4 in
<b>O/A Undercarriage Length</b>	113.4 in
<b>Maximum Dump Clearance</b>	199.7 in
<b>Boom Swing - Right</b>	36.8 in
<b>Maximum Blade Depth</b>	16 in
<b>Ground Clearance</b>	13.8 in
<b>Stick Length</b>	92.8 in
<b>Maximum Reach</b>	300.7 in
<b>Maximum Reach - Ground Level</b>	293.7 in
<b>Boom In Reach</b>	126.6 in
<b>Swing Bearing - Height</b>	29.7 in
<b>O/A Track Width</b>	90.6 in
<b>Tail Swing without Counterweight</b>	57.1 in
<b>Vertical Wall</b>	134 in

<b>Note</b>	*Boom Height when stick is pinned in transport position with no attachments.
<b>Note (2)</b>	***With blade positioned at the rear of the machine.
<b>Note (1)</b>	**Boom Height when stick is pinned in working position with attachments. Standard Stick offers only one pin position.
<b>Height - Boom Transport - No Tools*</b>	89 in
<b>Height - Boom Working - With Tools**</b>	120.1 in
<b>Overall Shipping Length - without Counterweight</b>	6872 mm (270.6 in)***
<b>Overall Shipping Length - with Counterweight</b>	6872 mm (270.6 in)***

# Blade

<b>Height</b>	17 in
<b>Width - Standard</b>	90.6 in
<b>Width - Wide</b>	96.5 in

# Weight Increase From Minimum Configuration

<b>Steel Tracks with Pads</b>	752 lb
<b>Counterweight</b>	552 lb
<b>Long Stick</b>	146 lb

# Travel System

<b>Maximum Traction Force - High Speed</b>	6250 lb
<b>Ground Pressure - Maximum Weight</b>	5.5 psi

<b>Ground Pressure - Minimum Weight</b>	4.9 psi
<b>Travel Speed - High</b>	3.2 mile/h
<b>Travel Speed - Low</b>	1.9 mile/h
<b>Maximum Traction Force - Low Speed</b>	15175 lb
<b>Gradeability - Maximum</b>	30 degrees

## Service Refill Capacities

<b>Fuel Tank</b>	39 gal (US)
<b>Hydraulic System</b>	29 gal (US)
<b>Hydraulic Tank</b>	14 gal (US)
<b>Cooling System</b>	2.6 gal (US)
<b>Engine Oil</b>	3 gal (US)

## Hydraulic System

<b>Digging Force - Bucket</b>	13946 lb
<b>Operating Pressure - Travel</b>	4134 psi
<b>Operating Pressure - Swing</b>	3626 psi
<b>Operating Pressure - Equipment</b>	4134 psi
<b>Digging Force - Stick - Long</b>	8032 lb
<b>Type</b>	Load Sensing Hydraulics with Variable Displacement Piston Pump
<b>Note</b>	Flow and pressure are not combinable. Under load, as flow rises pressure goes down.

<b>Pump Flow at 2,400 rpm</b>	44 gal/min
<b>Digging Force - Stick - Standard</b>	9509 lb
<b>Maximum Auxiliary Circuit - Primary - Pressure at Pump</b>	4134 psi
<b>Maximum Auxiliary Circuit - Secondary - Pressure at Pump</b>	4134 psi
<b>Maximum Auxiliary Circuit - Primary - Flow at Pump</b>	35 gal/min
<b>Maximum Auxiliary Circuit - Secondary - Flow at Pump</b>	9 gal/min

## Swing System

<b>Machine Swing Speed</b>	10.6 r/min
<b>Boom Swing - Right</b>	50 degrees
<b>Boom Swing - Left</b>	60 degrees

## Certification - Cab

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

## Sound

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

## Dimensions - Standard Stick

<b>Cab Height</b>	100 in
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<b>Vertical Wall</b>	117.8 in
<b>Boom In Reach</b>	120.4 in
<b>Tail Swing with Counterweight</b>	62.4 in
<b>Boom Swing - Right</b>	36.8 in
<b>Track Belt/Shoe Width</b>	17.7 in
<b>Maximum Reach</b>	281.1 in
<b>Stick Length</b>	71.7 in
<b>Maximum Blade Height</b>	14.6 in
<b>Boom Swing - Left</b>	23.8 in
<b>Maximum Blade Depth</b>	16 in
<b>O/A Track Width</b>	90.6 in
<b>Maximum Dig Height</b>	265.2 in
<b>Maximum Dump Clearance</b>	187.4 in
<b>Maximum Reach - Ground Level</b>	273.6 in
<b>Tail Swing without Counterweight</b>	57.1 in
<b>O/A Undercarriage Length</b>	113.4 in
<b>Swing Bearing - Height</b>	29.7 in
<b>Ground Clearance</b>	13.8 in

<b>Dig Depth</b>	161.7 in
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<b>Note</b>	*Boom Height when stick is pinned in transport position with no attachments.
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<b>Overall Shipping Length - with Counterweight</b>	264 in
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<b>Note (1)</b>	**Boom Height when stick is pinned in working position with attachments. Standard Stick offers only one pin position.
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<b>Overall Shipping Length - without Counterweight</b>	258.8 in
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<b>Note (2)</b>	***With blade positioned at the rear of the machine.
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<b>Height - Boom Working - With Tools**</b>	104.7 in
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<b>Height - Boom Transport - No Tools*</b>	95.7 in
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## Air Conditioning System

<b>Air Conditioning</b>	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.
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## Sustainability

<b>Recyclability</b>	96%
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## 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

## **TECHNOLOGY**

Product Link Basic

## **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)

## **TECHNOLOGY**

Ease of Use Indicate

Ease of Use E-Fence

Cat Grade Advanced 2D

Cat Grade 3D

Product Link Elite (regulations apply)