

D6N Track-Type Tractor Specifications

Engine

Engine Model	Cat® C6.6 ACERT™	
Flywheel Power	111.8 kW	150 hp
Net Power – Caterpillar	111.8 kW	150 hp
Net Power – ISO 9249	111.8 kW	150 hp
Net Power – SAE J1349	110.4 kW	148 hp
Net Power – EU 80/1269	111.8 kW	150 hp
Bore	105 mm	4.13 in
Stroke	127 mm	4.99 in
Displacement	6.6 L	402.75 in ³

- Engine Ratings at 2200 rpm.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- No derating required up to 3000 m (9,840 ft) altitude, beyond 3000 m (9,840 ft) automatic derating occurs.

Transmission

1.5 Forward	3.1 km/h	1.93 mph
2.0 Forward	4.6 km/h	2.86 mph
2.5 Forward	5.7 km/h	3.54 mph
3.0 Forward	7.5 km/h	4.66 mph
3.5 Forward	10 km/h	6.21 mph
1.5 Reverse	3.1 km/h	1.93 mph
2.0 Reverse	5.1 km/h	3.17 mph
2.5 Reverse	6.4 km/h	4 mph
3.0 Reverse	8.6 km/h	5.34 mph
3.5 Reverse	11.6 km/h	7.21 mph
1.5 Forward – Drawbar Pull	320 kN	71,939 lb
2.5 Forward – Drawbar Pull	175 kN	39,341.6 lb
3.5 Forward – Drawbar Pull	97 kN	21,806.5 lb

Service Refill Capacities

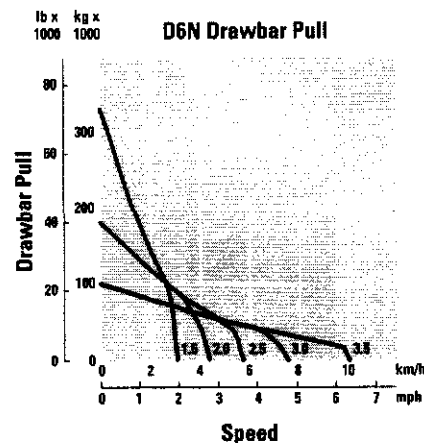
Fuel Tank	299 L	79 gal
Cooling System	48 L	12.68 gal
Final Drives (each)	8.5 L	2.25 gal
Hydraulic Tank	29.5 L	7.79 gal

Weights

Operating Weight – XL	16 668 kg	36,670 lb
Operating Weight – LGP	17 997 kg	39,593 lb
Shipping Weight – XL	16 363 kg	35,999 lb
Shipping Weight – LGP	17 692 kg	38,922 lb

- Operating Weight: Includes EROPS, A/C, lights VPAT dozer, transmission, drawbar, engine enclosure, 3-valve hydraulics, 100% fuel, and Cat Comfort Series Air Suspension Seat and operator.
- Shipping Weight: Includes EROPS, A/C, lights VPAT dozer, transmission, drawbar, engine enclosure, 3-valve hydraulics, 5% fuel, and Cat Comfort Series Air Suspension Seat.

Torque Rise



The direct injection electronic fuel system provides a controlled fuel delivery increase as the engine lugs back from rated speed. This results in increased horsepower below rated power. A combination of increased torque rise and maximum horsepower improves response, provides greater drawbar pull and faster dozing cycles.

Undercarriage

Width of Shoe – XL	610 mm	24.01 in
Width of Shoe – LGP	840 mm	33.07 in
Shoes/Side – XL	40	
Shoes/Side – LGP	46	
Grouser Height – XL	66 mm	2.6 in
Grouser Height – LGP	57 mm	2.2 in
Track Gauge – XL	1890 mm	74.4 in
Track Gauge – LGP	2160 mm	85.03 in
Track on Ground – XL	2611 mm	102.8 in
Track on Ground – LGP	3113 mm	122.56 in
Ground Contact Area – XL	3.18 m ²	4,929 in ²
Ground Contact Area – LGP	5.23 m ²	8,107 in ²
Ground Pressure	51.6 kPa	7.48 psi
Ground Pressure – XL	52.3 kPa	7.59 psi
Ground Pressure – LGP	34.4 kPa	7.63 psi
Track Rollers/Side – XL	7	
Track Rollers/Side – LGP	8	

Blades

Blade Type	VPAT, SU	
XL SU – Blade Width	3154 mm	10 ft 4 in
XL VPAT– Blade Capacity	3.18 m ³	4.16 yd ³
XL VPAT – Blade Width	3272 mm	10 ft 9 in
XL SU – Blade Capacity	4.28 m ³	5.6 yd ³
LGP VPAT– Blade Capacity	3.16 m ³	4.13 yd ³
LGP VPAT – Blade Width	4080 mm	13 ft 5 in

