**Caterpillar 977L Crawler Loader**



**Selected Dimensions**

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| Dimensions |
| A. Length with Bucket on Ground | 18.7 ft in | 5710 mm |
| B. Width to Outside of Tracks | 7.8 ft in | 2390 mm |
| C. Height to Top of Cab | 10.9 ft in | 3330 mm |
| E. Ground Clearance | 1.7 ft in | 510 mm |
| G. Clearance at Full Height and Dump | 10.6 ft in | 3230 mm |
| H. Reach at Dump Height | 3.9 ft in | 1190 mm |
| Undercarriage |
| I. Track Gauge | 76 in | 1930 mm |

**Specification**

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| Engine |
| Number of Cylinders | 6 |
| Make | 2236 |
| Model | 3306 |
| Net Power | 190 hp | 141.7 kw |
| Power Measured @ | 1950 rpm |
| Aspiration | turbocharged |
| Displacement | 640.7 cu in | 10.5 L |
| Operational |
| Operating Weight | 47641.9 lb | 21610 kg |
| Fuel Capacity | 102 gal | 386 L |
| Cooling System Fluid Capacity | 13 gal | 49.2 L |
| Engine Oil Capacity | 7.2 gal | 27.4 L |
| Final Drive Fluid Capacity - each | 6.8 gal | 25.6 L |
| Hydraulic System Fluid Capacity | 36.5 gal | 138 L |
| Static Tipping Load | 31989.1 lb | 14510 kg |
| Breakout Force - Std Bucket | 34160 lb | 152 kN |
| Bucket Capacity - struck | 2.3 yd3 | 1.8 m3 |
| Bucket Capacity - heaped | 2.7 yd3 | 2.1 m3 |
| Operating Voltage | 24 V |
| Alternator Supplied Amperage | 19 amps |
| Max Speed | 7 mph | 11.3 km/h |
| Undercarriage |
| Track Shoe Width | 18 in | 457 mm |
| Number of Shoes per Side | 39 |
| Number of Track Rollers per Side | 7 |
| Length of Track on Ground | 9.2 ft in | 2810 mm |
| Ground Contact Area | 3999 in2 | 2.6 m2 |
| Track Gauge | 76 in | 1930 mm |
| Hydraulic |
| Raise Time | 7.8 sec |
| Dump Time | 1.6 sec |
| Lower Time | 3.4 sec |
| Dimensions |
| Length to Front of Track | 13.3 ft in | 4040 mm |
| Length with Bucket on Ground | 18.7 ft in | 5710 mm |
| Width to Outside of Tracks | 7.8 ft in | 2390 mm |
| Height to Top of Cab | 10.9 ft in | 3330 mm |
| Ground Clearance | 1.7 ft in | 510 mm |
| Clearance at Full Height and Dump | 10.6 ft in | 3230 mm |
| Reach at Dump Height | 3.9 ft in | 1190 mm |

The **Caterpillar 977K crawler loader** was introduced in 1966 in the USA. Production began in Japan in 1967 and Scotland a year later.[[1]](http://tractors.wikia.com/wiki/Caterpillar_977K#cite_note-0)

**Contents**

 **Basic spec** [**Edit**](http://tractors.wikia.com/wiki/Caterpillar_977K?action=edit&section=1)

The 977K has a D333 [turbocharged](http://tractors.wikia.com/wiki/Turbocharger), six-cylinder engine producing 170 hp (130 kW) (FWHP). It has a three-speed [powershift transmission](http://tractors.wikia.com/wiki/Powershift_transmission?redlink=1&action=edit&flow=create-page-article-redlink). It comes standard with oil cooled clutches and [brakes](http://tractors.wikia.com/wiki/Brakes?redlink=1&action=edit&flow=create-page-article-redlink), pedal steer, and electric start.

The 977K was manufactured in the USA, with an 11K or 46H serial number prefix; in Japan with a 70J or 76H prefix; and in Scotland, with a 48J prefix.

The 46H unit has a walk-through operator’s compartment.

**Modifications/updates** [**Edit**](http://tractors.wikia.com/wiki/Caterpillar_977K?action=edit&section=2)

Production of 46H ended in 1967.

Production of 76H ended in 1968.

In 1970 [Caterpillar](http://tractors.wikia.com/wiki/Caterpillar) modified the final drive, beginning with 70J00569, 48J00376, and 11K03019.

In 1971 a sealed loader linkage was added, beginning with 70J01083, 48J00584, and 11K03687.

Caterpillar replaced 977K with 977L in 1971, but retained the 977K serial number prefixes. The 977L features increased horsepower to 190 hp (140 kW) FWHP, beginning with 70J01303, 48J00586, and 11K03919.

In 1973 a [rollover protection system](http://tractors.wikia.com/wiki/Rollover_protection_system?redlink=1&action=edit&flow=create-page-article-redlink) (ROPS) was added to the American unit, beginning with 11K05417. Cat also added a two-piece master link, beginning with 11K05959.

In 1974 Cat added a sleeve metering fuel system, beginning with 70J02754 and 11K07130.

In 1975 a sealed and lubricated track (SALT) was added, beginning with 70J03167 and 11K07292. A ROPS canopy was made standard on the American unit, beginning with 11K07500.

In 1976 the Japanese unit received ROPS adaptability, beginning with 70J03307.

In 1977 Cat added an interim scroll fuel system, beginning with 70J03329.

Production of 70J, 48J, and 11K ended in 1978; they were replaced by new 977L units.

**Cat 977L**[**Edit**](http://tractors.wikia.com/wiki/Caterpillar_977K?action=edit&section=3)

The [Caterpillar 977L](http://tractors.wikia.com/wiki/Caterpillar_977L?redlink=1&action=edit&flow=create-page-article-redlink) has a 3306 six-cylinder engine producing 190 FWHP. It has a powershift transmission. It comes standard with SALT and ROPS adaptability.

The 977L was manufactured in the USA, with a 14X prefix; in Japan, with a 95X prefix; and in Scotland, with a 64X prefix.

The American unit has suspended pedal steering, a sound suppressed [cab](http://tractors.wikia.com/wiki/Cab%22%20%5Co%20%22Cab), and a cartridge pin in the lower [bucket](http://tractors.wikia.com/wiki/Bucket%22%20%5Co%20%22Bucket) joint.

The Japanese unit has a turbocharged engine.

Caterpillar offered a certified rebuild program with this model. Units beginning with the following serial number run were certified rebuilds: 70J75000, 95X75000, 48J75000, 64X75000, and 11K75000.

Production of 977L ended in Japan in 1981, USA in 1982, and Scotland in 1983.

Based on data from the sales database of [Ritchie Bros. Auctioneers](http://tractors.wikia.com/wiki/Ritchie_Bros._Auctioneers%22%20%5Co%20%22Ritchie%20Bros.%20Auctioneers), it is estimated that more than 22,100 Caterpillar 977K/977L crawler loaders have been produced.

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| **Highest Serial #**  |
| **Japan**  |
| 70J  | 03630  |
| 76H  | 00229  |
| 95X  | 01381  |
| **Scotland**  |
| 48J  | 02670  |
| 64X  | 01538  |
| **USA**  |
| 11K  | 08987  |
| 14X  | 02540  |
| 46H  | 01199  |
| **Total = 22,174** |