

PRODUCT SPECIFICATIONS FOR 308 CR

ENGINE

Net Power	52.4 kW
Engine Model	Cat C3.3B
Stroke	120.0 mm
Rated Net Power - 2,200 rpm - U.S. EPA Tier 4 Final - ISO 9249/EEC 80/1269	52.4 kW
Bore	94.0 mm
Displacement	3.33 l
Rated Net Power - 2,200 rpm - EU Stage V - ISO 9249/EEC 80/1269	53.3 kW
Gross Power - ISO 14396	55.4 kW

WEIGHTS

Operating Weight	9380.0 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**	9105.0 kg
Minimum Operating Weight with Cab*	8440.0 kg

DIMENSIONS - LONG STICK

Dig Depth	4643.0 mm
Boom Swing - Left	604.0 mm

Maximum Dig Height	7039.0 mm
Maximum Blade Height	370.0 mm
Track Belt/Shoe Width	450.0 mm
Cab Height	2541.0 mm
Tail Swing with Counterweight	1645.0 mm
O/A Undercarriage Length	2880.0 mm
Maximum Dump Clearance	5072.0 mm
Transport Height	2522.0 mm
Boom Swing - Right	935.0 mm
Maximum Blade Depth	407.0 mm
Ground Clearance	350.0 mm
Stick Length	2358.0 mm
Maximum Reach	7637.0 mm
Maximum Reach - Ground Level	7460.0 mm
O/A Shipping Length	6656.0 mm
Boom In Reach	3215.0 mm
Swing Bearing - Height	756.0 mm
O/A Track Width	2300.0 mm
Tail Swing without Counterweight	1450.0 mm
Vertical Wall	3404.0 mm

BLADE

Height	431.0 mm
Width - Standard	2300.0 mm
Width - Wide	2450.0 mm

SWING SYSTEM

SWING SYSTEM

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

HYDRAULIC SYSTEM

Digging Force - Bucket	62.0 kN
Operating Pressure - Travel	285.0 bar
Operating Pressure - Swing	250.0 bar
Operating Pressure - Equipment	285.0 bar
Digging Force - Stick - Long	35.7 kN
Type	Load Sensing Hydraulics with Variable Displacement Piston Pump
Auxiliary Circuit - Primary - Pressure	285.0 bar
Auxiliary Circuit - Primary - Flow	131.0 l/min
Pump Flow at 2,400 rpm	167.0 l/min
Auxiliary Circuit - Secondary - Flow	33.0 l/min
Digging Force - Stick - Standard	42.3 kN
Auxiliary Circuit - Secondary - Pressure	285.0 bar

DIMENSIONS - STANDARD STICK

Cab Height	2541.0 mm
Vertical Wall	2991.0 mm
Boom In Reach	3059.0 mm
Tail Swing with Counterweight	1645.0 mm
Boom Swing - Right	935.0 mm

Track Belt/Shoe Width	450.0 mm
Maximum Reach	7141.0 mm
Stick Length	1823.0 mm
Transport Height	2487.0 mm
Maximum Blade Height	370.0 mm
Boom Swing - Left	604.0 mm
Maximum Blade Depth	407.0 mm
O/A Track Width	2300.0 mm
Maximum Dig Height	6736.0 mm
Maximum Dump Clearance	4760.0 mm
Maximum Reach - Ground Level	6949.0 mm
Tail Swing without Counterweight	1450.0 mm
O/A Undercarriage Length	2880.0 mm
Swing Bearing - Height	756.0 mm
Ground Clearance	350.0 mm
Dig Depth	4108.0 mm
O/A Shipping Length	6571.0 mm

SERVICE REFILL CAPACITIES

Fuel Tank	147.0 l
Hydraulic System	110.0 l
Hydraulic Tank	53.0 l
Cooling System	10.0 l
Engine Oil	11.2 l