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Ripper

Type	Fixed Parallelogram	
Number of Pockets	3	
Overall Beam Width	2202 mm	86.7 in
Beam Cross Section	216 × 254 mm 8.5 × 10.0 in	
Maximum Penetration – XL	473.5 mm	18.6 in
Maximum Penetration – LGP	359.5 mm	14.2 in
Each Additional Shank	78 kg	172 lb

Winch

Winch Model	PA55	
Weight*	1276.5 kg	2,814 lb
Oil Capacity	74 L	19.55 gal
Winch and Bracket Length	1145 mm	45.1 in
Winch Case Width	975 mm	38.4 in
Drum Diameter	254 mm	10 in
Drum Width	315 mm	12.4 in
Flange Diameter	504 mm	19.8 in
Drum Capacity – 22 mm (0.88 in)	88 m	288 ft 9 in

• Slow and standard speed winches are available.

* Weight: Includes pump, operator controls, oil, mounting brackets and spacers.

Standards

ROPS/FOPS

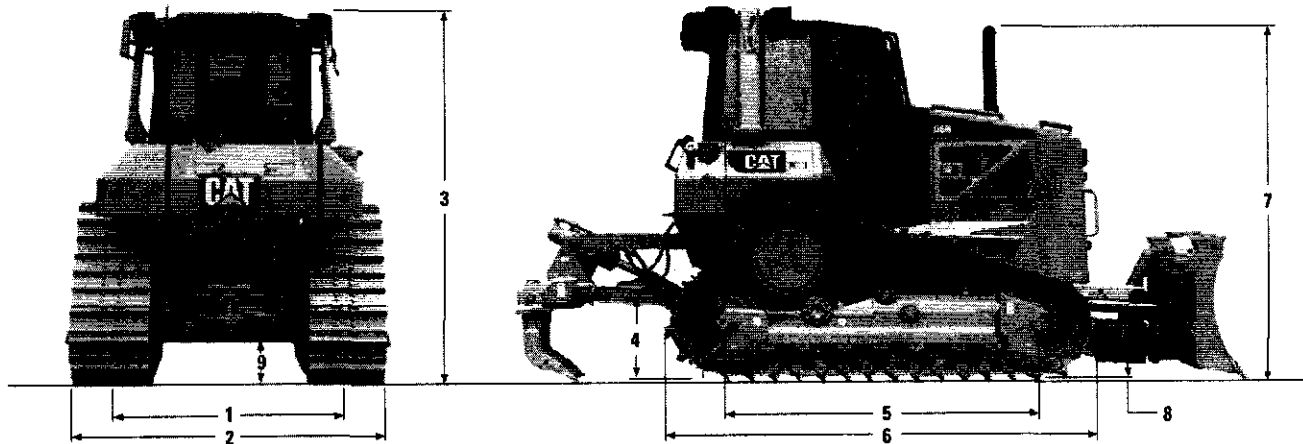
Brakes

Cab

- ROPS (Rollover Protective Structure) offered by Caterpillar for the machine meets ROPS criteria SAE J1040 MAY94, ISO 3471:1994 and DLV criteria SAE J397B, ISO 3164:1995.
- FOPS (Falling Object Protective Structure) meets SAE J/ISO 3449 APR98 Level II, ISO 3449:1992 Level II and DLV criteria SAE J397B, ISO 3164:1995.
- Brakes meet the standard ISO 10265:1998.
- The operator sound exposure Leq (equivalent sound pressure level) measured according to the work cycle procedures specified in ANSI/SAE J1166 OCT 98 is 83 dB(A), for cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.
- The operator sound pressure level measured according to the procedures specified in ISO6394:2008 is 77 dB(A) for the cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.
- Hearing protection is recommended when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environment.
- The exterior sound pressure level for the standard machine measured at a distance of 15 meters according to the test procedures specified in SAE J88 FEB 06, mid-gear-moving operation, is 81 dB(A).
- The labeled sound power level is 110 dB(A) measured according to the test procedure and conditions specified in 2000/14/EC.

