

PRODUCT SPECIFICATIONS FOR 306 CR



ENGINE

Net Power	41.7 kW
Gross Power - ISO 14396	43.2 kW
Displacement	2.43 l
Bore	87 mm
Stroke	102.4 mm
Engine Model	Cat C2.4 Turbo
Net Power @ 2,200 rpm - U.S. EPA Tier 4 Final/EU Stage V - ISO 9249/EEC 80/1269	41.7 kW

WEIGHTS

Operating Weight	7150 kg
Minimum Operating Weight with Canopy*	6410 kg
Maximum Operating Weight with Canopy**	7090 kg
Note (2)	**Maximum Weight is based on steel tracks with pads, extra counterweight, operator, full fuel tank, long stick, fixed blade and no bucket.
Maximum Operating Weight with Cab**	7150 kg
Minimum Operating Weight with Cab*	6470 kg
Note (1)	*Minimum Weight is based on rubber tracks, operator, full fuel tank, standard stick, fixed blade and no bucket.

WEIGHT INCREASE FROM MINIMUM CONFIGURATION

Counterweight	250 kg
Long Stick	44 kg
Steel Tracks with Pads	375 kg
Angle Blade	102 kg
XTC Carriage (no tool)	64 kg

TRAVEL SYSTEM

Ground Pressure - Minimum Weight	35.4 kPa
Ground Pressure - Maximum Weight	39.1 kPa
Gradeability - Maximum	30 degrees
Maximum Traction Force - High Speed	31 kN
Maximum Traction Force - Low Speed	56 kN
Travel Speed - High	5 km/h
Travel Speed - Low	2.8 km/h

SERVICE REFILL CAPACITIES

Cooling System	10 l
Hydraulic System	104 l
Hydraulic Tank	53 l
Engine Oil	8 l
Fuel Tank	130 l

HYDRAULIC SYSTEM

Operating Pressure - Travel	24500 kPa
Auxiliary Circuit - Primary - Flow	90 l/min
Digging Force - Bucket	51.5 kN
Auxiliary Circuit - Primary - Pressure	24500 kPa
Type	Load Sensing Hydraulics with Variable Displacement Piston Pump
Auxiliary Circuit - Secondary - Flow	33 l/min
Operating Pressure - Equipment	24500 kPa
Auxiliary Circuit - Secondary - Pressure	24500 kPa
Digging Force - Stick - Standard	29.5 kN
Operating Pressure - Swing	22500 kPa
Digging Force - Stick - Long	26.5 kN
Pump Flow at 2,400 rpm	151 l/min

SWING SYSTEM

Boom Swing - Right	65 degrees
Boom Swing - Left	60 degrees
Machine Swing Speed	11 r/min

BLADE

Straight Blade Width	1980 mm
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Angle Blade Width	1980 mm
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Straight Blade Height	390 mm
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Angle Blade Height	400 mm
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CERTIFICATION - CAB

Top Guard	ISO 10262:1998 (Level II)
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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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Average Exterior Sound Pressure (ISO 6395:2008)	99 dB(A)
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Note	European Union Directive "2000/14/EC"
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DIMENSIONS - STANDARD STICK

Track Belt/Shoe Width	400 mm
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Maximum Reach	6295 mm
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Stick Length	1580 mm
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Vertical Wall	2710 mm
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Swing Bearing - Height	672 mm
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Maximum Reach - Ground Level	6130 mm
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Maximum Blade Height	415 mm
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Ground Clearance	306 mm
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Boom In Reach	2485 mm
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Boom Swing - Right	910 mm
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Transport Height	1755 mm
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Tail Swing with Counterweight	1475 mm
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Cab Height	2545 mm
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Width over Upper House	1950 mm
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Maximum Dump Clearance	4325 mm
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Tail Swing without Counterweight	1350 mm
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Boom Swing - Left	735 mm
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O/A Undercarriage Length	2580 mm
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Maximum Dig Height	5835 mm
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Maximum Blade Depth	600 mm
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O/A Track Width	1980 mm
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Dig Depth	3710 mm
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O/A Shipping Length	5975 mm
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DIMENSIONS - LONG STICK

