



Cat[®] D1 SSLGP

DOZER

FEATURES:

This Cat[®] D1 SSLGP (Super Super Low Ground Pressure) specialty configuration of the D1 provides super low ground pressure to avoid disturbance to the field. The increased undercarriage width and ground contact length are significantly extended when compared to the standard LGP (Low Ground Pressure) specification. The D1 SSLGP delivers superior performance and the broadest choice of technology features to help you get the most from your dozer. Nimble and responsive, it has extremely low ground pressure, power for dozing and finesse for grading. Fully hydrostatic transmission gives you seamless acceleration, so you can get the job done quickly. The load sensing system automatically optimizes ground speed based on load, for the greatest productivity and fuel efficiency.

IMPROVED VISIBILITY

- New sloped hood provides better visibility to the work in front of the blade as well as the overall job site. Better visibility can equal less operator fatigue and more confidence in your work.

GRADE TECHNOLOGY

- Scalable 2D and 3D Cat Grade provide technologies like Slope Assist, Stable Blade, and Slope Indicate for easier and more efficient operation, as well as the flexibility to adapt different technology based on job site demands.

UP TO 10% IMPROVED FUEL ECONOMY

- The D1 SSLGP features the lowest fuel consumption in this size class with the same great performance you've come to expect. Up to 20% improvement and no performance sacrifice when ECO mode is active.

COMFORTABLE WORK SPACE

- The spacious and comfortable cab features an optional heated and ventilated seat, along with heated joystick controls to make the operator comfortable no matter what the conditions are outside. The seat height and armrests can be easily adjusted to the operator's preference.

BIGGER, BETTER DISPLAY WITH CAMERA

- This new and improved optional 10 in (254 mm) touchscreen, color display is easy to use, with a great view of machine settings, rearview camera and Slope Indicate/Slope Assist screens. The large reversing camera gives the operator better visibility to the job site.

DURABLE UNDERCARRIAGE

- The D1 SSLGP is available with a Sealed and Lubricated Track (SALT) to best suit your application. The undercarriage has a longer life resulting in less down time. A one piece mainframe/track roller frame design and the large, double reduction planetary final drive allow the machine to push heavy loads. It also features optional self-cleaning shoes to avoid packing while operating the machine and improve flotation.

Specifications

Engine

Engine Model	Cat C3.6	
Net Power @ 2,200 rpm		
SAE J1349	59.7 kW	80 hp
ISO 9249/EEC 80/1269	59.7 kW	80 hp
Power Train	Hydrostatic	
Displacement	3.6 L	220 in ³

- Net power is tested per ISO 9249:2007 and SAE J1349:2011 and as advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- All non-road U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 (Tier 4 Final) and Korea Tier 4 Final diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm EPA/10 ppm EU (mg/kg) sulfur or less.

Weights

Operating Weight	9572 kg	21,103 lb
------------------	---------	-----------

- Specifications shown are for machine equipped with dozer blade, EROPS cab, back-up alarm, operator, coolant, lubricants and full fuel tank.
- For machine with ripper, add 554 kg (1,222 lb).



D1 SSLGP Dozer

Cab

ROPS	ISO 3471:2008
FOPS	ISO 3449:2005 Level II

Transmission

Drive Pumps	1	
Track Motors	2	
Relief Valve Settings	48 500 kPa	7,033 psi
Maximum Travel Speed – Forward	9 km/h	5.6 mph
Maximum Travel Speed – Reverse	10 km/h	6.2 mph

Undercarriage

Number of Rollers (each side)	8	
Number of Shoes (each side) – Sealed and Lubricated Track (SALT) Undercarriage	52	
Shoe Width	990 mm	39 in
Length of Track on Ground	2940 mm	115.7 in
Track Gauge	2080 mm	81.9 in
Ground Pressure	16 kPa	2.32 psi

Service Refill Capacities

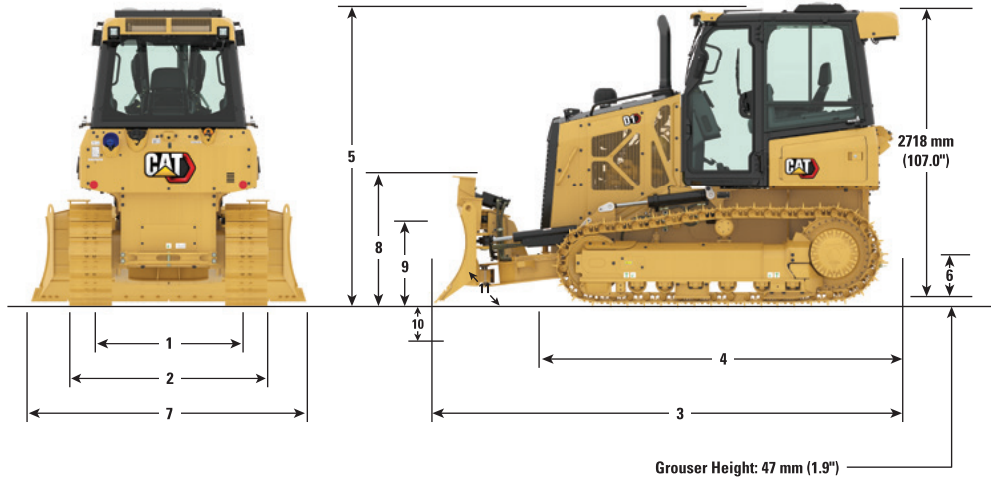
Fuel Tank	195 L	51.5 gal
Crankcase and Filter	10.5 L	2.8 gal
Final Drives, (each side)	10 L	2.6 gal
Final Drives, LGP (each side)	10 L	2.6 gal
Cooling System	19 L	4.2 gal
Transmission/Hydraulic Tank	90 L	23.8 gal
Diesel Exhaust Fluid (DEF) Tank	19 L	4.9 gal

Hydraulic Controls

Pump Output	65 L/min	17.2 gal/min
Relief Valve Settings	20 600 kPa	2,988 psi

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.8 kg of refrigerant which has a CO₂ equivalent of 2.574 metric tonnes.



