



Cat[®] D2

TRACK-TYPE TRACTOR

FEATURES:

The new Cat[®] D2 delivers superior performance and the broadest choice of technology features to help you get the most from your dozer. Nimble and responsive, it has 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 D2 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 D2 is available with either a Sealed and Lubricated Track (SALT) or Abrasion undercarriage 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.

Specifications

Engine

| | | |
|-----------------------|-----------------------|---------------------|
| Engine Model | Cat [®] C3.6 | |
| Net Power @ 2,200 rpm | | |
| SAE J1349 | 68.8 kW | 92 hp |
| ISO 9249, 80/1269/EEC | 68.8 kW | 92 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 | 8338 kg | 18,382 lb |
| Operating Weight – LGP | 8648 kg | 19,066 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).

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 |



D2 Track-Type Tractor

Undercarriage

| | | |
|--|----------|---------|
| Number of Rollers (each side) | 7 | |
| Number of Shoes (each side) – Sealed and Lubricated Track (SALT) Undercarriage | 43 | |
| Number of Shoes (each side) – Abrasion Undercarriage | 38 | |
| Shoe Width | 460 mm | 18 in |
| Shoe Width – LGP | 635 mm | 25 in |
| Length of Track on Ground | 2248 mm | 89 in |
| Length of Track on Ground – LGP | 2248 mm | 89 in |
| Track Gauge | 1550 mm | 61 in |
| Track Gauge – LGP | 1725 mm | 68 in |
| Ground Pressure | 39.5 kPa | 5.7 psi |
| Ground Pressure – LGP | 29.7 kPa | 4.3 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 | 5.0 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 |

Ripper

| | | |
|------------------------------------|---------------|----------|
| Type | Parallelogram | |
| Number of Shanks | 3 | |
| Maximum Digging Depth | 337.5 mm | 13.3 in |
| Maximum Reach at Ground Line | 766 mm | 30.2 in |
| Maximum Ground Clearance Under Tip | 448 mm | 17.6 in |
| Overall Width | 1710 mm | 67.3 in |
| Height | 165 mm | 6.5 in |
| Weight | 554 kg | 1,222 lb |

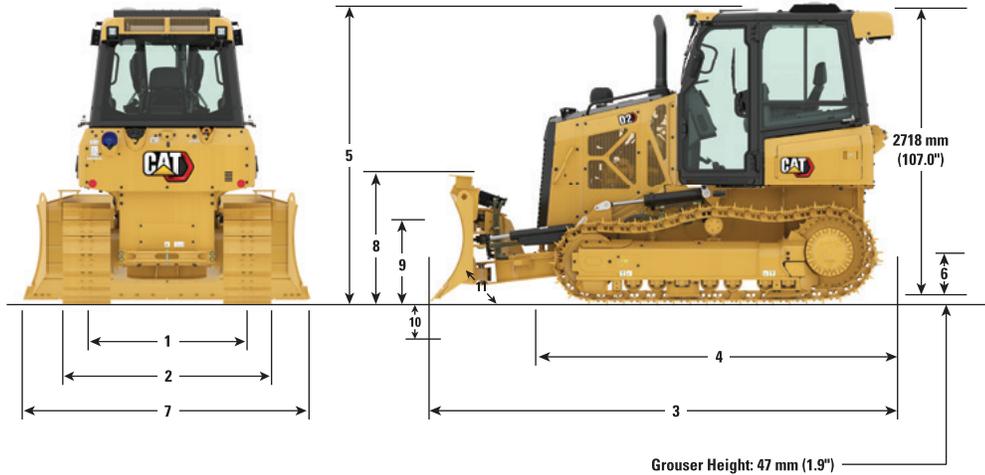
Winch

| | | |
|-----------------------------------|-------------|------------|
| Weight | 610 kg | 1,345 lb |
| Winch Drive | Hydrostatic | |
| Control | 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 | 256 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 | 131 ft/min |
| Maximum Line Speed – full drum | 63 m/min | 207 ft/min |

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.

D2 Track-Type Tractor



Dimensions*

| | Standard | | LGP | | | |
|---|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|
| 1 Track Gauge | 1550 mm | 61.0 in | 1725 mm | 67.9 in | | |
| 2 Width of Tractor (standard shoes, no blade) | 2010 mm | 79.1 in | 2360 mm | 92.9 in | | |
| 3 Overall Length (with blade) | 4281 mm | 168.5 in | 4272 mm | 168.2 in | | |
| 4 Length of Basic Tractor (without blade) | 3290 mm | 129.5 in | 3290 mm | 129.5 in | | |
| 5 Tractor Height | 2765 mm | 108.9 in | 2765 mm | 108.9 in | | |
| 6 Ground Clearance | 332 mm | 13 in | 332 mm | 13 in | | |
| With Ripper Attachment (add to Length of Basic Tractor) | 1177 mm | 46.3 in | 1177 mm | 46.3 in | | |
| BLADE | Standard | | Intermediate | | LGP | |
| 7 Blade Width | 2782 mm | 109.5 in | 2921 mm | 115 in | 3149 mm | 124 in |
| 8 Blade Height | 1010 mm | 39.8 in | 860 mm | 33.9 in | 910 mm | 35.8 in |
| 9 Blade Lift Height | 743 mm | 29.3 in | 743 mm | 29.3 in | 708 mm | 27.9 in |
| 10 Digging Depth | 573 mm | 22.5 in | 590 mm | 23.2 in | 590 mm | 23.2 in |
| 11 Blade Cutting Edge Angle, Adjustable | 52° to 58° | | 52° to 58° | | 52° to 58° | |
| Maximum Tilt | 387 mm | 15.2 in | 448 mm | 17.7 in | 438 mm | 17.2 in |
| Maximum Angle (either side) | 25° | | 25° | | 25° | |
| Blade Width at Maximum Angle | 2542 mm | 100.1 in | 2669 mm | 105.1 in | 2874 mm | 113.1 in |
| Blade Capacity (SAE) | 1.98 m ³ | 2.59 yd ³ | 1.50 m ³ | 1.96 yd ³ | 1.85 m ³ | 2.42 yd ³ |

