

Product Specifications For 301.7 CR



Engine

| | |
|---------------------|---|
| Net Power | 21 hp |
| Engine Model | C1.1 |
| Emissions | Meets U.S. EPA Tier 4 Final and EU Stage V emission standards. |
| Bore | 3 in |
| Stroke | 3.2 in |
| Displacement | 69 in ³ |
| Note | Net power advertised is the power available at the flywheel when the engine is at rated speed and rated power when the engine is installed with the factory configured fan, air intake system, exhaust system, and alternator with a minimum alternator load. |
| Note (1) | Advertised power is tested per the specified standard in effect at the time of manufacture. |
| Engine Power | 21.6 hp |

Weights

| | |
|---|---|
| Operating Weight | 4222 lb |
| Minimum Operating Weight with Canopy* | 3946 lb |
| Maximum Operating Weight with Canopy** | 4222 lb |
| Note (2) | **Maximum Weight is based on steel tracks, operator, expandable undercarriage and full fuel tank. |
| Note (1) | *Minimum Weight is based on rubber tracks, operator, expandable undercarriage and full fuel tank. |

Note (3)

***CE Plate Weight is based on the most common EU configuration.
Includes 75 kg (165 lb) operator and full fuel tank and excludes bucket.

EU: CE Plate Weight***

4167 lb

Dimensions - Long Stick

| | |
|---|----------|
| Dig Depth | 100 in |
| Tail Swing | 25.6 in |
| O/A Shipping Height | 90.6 in |
| Maximum Blade Height | 10.6 in |
| Minimum Ground Clearance Below Undercarriage | 5.5 in |
| O/A Undercarriage Length | 62.6 in |
| Boom Height - Shipping Position | 40.9 in |
| Maximum Dump Clearance | 98.8 in |
| Track Belt/Shoe Width | 9.1 in |
| Maximum Dig Height | 137.4 in |
| Track Width - Expanded | 51.18 in |
| Maximum Reach - Ground Level | 159.8 in |
| Swing Bearing - Height | 17.4 in |
| Boom Swing - Left | 65 ° |
| Stick Length | 45.7 in |
| Vertical Wall | 74.4 in |

Track Width - Retracted 39 in

Boom Swing - Right 50 °

Note *Overall Shipping Length depends on blade position during shipment.

Maximum Reach 162.6 in

Boom In Reach 63.8 in

Overall Shipping Length* 141.3 in

Maximum Blade Depth 10.4 in

Blade

Height 8.9 in

Note *Expanded – 1300 mm (51 in)

Width* 39 in

Hydraulic System

Operating Pressure - Equipment 3553.4 psi

Operating Pressure - Swing 2132.1 psi

Digging Force - Stick - Standard 2135.7 lbf

Pump Flow at 2,400 rpm 17.4 gal/min

Auxiliary Circuit - Primary - Pressure 3553.4 psi

Digging Force - Bucket 3641.9 lbf

Auxiliary Circuit - Secondary - Pressure 3553.4 psi

| | |
|---|--|
| Operating Pressure - Travel | 3553.4 psi |
| Type | Load Sensing Hydraulics with Variable Displacement Piston Pump |
| Auxiliary Circuit - Secondary - Flow | 3.7 gal/min |
| Auxiliary Circuit - Primary - Flow | 8.7 gal/min |
| Digging Force - Stick - Long | 1865.9 lbf |

Dimensions - Standard Stick

| | |
|--|----------|
| Track Belt/Shoe Width | 9.1 in |
| Overall Shipping Length* | 142.5 in |
| Track Width - Expanded | 51.18 in |
| O/A Undercarriage Length | 62.6 in |
| Maximum Reach - Ground Level | 153.5 in |
| Boom Height - Shipping Position | 42.9 in |
| Boom Swing - Left | 65 ° |
| Maximum Reach | 156.3 in |
| Maximum Blade Depth | 10.4 in |
| Dig Depth | 92.5 in |
| Maximum Dump Clearance | 96.5 in |
| Maximum Blade Height | 10.6 in |
| Tail Swing | 25.6 in |

| | |
|---|---|
| Boom In Reach | 64.2 in |
| Minimum Ground Clearance Below Undercarriage | 5.5 in |
| O/A Shipping Height | 90.6 in |
| Swing Bearing - Height | 17.4 in |
| Stick Length | 37.8 in |
| Vertical Wall | 70.9 in |
| Boom Swing - Right | 50 ° |
| Track Width - Retracted | 39 in |
| Maximum Dig Height | 135 in |
| Note | *Overall Shipping Length depends on blade position during shipment. |

Travel System

| | |
|--|------------|
| Maximum Traction Force - High Speed | 2675.2 lbf |
| Travel Speed - High | 2.7 mile/h |
| Ground Pressure - Maximum Weight | 4.4 psi |
| Travel Speed - Low | 1.8 mile/h |
| Maximum Traction Force - Low Speed | 4136.5 lbf |
| Gradeability - Maximum | 30 degrees |
| Ground Pressure - Minimum Weight | 4 psi |

