277C
Multi Terrain Loader
Joint Services

Cat® C3.4 DIT Engine

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>63 kW</td>
<td>61 kW</td>
</tr>
<tr>
<td></td>
<td>84 hp</td>
<td>82 hp</td>
</tr>
</tbody>
</table>

Weight

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Operating Capacity</td>
<td>1451 kg</td>
<td>3,200 lb</td>
</tr>
<tr>
<td>Operating Weight (without Armor)</td>
<td>4196 kg</td>
<td>9,250 lb</td>
</tr>
<tr>
<td>Operating Weight (with Armor)</td>
<td>4692 kg</td>
<td>10,345 lb</td>
</tr>
</tbody>
</table>
The Cat 277C Multi Terrain Loader is a highly productive machine. The machine is equipped with an 82 hp turbocharged engine for maximum performance. It is capable of lifting and carrying loads of up to 3,200 lb.

The armored crew protection kit (CPK) on the 277C was designed with the Troop’s protection and survivability in mind. The armored cab provides the operator with 360° protection, including the roof and the floor, from small arms and fragmentation threats. The transparent armor provides excellent operator visibility of the machine and surrounding area. This feature allows the soldier to complete military tasks safely and effectively.

The 277C is an extremely versatile machine, offering a number of work tool attachments to ensure the right tool for the job.

### Dimensions

1. Length of Track on Ground: 1808 mm (71.2 in)
2. Overall Length of Track: 2286 mm (90.0 in)
3. Length w/o Bucket: 2974 mm (117.2 in)
4. Length w/Bucket on Ground: 3692 mm (145.4 in)
5. Height to Top of Cab: 2115 mm (83.2 in)
6. Max. Overall Height: 3998 mm (157.4 in)
7. Bucket Pin Height at Max. Lift: 3122 mm (122.9 in)
8. Bucket Pin Height at Carry Position: 200 mm (7.9 in)
9. Reach at Max. Lift and Dump: 618 mm (24.3 in)
10. Clearance at Max. Lift and Dump: 2425 mm (95.5 in)
11. Ground Clearance: 225 mm (8.8 in)
12. Departure Angle: 42°
13. Maximum Dump Angle: 40°
14. Vehicle Width: 1981 mm (78.0 in)
15. Turning Radius from Center – Machine Rear: 1627 mm (64.0 in)
16. Turning Radius from Center – Coupler: 1487 mm (58.5 in)
17. Turning Radius from Center – Bucket: 2330 mm (91.7 in)
18. Max. Reach w/Arms Parallel to Ground: 1406 mm (55.4 in)
19. Rack Back Angle at Max. Height: 85°

### OPERATOR ENVIRONMENT
- Seat Belt, 75 mm (3 in)
- Suspension Seat
- Enclosed ROPS with A/C (C3): C2 + Air Conditioner
- 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, Park Brake Engages
- Vinyl Seat
- 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, Open, Tilt Up
- FOPS, Level I
- Top and Rear Windows
- Headliner, Deluxe
- Floor Mat
- Interior Rear View Mirror
- 12 volt Electric Socket
- Horn

### POWER TRAIN
- Cat® C3.4 DIT Tier 3 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
- Spring Applied, Hydraulically Released, Wet Multi Disc Parking Brakes
- Hydrostatic Transmission

### OTHER
- Dual Level Suspension Undercarriage, One Speed, Self Level
- Engine Enclosure, Lockable
- Extended Life Antifreeze, –37° C (–34° 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
- Engine Block Heater – 120V
- Paint, Custom

### Standard Equipment

Hydraulic, Standard XPS
Quick Coupler, Hydraulic

### ELECTRICAL
- 12 volt Electrical System
- 90 ampere Alternator
- Ignition Key Start/Stop Switch
- Lights: Gauge Backlighting, Two Rear Tail Lights, Two Rear Working Lights, Two Adjustable Front Halogen Lights, Dome Light
- Backup Alarm
- Heavy Duty Battery, 850 CCA
**SERVICEABILITY**

**Remanufactured Parts.** Cat® engines and major components are designed to be remanufactured and provide multiple life cycles. The Cat® Reman program is more extensive than most rebuild programs. Components are actually remanufactured in the factory to original specifications with necessary product updates.

**Service Life Extension Program (SLEP).** The Service Life Extension Program (SLEP) is based on a highly successful program currently in place with the DoD for the modernization of the U.S. military’s construction and material handling equipment. As a result, thousands of Cat® machines are now realizing a second life. The SLEP process is performed at strategically selected dealers throughout the Caterpillar worldwide dealer network.

The SLEP efforts have proven to be a great value for the DoD, allowing the machines to meet mission requirements and realize an additional machine life cycle. The fact that this work can be done at the dealer sites saves the Government millions in shipping costs.

**Worldwide Locations.** The Caterpillar global network of authorized dealers supports the U.S. Military in every corner of the globe. With heavy construction equipment dealers located in over 200 countries, Caterpillar’s support organization provides global coverage.

**Service Capabilities.** Cat field service technicians have the experience and tools necessary to service your MTL on-site. Field service trucks are fully loaded with state-of-the-art tools and diagnostic equipment as well as specifications and schematics for every Cat machine. Technical experts at the dealership and at Caterpillar are available to provide assistance to field service technicians when needed. When on-site repair isn’t enough, Cat® dealerships are fully-equipped to service your loader quickly.

**Dealer Support.** The Caterpillar global network of authorized dealers is the best in the world at providing support to keep your equipment up and running. With 99.7% of parts shipped within 24 hrs, Cat dealers are partners in support for the 277C Multi Terrain Loader.

For more information visit: www.catdfp.com

**Maintenance.** Proper maintenance of your MTL can help control expenses and lower your owning and operating costs. The 277C provides unmatched serviceability by offering:

- Hydraulic service center
- Electric service center
- Well-protected, easily visible sight gauges
- Ground level maintenance points
- Easy access to engine compartment
- Ecology drains for simple and clean fluid drainage
- Brake wear indicators for ease of inspection
- Maintenance-free batteries
- Airborne debris-resistant, swing-out grill provides more efficient airflow
- Compartment test ports

**MILITARY MODIFICATIONS**

- Rifle Bracket
- Keyless Engine Start Switch
- Armored Cab
- Military Data Plates
- Fire Extinguisher

All dimensions are approximate. Dimensions may vary with configuration. Specific military service configurations are available upon request.