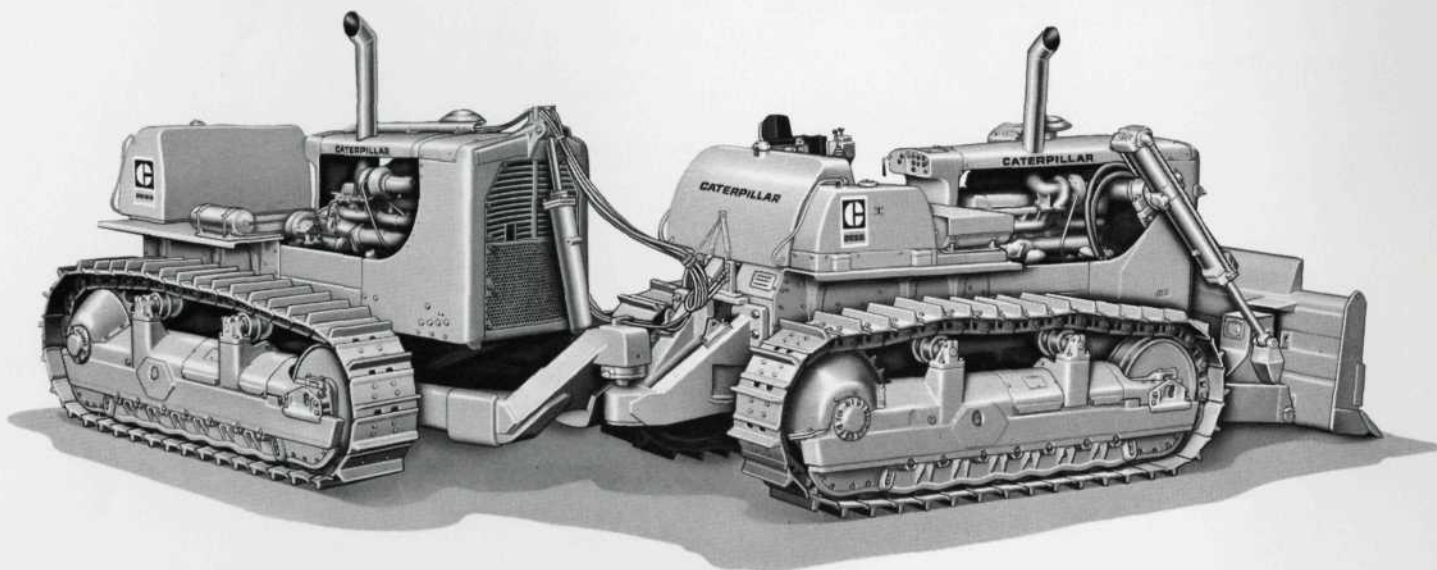




# CATERPILLAR

# DD9G\*



\*DD9 Series G Dual Track-type Tractor

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## Dual D9G — for pushloading applications requiring full utilization of two D9G Tractors

- **100% power** available at the moment of contact with the scraper, with no wait time for positioning a second tractor. Advantageous in tough loading material such as shale where full tandem power is essential for loading to begin.
- **Faster return speeds** on rough surfaces, due to the shock absorbing characteristics of a weight transfer cylinder on the tractor coupling.
- **Less traffic** in the cut, with advantages for the Dual D9 in restricted areas where shuttle loading by two tractors is hampered or impossible. In these conditions, the Dual D9 will reduce cycle time.
- **Reduced operator fatigue.** Conventional tandem pushing requires close and constant coordination between operators on separate tractors. On the Dual D9, automatic coordination, a refined control system and comfortable travel will contribute to sustained high production.
- **Controls.** An operator's station on the front tractor controls the dual unit or the front tractor when separated. The rear tractor may be operated separately with mechanical controls.

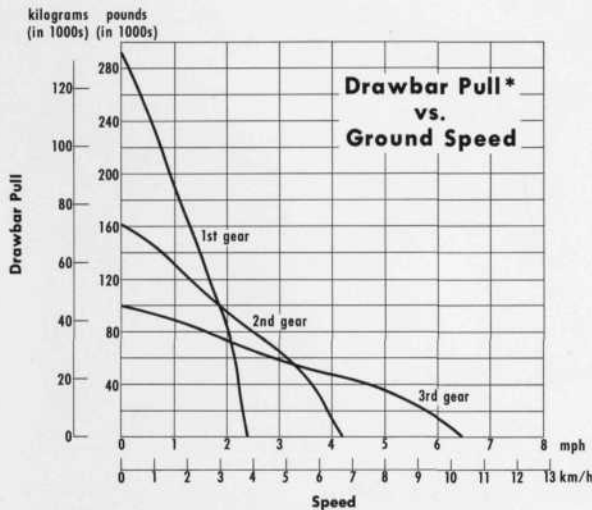
## ENGINE:

Total Flywheel Horsepower..... 770  
 Two engines, each with 385 flywheel horsepower @ 1330 rpm. Independent control of each engine or simultaneous control of both engines by air-actuated foot throttles.

