

# Product Specifications For 306 CR



## Engine

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

## Weights

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

## Dimensions - Long Stick

|                               |         |
|-------------------------------|---------|
| Dig Depth                     | 4110 mm |
| Maximum Blade Height          | 415 mm  |
| O/A Track Width               | 1980 mm |
| 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 |

## 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

|                            |            |
|----------------------------|------------|
| <b>Boom Swing - Right</b>  | 65 degrees |
| <b>Boom Swing - Left</b>   | 60 degrees |
| <b>Machine Swing Speed</b> | 11 r/min   |

## Blade

|                              |         |
|------------------------------|---------|
| <b>Straight Blade Width</b>  | 1980 mm |
| <b>Angle Blade Width</b>     | 1980 mm |
| <b>Straight Blade Height</b> | 390 mm  |
| <b>Angle Blade Height</b>    | 400 mm  |

## Certification - Cab

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

## Sound

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

## Dimensions - Standard Stick

|                              |         |
|------------------------------|---------|
| <b>Track Belt/Shoe Width</b> | 400 mm  |
| <b>Maximum Reach</b>         | 6295 mm |
| <b>Stick Length</b>          | 1580 mm |

|                                         |         |
|-----------------------------------------|---------|
| <b>Vertical Wall</b>                    | 2710 mm |
| <b>Swing Bearing - Height</b>           | 672 mm  |
| <b>Maximum Reach - Ground Level</b>     | 6130 mm |
| <b>Maximum Blade Height</b>             | 415 mm  |
| <b>Ground Clearance</b>                 | 306 mm  |
| <b>Boom In Reach</b>                    | 2485 mm |
| <b>Boom Swing - Right</b>               | 910 mm  |
| <b>Transport Height</b>                 | 1755 mm |
| <b>Tail Swing with Counterweight</b>    | 1475 mm |
| <b>Cab Height</b>                       | 2545 mm |
| <b>Width over Upper House</b>           | 1950 mm |
| <b>Maximum Dump Clearance</b>           | 4325 mm |
| <b>Tail Swing without Counterweight</b> | 1350 mm |
| <b>Boom Swing - Left</b>                | 735 mm  |
| <b>O/A Undercarriage Length</b>         | 2580 mm |
| <b>Maximum Dig Height</b>               | 5835 mm |
| <b>Maximum Blade Depth</b>              | 600 mm  |
| <b>O/A Track Width</b>                  | 1980 mm |
| <b>Dig Depth</b>                        | 3710 mm |

**O/A Shipping Length**

5975 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