

# D6G Series 2

## Track-Type Tractor



### Engine

Engine Model	Cat® 3306T	
Net Power – Caterpillar	119 kW	160 hp

- Engine ratings at 1,900 rpm
- Net flywheel power is the power available at the flywheel when the engine is equipped with fan, air cleaner, water pump, lubrication oil pump, fuel pump and alternator.
- No altitude deration is required to 2300 m (7,500 ft).

### Weights

Operating Weight (XL)	16 880 kg	39,130 lb
Operating Weight (LGP)	17 500 kg	40,567 lb

- Operating weight includes: lubricants, coolant, 2-valve hydraulics, 610 mm (24 in) shoes, 6S Bulldozer, Non-ROPS cab, full fuel tank, and 80 kg (176 lb) operator.

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## Engine

The Cat® 3306 uses direct injection to control fuel consumption and allows lower engine speeds for reduced stresses and increased life. **pg. 4**

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## Power Train

With a power train that is designed and built by Caterpillar, the D6G Series 2 ensures compatibility, maximum performance and reliability. **pg. 5**

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## Undercarriage

The Caterpillar® undercarriage is designed for optimized machine balance and best possible performance and component life. **pg. 6**

*Engineered to excel on the most demanding work sites. Combining power, rugged components and superior balance, the versatile D6G Series 2 is designed for tough working conditions. It keeps material moving with the reliability and durability you expect from Caterpillar® machines.*



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### Work Tools

Work Tools and Ground Engaging Tools provide the flexibility to match the machine to the job, maximizing performance. **pg. 7**

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### Operator Station

- ✓ The operator station is designed with optimum comfort and maximum productivity in mind. **pg. 8**

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### Serviceability and Total Customer Support

The most serviceable machines from the most committed dealers. World-class product support. The Cat® Dealer Network trained experts keep your fleet up and running, maximizing your equipment investments. **pg. 10**

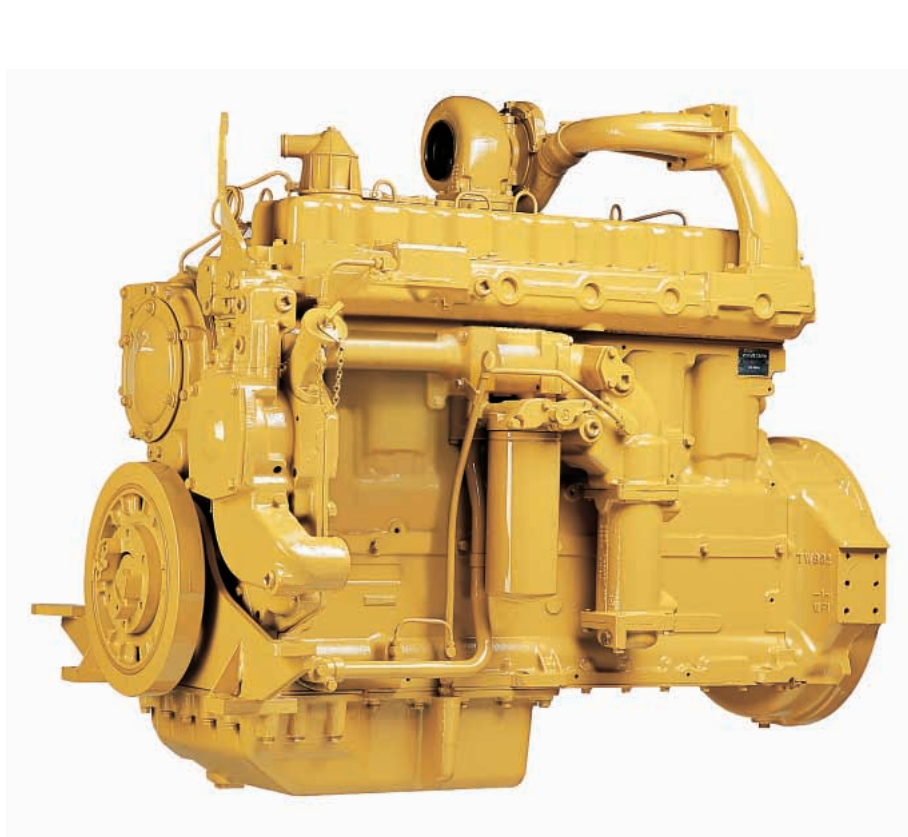


✓ *New Feature*



## Engine

*The Cat® 3306 uses direct injection to control fuel consumption and allows lower engine speeds for reduced stresses and increased life.*



