

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

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

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	2541 mm
Vertical Wall	2991 mm
Boom In Reach	3059 mm
Tail Swing with Counterweight	1585 mm
Boom Swing - Right	935 mm
Track Belt/Shoe Width	450 mm
Maximum Reach	7141 mm
Stick Length	1820 mm
Maximum Blade Height	370 mm
Boom Swing - Left	604 mm
Maximum Blade Depth	407 mm
O/A Track Width	2300 mm
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
Boom Swing - Left	604 mm
Maximum Dig Height	7039 mm
Maximum Blade Height	370 mm
Track Belt/Shoe Width	450 mm
Cab Height	2541 mm
Tail Swing with Counterweight	1585 mm
O/A Undercarriage Length	2880 mm
Maximum Dump Clearance	5072 mm
Boom Swing - Right	935 mm
Maximum Blade Depth	407 mm
Ground Clearance	350 mm
Stick Length	2358 mm
Maximum Reach	7637 mm
Maximum Reach - Ground Level	7460 mm
Boom In Reach	3215 mm
Swing Bearing - Height	756 mm
O/A Track Width	2300 mm
Tail Swing without Counterweight	1450 mm
Vertical Wall	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)