**16-264 Caterpillar 973 гусеничный гидравлический погрузчик с многозубым рыхлителем ёмк. ковша 2.8 м3, Н погр. 3.34 м, рабочий вес 25 тн, Cat 3306 210 лс, 10.3 км/час, 6884 экз. США, Франция, Япония 1982-99 г.**

 The **Caterpillar 973 crawler loader** was introduced in 1982 in the USA, Japan, and France.

**Features**

The 973 has a 3306 direct injection [turbocharged](http://richiewiki.com/wiki/index.php/Turbocharger), six-cylinder engine producing 210 flywheel [horsepower](http://richiewiki.com/wiki/index.php/horsepower) (FWHP). It has a [hydrostatic](http://richiewiki.com/wiki/index.php/hydrostatic) [transmission](http://richiewiki.com/wiki/index.php/transmission). It comes standard with an electronic monitoring system, sealed and lubricated tracks, an oscillating [undercarriage](http://richiewiki.com/wiki/index.php/undercarriage), and a Z-bar linkage.

The 973 was manufactured in the USA, with a 26Z or 32Z serial number prefix; in Japan, with a 90L or 91L prefix; and in France, with a 66G or 86G prefix.

The 91L and 26Z units have 26.5-inch (67-cm) track shoes. All other units have 19.7-in (50-cm) shoes.

Both American units have a rollover protection system cab.

**Modifications**

In 1984 [Caterpillar](http://richiewiki.com/wiki/index.php/Caterpillar) added a new [brake](http://richiewiki.com/wiki/index.php/Brakes) control system to the American units, beginning with 26Z00160 and 32Z00610.

Production of 26Z ended in 1984.

Production ended in the USA in 1985.

In 1985 the undercarriage was modified, beginning with 90L00638, 91L00168, 66G00833, and 86G00223. Cat added a single section implement [pump](http://richiewiki.com/wiki/index.php/pump) and dual setting relief valve, beginning with 66G00761, 86G00217, and 90L00729, and 91L00167.

Production of 66G ended in 1987.

In 1989 a horizontal hydrostatic filter base was added, beginning with 86G00829.

In 1990 Cat changed the track roller frame and shortened the equalizer bar, beginning with 86G01087.

Production ended in Japan in 1996.

Production ended in France in 1999; it was replaced by the [Caterpillar 973C](http://richiewiki.com/wiki/index.php/Caterpillar_973C).

Based on data from the sales database of [Ritchie Bros. Auctioneers](http://richiewiki.com/wiki/index.php/Ritchie_Bros._Auctioneers), it is estimated that more than 6,800 Caterpillar 963C crawler loaders have been p**roduc**ed.

|  |
| --- |
| **Highest Serial #**  |
| **France**  |
| 66G  | 01180  |
| 86G  | 03570  |
| **Japan**  |
| 90L  | 00904  |
| 91L  | 00277  |
| **USA**  |
| 26Z  | 00219  |
| 32Z  | 00734  |
| **Total = 6,884** |

**Погрузчик на гусеничном ходу Caterpillar 973**

## Эксплуатация

|  |  |
| --- | --- |
| Рабочий вес | 24902 кг |
| Объем топлива | 356 л. |
| Объем жидкости гидравлической системы | 60 л. |
| Статическая опрокидывающая нагрузка | 16788 кг |
| Усилие отрыва ковша в сложенном состоянии | 213.4 кН |
| Емкость ковша до краёв | 2.4 м3 |
| Емкость ковша с верхом | 2.8 м3 |
| Максимальная скорость | 10.3 км/ч |

## Ходовая часть

|  |  |
| --- | --- |
| Ширина башмака гусеничной ленты | 500 мм |
| Количество подшипников качения с каждой стороны | 7 |
| Длина гусеничной ленты на уровне земли | 2917 мм |
| Площадь соприкосновения с грунтом | 2.9 м2 |
| Удельное давление на грунт | 83 кПа |
| Ширина колеи | 2080 мм |

## Размеры

|  |  |
| --- | --- |
| Длина с ковшом на уровне земли | 7123 мм |
| Ширина до наружной стороны гусеничной ленты | 2580 мм |
| Высота до верхней части кабины | 3423 мм |
| Клиренс | 456 мм |
| Клиренс при полной высоте и разгрузке | 3340 мм |
| Вылет при высотной разгрузке | 1328 мм |

## Двигатель

|  |  |
| --- | --- |
| Производитель | Caterpillar |
| Модель | 3306 |
| Эффективная мощность | 156.6 кВт |
| Объем двигателя | 10.5 л. |

## Гидравлика

|  |  |
| --- | --- |
| Время подъема | 7.4 сек. |
| Время разгрузки | 1.4 сек. |
| Время опускания | 2.6 сек. |

##  Dimensions

**A Length with Bucket on Ground 23.37 ft in**

**B Width to Outside of Tracks 9.04 ft in**

**C Height to Top of Cab 11.24 ft in**

**E Ground Clearance 1.5 ft in**

**G Clearance at Full Height and Dump 10.96 ft in**

**H Reach at Dump Height 4.36 ft in**

### Undercarriage

**D Length of Track on Ground 9.58 ft in**

**I Track Gauge 81.89in**

## Specifications

### Engine

#### Engine Make Caterpillar

#### Engine Model 3306

#### Net Power 210 hp

#### Displacement 640.8 cu in

### Operational

#### Operating Weight 56292.9l b

#### Fuel Capacity 94.1 gal

#### Hydraulic System Fluid Capacity 15.9 gal

#### Static Tipping Load 37011.3lb

#### Breakout Force - Std Bucket 47981 lb

#### Bucket Capacity – struck 3.2 yd3

#### Bucket Capacity – heaped 3.7 yd3

#### Max Speed 6.5mph

### Undercarriage

#### Track Shoe Width 26.6 in

#### Number of Track Rollers per Side 7

#### Length of Track on Ground 9.6ft in

#### Ground Contact Area 6107.1in2

#### Ground Pressure 9.2psi

#### Track Gauge 81.9in

### Hydraulic

#### Raise Time 7.4 sec

#### Dump Time 1.4 sec

#### Lower Time 2.6 sec

### Dimensions

#### Length with Bucket on Ground 23.4ft in

#### Width to Outside of Tracks 9.1ft in

#### Height to Top of Cab 11.3ft in

#### Ground Clearance 1.5ft in

#### Clearance at Full Height and Dump 11ft in

#### Reach at Dump Height 4.4ft in