**3306 Diesel Engine.** The Caterpillar® 3306 is a six-cylinder, four stroke diesel. The large displacement allows lower engine speeds for reduced stresses and increased engine life.

**Direct Injection.** The 3306 maintains good productivity per unit of fuel burned by using direct injection to control fuel consumption. Optimum weight-to-horsepower ratios minimize cycle times, allow larger blade loads and shorter load times.

Injector nozzles are non-clogging and adjustment free.

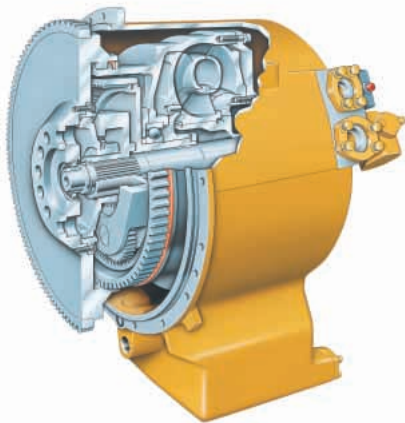
**Aluminum Pistons.** The 3306 features cam-ground three-ring cast tapered aluminum alloy pistons used to reduce friction, decrease heat build-up and provide excellent oil control. Crankcase journals are hardened and aluminum bearings are steel-backed. The high fatigue aluminum alloy-bearings surface not only has the capability to withstand heavy shock loads during crankshaft rotation, it will also adapt to normal wear of the crankshaft journals.

**Valves.** Valves are stellite face hardened with hard alloy steel seats for hardness that contributes to long service life.

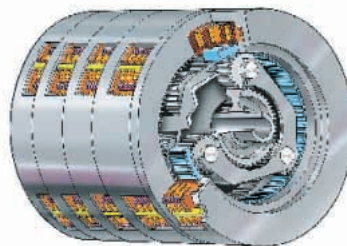
**Rebuildability.** The 3306 has the ability to be rebuilt to provide long and reliable life.

## Power Train

*With a power train that is designed and built by Caterpillar, the D6G Series 2 ensures compatibility, maximum performance and reliability.*



**Torque Divider.** The torque divider arrangement is a Caterpillar exclusive that provides high torque multiplication when under load with direct drive efficiency when completing lower engine load functions such as backfilling trenches or spreading material.



**Power Shift Transmission.** Three speeds forward and three speeds reverse, utilizing large diameter, high capacity, oil-cooled clutches.

- Modulation system permits fast speed and direction changes.
- Oil-to-water cooler for maximum cooling capacity.
- Forced oil flow lubricates and cools clutch packs to provide maximum clutch life.



## Undercarriage

*The Caterpillar undercarriage is designed for optimized machine balance and best possible performance and component life.*



**Roller Frames.** The track roller frame is a reinforced box section construction with seven lifetime lubricated track rollers per side and outside mounted carrier rollers, two per side.

**Rollers and Idlers.** Feature symmetric Duo-Cone seals for long sealing life to prevent oil loss and dirt entry. Toric rings maintain performance over a wide range of temperatures. Rollers and idlers are lifetime lubricated, serviceable and rebuildable to provide value. Abutment-style caps securely attach rollers and idlers to the bogies.