Service Refill Capacities

| | |
|------------|--------------|
| Engine Oil | 1.2 gal (US) |
|------------|--------------|

| | |
|----------------|--------------|
| Hydraulic Tank | 4.8 gal (US) |
|----------------|--------------|

| | |
|-----------|--------------|
| Fuel Tank | 5.8 gal (US) |
|-----------|--------------|

| | |
|----------------|------------|
| Cooling System | 1 gal (US) |
|----------------|------------|

| | |
|------------------|--------------|
| Hydraulic System | 6.9 gal (US) |
|------------------|--------------|

Sound

| | |
|---|----------|
| Average Exterior Sound Pressure (ISO 6395:2008) | 93 dB(A) |
|---|----------|

| | |
|------|---------------------------------------|
| Note | European Union Directive "2000/14/EC" |
|------|---------------------------------------|

Weight Increase From Minimum Configuration

| | |
|--------------|--------|
| Steel Tracks | 110 lb |
|--------------|--------|

| | |
|------------|-------|
| Long Stick | 22 lb |
|------------|-------|

| | |
|--------------------------|----------|
| Expandable Undercarriage | Standard |
|--------------------------|----------|

| | |
|---------------------|--------|
| Heavy Counterweight | 148 lb |
|---------------------|--------|

Swing System

| | |
|---------------------|-----------|
| Machine Swing Speed | 9.8 r/min |
|---------------------|-----------|

Certification - Canopy

| | |
|---------------------------------------|------------------|
| Roll Over Protective Structure (ROPS) | ISO 12117-2:2008 |
|---------------------------------------|------------------|

| | |
|-----------|--------------------------|
| Top Guard | ISO 10262:1998 (Level I) |
|-----------|--------------------------|

| | |
|--------------------------------------|----------------|
| Tip Over Protective Structure (TOPS) | ISO 12117:1997 |
|--------------------------------------|----------------|

Sustainability

301.7 CR Standard Equipment

ENGINE

Cat C1.1 Engine (U.S. EPA Tier 4 Final/EU Stage V)
Automatic Engine Idle
Automatic Engine Shutdown
Automatic Two Speed Travel
Fuel Water Separator
Power on Demand (not available in all regions)
Variable Displacement Piston Pump
Load Sensing/Flow Sharing Hydraulics

HYDRAULICS

Smart Tech Electronic Pump
Accumulator
Automatic Swing Brake
Auxiliary Hydraulic Lines
One and Two Way Auxiliary Flow
Continuous Auxiliary Flow
Auxiliary Line Quick Disconnects

OPERATOR ENVIRONMENT

Tilt-up Canopy
Top Guard ISO 10262:1998 Level I
ROPS – ISO 12117-2:2008
TOPS – ISO 12117:1997
Machine 2-Point Lifting
Stick Steer Mode
Travel Cruise Control
Control Pattern Changer (optional in some regions)
Adjustable Wrist Rests
Washable Floor Mat
Travel Pedals and Hand Levers
Machine Security
Machine Security – Standard Key with Pass Code
Vinyl Non-Suspension Seat
Hydraulic Lockout – All Controls
Retractable High Visibility Seat Belt (75 mm/3 in)
Coat Hook
Cup Holder
Storage Pocket
Skylight
Mounting Bosses for Front

Signaling/Warning Horn
Boom Light, Halogen
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
– Hour Meter with Wake Up Switch

UNDERCARRIAGE

Expandable Undercarriage
Rubber Belt (230 mm/9 in wide)
Dozer Blade
Dozer Blade Float
Hydraulic Track Adjusters
Tie Downs on Track Frame

BOOM, STICK AND LINKAGES

One Piece Boom (1780 mm/70 in)
Standard Stick (960 mm/37.8 in)
Front Shovel Capable
Front Shovel Capable – Pin-On
Thumb Ready (not available in all regions)
Certified Lifting Eye (optional in some regions)

ELECTRICAL

12 Volt Battery
Software (machine and monitor)
Maintenance Free Battery
Signaling/Warning Horn
12 Volt Power Socket

301.7 CR Optional Equipment

OPERATOR ENVIRONMENT

Control Pattern Changer (optional in some regions)
No Travel Pedals and Hand Levers
Machine Security – Push to Start with Key Fob/Pass Code
Vinyl Suspension Seat
LED Front Lights
LED Front and Rear Lights
LED Boom Light
Mirrors Left and Right
Seat Belt Reminder System

UNDERCARRIAGE

Steel Track (230 mm/9 in wide)

BOOM, STICK AND LINKAGES

Long Stick (1160 mm/45.7 in)

Front Shovel Capable – Dual Lock Manual Coupler

Attachments including Couplers, Thumbs, Buckets, Augers and Hammers

2nd Auxiliary Hydraulic Lines

Boom Lowering Check Valve

Stick Lowering Check Valve

Hydraulic Quick Coupler Lines (not available in all regions)

ELECTRICAL

Battery Disconnect

Product Link PL243 (regulations apply)

Product Link PLE643 (regulations apply)

Travel Alarm (standard in some regions)

GUARDING

Polycarbonate Front Guard (ISO 10262 1998 Level I and EN356 PSA)

Polycarbonate Half Height Front Guard (Canopy only)

OTHER

Bio Oil Capable

Eco Drain

Water Jacket Heater

Heavy Counterweight