*Abrasion Undercarriage

D2 Track-Type Tractor

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 | ✓ | | Mounting, winch | | ✓ |
| Drive, auxiliary | ✓ | | Ripper, parallelogram, includes three shanks and teeth | | ✓ |
| Dual path, closed loop, hydrostatic transmission | ✓ | | Winch, hydraulic, high performance | | ✓ |
| Electric fuel pump | ✓ | | Winch, hydraulic, retrieval | | ✓ |
| Fuel/water separator | ✓ | | OPERATOR ENVIRONMENT | | |
| Installation, winch | | ✓ | Armrests, adjustable | ✓ | |
| Turbocharged aftercooled | ✓ | | Cab, with air conditioning | | ✓ |
| ELECTRICAL | | | Cab, polycarbonate windows and air conditioning | | ✓ |
| Alarm, backup | ✓ | | Coat hook | ✓ | |
| Alternator, 150 amp, heavy duty | ✓ | | Controls, seat mounted, fore/aft adjustment | ✓ | |
| Batteries, heavy duty, maintenance free, 1,000 CCA | ✓ | | Cup holders | ✓ | |
| Diagnostic connector | ✓ | | Eco Mode | ✓ | |
| Four integrated front halogen lights, two rear halogen | ✓ | | Electronic Monitoring system with gauge: | | |
| Four integrated front LED lights, two rear LED | | ✓ | – Chassis slope indication | ✓ | |
| Horn, electric | ✓ | | – Diesel exhaust fluid (DEF) | ✓ | |
| Starter, electric, 12 V, heavy duty | ✓ | | – Engine coolant temperature | ✓ | |
| UNDERCARRIAGE | | | – Fuel level | ✓ | |
| SALT undercarriage (43 section) | ✓ | | – Hydraulic oil temperature | ✓ | |
| Abrasion undercarriage (38 section) | | ✓ | Electronic security system | ✓ | |
| Track Pairs | | | Engine air cleaner service indicator | ✓ | |
| – Track, 460 mm (18 in) | | ✓ | Engine RPM and gear display | ✓ | |
| – Track, 635 mm (25 in) | | ✓ | Floor mat, rubber, heavy duty | ✓ | |
| Carrier rollers | ✓ | | Foot pads, dash | ✓ | |
| Guards, front/rear guiding | ✓ | | Hour meter, electronic | ✓ | |
| Seven roller track frame | ✓ | | Independent forward/reverse speed settings | ✓ | |
| Track adjusters, hydraulic | ✓ | | Mirror, rearview, inside | ✓ | |
| Track rollers, lifetime lubricated | ✓ | | Power port, 12 volt | ✓ | |
| HYDRAULIC | | | Radio, AM/FM Bluetooth® | | ✓ |
| Hydraulic pump and oil | ✓ | | ROPS/FOPS canopy | ✓ | |
| Four valve for use with ripper | | ✓ | Seat, air suspended, cloth or vinyl | ✓ | |
| Four valve for use with winch | | ✓ | Seat, air suspension, choice of: | | |
| Single lever, three function control | ✓ | | – Vinyl, heated seat with heated controls | | ✓ |
| Three valve hydraulics | ✓ | | – Cloth, heated seat with heated controls | | ✓ |
| CAT TECHNOLOGY | | | – Cloth, heated and ventilated seat with heated controls | | ✓ |
| Cat GRADE with Slope Assist | | ✓ | Seatbelt, hi-vis retractable 76 mm (3") | ✓ | |
| Cat GRADE with 3D | | ✓ | Seatbelt buckling indicator/reminder | ✓ | |
| Cat Product Link PLE643/PLE743 Cellular | ✓ | | Single pedal combining decel and brake functions | ✓ | |
| Cat Product Link PLE683/PLE783 Cellular/Satellite | | ✓ | Sound suppression | | ✓ |
| Full-color 10 in (254 mm) touchscreen grade display | | ✓ | Speed recall | ✓ | |
| Power Pitch | | ✓ | Storage compartment | ✓ | |
| Slope Indicate | ✓ | | Throttle switch, rotary | ✓ | |
| Stable blade | ✓ | | Travel speed limiter, electronic | ✓ | |
| | | | OTHER | | |
| | | | Heater, engine, coolant 120 V/240 V | | ✓ |
| | | | Starting aid, ether | | ✓ |

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