Dimensions

(approximate)



Tractor Dimensions

	XL		LGP	
1 Track gauge	1890 mm	74.4 in	2160 mm	85 in
2 Width of tractor				
With the following attachments:				
Standard shoes without blade	2500 mm	98.4 in	3000 mm	118 in
Narrow shoes without blade	2450 mm	96.5 in	2870 mm	113 in
Standard shoes with VPAT blade fully angled	2972 mm	117 in	3706 mm	146 in
3 Machine height from tip of grouser:				
With the following equipment:				
ROPS canopy	3040 mm	119.7 in	3144 mm	123.8 in
ROPS cab	3095 mm	121.9 in	3200 mm	126 in
4 Drawbar height (center of clevis)				
From ground face of shoes	595 mm	22.2 in	710 mm	28 in
5 Length of track on ground	2611 mm	102.8 in	3113 mm	122.56 in
6 Length of basic tractor (with drawbar)	3740 mm	147.2 in	4165 mm	164 in
With the following attachments, add to basic tractor length:				
Ripper	1026 mm	40.4 in	1026 mm	40.4 in
PA55 winch	381 mm	15 in	381 mm	15 in
VPAT blades, straight	1163 mm	45.8 in	1204 mm	47.4 in
VPAT blade, angled 25°	1787 mm	70.4 in	2125 mm	83.7 in
SU blade	1417 mm	55.8 in	—	—
7 Height over stack from tip of grouser	2979 mm	117.3 in	3083 mm	121.4 in
8 Height of grouser	66 mm	2.6 in	57 mm	2.2 in
9 Ground clearance from ground face of shoe (per SAE J1234)	394 mm	15.5 in	507 mm	20.0 in

D6N Standard Equipment

Standard equipment may vary. Consult your Caterpillar dealer for details

ELECTRICAL

Horn
Hour meter
Back-up alarm
12-volt converter, 10-amp
Diagnostic connector
950 CCA class 31 batteries
Integrated lights (4 front, 2 rear) with protective screen
95A HD brushless alternator (24 V)
24V electric starter

OPERATOR ENVIRONMENT

ROPS/FOPS cab with integrated A/C
Seat, air suspension, cloth for cab
Seat belt, retractable 76 mm (3 in)
Adjustable armrest
Foot rests for slope work
Five gauge cluster (engine coolant, transmission oil, hydraulic oil, fuel level, and engine RPM display/gear display)
Electronically programmable gear selector
Electronic engine air cleaner service indicator
Electronic water-in-fuel sensor service indicator
Electro-hydraulic implement control
Electro-hydraulic tiller bar differential steering control
Product Link ready
Two 12V power ports
12V radio ready (plug and play)
Storage compartment
Cup holder
Coat hook
Rearview mirror

POWER TRAIN

C6.6 Caterpillar ACERT diesel engine with Caterpillar Common Rail fuel system, ADEM A4 Electronic Control Module, and a air-to-air aftercooling
Single poly-vee belt with auto belt tensioner
Starting aid ether injection
3000 meter altitude operation capability without derating
Fan, direct drive
Aluminum bar plate cooling system (radiator, power train, aftercooler)
Steel tube-fin oil cooler (differential steering)
Air cleaner with integrated pre-cleaner, automatic dust ejector and under hood air intake
Electrical fuel priming pump with integrated fuel/water separator
Engine decelerating function (toggle switch and pedal engine speed control)
3 speed planetary powershift transmission with torque converter
System MVP: Multiple speed functionality providing 5 discrete ground speed selections and electronic control enhancements for the transmission/engine system
Controlled throttle shifting with automatic load compensation, selectable automatic down shift and kick down transmission control
Auto-shift (1.5F – 2.5R, 2.5F – 2.5R)
Selectable differential steering

HYDRAULICS

Three valve – hydraulics for VPAT dozer
Load sensing hydraulics

UNDERCARRIAGE

SystemOne™ Undercarriage
Center tread idler
Lifetime lubricated track rollers (7 XL and 8 LGP) and idlers
Carrier rollers
Tracks 40 section – 610 mm (24")
Extreme Service (ES) for XL
Tracks 46 section – 840 mm (33")
Moderate Service (MS) for LGP
Hydraulic track adjusters
Front and rear track guiding guards, Moderate Service (MS) for LGP
Replaceable sprocket rim segments

OTHER STANDARD EQUIPMENT

C-Frame, cylinders (VPAT) and lines
Extended service intervals (500 hrs engine, 1,000 hrs power train)
Crankcase guard
Ecology drains (engine, power train, hydraulic oil)
Scheduled oil sampling ports (engine, power train, hydraulics, and engine coolant)
Coolant sampling port
Centralized remote mounted pressure taps for easy access and diagnostics
Implement oil filter
Front pull device
Hinged, louvered radiator grill
Lockable engine enclosures
Rigid drawbar
3000 meter altitude operation capability w/o de-rating

ANTIFREEZE

Extended life coolant (-37° C/-35° F)
Cat HYDO Advanced 10