Dimensions*

	SSLGP	
1 Track Gauge	2080 mm	81.9 in
2 Width of Dozer (standard shoes, no blade)	3070 mm	120.9 in
3 Overall Length (with blade)	4650 mm	183.1 in
4 Length of Basic Dozer (without blade)	4250 mm	167.3 in
5 Dozer Height	2790 mm	109.8 in
6 Ground Clearance	405 mm	15.9 in
BLADE	SSLGP	
7 Blade Width	3470 mm	136.6 in
8 Blade Height	695 mm	27.4 in
9 Blade Lift Height	1025 mm	40.4 in
10 Digging Depth	399 mm	15.4 in
11 Blade Cutting Edge Angle		53°
Maximum Tilt	480 mm	18.9 in
Maximum Angle (either side)		N/A
Blade Width at Maximum Angle	N/A	N/A
Blade Capacity (SAE)	1.2 m ³	1.57 yd ³

*Abrasion Undercarriage

D1 SSLGP Dozer

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
POWER TRAIN			ATTACHMENTS		
Air cleaner with precleaner, automatic dust ejection and underhood intake	✓		Rigid drawbar	✓	
Air cleaner with external precleaner		✓	Drawbar, towing		✓
Aluminum bar plate cooling system (radiator, power train)	✓		Front pull device	✓	
Automatic traction control	✓		Machine security system		✓
Cat C3.6 diesel engine	✓		OPERATOR ENVIRONMENT		
Drive, auxiliary	✓		Armrests, adjustable	✓	
Dual path, closed loop, hydrostatic transmission	✓		Cab, with air conditioning		✓
Electric fuel pump	✓		Cab, polycarbonate windows and air conditioning		✓
Fuel/water separator	✓		Coat hook	✓	
Turbocharged aftercooled	✓		Controls, seat mounted, fore/aft adjustment	✓	
ELECTRICAL			Cup holders	✓	
Alarm, backup	✓		ECO Mode	✓	
Alternator, 150 amp, heavy duty	✓		Electronic Monitoring system with gauge:		
Batteries, heavy duty, maintenance free, 1,000 CCA	✓		– Chassis slope indication	✓	
Diagnostic connector	✓		– Diesel exhaust fluid (DEF)	✓	
Four integrated front halogen lights, two rear halogen	✓		– Engine coolant temperature	✓	
Four integrated front LED lights, two rear LED		✓	– Fuel level	✓	
Horn, electric	✓		– Hydraulic oil temperature	✓	
Starter, electric, 12 V, heavy duty	✓		Electronic security system	✓	
UNDERCARRIAGE			Engine air cleaner service indicator	✓	
SALT undercarriage (52 section)	✓		Engine RPM and gear display	✓	
Track Pairs			Floor mat, rubber, heavy duty	✓	
– Track, 990 mm (39 in)		✓	Foot pads, dash	✓	
Carrier rollers	✓		Hour meter, electronic	✓	
Guards, front/rear guiding	✓		Independent forward/reverse speed settings	✓	
Eight roller track frame	✓		Mirror, rearview, inside	✓	
Track adjusters, hydraulic	✓		Power port, 12 volt	✓	
Track rollers, lifetime lubricated	✓		Radio, AM/FM Bluetooth®		✓
HYDRAULIC			ROPS/FOPS canopy	✓	
Hydraulic pump and oil	✓		Seat, air suspended, cloth or vinyl	✓	
Four valve for use with ripper		✓	Seat, air suspension, choice of:		
Four valve for use with winch		✓	– Vinyl, heated seat with heated controls		✓
Single lever, three function control	✓		– Cloth, heated seat with heated controls		✓
Three valve hydraulics	✓		– Cloth, heated and ventilated seat with heated controls		✓
CAT TECHNOLOGY			Seatbelt, hi-vis retractable 76 mm (3")	✓	
Cat Grade with Slope Assist		✓	Seatbelt buckling indicator/reminder	✓	
Cat Grade with 3D		✓	Single pedal combining decel and brake functions	✓	
Cat Product Link™ PLE643/PLE743 Cellular	✓		Sound suppression		✓
Cat Product Link PLE683/PLE783 Cellular/Satellite		✓	Speed recall	✓	
Full-color 10 in (254 mm) touchscreen grade display		✓	Storage compartment	✓	
Slope Indicate	✓		Throttle switch, rotary	✓	
Stable blade	✓		Travel speed limiter, electronic	✓	
			OTHER		
			Heater, engine, coolant 120 V/240 V		✓
			Starting aid, ether		✓

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

© 2022 Caterpillar
All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEHQ8390-01 (04-2022)
Replaces AEHQ8390
Build Number: 12A
(N Am, Aus-NZ, Japan)

