

D3G Track-Type Tractor



AccuGrade Laser Grade Control System

Caterpillar® is helping customers revolutionize the way they move dirt with new technology solutions. The AccuGrade Laser Grade Control System provides greater accuracy, higher productivity, lower operating costs and more profitability.

Operator Station

The redesigned operator station is quieter and more spacious for a comfortable work environment. Excellent sightlines to the work area help keep operator fatigue low and production up throughout the workday. Improved ergonomic design further enhances operator comfort.

Visibility

Overall visibility has been significantly improved to enhance productivity and work quality. With 13% more glass area than the previous C-Series models and no obstructions, the D3G has a good view to the blade as well as an excellent peripheral view.

Engine

The proven turbocharged six-cylinder Caterpillar 3046T engine delivers plenty of lugging power. The engine provides smooth, responsive power, excellent fuel economy and lasting reliability. The 3046T engine is EPA Tier 2, MOC Step 2, and CE Stage 2 emissions certified.

Hydrostatic Transmission Control

Simple joystick control eases operation and provides track counterrotation. Due to the machine's nimble control, the operator has a better feel for the machine's capabilities and can maneuver more easily.

Undercarriage

Rugged design and proven structural manufacturing assure outstanding durability for long wear life and low owning and operating costs.



Blade and Mainframe

A Variable Pitch, Power Angle and Tilt (VPAT) blade is available on all G-Series machines. Rugged construction and powerful hydraulics provide excellent down force, pry-out force and blade control for maximum productivity.

Hydrostatic Winch

Providing infinitely variable line speed while delivering superior line pull, this new winch improves control for better modulation. Caterpillar is the first to produce a hydrostatic winch for machines in the under 100 hp class.

Attachments

New Cat® work tools increase your productivity. Product Link and Machine Security System help protect your investment.

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Specifications

Engine		
Model	Cat 3046T	
Power - Gross	57 kW	77 hp
Flywheel Power	52 kW	70 hp
Displacement	5 L	305 in ³
Caterpillar	52 kW	70 hp
ISO 9249	52 kW	70 hp
EEC 80/1269	52 kW	70 hp
SAE J1349	52 kW	70 hp
Bore	94 mm	3.7 in
Stroke	120 mm	4.7 in

- Ratings at 2200 RPM.
- Net power advertised is the power available at the flywheel when engine is equipped with fan, air cleaner, muffler and alternator.
- No derating required up to 2300 m (7500 ft) altitude.

Transmission		
Drive Pumps	2	
Track motors	2	
Relief valve settings	44 000 kPa	6380 psi
Maximum travel speed - forward	9 kph	5.6 mph
Maximum travel speed - reverse	9.6 kph	6 mph

- Dual-path, closed loop hydrostatic drive provides infinitely variable speeds from 0-9 kph (0-5.6 mph) forward and 0-9.6 kph (0-6 mph) reverse.
- Full-flow filtering of hydrostatic charge system oil.
- Drive pumps: two variable-displacement, slipper-axial piston pumps mounted tandem-style to engine flywheel housing.
- Track motors: two variable-displacement, link-type piston motors.

Weights		
Operating Weight - XL	7351 kg	16,227 lb
Operating Weight - LGP	7784 kg	17,160 lb

- Operating with dozer blade, canopy ROPS, back-up alarm, operator, coolant, lubricants and full fuel tank.

Service Refill Capacities		
Fuel tank	165 L	43.6 gal
Crankcase and filter	13 L	3.4 gal
Final drives, XL (each side)	13.8 L	3.6 gal
Final drives, LGP (each side)	20.5 L	5.4 gal
Cooling system	21 L	5.5 gal
Transmission/hydraulic tank	46.5 L	12 gal

Hydraulic Controls		
Pump Output	61.1 L/min	16.1 gal/min
Relief valve setting	20 000 kPa	2900 psi

- Pump output ratings at 2200 RPM and 6895 kPa (1000 psi).
- Control Positions:
 - Lift cylinders - raise, hold, lower, float
 - Tilt cylinders - left, hold, right
 - Angle cylinders - left, hold, right
 - Ripper cylinders - raise, hold lower

Final Drive		
Features		
• Double-reduction, with outboard planetary gear set.		
• Mounted independently of track frames to isolate them from machine weight and ground-induced shock loads.		

Steering and Braking		
Features		
• Full powerturn		
• Counterrotation		
• Single lever steering, speed and direction control		
• Hydrostatic (dynamic) braking through machine drive using transmission control lever, center brake pedal or decel pedal.		

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Specifications

Undercarriage

Number of rollers (each side)	6	
Number of shoes (each side)	39	
Shoe width - XL	406 mm	16 in
Shoe width - LGP	635 mm	25 in
Length of track on ground - XL	2055 mm	81 in
Length of track on ground - LGP	2055 mm	81 in
Track gauge - XL	1448 mm	57 in
Track gauge - LGP	1676 mm	66 in
Ground contact area - XL	1.668 m ²	2586 in ²
Ground contact area - LGP	2.61 m ²	4045 in ²
Ground pressure - XL	43.2 kPa	6.27 psi
Ground pressure - LGP	29.3 kPa	4.24 psi

- Sealed and lubricated track (S.A.L.T.)
- Hydraulic track adjusters
- Box section track roller frames
- Bolt-on rear track guiding guards
- Full length recoil guarding with sprocket guards and wipers
- Serrated, two-piece split master link
- Single-grouser shoes
- Segmented sprocket
- Sealed and lubricated rollers and idlers

Ripper

Type	Parallelogram	
Number of Shanks	3	
Maximum digging depth	337.5 mm	13.3 in
Maximum reach at ground line	738.5 mm	29.1 in
Maximum ground clearance under tip	412.2 mm	16.2 in
Overall width	1710 mm	67.3 in
Height	165 mm	6.5 in
Weight	563 kg	1241 lb

Winch

Weight	610 kg	1345 lb
Winch Drive	Hydrostatic	
Control	Pilot hydraulic	
Speed	Variable	
Winch length	705 mm	27.76 in
Overall width	741 mm	29.2 in
Drum diameter	254 mm	10 in
Drum width	274 mm	10.8 in
Throat clearance	171.5 mm	6.75 in
Rope diameter - recommended	16 mm	.63 in
Rope diameter - optional	19 mm	.75 in
Drum capacity - recommended cable	113 m	371 ft
Drum capacity - optional cable	78 m	257 ft
Maximum line pull - bare drum	18 144 kg	40,000 lb
Maximum line pull - full drum	11 340 kg	25,000 lb
Maximum line speed - bare drum	40 m/min	132 ft/min
Maximum line speed - full drum	63 m/min	207 ft/min

- Infinitely variable line speed and line pull from 0 to maximum.
- Power in/power out, brake off, freespool (standard equipment).
- Single lever, low effort pilot hydraulic control.
- Precise load control and speed modulation.
- Integral mounted drawbar.
- 3 roller fairlead available. Kit available to add a 4th roller.

Standards

ROPS	SAE J397-OCT95, SAE J1040-MAY94, ISO 3471-94, ISO 3164-95
FOPS	SAE J231-JAN81, ISO 3449-92

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Materials and specifications subject to change without notice.

Featured machines in photo may include additional equipment.

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