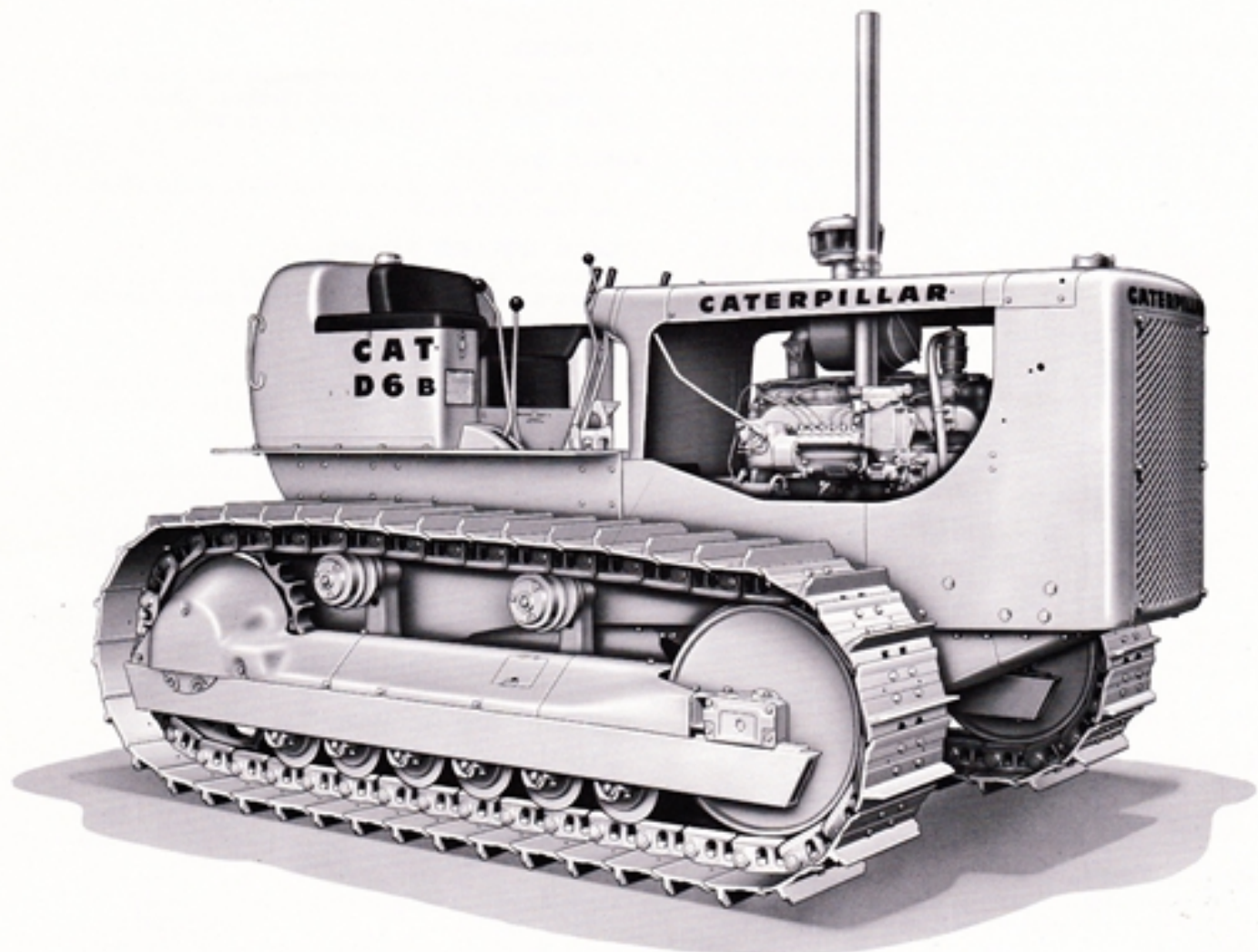


Series B

**CATERPILLAR**

**D6**  
Track-type  
Tractor



- 93 HP Cat Diesel Engine with adjustment-free fuel system uses non-premium fuels without fouling.
- Direct drive transmission with quick-shifting forward-reverse lever and Cat oil clutch.
- Hydraulically-boosted steering clutches and self-energizing contracting band brakes.
- Patented Sealed Track extends pin and bushing life up to 30%. Track rollers, carrier rollers and idlers are Lifetime Lubricated.



# D6

## TRACK-TYPE TRACTOR Series B

CONVERSION TABLE			
1 Mile = 1,609 Kilometers	1 Lb. = 0,4536 Kilogram		
1 Foot = 30,48 Centimeters	1 Sq. In. = 6,452 Sq. Centimeters		
1 Inch = 2,54 Centimeters	1 Sq. Ft. = 929 Sq. Centimeters		
1 U.S. Gal. = 3,785 Liters	1 Sq. Yd. = 0,836 Sq. Meters		
1 U.S. Gal. = 0,833 Imp. Gals.	1 Cu. Yd. = 0,7646 Cu. Meters		
	1 U.S. Gal. Diesel Fuel = 7,3 Lb. (approx.)		
	1 U.S. Gal. Coolant = 8,3 Lb. (approx.)		

