The Cat® 299D3 XE Land Management Compact Track Loader is a segment focused machine solution for customers involved in demanding vegetation-management applications, ranging from mulching, brush-cutting, vegetation control, and mowing. The standard suspended undercarriage combined with steel tracks provide superior traction, flotation, and stability to work in a wide range of applications and underfoot conditions.

The 299D3 XE Land Management machine’s powerful Cat C3.8 engine combined with its high-flow/high-pressure auxiliary hydraulic system to deliver a calculated hydraulic power rating of 70 kW (94 hp), resulting in optimum performance when powering high-production, hydro-mechanical attachments. The 299D3 XE Land Management features the following:

- **Industry leading sealed and pressurized cab** provides a cleaner and quieter operating environment with excellent Work Tool visibility.
- **Available high-back, heated, air ride seat with seat mounted adjustable joystick controls** makes Cat Compact Track Loaders the industry leader in operator comfort.
- **High performance power train** provides maximum performance and production capability through the Electronic Torque Management system, and an electronic hand/foot throttle with decel pedal capability.
- **XE hydraulic system** provides high flow and high pressure that delivers industry leading hydraulic horsepower to efficiently run even the most power hungry work tools.
- **Extended working time** provided by large capacity external fuel tanks (220 L/58 gal – total).
- **Factory-equipped guarding and sealing** components to provide additional protection for areas that could be exposed to damage and to help reduce debris entry.
- **Standard fully independent torsion axle suspension** combined with the Speed Sensitive Ride Control system improves operation on rough terrain, enabling better load retention, increased productivity and greater operator comfort.
- **Maximize machine capability and control** with the standard Advanced Display providing on-screen adjustments for implement response, hystat response, and creep control, multi-language functionality with customizable layouts, security system, and rearview camera.
- **Ground level access** to all daily service and routine maintenance points helps reduce machine downtime for greater productivity.
- **Broad range of performance matched Cat Work Tool Attachments** make the Cat Compact Track Loader the most versatile machine on the job site.

### Specifications

#### Engine

<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Cat C3.8 DIT (turbo)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Power SAE J1995</td>
<td>82 kW 110 hp</td>
</tr>
<tr>
<td>Net Power SAE 1349</td>
<td>79 kW 106 hp</td>
</tr>
<tr>
<td>Net Power ISO 9249</td>
<td>80 kW 107 hp</td>
</tr>
<tr>
<td>peak Torque at 1,500 rpm SAE J1995</td>
<td>374 N·m 276 lbf-ft</td>
</tr>
<tr>
<td>Displacement</td>
<td>3.8 L 232 in³</td>
</tr>
<tr>
<td>Stroke</td>
<td>120 mm 4.7 in</td>
</tr>
<tr>
<td>Bore</td>
<td>100 mm 3.9 in</td>
</tr>
</tbody>
</table>

#### Weights*

| Operating Weight | 6188 kg 13,613 lb |

*Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, single speed, ride control, enclosed cab with polycarbonate door, side windows, air conditioning, air ride seat, advanced display, rearview camera, 1,000 CCA battery, dual direction self level, 2036 mm (80 in) low profile bucket, 355 mm (14 in) steel tracks, and manual quick coupler.

### Power Train

<table>
<thead>
<tr>
<th>Travel Speed (Forward or Reverse):</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Speed</td>
</tr>
</tbody>
</table>

### Hydraulic System

<table>
<thead>
<tr>
<th>Hydraulic Flow – XE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Loader Hydraulic Pressure</td>
</tr>
<tr>
<td>Maximum Loader Hydraulic Flow†</td>
</tr>
<tr>
<td>Hydraulic Power (calculated)</td>
</tr>
</tbody>
</table>

**Standard Flow Mode:**

| Loader Hydraulic Pressure | 23 000 kPa 3,335 psi |
| Loader Hydraulic Flow | 86 L/min 23 gal/min |
| Hydraulic Power (calculated) | 33 kW 44 hp |

