



# Cat<sup>®</sup> D1/D2/D3

## FIRE SUPPRESSION DOZERS

### FEATURES:

The Cat<sup>®</sup> D1, D2 and D3 Fire Suppression Dozers take on the demands of fire fighting and prevention with factory-installed equipment designed to help protect the operator and the machine in harsh applications.

#### OPERATOR STATION

- Sloping hood line provides the operator greater visibility to the corner of the blade and peripheral vision over the jobsite
- Spacious cab with generous leg room
- Air conditioning with cab option
- Fully adjustable air suspension seat
- Seat mounted joystick controls
- Rear camera with 254 mm (10 in) color touchscreen and intuitive controls to aid operator interface (optional)

#### HYDROSTATIC TRANSMISSION CONTROL

- Joystick control for intuitive steering, direction and speed control
- Power turn provides optimum maneuverability

#### UNDERCARRIAGE

- Planetary final drive to spread load over multiple gears
- Standard configuration – ideal for most applications
- LGP configuration – available for material requiring additional machine floatation
- Heavy duty (HD) undercarriage

#### WINCH

- Maximum line speed and pull for high performance
- 4th and 5th auxiliary hydraulic functions with float optional with winch

#### PRODUCTIVITY

- Exceptional maneuverability
- Maximum drawbar pull for rear implements

#### SERVICEABILITY

- Ground level accessibility
- Grouped service points

#### GUARDING AND PROTECTION

- Fire protection sheathing on engine harness, fuel lines and critical electrical wiring
- Sweeps protect the operator and machine from branches
- Hinged radiator grill guard

#### OWNING AND OPERATING COSTS

- Low undercarriage cost per hour
- Turbine type engine air precleaner (optional)
- Extended service intervals
- Up to 10% improved fuel economy

# D1/D2/D3 Fire Suppression Dozers

## D1, D2, D3 Fire Suppression Dozer Features

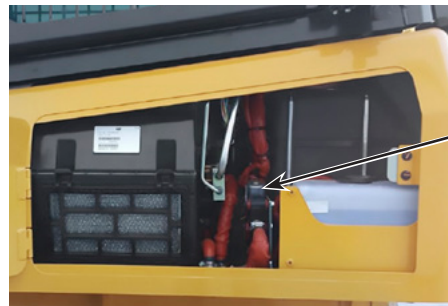


- 1) Front work light guard to protect halogen or LED lighting options
- 2) External hinged brush screen release for cleaning
- 3) Hydrostatic winch with variable line speed and smooth modulation for superior load control
- 4) D-Ring tie down eyes (two per side) for safety when chaining to the trailer
- 5) 12 mm (0.47 in) thick extreme duty bottom guard for extra protection
- 6) Exhaust pipe secured to sweep for protection
- 7) Sweeps to help protect the machine from branches
- 8) Hinged door on the right side and quick release engine panel on the left side for easy access
- 9) Hinged, heavy duty radiator grill guard for easy access

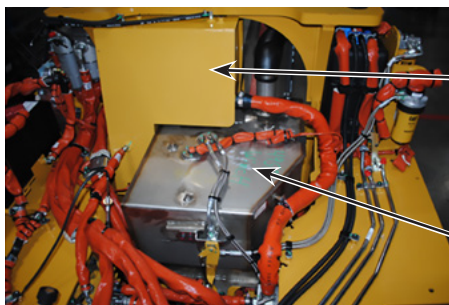


Fire sleeve protection covers protect:

- Coolant lines
- Diesel Exhaust Fluid (DEF) lines
- Heater hoses
- Hydraulic lines



Air intake filter with spark arresting fire elements



Steel hydraulic tank

Stainless steel fuel tank



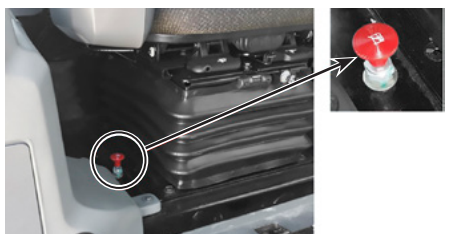
Internal release on side screens for emergency exit



Blade hydraulic lines with nylon sleeve to help protect the hydraulic hoses from being damaged or punctured



Work lights on three independent circuits so operators can control which lights they want to illuminate the work area