### ENGINE:

Flywheel horsepower ..... 93 @ 1670 RPM

The net horsepower at the flywheel of the standard engine operating under normal temperature and barometric conditions—up to 85° F. (29° C.) and 2500-ft. altitude (760 m). Standard engine equipment includes fan, air cleaner, water pump, lubricating oil pump, fuel pump and generator.

Drawbar horsepower ..... 75 @ 1670 RPM  
NACC horsepower for U.S. tax purposes ..... 48.6

### Design Data:

Caterpillar four-stroke cycle diesel Model D333 with six cylinders, 4.5" bore (114,3 mm), 5.5" stroke (139,7 mm), and 525 cubic inch (8,603 lit) piston displacement.

Individual adjustment-free fuel injection pumps and non-fouling precombustion chambers.

Cam-ground and tapered aluminum alloy pistons with three-ring design, cooled by oil spray. Steel-backed aluminum alloy bearings, Hi-Electro hardened crankshaft journals. Pressure lubrication with full-flow filtered oil. Dry-type air cleaner.

Uses economical No. 2 Fuel Oil (ASTM Specification D396-48T), often called No. 2 furnace or burner oil, with a minimum cetane rating of 35. Premium quality diesel fuel can be used but is not required.

Starting Methods: 24-volt direct electric or independent gasoline engine.

### FLYWHEEL CLUTCH:

Lubricated and cooled by pressurized oil to minimize friction during engagement, reduce heat build-up. Connected to transmission by double U-joint.

### TRANSMISSION:

Unit construction. Sliding gear type with fast forward-reverse shift. Power take-off shaft is uni-directional.

### SPEED AND DRAWBAR PULL:

#### Standard Transmission

Gear	Forward		Reverse		Drawbar Pull Rated		Forward Maximum*	
	MPH	km/h	MPH	km/h	Pounds	kg	Pounds	kg
1	1.7 ( 2,7)	2.1 ( 3,4)	17,240 (7820)	21,000 (9530)				
2	2.6 ( 4,2)	3.2 ( 5,2)	10,900 (4940)	13,390 (6070)				
3	3.7 ( 6,0)	4.6 ( 7,4)	7,090 (3220)	8,820 (4000)				
4	5.2 ( 8,4)	6.4 (10,3)	4,670 (2120)	5,910 (2680)				
5	6.8 (10,9)	—	3,190 (1450)	4,140 (1880)				

#### Optional Transmission, with closely spaced working speeds

1	1.8 (2,9)	2.3 (3,7)	15,970 (7240)	19,470 (8830)
2	2.5 (4,0)	3.1 (5,0)	11,280 (5120)	13,850 (6280)
3	3.0 (4,8)	3.7 (5,9)	9,120 (4140)	11,250 (5100)
4	3.6 (5,8)	4.4 (7,1)	7,470 (3390)	9,270 (4200)
5	6.0 (9,7)	—	3,830 (1740)	4,910 (2230)

\*Depends on weight and traction of fully equipped tractor.

### STEERING:

Hydraulically-boosted multiple-disc clutches. Self-energizing contracting band brakes. Clutch and brake assemblies can be serviced as a unit.

### FINAL DRIVES:

Crown shaved, coarse pitch final drive gears. Floating Duo-Cone Seals.

### TRACK ROLLER FRAME:

Reinforced box-section construction. Lifetime Lubricated rollers and idlers. Optional small-diameter idler.

Number of rollers (each side) ..... Six  
Oscillation at front idler:  
74" (1880 mm) gauge ..... 10½" (270 mm)  
60" (1524 mm) gauge ..... 11¼" (290 mm)

### TRACK:

Patented Sealed Track extends pin and bushing life up to 30%. Screw-type track adjusters; hydraulic type are optional.

Number of shoes (each side) ..... 40  
Width of standard shoe ..... 16" (406 mm)  
Length of track on ground (center of sprocket to center of idler) ... 86¾" (2207 mm)  
Ground contact area with  
16" shoes ..... 2,780 sq. in. (1,79 m²)  
Grouser height (from ground face  
of shoe) ..... 2½" (54 mm)

### GENERAL DIMENSIONS:

Gauge ..... 74" (1880 mm) or 60" (1524 mm)  
Length, overall ..... 12' 7¾" (3854 mm)  
Width, overall:  
74" gauge ..... 93½" (2375 mm)  
60" gauge ..... 79½" (2019 mm)  
Height, overall (excluding stacks) ..... 75" (1905 mm)  
Ground clearance (from bottom face of shoe):  
74" gauge ..... 13½" (343 mm)  
60" gauge ..... 14" (356 mm)  
Drawbar height (from bottom face of shoe):  
High position ..... 17½" (444 mm)  
Low position ..... 14" (356 mm)

### CAPACITIES:

	U.S. Gal. (liters)
Fuel tank	65 (246)
Cooling system	11 (42)
Lubrication systems:	
Diesel crankcase	5½ (21)
Starting engine crankcase	¾ (3)
Steering clutch hydraulic control unit	1½ (6)
Transmission	10½ (40)
Flywheel clutch	2¼ (9)
Final drives (each):	
74" gauge	3¼ (12)
60" gauge	2¾ (9)

### WEIGHT, shipping (approx.):

74" gauge ..... 18,300 lb. (8300 kg)  
60" gauge ..... 17,930 lb. (8130 kg)

# CATERPILLAR

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