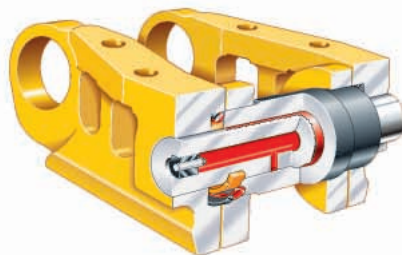
All idlers, track and carrier rollers are life-time lubricated and require no periodic maintenance intervals.

**Track Shoes.** Track shoes are available in sizes to match the working conditions.

**Guards.** Front and rear guiding guards are standard.

### **Sealed and Lubricated Track.**

Minimizes internal bushing wear with the pin by a thin film of lubricant and retained by a polyurethane seal. Extends service life of the undercarriage as a system.



## Work Tools

*Work Tools and Ground Engaging Tools provide the flexibility to match the machine to the job, maximizing performance.*



**Bulldozers.** All blades feature a strongbox-section design that resists twisting and cracking. Blades are made of Cat DH-2™ steel that has high tensile strength and stands up to the most severe applications. Heavy moldboard construction and hardened bolt-on cutting edges and end bits add strength and durability.

**Straight Blade.** The straight blade can handle a wide variety of materials including heavy material. With the high kW per meter (hp/ft) of cutting edge, aggressive penetration is achieved.

**Angle Blade.** The angle blade can be positioned straight or angled 25 degrees to either side making this blade a versatile option.

**Semi-Universal Blade.** The Semi-Universal blade is built for tough applications where penetration is more important than capacity. The blade wings are designed for superior load retention and penetration in tightly packed materials and for finishing applications.

**Multi-Shank Ripper.** Multi-shank rippers are made to penetrate tough material fast and rip thoroughly for use in a variety of materials.

**Cutting Edges and End Bits.** Cutting edges are made of DH-2 steel. End bits are made of DH-3™ steel to provide maximum service life in tough materials.



## Operator Station

*The operator station is designed with optimum comfort and maximum productivity in mind.*







**Directional Controls.** Steering and transmission controls are located conveniently to the operator's left for comfortable operation.

**Dozer Blade Controls.** The dozer controls are located on the operator's right hand side.

**Walk Through Operator Area.** The operator area has a walk through design providing a comfortable operating environment with the controls within easy reach.



**Seat.** A comfortable suspension seat is able to be adjusted fore and aft for greater operator comfort. Arm rests also help provide comfort for all day operation. Wide 76 mm (3 in) seat belt is standard.



**Monitoring System.** A machine monitoring system lets you track the following machine systems:

- Fuel level
- Coolant temperature
- Transmission/torque converter temperature
- Service hour meter
- Air cleaner service indicator
- Engine oil pressure and alternator are monitored by a warning lamp and audible alarm system.



**Brake Pedal.** A single brake pedal actuates both tracks to make operation easier.

**Air Conditioner.** An optional air conditioner with strategic vents provide a comfortable environment in a variety of weather conditions.

**Cab.** The optional cab is pressurized to keep dust out. A 3 speed blower fan is standard.

## Serviceability and Total Customer Support

*The most serviceable machines from the most committed dealers. World-class product support. The Cat Dealer Network trained experts keep your fleet up and running, maximizing your equipment investments.*



**Serviceability.** Minimizes maintenance and repair downtime. Large openings on either side of the machine make major service points easily accessible.

**Machine Selection.** Make detailed comparisons of the machines you are considering before you buy. How long do components last? What is the cost of preventive maintenance? What is the true cost of lost production? Your Cat Dealer can give you answers to these very important questions.

**Purchase.** Consider the financing options available as well as day-to-day operating costs. This is also the time to look at dealer services that can be included in the cost of the machine to yield lower equipment owning and operating costs over the long run.

**Product Support.** Plan for effective maintenance before buying equipment. Choose from your dealer's wide range of maintenance services at the time you purchase your machine. Programs such as Custom Track Service (CTS), S•O•S analysis, Technical Analysis and guaranteed maintenance contracts give peak life and performance to your machine.

**Parts Program.** You will find nearly all parts at your dealer parts counter. Cat Dealers use a world-wide computer network to find in-stock parts to minimize machine downtime. Ask about your Cat Dealer's exchange program for major components. This can shorten repair time and lower costs.

