

PRODUCT SPECIFICATIONS FOR 310

ENGINE

Net Power	52.4 kW
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Engine Model	Cat C3.3B
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Stroke	120 mm
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Rated Net Power - 2,200 rpm - U.S. EPA Tier 4 Final - ISO 9249/EEC 80/1269	52.4 kW
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Gross Power - ISO 14396	55.4 kW
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Bore	94 mm
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Displacement	3.33 l
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Rated Net Power - 2,200 rpm - EU Stage V - ISO 9249/EEC 80/1269	53.3 kW
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WEIGHTS

Operating Weight	10182 kg
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Minimum Operating Weight with Cab*	9601 kg
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Maximum Operating Weight with Cab**	10182 kg
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Note (2)	**Maximum Weight is based on steel tracks with rubber pads, counterweight, operator, full fuel tank, long stick, blade and no bucket.
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Note (1)	*Minimum Weight is based on steel tracks, no counterweight, operator, full fuel tank, long stick, blade and no bucket.
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DIMENSIONS

Dig Depth	5211 mm
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Transport Height	2884 mm
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Tail Swing without Counterweight	1800 mm
Cab Height	2607 mm
Swing Bearing Height	822 mm
Maximum Blade Height	355 mm
Boom in Reach	2272 mm
Maximum Reach	7644 mm
Vertical Wall	4873 mm
Track Belt/Shoe Width	450 mm
Tail Swing with Counterweight	1995 mm
Overall Track Width	2470 mm
Maximum Dump Clearance	5829 mm
Maximum Reach - Ground Level	7518 mm
Maximum Blade Depth	671 mm
Overall Shipping Length	6579 mm
Overall Undercarriage Length	3200 mm
Stick Length	2500 mm
Maximum Dig Height	7970 mm
Ground Clearance	356 mm

BLADE

Height	431 mm
Width - Standard	2470 mm
Width - Wide	2640 mm

HYDRAULIC SYSTEM

Operating Pressure - Swing	220 bar
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Operating Pressure - Swing	230 bar
Auxiliary Circuit - Primary - Pressure	285 bar
Digging Force - Bucket	77.7 kN
Auxiliary Circuit - Secondary - Pressure	285 bar
Operating Pressure - Travel	285 bar
Operating Pressure - Equipment	285 bar
Auxiliary Circuit - Secondary - Flow	33 l/min
Auxiliary Circuit - Primary - Flow	131 l/min
Digging Force - Stick	49.2 kN
Type	Load Sensing Hydraulics with Variable Displacement Piston Pump
Pump Flow at 2,400 rpm	233 l/min

TRAVEL SYSTEM

Maximum Traction Force - Low Speed	84.8 kN
Maximum Traction Force - High Speed	28.9 kN
Travel Speed - High	4.9 km/h
Travel Speed - Low	2.6 km/h
Ground Pressure - Maximum Weight	44.2 kPa
Ground Pressure - Minimum Weight	41.68 kPa
Gradeability - Maximum	30 degrees

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

SERVICE REFILL CAPACITIES

Hydraulic Tank	53 l
Cooling System	10 l
Engine Oil	11.2 l
Fuel Tank	145 l
Hydraulic System	140 l

WEIGHT INCREASE FROM MINIMUM CONFIGURATION

Counterweight	250 kg
Steel Tracks with Pads	330 kg

SOUND

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

SWING SYSTEM

Machine Swing Speed	10.6 r/min
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310 STANDARD EQUIPMENT

ENGINE

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

Automatic Engine Idle

Radial Seal – Double Element Air Filter

Cat C3.3B Diesel Engine (U.S. EPA Tier 4 Final/EU Stage V) – Electronic Engine, Turbo, Diesel Particulate Filter (DPF)

Fuel Water Separator with Indicator

Automatic Two Speed Travel

Automatic Swing Brake

Ecology Drain

Automatic Engine Shutdown

HYDRAULICS

Smart Tech Electronic Pump

Certified Accumulator

HYDO Advanced Hydraulic Oil

Power On Demand

Hydraulic Temperature Monitoring

Load Sensing/Flow Sharing Hydraulics

Variable Displacement Piston Pump

OPERATOR ENVIRONMENT

LED Interior Light

Fabric, High Back, Suspension Seat

Sealed and Pressurized Cab

Retractable Seat Belt (75 mm/3 in)

Molded Footrests

Integrated Lower Front Window

Travel Pedals and Hand Levers

HVAC with Automatic Temperature Control

Assisted Front Window Overhead Storage

Operator Sound Pressure 72 dB(A) ISO 6396

Travel Cruise Control

Cat Key with Passcode Option

Stick Steer Mode

Radio – Bluetooth®, USB, Auxiliary, Microphone

Control Pattern Changer

Skylight

Removable, Washable Floor Mat

Mounting Bosses for Top and Front Guards

Adjustable Wrist Rests

12V Power Socket

Coat Hook

Top Guard – ISO 10262:1998 (Level II)

Cup Holder

Hydraulic Lockout Controls

ROPS – ISO 12117-2:2008

Literature Holder

Rear Window Emergency Exit

Color LCD Monitor

Exhaust Temperature Gauges

Maintenance

Adjustments

Security

Multiple

Reentry

Washes

Diagnose

TOPS – ISO 12117:1997

UNDERCARRIAGE

Greased and Lubricated Track

Tie Down Eyes on Track Frame

Hydraulic Track Adjusters

Dozer Blade

Dozer Float

Bolt-on, Reversible Wear Edge

Steel Tracks (450 mm/17.7 in wide)

BOOM, STICK AND LINKAGES

One Piece Boom (4300 mm/169.3 in)

Long Stick (2500 mm/98.4 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

Battery Disconnect

Ignition Key Stop Switch

Signaling/Warning Horn

Product Link™ Elite Lite (regulations apply)

Travel Alarm

310 OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Rain Visor

Air Suspension Heated Seat

ELECTRICAL

Rearview Camera

Rotating Beacon

OTHER

2nd Auxiliary Hydraulic Lines with Case Drain

Wide Steel Tracks (600 mm/23.6 in)

Attachments including Buckets, Augers and Hammers

Boom and Stick Hose Burst Check Valves

Steel Track with Rubber Pads

Bucket Linkage with Lift Eye

Track Guides

Water Jacket Heater

Refueling Pump

Cab Guarding