RT-120 Forestry
Compact Track Loader

RT-120 Forestry
Brief Specifications

Operating weight: 12,255 lbs | 5559 kg
Tipping load: 10,700 lbs | 4853 kg
Ground pressure: 4.3 psi | 29.7 kPa
Gross engine power: 120 hp | 89.5 kW
**OPERATING SPECIFICATIONS**

- **Loader arms**: Radial
- **Operating weight**: 12,255 lbs | 5559 kg
- **Shipping weight**: 11,381 lbs | 5162 kg
- **Ground pressure @ operating weight**: 4.3 psi | 29.7 kPa
- **Rated operating capacity, 35% of tipping load**: 3,745 lbs | 1699 kg
- **Rated operating capacity, 50% of tipping load**: 5,350 lbs | 2427 kg
- **Tipping load**: 10,700 lbs | 4853 kg
- **Travel speed, maximum - 1st speed**: 6 mph | 9.7 kph
- **Travel speed, maximum - 2nd Speed**: 10 mph | 16 kph

**ENGINE**

- **Type**: Diesel, 4-cylinder, intercooled, turbocharged
- **Model**: Cummins QSF3.8
- **Displacement**: 232 in³ | 3.8 L
- **Gross power rating @ 2800 rpm**: 120 hp | 89.5 kW
- **Torque, peak**: 360 ft-lb | 488 Nm
- **Cooling system**: Temperature-controlled, variable speed and operator time-selectable, hydraulically-driven, auto-reversing fan and coolant/anti-freeze-filled radiator
- **Intake air cleaner**: Three-stage
- **Emission controls**: Meets all U.S. EPA Tier 4 final standards
- **Standard feature**: Auto idle

**UNDERCARRIAGE**

- **Track type**: General purpose track constructed of rubber compound with embedded co-polymer cords and all-purpose treads.
- **Track width**: 20 in. | 508 mm
- **Length of track on ground**: 71 in | 1803 mm
- **Ground contact area**: 2,840 in² | 1.83 m²
- **Drive system**: Two hydrostatic direct drive sprockets controlled by a single joystick
- **Track drive sprocket**: Elevated with low friction, replaceable sprocket rollers
- **Undercarriage suspension**: Two independent torsion axles per undercarriage
- **Roller wheels**: 24 high-density polyurethane and rubber wheels per track. Wheels include sealed bearings
- **Roller wheel diameter**:
  - Front and rear wheels: 15 in. | 381 mm
  - Middle wheels: 10 in. | 254 mm

* Machine tested with foundry bucket

**AUX. HYDRAULIC SYSTEM**

- **Pump capacity**: Low - variable from 0-20 gpm | 75.7 lpm.
  High - variable from 30 gpm | 114 lpm
to 45 gpm | 170 lpm
- **System pressure**, Low - 3,300 psi | 22 750 kPa
  High - 4,060 psi | 27 993 kPa
- **Controls**: Intermittent via joystick button or continuous via console switch. High-flow is adjustable and loader/auxiliary sharing is adjustable via machine display
- **Couplers**: Push-to-connect quick couplers mounted on loader arms. Pressure relief valve on coupler block
- **Cooling system**: High efficiency side-by-side radiator and oil cooler

**ELECTRICAL SYSTEM**

- **Nominal charge**: 12 V
- **Battery**: 950 CCA
- **Charging system**: 120 amp alternator
- **Outlets**: 1-12 V port inside operator station
- **Wiring**: Pre-wired for all factory-available accessories
- **Standard features**: Attachment control kit, block heater

**OPERATOR STATION**

- **Seat**: Adjustable contour vinyl with built-in operator presence switch, lap bar and 2 in | 51 mm wide seat belt
- **Loader control**: Right-hand pilot electronic joystick controls loader lift, lower and tilt, plus intermittent control of auxiliary hydraulic. Loader speed is adjustable and selectable from ISO or H control pattern.
- **Drive control**: Left-hand pilot electronic joystick controls machine speed and direction. Track speed is adjustable, includes a Creep Mode and is selectable from ISO or H control pattern.
- **Engine speed**: Hand-operated throttle
- **Machine display**: Engine RPM, fuel level, coolant temperature, air inlet temperature, engine oil pressure, voltage, hydraulic oil temperature, travel speed, DEF level, engine hourmeter, trip meter self-diagnostics including stored history, air filter indicator, loader/aux. hydraulic sharing, auxiliary hydraulic flow, winch (optional) control
- **Illumination**: 2 - Adjustable forward-facing halogen lights
  1 - Interior light
- **Convenience**: 12 V power port
- **Standard features**: Horn, backup alarm, rear view camera
DIMENSIONS

RT-120
FORESTRY

90 in. / 2278 mm
15 in. / 381 mm
33 in. / 838 mm
20 in. / 508 mm

91 in. / 2311 mm
71 in. / 1803 mm
131 in. / 3327 mm
163 in. / 4135 mm

125 in. / 3175 mm
24 in. / 610 mm
73 in. / 1854 mm

25°
45°
29°
## Service Refill Capacities

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>30 gal</td>
<td>114 L</td>
</tr>
<tr>
<td>Hydraulic tank</td>
<td>22 gal</td>
<td>83 L</td>
</tr>
<tr>
<td>Engine coolant/antifreeze</td>
<td>5.5 gal</td>
<td>20.8 L</td>
</tr>
<tr>
<td>Engine oil, including filter</td>
<td>12 quarts</td>
<td>11.4 L</td>
</tr>
</tbody>
</table>

## Optional Attachments

- Dirt bucket, 74 inch | 1876 mm wide
- Tooth bar, 74 inch | 1876 mm wide
- Loftness mulching head, 61 inch | 1549 mm wide
- Loftness mulching head w/Quadco teeth, 61 inch | 1549 mm wide

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Effective Date: May 2016

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