**Remanufactured Components.** Genuine Cat Remanufactured parts save you money. You receive the same warranty and reliability as new products at cost savings to further reduce operating costs. Components are available for the drive train, engine, and hydraulics.

**Operation.** Improving operating techniques can boost your profits. Your Cat Dealer has training videotapes, literature, and other ideas to help you increase productivity.

**SAFETY.CAT.COM™.**



## Engine

Engine Model	Cat® 3306T	
Flywheel Power	119 kW	160 hp
Maximum Flywheel Power	131 kW	175 hp
Net Power – Caterpillar	119 kW	160 hp
Net Power – ISO 9249	119 kW	160 hp
Net Power – SAE J1349	119 kW	160 hp
Net Power – EU 80/1269	119 kW	160 hp
Bore	121 mm	4.75 in
Stroke	152 mm	6 in
Displacement	10.5 L	638 in <sup>3</sup>

- Engine ratings at 1,900 rpm.
- Net flywheel power is the power available at the flywheel when the engine is equipped with fan, air cleaner, water pump, lubrication oil pump, fuel pump and alternator.
- No altitude deration is required to 2300 m (7,500 ft).
- Operating under standard air conditions of 25° C (77° F) and 99 kPa (29.32 in Hg) dry barometer, using 35 degree API gravity diesel fuel at 30° C (86° F).

## Transmission

1.0 Forward	4 km/h	2.5 mph
2.0 Forward	6.9 km/h	4.3 mph
3.0 Forward	10.8 km/h	6.7 mph
1.0 Reverse	4.8 km/h	3 mph
2.0 Reverse	8.4 km/h	5.2 mph
3.0 Reverse	12.9 km/h	8 mph

- Planetary power shift with 381 mm (15 in) diameter, high torque capacity oil clutches.
- Special valve permits fast speed and direction changes.
- Single stage torque converter with output torque divider combines smoothness with economy.
- Torque converter oil is cooled by the engine system.

## Service Refill Capacities

Fuel Tank	320 L	84 gal
Cooling System	39 L	10.3 gal
Engine Crankcase	27 L	7.3 gal
Power Train	93 L	24.5 gal
Final Drives (each)	19 L	5 gal
Hydraulic Tank	47 L	12.4 gal

## Weights

### Operating Weight

D6G Series 2 XL	16 880 kg	39,130 lb
D6G Series 2 LGP	17 500 kg	40,567 lb

### Shipping Weight

D6G Series 2 XL	13 840 kg	30,519 lb
D6G Series 2 LGP	14 350 kg	31,644 lb

- Operating weight includes: lubricants, coolant, 2-valve hydraulics, 610 mm (24 in) shoes, 6S Bulldozer, Non-ROPS cab, full fuel tank, AC and 80 kg (176 lb) operator.
- Shipping weight includes: lubricants, coolant, 1-valve hydraulics, 610 mm (24 in) shoes and 5% fuel.

## Dimensions

### XL

Ground Clearance	310 mm	12.2 in
Width without Blade	2440 mm	96.1 in
Overall Length Basic Tractor (with Drawbar)	3937 mm	155 in

### LGP

Ground Clearance	310 mm	12.2 in
Width without Blade	3035 mm	119.5 in
Overall Length Basic Tractor (with Drawbar)	3946 mm	155.4 in

## Undercarriage

XL

Shoe Type	Moderate service (single grouser)	
Width of Shoe	560 mm	22 in
Width of Shoe – Optional	610 mm	24 in
Shoes/Side	39	
Grouser Height	61 mm	2.4 in
Track Gauge	1880 mm	74 in
Track on Ground	2667 mm	105 in
Track Rollers/Side	7	
Carrier Rollers/Side	2	

LGP

Shoe Type	Self-Cleaning shoe (APEX)	
Width of Shoe	927 mm	36.5 in
Width of Shoe – Optional	915 mm	36 in
Shoes/Side	41	
Track Gauge	2108 mm	83 in
Track on Ground	2880 mm	113 in
Track Rollers/Side	7	
Carrier Rollers/Side	2	

