

D3G

Track-Type Tractor



Engine

Model	Cat® 3046T	
Power - Gross	57 kW	77 hp
Power - Net	52 kW	70 hp

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.

Engine

Model	Cat 3046T	
Power - Gross	57 kW	77 hp
Power - Net	52 kW	70 hp
Displacement	4996 cm ³	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 (7,500 ft) altitude.

Transmission

Drive pumps	2	
Track motors	2	
Relief valve settings	44 000 kPa	6,380 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

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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	2,900 psi

- Pump output ratings at 2200 RPM and 6895 kPa (1,000 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

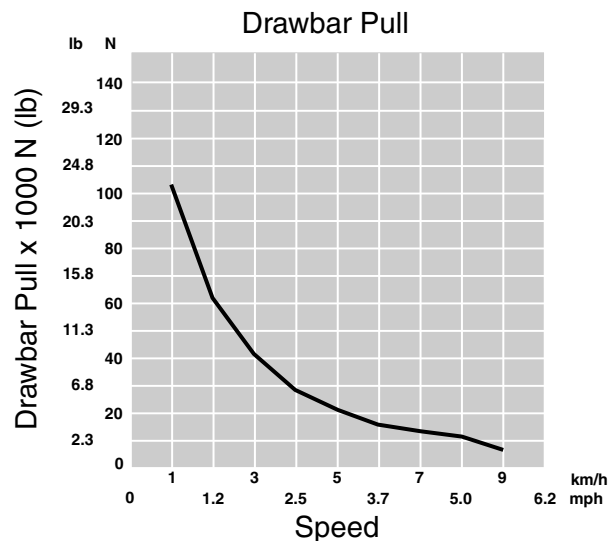
Features

- 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.



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	16 687 cm ²	2,586 in ²
Ground contact area - LGP	26 099 cm ²	4,045 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	1,241 lb

Winch

Weight	610 kg	1,345 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	0.63 in
Rope diameter - optional	19 mm	0.75 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

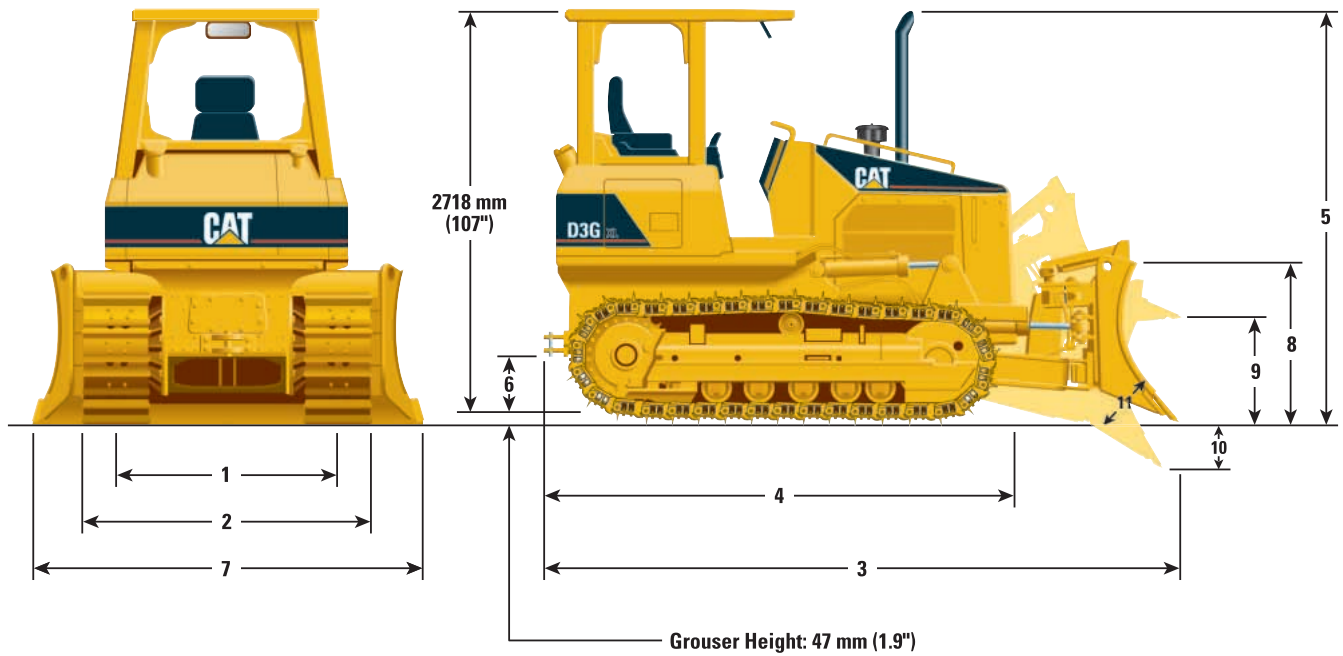
- Infinitely variable line speed and line pull from 0 to maximum.
- Power in/power out, brake off, freespool (standard equipment).
- Single lever, low effort pilot hydraulic control.
- Precise load control and speed modulation.
- Integral mounted drawbar.
- 3 roller fairlead available. Kit available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

Dimensions

All dimensions are approximate.



	XL	LGP
1 Track gauge	1448 mm (57")	1676 mm (66")
2 Width of tractor (std shoes, no blade)	1854 mm (73")	2311 mm (91")
3 Overall length (w/blade)	4020 mm (158.3")	4017 mm (158.1")
4 Length of basic tractor (w/o blade)	3103 mm (122.2")	3103 mm (122.2")
5 Tractor height	2765 mm (108.9")	2765 mm (108.9")
6 Ground clearance	374 mm (14.7")	374 mm (14.7")

BLADE			
	XL	Intermediate	LGP
7 Blade width	2461 mm (96.9")	2921 mm (115")	3146 mm (123.9")
8 Blade height	936 mm (36.8")	843 mm (33.2")	843 mm (33.2")
9 Blade lift height	688 mm (27.1")	695 mm (27.4")	695 mm (27.4")
10 Digging depth	554 mm (21.8")	527 mm (20.7")	527 mm (20.7")
11 Blade cutting edge angle, adjustable	50° to 55°	50° to 55°	50° to 55°
Maximum tilt	369 mm (14.5")	423 mm (16.7")	456 mm (18")
Maximum angle (either side)	25°	25°	25°
Blade width at maximum angle	2247 mm (88.5")	2666 mm (105")	2871 mm (113")
Blade capacity (SAE)	1.44 m ³ (1.88 yd ³)	1.42 m ³ (1.86 yd ³)	1.53 m ³ (2.0 yd ³)