Manual fuel shut-off



Winch features maximum line speed and pull for high performance

# D1/D2/D3 Fire Suppression Dozers

## Specifications

|   | D1 Fire Suppression                         | D2 Fire Suppression                         | D3 Fire Suppression                        |
|---|---|---|--|
| Operating weight*                       | 8537 kg (18,821 lb)                         | 8776 kg (19,348 lb)                         | 9800 kg (21,605 lb)                        |
| Operating weight* – LGP                 | 8983 kg (19,804 lb)                         | 9086 kg (20,031 lb)                         | 10 135 kg (22,344 lb)                      |
| Operating weight* – LGP, 762 mm (30 in) | 9190 kg (20,264 lb)                         | —   | 10 338 kg (22,719 lb)                      |
| Power – Net                             | 59.7 kW (80 hp)                             | 68.8 kW (92 hp)                             | 77.6 kW (104 hp)                           |
| Power – Net (High Horsepower Option)    | 68.8 kW (92 hp)                             | 77.6 kW (104 hp)                            | 87.2 kW (117 hp)                           |
| Max travel speed – forward              | 9.0 km/h (5.6 mph)                          | 9.0 km/h (5.6 mph)                          | 9.0 km/h (5.6 mph)                         |
| Max travel speed – reverse              | 10 km/h (6.2 mph)                           | 10 km/h (6.2 mph)                           | 10 km/h (6.2 mph)                          |
| Overall length with blade               | 4830 mm (190.2")                            | 4830 mm (190.2")                            | 4925 mm (193.9")                           |
| Width of dozer – no blade               | 1900 mm (74.8")                             | 2010 mm (79.1")                             | 2110 mm (83")                              |
| Blade width – standard                  | 2400 mm (94.5")                             | 2400 mm (94.5")                             | 2575 mm (101.4")                           |
| Dozer height**                          | 2765 mm (108.9")                            | 2765 mm (108.9")                            | 2769 mm (109")                             |
| Track gauge                             | 1495 mm (59")                               | 1550 mm (61.0")                             | 1600 mm (63.0")                            |
| Shoe width – standard                   | 406 mm (16")                                | 460 mm (18")                                | 510 mm (20")                               |
| Blade height                            | 875 mm (34.4")                              | 875 mm (34.4")                              | 950 mm (37.4")                             |
| Blade lift height                       | 1580 mm (62.2")                             | 1580 mm (62.2")                             | 1650 mm (65.0")                            |
| Digging depth                           | 589 mm (23.2")                              | 593 mm (23.3")                              | 605 mm (23.8")                             |
| Blade capacity                          | 1.58 m <sup>3</sup> (2.07 yd <sup>3</sup> ) | 1.58 m <sup>3</sup> (2.07 yd <sup>3</sup> ) | 2.0 m <sup>3</sup> (2.62 yd <sup>3</sup> ) |
| Blade tilt – front                      | 38°   | 38°   | 38°  |
| Blade tilt – rear                       | 30°   | 30°   | 30°  |

\*Includes dozer blade, cab Enclosed Rollover Protective Structure (EROPS), operator and fuel.

\*\*Add 88.9 mm (3.5 in) to height for machines equipped with optional sweeps.

Highly Regulated Countries (HRC):

- 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.

## High Performance 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) |

## Retrieval Winch

|                                   |                       |
|-----------------------------------|-----------------------|
| Weight                            | 794 kg (1,747 lb)     |
| Winch drive                       | Hydraulic             |
| Control                           | Hydraulic             |
| Speed                             | Variable              |
| Winch length                      | 905 mm (35.63 in)     |
| Overall width                     | 709 mm (27.91 in)     |
| Drum diameter                     | 203.2 mm (8 in)       |
| Drum width                        | 245 mm (9.65 in)      |
| Throat clearance                  | 141.4 mm (5.6 in)     |
| Rope diameter – recommended       | 16 mm (5/8 in)        |
| Rope diameter – optional          | 19 mm (3/4 in)        |
| Drum capacity – recommended cable | 84 m (277 ft)         |
| Drum capacity – optional cable    | 59 m (195 ft)         |
| Maximum line pull – bare drum     | 14 583 kg (32,150 lb) |
| Maximum line pull – full drum     | 9231 kg (20,350 lb)   |
| Maximum line speed – bare drum    | 15 m/min (50 ft/min)  |
| Maximum line speed – full drum    | 24 m/min (79 ft/min)  |

