

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	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	20077 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**	20077 lb
Minimum Operating Weight with Cab*	18610 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 lb
Ground Pressure - Maximum Weight	5.8 psi

Ground Pressure - Minimum Weight	5.4 psi
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Travel Speed - High	3.2 mile/h
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Travel Speed - Low	1.9 mile/h
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Maximum Traction Force - Low Speed	15175 lb
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Gradeability - Maximum	30 degrees
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SERVICE REFILL CAPACITIES

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

Digging Force - Bucket	13946 lb
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Operating Pressure - Travel	4134 psi
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Operating Pressure - Swing	3626 psi
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Operating Pressure - Equipment	4134 psi
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Digging Force - Stick - Long	8032 lb
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Type	Load Sensing Hydraulics with Variable Displacement Piston Pump
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Note	Flow and pressure are not combinable. Under load, as flow rises pressure goes down.
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Pump Flow at 2,400 rpm	44 gal/min
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Digging Force - Stick - Standard	9509 lb
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Maximum Auxiliary Circuit - Primary - Pressure at Pump	4134 psi
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Maximum Auxiliary Circuit - Secondary - Pressure at Pump	4134 psi
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Maximum Auxiliary Circuit - Primary - Flow at Pump	35 gal/min
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Maximum Auxiliary Circuit - Secondary - Flow at Pump	9 gal/min
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SWING SYSTEM

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

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

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

Cab Height	100 in
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.

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)