†When equipped with Cat 400 Series work tools.
# 299D3 XE Land Management Compact Track Loader

## Dimensions*

<table>
<thead>
<tr>
<th>Dimension</th>
<th>mm</th>
<th>in</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Length of Track on Ground</td>
<td>1767</td>
<td>69.6</td>
</tr>
<tr>
<td>2 Overall Length of Track</td>
<td>2270</td>
<td>89.4</td>
</tr>
<tr>
<td>3 Length without Bucket</td>
<td>3189</td>
<td>125.5</td>
</tr>
<tr>
<td>4 Length with Bucket on Ground</td>
<td>3931</td>
<td>154.7</td>
</tr>
<tr>
<td>5 Height to Top of Cab</td>
<td>2125</td>
<td>83.6</td>
</tr>
<tr>
<td>6 Maximum Overall Height</td>
<td>4032</td>
<td>158.7</td>
</tr>
<tr>
<td>7 Bucket Pin Height at Maximum Lift</td>
<td>3208</td>
<td>126.3</td>
</tr>
<tr>
<td>8 Bucket Pin Height at Carry Position</td>
<td>180</td>
<td>7.1</td>
</tr>
<tr>
<td>9 Reach at Maximum Lift and Dump</td>
<td>852</td>
<td>33.6</td>
</tr>
<tr>
<td>10 Clearance at Maximum Lift and Dump</td>
<td>2399</td>
<td>94.5</td>
</tr>
<tr>
<td>11 Ground Clearance</td>
<td>245</td>
<td>9.6</td>
</tr>
</tbody>
</table>

## Operating Specifications*

**Rated Operating Capacity:**

- 35% Tipping Load
  - kg: 2195
  - lb: 4,830
- 50% Tipping Load
  - kg: 3135
  - lb: 6,900
- Tipping Load
  - kg: 6275
  - lb: 13,800
- Breakout Force, Tilt Cylinder
  - kg: 3298
  - lb: 7,270
- Breakout Force, Lift Cylinder
  - kg: 2795
  - lb: 6,162
- Ground Contact Area (355 mm/14 in track)
  - m²: 1.23
  - in²: 1,914
- Ground Pressure (355 mm/14 in track)
  - kPa: 49.1
  - psi: 7.1

## Cab

- ROPS: ISO 3471:2008
- FOPS: ISO 3449:2005 Level I

## Service Refill Capacities

<table>
<thead>
<tr>
<th>Capacity</th>
<th>L</th>
<th>gal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling System</td>
<td>16</td>
<td>4.1</td>
</tr>
<tr>
<td>Diesel Exhaust Fluid (DEF)</td>
<td>19</td>
<td>5</td>
</tr>
<tr>
<td>Engine Crankcase</td>
<td>13</td>
<td>3.5</td>
</tr>
<tr>
<td>Fuel Tank</td>
<td>220</td>
<td>58</td>
</tr>
<tr>
<td>Hydraulic System</td>
<td>55</td>
<td>14.5</td>
</tr>
<tr>
<td>Hydraulic Tank</td>
<td>39</td>
<td>10.3</td>
</tr>
</tbody>
</table>

## Noise Level

- Inside Cab**: 83 dB(A)
- Outside Cab***: 104 dB(A)

**The declared dynamic operator sound pressure levels per ISO 6396:2008. The measurements were conducted with the cab doors and windows closed and at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.

***The labeled sound power level for the CE marked configurations when measured according to the test procedure and conditions specified in 2000/14/EC.