## TRANSMISSION:

D9G power shift transmissions.  
 Simultaneous air control of both transmissions by a single lever. Operated from front tractor.

Gear	Forward		Reverse	
	MPH	(km/h)	MPH	(km/h)
1	0-2.4	( 3,9)	0-3.0	( 4,8)
2	0-4.2	( 6,8)	0-5.2	( 8,4)
3	0-6.5	(10,5)	0-7.9	(12,7)



\*Usable pull will depend on traction and weight of equipped machine.

## STEERING:

Single lever, selective, air control of steering clutches on both tractors. Single pedal, selective, air control of brakes on both tractors. Clutches and brakes controlled from front tractor.

Turning radius ..... 28' 3" (8600 mm)  
 Turning angle (each direction)..... 70°

## CONTROLS:

Tractor functions, weight transfer cylinder and bulldozer controlled from front tractor. Individual control of tractors when uncoupled for transporting or working as separate units. Rear tractor converts to manual control for single operation. Hydraulic control and bulldozer available for rear tractor.

## AIR SYSTEM:

Compressor ..... one on front tractor  
 12 cfm (340 lit/m) @ 1250 rpm  
 Air supply tanks .... Three (two on front and one on rear tractor)

Standard air supply ..... 4625 cu. in. (76 lit)  
 Reserve air supply ..... 2360 cu. in. (38,5 lit)

### Air chambers:

Clutches.....Four, each with  
 3 sq. in. area (19,4 cm<sup>2</sup>)  
 Brakes.....Four, each with  
 9 sq. in. area (58 cm<sup>2</sup>)  
 Throttles.....Two, each with  
 3 sq. in. area (19,4 cm<sup>2</sup>)  
 Pistons.....Four (two each transmission),  
 2" dia. (51 mm)

## HYDRAULIC SYSTEM:

Hydraulic power for dozer and weight transfer cylinder provided by a modified two-valve D9 model 193B Hydraulic Control mounted on front tractor.

## PARKING BRAKES:

Mechanical locking of brake linkage (both tractors).

## TRACTOR CONNECTION:

Ball-and-socket joint, shim adjustable for wear. Ball joint and bracket are bolted to steering clutch case of front tractor. Socket and rear hitch are connected to rear tractor by inside-mounted dozer trunnions. Ball diameter, 12" (305 mm). Disconnect junction for air hoses to facilitate separating tractors.

## WEIGHT TRANSFER:

Hydraulic cylinder attached to tractor coupling and radiator guard of rear tractor.

Bore and stroke..... 7¼" x 36<sup>11</sup>/<sub>16</sub>"  
 (184 x 930 mm)

Control positions.....Float, hold, raise and lower.  
 Float position provides damping of tractor pitch movement.

## BULLDOZER:

D9 model 9C Cushion bulldozer with special reinforcement in blade.

Two hydraulic cylinders, 6¼" (159 mm) bore and 50½" (1270 mm) stroke. Includes crankcase guard. (Must be ordered separate from basic tractor arrangement.)

## STANDARD EQUIPMENT:

Modified 193B Hydraulic Control, two valves, mounted on front tractor.  
 Extreme service track shoes (both tractors).  
 Segmented weight group (rear tractor).  
 Crankcase guard (rear tractor).  
 Reversible blade fans (both tractors).  
 Fan blast deflectors (both tractors).  
 Remote engine warning light (rear tractor).  
 Dash-mounted air pressure indicator (front tractor).  
 Transmission neutralizer and automatic braking system, actuated by low air pressure.

## GENERAL DIMENSIONS:

Gauge ..... 90" (2290 mm)  
 Length (overall) ..... 42' 6" (13000 mm)  
 Width (outside dozer blade) .... 10' 9" (3300 mm)  
 Height, overall (excluding stacks) ..... 9' 10¾" (3000 mm)  
 Ground clearance (from face of track shoe to bottom of hitch) ..... 14" (355 mm)

## WEIGHT, Shipping (approx.):

With bulldozer ..... 175,000 lb. (79 000 kg)

Materials and specifications are subject to change without notice.



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