## Blades

XL

SU-Blade Capacity	3.8 m <sup>3</sup>	4.96 yd <sup>3</sup>
S-Blade Capacity	3.27 m <sup>3</sup>	4.28 yd <sup>3</sup>
A-Blade Capacity	2.4 m <sup>3</sup>	3.14 yd <sup>3</sup>

LGP

S-Blade Capacity	3.2 m <sup>3</sup>	4.2 yd <sup>3</sup>
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- Blade capacities are measured to recommended practice of ISO 9246.

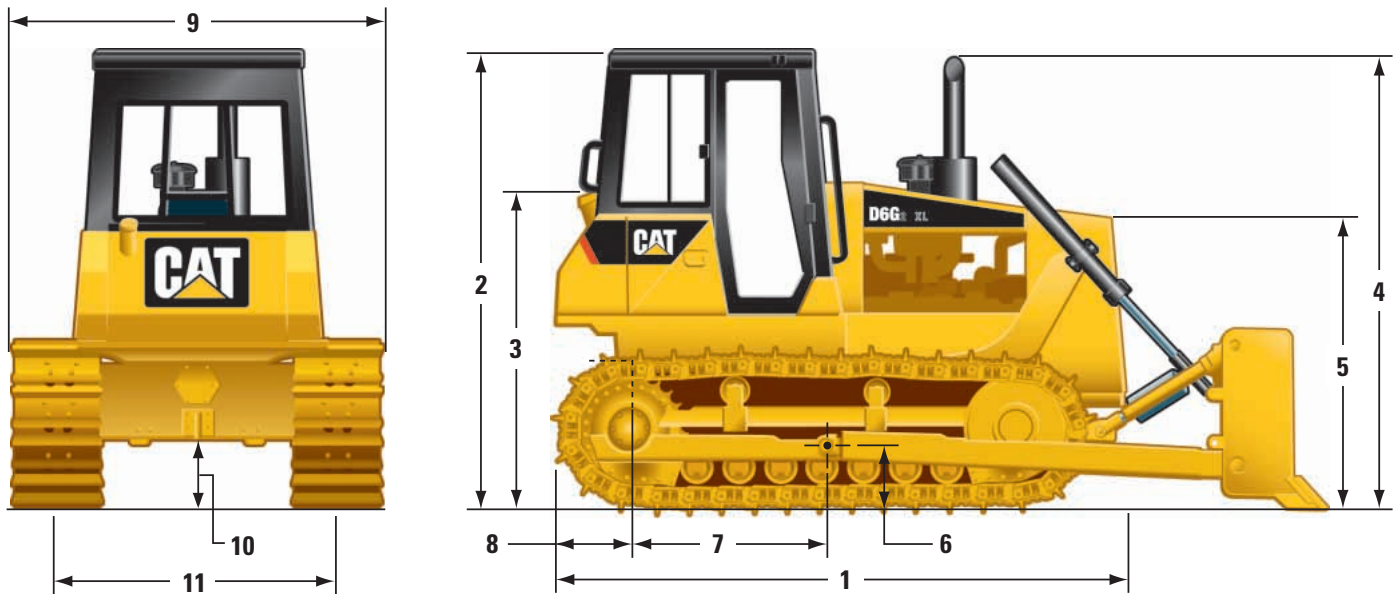
## Ripper

Type	Fixed Parallelogram	
Number of Pockets	3	
Overall Beam Width	2128 mm	83.8 in
Maximum Penetration	530 mm	21 in
Weight – With One Shank	1309 kg	2,880 lb
Each Additional Shank	64 kg	141 lb



## Dimensions

All dimensions are approximate.



