

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 ³
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

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

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*	89 in
Height - Boom Working - With Tools**	120.1 in
Overall Shipping Length - without Counterweight	6872 mm (270.6 in)***
Overall Shipping Length - with Counterweight	6872 mm (270.6 in)***

Blade

Height	17 in
Width - Standard	90.6 in
Width - Wide	96.5 in

Weight Increase From Minimum Configuration

Steel Tracks with Pads	752 lb
Counterweight	552 lb
Long Stick	146 lb

Travel System

Maximum Traction Force - High Speed	6250 lbf
Ground Pressure - Maximum Weight	5.5 psi

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

Service Refill Capacities

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

Hydraulic System

Digging Force - Bucket	13946 lbf
Operating Pressure - Travel	4134 psi
Operating Pressure - Swing	3626 psi
Operating Pressure - Equipment	4134 psi
Digging Force - Stick - Long	8032 lbf
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	44 gpm
Digging Force - Stick - Standard	9509 lbf
Maximum Auxiliary Circuit - Primary - Pressure at Pump	4134 psi
Maximum Auxiliary Circuit - Secondary - Pressure at Pump	4134 psi
Maximum Auxiliary Circuit - Primary - Flow at Pump	35 gpm
Maximum Auxiliary Circuit - Secondary - Flow at Pump	9 gpm

Swing System

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

Certification - Cab

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

Sound

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

Dimensions - Standard Stick

Cab Height	100 in
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Vertical Wall	117.8 in
Boom In Reach	120.4 in
Tail Swing with Counterweight	62.4 in
Boom Swing - Right	36.8 in
Track Belt/Shoe Width	17.7 in
Maximum Reach	281.1 in
Stick Length	71.7 in
Maximum Blade Height	14.6 in
Boom Swing - Left	23.8 in
Maximum Blade Depth	16 in
O/A Track Width	90.6 in
Maximum Dig Height	265.2 in
Maximum Dump Clearance	187.4 in
Maximum Reach - Ground Level	273.6 in
Tail Swing without Counterweight	57.1 in
O/A Undercarriage Length	113.4 in
Swing Bearing - Height	29.7 in
Ground Clearance	13.8 in
Dig Depth	161.7 in

Note	*Boom Height when stick is pinned in transport position with no attachments.
Overall Shipping Length - with Counterweight	264 in
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	258.8 in
Note (2)	***With blade positioned at the rear of the machine.
Height - Boom Working - With Tools**	104.7 in
Height - Boom Transport - No Tools*	95.7 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.
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Sustainability

Recyclability	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)