Dig Depth	4110 mm
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Maximum Blade Height	415 mm
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O/A Track Width	1980 mm
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Track Belt/Shoe Width	400 mm
Tail Swing with Counterweight	1475 mm
Vertical Wall	3165 mm
Boom In Reach	2960 mm
Maximum Blade Depth	600 mm
Maximum Dig Height	6130 mm
Transport Height	2410 mm
Stick Length	1980 mm
Ground Clearance	306 mm
Swing Bearing - Height	672 mm
Width over Upper House	1950 mm
O/A Undercarriage Length	2580 mm
O/A Shipping Length	5950 mm
Cab Height	2545 mm
Maximum Reach	6685 mm
Boom Swing - Left	735 mm
Tail Swing without Counterweight	1350 mm
Boom Swing - Right	910 mm
Maximum Dump Clearance	4610 mm

Maximum Reach - Ground Level

6535 mm

AIR CONDITIONING SYSTEM

Air Conditioning The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1287). The system contains 0.9 kg of refrigerant which has a CO2 equivalent of 1.287 metric tonnes.

SUSTAINABILITY

Recyclability

96%

306 CR STANDARD EQUIPMENT

OPERATOR ENVIRONMENT – CAB AND CANOPY

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
Hydraulic Lockout Controls
High Back, Suspension Seat
Retractable Seat Belt (75 mm/3 in)
Coat Hook
Cup Holder
Literature Holder
Mounting Bosses for Top and Front Guards
Signaling/Warning Horn
Cab and (left side) Boom Work Lights
Utility Space for Mobile Phone
Next Generation Color LCD Monitor (IP66)
– 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

OPERATOR ENVIRONMENT – CAB ONLY

Operator Sound Pressure 72 dB(A) ISO 6396:2008
HVAC with Automatic Temperature Control
Integrated Lower Front Window
Assisted Front Window Overhead Storage
Rear Window Emergency Exit
LED Interior Light
12V Power Socket
Radio – Bluetooth®, Auxiliary, Microphone, USB (charging only)
Skylight
Jog dial interface

UNDERCARRIAGE

Greased and Lubricated Track
Hydraulic Track Adjusters
Tie Down Eyes on Track Frame
Dozer Straight Blade
Dozer Float
Bolt-on, Reversible Wear Edge
Rubber Tracks

BOOM, STICK AND LINKAGES

One Piece Boom (3055 mm/120.3 in)
Standard Stick (1580 mm/62.2 in)
Front Shovel Capable – Pin-on/Manual Coupler/Hydraulic Coupler for Cat Tools
Thumb Ready

ELECTRICAL

12 Volt Electrical System
90 Ampere Alternator
650 CCA Maintenance Free Battery
Battery Disconnect
Circuit Breaker
Ignition Key Stop Switch
Signaling/Warning Horn
Product Link™ Basic (regulations apply)
Travel Alarm

OTHER

Locks on External Enclosure Doors
Lockable Fuel Cap
Beacon Socket
Rear Reflectors

306 CR OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT – CAB AND CANOPY

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

OPERATOR ENVIRONMENT – CAB ONLY

Cab Heat Only

Air Suspension Heated Seat

UNDERCARRIAGE

Angle Blade

Extra Tool Carrier (XTC)

Steel Tracks (450 mm/17.7 in wide)

Steel Track with Rubber Pads

BOOM, STICK AND LINKAGES

Long Stick (190 mm/78 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)

Camera

Rotating Beacon

GUARDING

Heavy Duty Front Guard ISO 10262 1998 Level II

Mesh Front Guard ISO 10262 1998 Level I

Overhead Cab Guard ISO 10262 1998 Level II

Polycarbonate Front Window EN356 P5A (Cab Only)

Track Guards

OTHER

Additional Counterweight

Water Jacket Heater

Refueling Pump