# D1/D2/D3 Fire Suppression Dozers

## Standard and Optional Equipment

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

|  | Standard | Optional |  | Standard | Optional |
|--|----------|----------|--|----------|----------|
| <b>POWER TRAIN</b>   |          |          | <b>ATTACHMENTS</b>   |          |          |
| 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  |          | ✓        |
| Fire sleeve protection covers to protect coolant and diesel exhaust fluid (DEF) lines and heater hoses | ✓        |          | <b>OPERATOR ENVIRONMENT</b>  |          |          |
| Fuel/water separator   | ✓        |          | Armrests, adjustable   | ✓        |          |
| Installation, winch  |          | ✓        | Cab, with air conditioning   |          | ✓        |
| Spark-arresting air intake filter  | ✓        |          | Cab, polycarbonate windows and air conditioning  |          | ✓        |
| Stainless steel fuel tank  | ✓        |          | Coat hook  | ✓        |          |
| Turbocharged aftercooled   | ✓        |          | Controls, seat mounted, fore/aft adjustment  | ✓        |          |
| <b>ELECTRICAL</b>  |          |          | 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   | ✓        |          | – 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   | ✓        |          |
| Work lights on three independent circuits to control work area illumination                            | ✓        |          | Emergency release side screens, inside cab   | ✓        |          |
| <b>UNDERCARRIAGE</b>   |          |          | Engine air cleaner service indicator   | ✓        |          |
| Heavy duty (HD) undercarriage  | ✓        |          | Engine RPM and gear display  | ✓        |          |
| Abrasion undercarriage   |          | ✓        | Floor mat, rubber, heavy duty  | ✓        |          |
| Track Pairs  |          |          | Foot pads, dash  | ✓        |          |
| – D1 Track, 406/635/762 mm (16/25/30 in)   |          | ✓        | Fuel shutoff, in cab   | ✓        |          |
| – D2 Track, 460/635 mm (18/25 in)  |          | ✓        | Hour meter, electronic   | ✓        |          |
| – D3 Track, 510/660/762 mm (20/26/30 in)   |          | ✓        | Independent forward/reverse speed settings   | ✓        |          |
| Carrier rollers  | ✓        |          | Mirror, rearview, inside   | ✓        |          |
| Guards, front/rear guiding   | ✓        |          | Power port, 12 volt  | ✓        |          |
| Seven roller track frame   | ✓        |          | Radio, AM/FM Bluetooth®  |          | ✓        |
| Track adjusters, hydraulic   | ✓        |          | Rollover Protective Structure (ROPS)/Falling Object Protective Structure (FOPS) canopy | ✓        |          |
| Track rollers, lifetime lubricated   | ✓        |          | Seat, air suspended, cloth or vinyl  | ✓        |          |
| <b>HYDRAULIC</b>   |          |          | Seat, air suspension, choice of:   |          |          |
| Hydraulic pump and oil   | ✓        |          | – Vinyl, heated seat with heated controls  |          | ✓        |
| Fire sleeve protection covers to protect hydraulic lines   | ✓        |          | – Cloth, heated seat with heated controls  |          | ✓        |
| Four valve for use with ripper   |          | ✓        | – Cloth, heated and ventilated seat with heated controls                               |          | ✓        |
| Four valve for use with or without winch   |          | ✓        | Seatbelt, hi-vis retractable 76 mm (3 in)  | ✓        |          |
| Five valve for use with or without winch   |          | ✓        | Seatbelt buckling indicator/reminder   | ✓        |          |
| Nylon sleeves on blade hydraulic lines to protect hydraulic hoses                                      | ✓        |          | Single pedal combining decel and brake functions                                       | ✓        |          |
| Single lever, three function blade control   | ✓        |          | Sound suppression  |          | ✓        |
| Steel hydraulic tank   | ✓        |          | Speed recall   | ✓        |          |
| Three valve hydraulics   | ✓        |          | Storage compartment  | ✓        |          |
| <b>CAT TECHNOLOGY</b>  |          |          | Throttle switch, rotary  | ✓        |          |
| Cat Product Link™ PLE643/PLE743 Cellular   | ✓        |          | Travel speed limiter, electronic   | ✓        |          |
| Cat Product Link PLE683/PLE783 Cellular/Satellite  |          | ✓        | <b>OTHER</b>   |          |          |
| Full-color 254 mm (10 in) touchscreen with rear camera   |          | ✓        | Heater, engine, coolant 120 V/240 V  |          | ✓        |
| Slope Indicate   | ✓        |          | Starting aid, ether  |          | ✓        |

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

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