

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
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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	167 l/min
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Digging Force - Stick - Standard	42.3 kN
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Maximum Auxiliary Circuit - Primary - Pressure at Pump	285 bar
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Maximum Auxiliary Circuit - Secondary - Pressure at Pump	285 bar
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Maximum Auxiliary Circuit - Primary - Flow at Pump	131 l/min
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Maximum Auxiliary Circuit - Secondary - Flow at Pump	33 l/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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BLADE

Height	431 mm
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Width - Standard	2300 mm
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Width - Wide	2450 mm
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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
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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.
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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

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)