## Air Conditioning System (if equipped)

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.81 kg of refrigerant which has a CO₂ equivalent of 1.158 metric tonnes.
MANDATORY EQUIPMENT
- Quick Coupler, Mechanical
- High Visibility Seat Belt, 50 mm (2 in) or 75 mm (3 in)

PERFORMANCE PACKAGE
- Performance Package H3: XE Hydraulics, Dual Direction Electronic Self Level (Raise and Lower), Work Tool Return to Dig, Work Tool Positioner, and Electronic Snubbing (Raise and Lower)

STANDARD EQUIPMENT

ELECTRICAL
- 12 volt Electrical System
- 100 ampere Alternator
- Ignition Key Start/Stop Switch
- Lights: Gauge Backlighting, Two Rear Tail Lights, Two Rear LED Working Lights, Two Adjustable Front LED Lights, Dome Light
- Backup Alarm
- Heavy Duty Battery, 1,000 CCA, with Battery Disconnect

OPERATOR ENVIRONMENT
- Gauges: Fuel Level, DEF Level, Hour Meter
- High Back Cloth Seat with Air Suspension, Heated with Recline and Lumbar Support and Fully Adjustable Seat Mounted Controls
- Fold In Ergonomic Contoured Armrest
- Control Interlock System, when operator leaves seat or armrest raised: Hydraulic System Disables, Hydrostatic Transmission Disables, Parking Brake Engages
- ROPS Cab, Enclosed, Tilt Up
- FOPS, Level I
- Top, Rear and Side Windows
- Headliner, Deluxe
- Floor Mat
- Interior Rearview Mirror
- USB Charging Port
- Horn
- Hand (Dial) and Foot Throttle, Electronic with Decel Feature
- Advanced Display with Rearview Camera: Full Color, 127 mm (5 in) LCD screen; Advanced Multi-operator Security System; On-screen Adjustments for Implement Response, Hystat Response and Creep Control
- Storage Compartment with Netting

POWER TRAIN
- Cat C3.8, Turbo Diesel Engine, Meeting U.S. EPA Tier 4 Final and EU Stage IV Emission Standards
- Air Cleaner, Dual Element, Radial Seal
- S·O·S™ Sampling Valve, Hydraulic Oil Filter, Cartridge-type, Hydraulic Filter, Canister-type, Fuel and Water Separator
- Radiator/Hydraulic Oil Cooler (side-by-side)
- Spring Applied, Hydraulically Released, Wet Multi Disc Parking Brakes
- Hydrostatic Transmission, Single Speed Travel
- Suspension – Independent Torsion Axles (4)
- Speed Sensitive Ride Control

OTHER
- Engine Enclosure, Lockable
- Extended Life Antifreeze, –37° C (–34° F)
- Machine Tie Down Points (6)
- Support, Lift Arm
- Hydraulic Oil Level Sight Gauge
- Radiator Coolant Level Sight Gauge
- Radiator, Expansion Bottle
- Cat ToughGuard™ Hose
- Auxiliary, Hydraulics, Continuous Flow
- Split D-Ring to Route Work Tool Hoses Along Side of Left Lift Arm
- Electrical Outlet, Beacon
- Belly and Engine Compartment Access Panels for Cleanout
- Variable Speed Demand Fan with Reversing Functionality
- Steel Track (Sealed and Lubricated – SALT) ~ 355 mm (14.0 in) with Triple Grouser Track Shoes
- Product Link™ PL240, Cellular
- Fire Extinguisher Mounting Bracket (in-cab)
- Screw-to-Connect Auxiliary Hydraulic Couplings (¼ in)
- Push-to-Connect Flat Faced Auxiliary Hydraulic Couplings (½ in)
- Debris Guarding (external and turbo)
- Precleaner for Engine Air Intake
- Additional Machine Guarding
- Drive-line Guarding
- Turbo Guard
- Additional Machine Sealing
299D3 XE Land Management Compact Track Loader

OPTIONAL ATTACHMENTS

- Beacon, Rotating
- Engine Block Heater – 120V
- Oil, Hydraulic, Cold Operation
- Paint, Custom
- Product Link PL641, Cellular
- Bluetooth® Radio with Microphone (AM/FM/Weather Band Receiver with USB and Auxiliary Input Jack)
- Roof Mounted Auxiliary Hydraulic Cooler