	XL	LGP
<b>1</b> Length of basic tractor	3937 mm (155.0 in)	3946 mm (155.4 in)
With following attachments add:		
Angle blade	1212 mm (47.7 in)	—
S blade	1133 mm (46.6 in)	1216 mm (47.9 in)
SU blade	1359 mm (53.5 in)	—
No. 6 ripper	1070 mm (42.1 in)	1070 mm (42.1 in)
<b>2</b> Height to top of non-ROPS cab	3065 mm (120.7 in)	3112 mm (122.5 in)
<b>3</b> Height to top of fuel tank	2088 mm (82.2 in)	2088 mm (82.2 in)
<b>4</b> Height to top of exhaust	3022 mm (119 in)	3014 mm (118.7 in)
<b>5</b> Height to top of radiator	1915 mm (75.4 in)	1915 mm (75.4 in)
<b>6</b> Height to bulldozer trunnion	375 mm (14.8 in)	375 mm (14.8 in)
<b>7</b> Distance from rear of tractor to bulldozer trunnion	1520 mm (59.8 in)	1448 mm (57.0 in)
<b>8</b> Rear clearance from rear of tractor	360 mm (14.2 in)	360 mm (14.2 in)
<b>9</b> Overall width with 560 mm (22 in) standard shoes	2440 mm (96.1 in)	3035 mm (119.5 in)
<b>10</b> Ground clearance (SAE J894)	310 mm (12.2 in)	310 mm (12.2 in)
<b>11</b> Track gauge	1880 mm (74.0 in)	2108 mm (83.0 in)

## Standard Equipment

*Standard equipment may vary. Consult your Caterpillar dealer for details.*

### ELECTRICAL

- 35 amp alternator
- Maintenance free battery – 2
- Hour meter

### OPERATOR ENVIRONMENT

- Decelerator
- Gauges
  - Fuel level
  - Transmission/torque converter oil temperature
  - Engine coolant temperature
  - Ammeter (lamp)
  - Engine oil pressure (lamp and audible)
- Hand throttle
- Suspension seat – vinyl
- Seat belt
- Brake pedal – single

### POWER TRAIN

- Double Reduction Final Drives
- Cat® 3306 diesel engine with 24-volt starter
- Fuel priming pump – manual
- Fuel/Water separator
- Air cleaner with pre-cleaner
- Blower fan
- Muffler (curved tip)
- Power-shift transmission (3F-3R)

### UNDERCARRIAGE

- Track End Guiding Guards
- 7-Roller Track Frame
- 560 mm (22 in) Single Grouser Sealed and Lubricated Track (D6G Series 2 XL)
- 927 mm (36.5 in) Self-cleaning Track Shoes (D6G Series 2 LGP)
- Hydraulic Track Adjusters
- Restrained Equalizer Bar
- Segmented Sprocket

### OTHER STANDARD EQUIPMENT

- Extreme Service Crankcase Guard
- Hinged Radiator Guard
- 320 Liter (84 Gal) Fuel Tank
- Front Pull Device and retrieval hitch
- Cap Locks (Fuel, Hydraulic, Fuel Drain Cover)



## Optional Equipment

*Optional equipment may vary. Consult your Caterpillar dealer for details.*

### Lighting Package

Forward facing (2)

Rear facing (2)

### Horn

Alarm, backup

Heavy duty radiator guard, punched hole

Engine enclosure, normal duty

Engine enclosure, heavy duty

### Guard

Vandal, instrument panel (for canopy)

Track guiding (center)

Full length track roller frame

Fuel tank

Non-ROPS canopy

Non-ROPS cab

Pre-cleaner with pre-screener

610 mm (24 in) single grouser sealed and lubricated track  
(D6G Series 2 XL)

915 mm (36 in) single grouser sealed and lubricated track  
(D6G series 2 LGP)

Angle bulldozer blade

Straight bulldozer blade with tilt cylinder

Semi-universal bulldozer blade with tilt cylinder

### Hydraulics

One valve

Two valve

Three valve

Multi-shank ripper

Drawbar – rigid

Heater

Air Conditioning

# D6G Series 2 Track-Type Tractor

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Featured machines in photos may include additional equipment.  
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