

Product Specifications For 306 CR



Engine

Net Power	55.9 hp
Gross Power - ISO 14396	57.9 hp
Displacement	148 in ³
Bore	3.4 in
Stroke	4 in
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	55.9 hp

Weights

Operating Weight	15766 lb
Minimum Operating Weight with Canopy*	14134 lb
Maximum Operating Weight with Canopy**	15633 lb
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**	15766 lb
Minimum Operating Weight with Cab*	14266 lb
Note (1)	*Minimum Weight is based on rubber tracks, operator, full fuel tank, standard stick, fixed blade and no bucket.

Dimensions - Long Stick

Dig Depth	162 in
Maximum Blade Height	16 in
O/A Track Width	78 in
Track Belt/Shoe Width	16 in
Tail Swing with Counterweight	58 in
Vertical Wall	125 in
Boom In Reach	117 in
Maximum Blade Depth	24 in
Maximum Dig Height	241 in
Transport Height	95 in
Stick Length	78 in
Ground Clearance	12 in
Swing Bearing - Height	27 in
Width over Upper House	77 in
O/A Undercarriage Length	102 in
O/A Shipping Length	234 in
Cab Height	100 in
Maximum Reach	263 in
Boom Swing - Left	29 in

Tail Swing without Counterweight	53 in
Boom Swing - Right	36 in
Maximum Dump Clearance	182 in
Maximum Reach - Ground Level	257 in

Weight Increase From Minimum Configuration

Counterweight	551 lb
Long Stick	97 lb
Steel Tracks with Pads	827 lb
Angle Blade	225 lb
XTC Carriage (no tool)	141 lb

Travel System

Ground Pressure - Minimum Weight	5.1 psi
Ground Pressure - Maximum Weight	5.7 psi
Gradeability - Maximum	30 degrees
Maximum Traction Force - High Speed	6969 lbf
Maximum Traction Force - Low Speed	12589 lbf
Travel Speed - High	3.1 mile/h
Travel Speed - Low	1.7 mile/h

Service Refill Capacities

Cooling System	2.6 gal (US)
-----------------------	--------------

Hydraulic System	27.5 gal (US)
Hydraulic Tank	14 gal (US)
Engine Oil	2.1 gal (US)
Fuel Tank	34.3 gal (US)

Hydraulic System

Operating Pressure - Travel	3553 psi
Auxiliary Circuit - Primary - Flow	24 gal/min
Digging Force - Bucket	11578 lbf
Auxiliary Circuit - Primary - Pressure	3553 psi
Type	Load Sensing Hydraulics with Variable Displacement Piston Pump
Auxiliary Circuit - Secondary - Flow	9 gal/min
Operating Pressure - Equipment	3553 psi
Auxiliary Circuit - Secondary - Pressure	3553 psi
Digging Force - Stick - Standard	6632 lbf
Operating Pressure - Swing	3263 psi
Digging Force - Stick - Long	5957 lbf
Pump Flow at 2,400 rpm	40 gal/min

Swing System

Boom Swing - Right	65 degrees
--------------------	------------

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

Blade

Straight Blade Width	78 in
Angle Blade Width	78 in
Straight Blade Height	15.4 in
Angle Blade Height	15.7 in

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

Sound

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

Dimensions - Standard Stick

Track Belt/Shoe Width	16 in
Maximum Reach	248 in
Stick Length	62 in
Vertical Wall	107 in

Swing Bearing - Height	27 in
Maximum Reach - Ground Level	241 in
Maximum Blade Height	16 in
Ground Clearance	12 in
Boom In Reach	98 in
Boom Swing - Right	36 in
Transport Height	69 in
Tail Swing with Counterweight	58 in
Cab Height	100 in
Width over Upper House	77 in
Maximum Dump Clearance	170 in
Tail Swing without Counterweight	53 in
Boom Swing - Left	29 in
O/A Undercarriage Length	102 in
Maximum Dig Height	230 in
Maximum Blade Depth	24 in
O/A Track Width	78 in
Dig Depth	146 in
O/A Shipping Length	235 in

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