

# D6G XL

Series 2  
Track-Type Tractor



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#### Cat® 3306 T Engine

Net Power (ISO 9249) at 1900 rpm

119 kW/162 hp

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Operating Weight

16 880 kg

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

# D6G Series 2 XL Track-Type Tractor

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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 XL ensures compatibility, maximum performance and reliability. **pg. 4**

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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 XL 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. 5**

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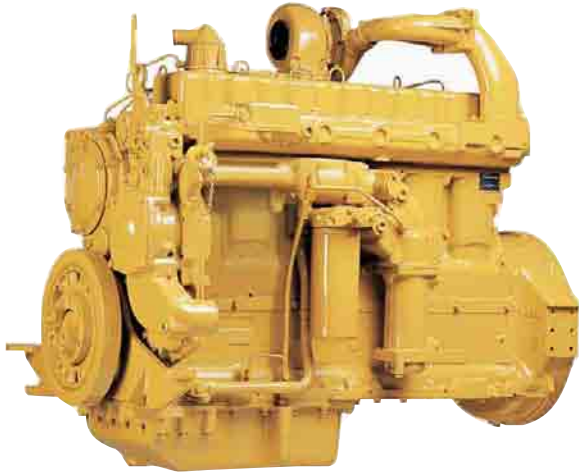
### Serviceability and Total Customer Support

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. 8**



## 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 is also soft enough to allow 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 life.

## Power Train

*With a power train that is designed and built by Caterpillar, the D6G Series 2 XL 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.



## Operator Station

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



**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.



**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 seat belt is standard.



**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.



**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.

## 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.

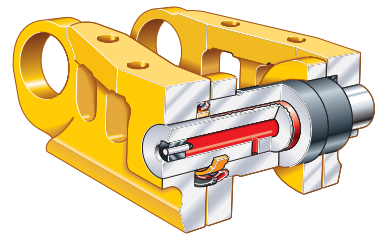
**Rollers and Idlers.** Feature symmetric Duo-Cone seals for long sealing life to prevent oil loss and dirt entry. Toric rings maintain performance over a wide range of temperatures. Rollers and idlers are lifetime lubricated, serviceable and rebuildable to provide value. Abutment-style caps securely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



## 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.



## Engine

|                        |               |
|------------------------|---------------|
| Cat 3306 T Engine      |               |
| Maximum Flywheel Power | 131 kW/178 hp |
| Net Power              |               |
| ISO 9249               | 119 kW/162 hp |
| 80/1269/EEC            | 119 kW/162 hp |
| Bore                   | 121 mm        |
| Stroke                 | 152 mm        |
| Displacement           | 10.5 L        |

- All engine horsepower (hp) are metric including front page.
- Engine ratings at 1900 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.

## Transmission

|         |      |
|---------|------|
| Forward | km/h |
| 1       | 4    |
| 2       | 6.9  |
| 3       | 10.8 |
| Reverse |      |
| 1       | 4.8  |
| 2       | 8.4  |
| 3       | 12.9 |

- Planetary power shift with 381 mm 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

|                     |       |
|---------------------|-------|
|                     | liter |
| Fuel Tank           | 320   |
| Cooling System      | 39    |
| Engine Crankcase    | 27    |
| Power Train         | 93    |
| Final Drives (each) | 19    |
| Hydraulic Tank      | 47    |

## Weights

|                  |           |
|------------------|-----------|
| Operating Weight | 16 880 kg |
| Shipping Weight  | 13 840 kg |

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

## Dimensions

|   |         |
|---|---------|
| Ground Clearance                            | 310 mm  |
| Width without Blade                         | 2440 mm |
| Overall Length Basic Tractor (with Drawbar) | 3937 mm |

## Undercarriage

|                      |                                   |
|----------------------|-----------------------------------|
| Shoe Type            | Moderate service (single grouser) |
| Width of Shoe        | 560 mm                            |
| Optional             | 610 mm                            |
| Shoes/Side           | 39                                |
| Grouser Height       | 61 mm                             |
| Track Gauge          | 1880 mm                           |
| Track on Ground      | 2667 mm                           |
| Track Rollers/Side   | 7                                 |
| Carrier Rollers/Side | 2                                 |

## Blades

|                  |                     |
|------------------|---------------------|
| SU-Blade Width   | 3.8 m <sup>3</sup>  |
| S-Blade Capacity | 3.27 m <sup>3</sup> |
| A-Blade Capacity | 2.4 m <sup>3</sup>  |

