FEATURES:
The Cat® 247B Series 2 Multi Terrain Loader, with its radial lift design, delivers excellent digging performance with outstanding drawbar power. Its suspended undercarriage system provides superior traction, flotation and the ability to work in a wide range of underfoot conditions. The 247B Series 2 features the following:

- **Ergonomic operator station** features easy to use pilot operated joystick controls for reduced operator fatigue and increased productivity.
- **High performance power train** provides high engine horsepower and torque, allowing part-throttle operation for lower sound levels and fuel consumption.
- **Advanced hydraulic system** is designed for maximum power and reliability.
- **Single level suspension undercarriage** provides low ground pressure, stability, high traction and fast travel.
- **Easy routine maintenance** helps reduce machine downtime for greater productivity.
- **Broad range of performance matched Cat® Work Tools** make the Cat Multi Terrain Loader the most versatile machine on the jobsite.

### Specifications

<table>
<thead>
<tr>
<th>Engine</th>
<th>Operating Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Model</td>
<td>Cat® C2.2 T</td>
</tr>
<tr>
<td>Gross Power SAE J1995</td>
<td>45.5 kW 61 hp</td>
</tr>
<tr>
<td>Net Power SAE 1349</td>
<td>42 kW 56 hp</td>
</tr>
<tr>
<td>Displacement</td>
<td>2.2 L 134 in²</td>
</tr>
<tr>
<td>Stroke</td>
<td>100 mm 3.9 in</td>
</tr>
<tr>
<td>Bore</td>
<td>84 mm 3.3 in</td>
</tr>
<tr>
<td>Weights</td>
<td></td>
</tr>
<tr>
<td>Operating Weight</td>
<td>3174 kg 6,997 lb</td>
</tr>
<tr>
<td>Power Train</td>
<td></td>
</tr>
<tr>
<td>Travel Speed (Forward or Reverse)</td>
<td>12.2 km/h 7.6 mph</td>
</tr>
<tr>
<td>Hydraulic System</td>
<td></td>
</tr>
<tr>
<td>Hydraulic Flow – Standard:</td>
<td></td>
</tr>
<tr>
<td>Loader Hydraulic Pressure</td>
<td>23 000 kPa 3,335 psi</td>
</tr>
<tr>
<td>Loader Hydraulic Flow</td>
<td>60 L/min 15.6 gal/min</td>
</tr>
<tr>
<td>Hydraulic Power</td>
<td>22.7 kW 30.4 hp</td>
</tr>
<tr>
<td>Operating Specifications</td>
<td></td>
</tr>
<tr>
<td>Rated Operating Capacity:</td>
<td></td>
</tr>
<tr>
<td>35% Tipping Load</td>
<td>650 kg 1,435 lb</td>
</tr>
<tr>
<td>50% Tipping Load</td>
<td>929 kg 2,050 lb</td>
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<tr>
<td>Tipping Load</td>
<td>1859 kg 4,100 lb</td>
</tr>
<tr>
<td>Breakout Force, Tilt Cylinder</td>
<td>1842 kg 4,060 lb</td>
</tr>
<tr>
<td>Ground Contact Area</td>
<td>1.14 m² 1,770 in²</td>
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<tr>
<td>Ground Pressure</td>
<td>27.3 kPa 4.0 psi</td>
</tr>
<tr>
<td>Cab</td>
<td></td>
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<tr>
<td>ROPS</td>
<td>SAE J1040 MAY94, ISO 3471:1994</td>
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<tr>
<td>FOPS</td>
<td>SAE J/ISO 3449 APR98 Level I, ISO 3449:1992 Level I</td>
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<tr>
<td>Service Refill Capacities</td>
<td></td>
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<tr>
<td>Cooling System</td>
<td>10 L 2.6 gal</td>
</tr>
<tr>
<td>Engine Crankcase</td>
<td>10 L 2.6 gal</td>
</tr>
<tr>
<td>Fuel Tank</td>
<td>65 L 17 gal</td>
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<tr>
<td>Hydraulic System</td>
<td>55 L 14.5 gal</td>
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<tr>
<td>Hydraulic Tank</td>
<td>35 L 9.2 gal</td>
</tr>
</tbody>
</table>
247B Series 2 Multi Terrain Loader