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

WEIGHT INCREASE FROM MINIMUM CONFIGURATION

Steel Tracks with Pads	341.0 kg
Counterweight	250.0 kg
Long Stick	66.0 kg

CERTIFICATION - CAB

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

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 1.0 kg of refrigerant which has a CO2 equivalent of 1.430 metric tonnes.
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SOUND

Operator Sound Pressure (ISO 6396:2008)	72.0 dB(A)
Note	European Union Directive "2000/14/EC"
Average Exterior Sound Pressure (ISO 6395:2008)	99.0 dB(A)

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 Two Speed Travel

Extended Life Coolant, -37° C (-35° F)

Radial Seal – Double Element Air Filter

Fuel Water Separator with Indicator

Ecology Drain

Automatic Swing Brake

Automatic Engine Shutdown

Automatic Engine Idle

HYDRAULICS

Load Sensing/Flow Sharing Hydraulics

Variable Displacement Piston Pump

HYDO Advanced Hydraulic Oil

Hydraulic Temperature Monitoring

Power On Demand

Certified Accumulator

Smart Tech Electronic Pump

OPERATOR ENVIRONMENT

12V Power Socket

Rear Window Emergency Exit

Mounting Bosses for Top and Front Guards

Hydraulic Lockout Controls

Radio – Bluetooth®, USB, Auxiliary, Microphone

Assisted Front Window Overhead Storage

Travel Cruise Control

Fabric, High Back, Suspension Seat

Cup Holder

Control Pattern Changer

TOPS – ISO 12117:1997

Travel Pedals and Hand Levers

Literature Holder

Removable, Washable Floor Mat

Adjustable Wrist Rests

LED Interior Light

Retractable Seat Belt (75 mm/3 in)

ROPS – ISO 12117-2:2008

Color LCD Monitor

- Fuel Level and Coolant Temperature Gauges
- Maintenance and Machine Monitoring
- Performance and Machine Adjustments
- Numeric Security Code
- Multiple Languages
- Camera Ready
- Hour Meter with Wake Up Switch
- Jog Dial Control Interface

Skylight

Stick Steer Mode

Cat Key with Passcode Option

Coat Hook

Top Guard – ISO 10262:1998 (Level II)

Sealed and Pressurized Cab

HVAC with Automatic Temperature Control

Integrated Lower Front Window

Molded Footrests

Operator Sound Pressure 72 dB(A) ISO 6396:2008

UNDERCARRIAGE

Dozer Blade

Hydraulic Track Adjusters

Tie Down Eyes on Track Frame

Dozer Float

Greased and Lubricated Track

Bolt-on, Reversible Wear Edge

Rubber Tracks

BOOM, STICK AND LINKAGES

One Piece Boom (3400 mm/133.9 in)

Standard Stick (1820 mm/71.7 in)

Long Stick (2360 mm/92.9 in)

Front Shovel Capable (Pin-On/Manual Coupler/Hydraulic Coupler – not available in all regions)

Thumb Ready (not available in all regions)

Certified Lifting Eye (not available in all regions)

ELECTRICAL

12 Volt Electrical System

60 Ampere Alternator

900 CCA Maintenance Free Battery

Circuit Breaker

Ignition Key Stop Switch

Signaling/Warning Horn

Product Link™ Elite Lite (regulations apply)

Travel Alarm

308 CR OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Rain Visor

Air Suspension Heated Seat

ELECTRICAL

Rearview Camera

Rotating Beacon

OTHER

2nd Auxiliary Hydraulic Lines with Case Drain

Additional Counterweight

Boom and Stick Hose Burst Check Valves

Bucket Linkage with Lift Eye

Track Guides

Steel Tracks (450 mm/17.7 in wide)

Steel Track with Rubber Pads

Wide Steel Tracks (600 mm/23.6 in)

Attachments including Buckets, Augers and Hammers

Water Jacket Heater

Wide Dozer Blade

Refueling Pump

Variable Angle Boom (please see 308 CR VAB brochure for VAB specs and additional information)

Cab Guarding