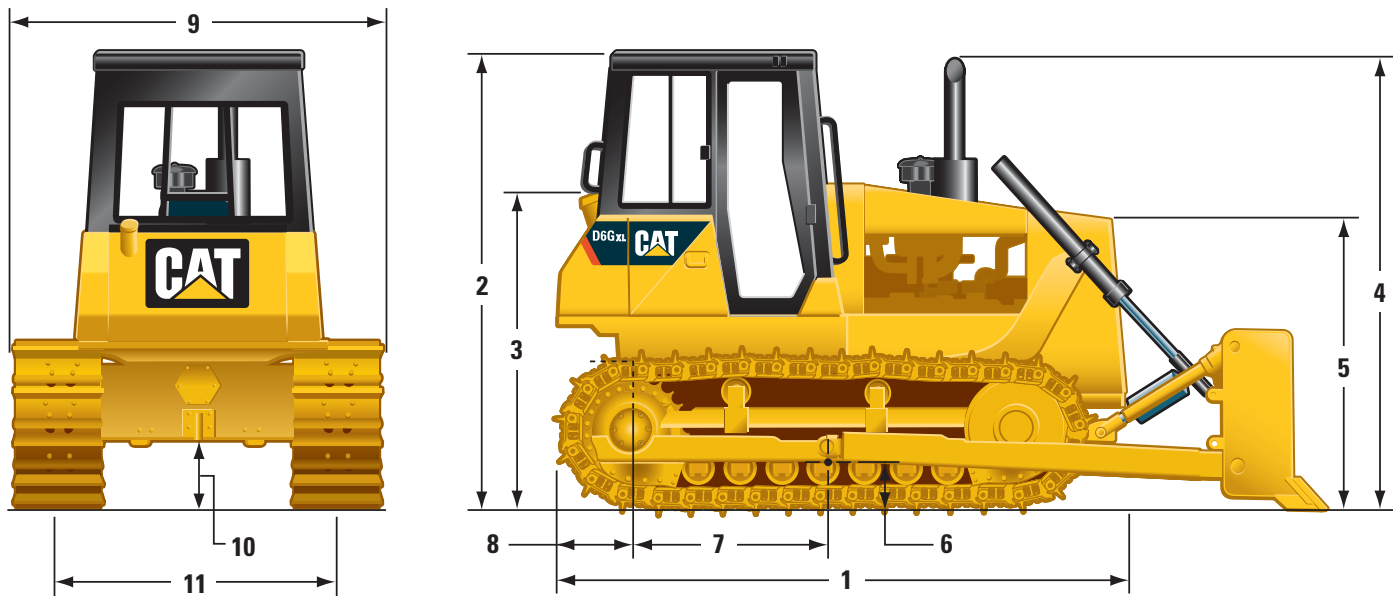
- Blade capacities are measured to recommended practice of ISO 9246.

## Ripper

|                         |                     |
|-------------------------|---------------------|
| Type                    | Fixed Parallelogram |
| Number of Pockets       | 3                   |
| Overall Beam Width      | 2128 mm             |
| Maximum Penetration     | 530 mm              |
| Weight – With One Shank | 1309 kg             |
| Each Additional Shank   | 64 kg               |

## Dimensions

All dimensions are approximate.



|  | mm   |
|--|------|
| <b>1</b> Overall length  | 3937 |
| <b>2</b> Height to top of non-ROPS cab   | 3057 |
| <b>3</b> Height to top of fuel tank  | 2088 |
| <b>4</b> Height to top of exhaust  | 3014 |
| <b>5</b> Height to top of radiator   | 1915 |
| <b>6</b> Height to bulldozer trunnion  | 375  |
| <b>7</b> Distance from rear of tractor to bulldozer trunnion                   | 1520 |
| <b>8</b> Rear clearance from rear of tractor                                   | 360  |
| <b>9</b> Overall width with 560 mm standard shoes                              | 2440 |
| <b>10</b> Ground clearance (SAE J894)  | 310  |
| <b>11</b> Track gauge  | 1880 |
| To overall length (1), add the following dimension for respective attachments: |      |
| Angle bulldozer  | 1212 |
| Straight bulldozer with tilt   | 1133 |
| SU bulldozer with tilt   | 1359 |
| No. 6 ripper   | 1070 |

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## Standard Equipment

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

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### 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

### Powertrain

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 Single Grouser Sealed and Lubricated Track  
    (D6G Series 2 XL)  
Hydraulic Track Adjusters  
Restrained Equalizer Bar  
Segmented Sprocket

### Other Standard Equipment

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

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## Optional Equipment

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

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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 single grouser sealed and lubricated track  
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

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Caterpillar dealer for available options.

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