STANDARD EQUIPMENT

ELECTRICAL
- 12 volt Electrical System
- 85 ampere Alternator
- Ignition Key Start/Stop Switch
- Lights: Gauge Backlighting, Two Rear Tail Lights, Two Adjustable Front and Rear Halogen Lights, Dome Light

OPERATOR ENVIRONMENT
- Gauges: Fuel Level, Hour Meter
- Operator Warning System Indicators: Air Filter Restriction, Alternator Output, Armrest Raised/Operator Out of Seat, Engine Coolant Temperature, Engine Oil Pressure, Glow Plug Activation, Hydraulic Filter Restriction, Hydraulic Oil Temperature, Parking Brake Engaged
- Vinyl Seat
- Pull Down Ergonomic Contoured Armrest
- Control Interlock System, when operator leaves seat or armrest raised:
  - Hydraulic System Disables, Hydrostatic Transmission Disables, Parking Brake Engages
  - ROPS Cab, Open, Tilt Up
  - FOPS, Level I
  - Top and Rear Windows
  - Headliner, Deluxe
  - Floor Mat
  - Interior Rear View Mirror
  - 12 volt Electric Socket
  - Backup Alarm
  - Horn

POWER TRAIN
- Cat® C2.2 T Tier 4 Interim Compliant Diesel Engine
- Air Cleaner, Dual Element, Radial Seal
- S-O-S™ Sampling Valves, Engine Oil and Hydraulic Oil
- Filters: Spin on, Hydraulic
- Filters: Bayonet-type, Fuel and Water Separator
- Tilt Up Radiator/Hydraulic Oil Cooler
- Muffler, Standard
- Spring Applied, Hydraulically Released, Wet Multi Disc Parking Brakes
- Hydrostatic Transmission

OTHER
- Engine Enclosure, Lockable
- Extended Life Antifreeze, −36° C (−33° F)
- Machine Tie Down Points (4)
- Support, Lift Arm
- Hydraulic Oil Level Sight Gauge
- Radiator Coolant Level Sight Gauge
- Radiator, Expansion Bottle
- Cat® ToughGuard™ Hose
- Auxiliary, Hydraulics, Continuous Flow
- Heavy Duty, Flat Faced Quick Disconnects
- Split D-Ring to Route Work Tool Hoses Along Side of Left Lift Arm
- Electrical Outlet, Beacon
- Belly Pan Cleanout

OPTIONAL ATTACHMENTS
- Beacon, Rotating
- Engine Block Heater – 120V or 240V
- Oil, Hydraulic, Cold Operation
- Paint, Custom
- Heavy Duty Battery, 850 CCA

Mandatory Equipment

- Quick Coupler, Mechanical or Hydraulic
- Seat Belt, 50 mm (2 in) or 75 mm (3 in)

Comfort Package (must select one of the following)

- Open ROPS (C0): Static Seat
- Open ROPS (C1): Suspension Seat, Cup Holder
- Enclosed ROPS (C2): C1 + Heater, Cab Door, Side Windows, Cab Debris Barrier
- Enclosed ROPS (C3): C2 + Air Conditioner

Control Package (must select one of the following)

- Control Package 1: On/Off Auxiliary Hydraulics Basic
- Control Package 2: Proportional Auxiliary Hydraulics Deluxe

Dimensions

1 Length of Track on Ground 1499 mm 59 in
2 Overall Length of Track 1899 mm 75 in
3 Length w/o Bucket 2518 mm 99 in
4 Length w/Bucket on Ground 3285 mm 129 in
5 Height to Top of Cab 1900 mm 78 in
6 Maximum Overall Height 3799 mm 150 in
7 Bucket Pin Height at Maximum Lift 2862 mm 112 in
8 Bucket Pin Height at Carry Position 234 mm 9.3 in
9 Reach at Maximum Lift and Dump 625 mm 25 in
10 Clearance at Maximum Lift and Dump 2134 mm 84 in
11 Ground Clearance 267 mm 10 in
12 Departure Angle 41°
13 Maximum Dump Angle 40°
14 Vehicle Width 1676 mm 66 in
15 Turning Radius from Center – Machine Rear 1356 mm 53.4 in
16 Turning Radius from Center – Coupler 1318 mm 51.9 in
17 Turning Radius from Center – Bucket 2157 mm 84.9 in
18 Maximum Reach w/Arms Parallel to Ground 1395 mm 54.9 in
19 Rack Back Angle at Maximum Height 96.7°

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