

# PRODUCT SPECIFICATIONS FOR D2



## ENGINE

<b>Engine Model</b>	Cat® C3.6
<b>Power - Net</b>	92 HP
<b>Displacement</b>	220 in <sup>3</sup>
<b>Net Power - 2,200 rpm - SAE J1349</b>	92 HP
<b>Net Power - 2,200 rpm - ISO 9249/EEC 80/1269</b>	92 HP

**Note (1)** 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.

**Note (2)** 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.

## ENGINE

<b>Power Train</b>	Hydrostatic
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## WEIGHTS

<b>OperatingWeight</b>	18382 lb
<b>OperatingWeight-LGP</b>	19066 lb

**Note (2)** For machine with ripper, add 554 kg (1,222 lb).

**Note (1)** Specifications shown are for machine equipped with dozer blade, EROPS cab, back-up alarm, operator, coolant, lubricants and full fuel tank.

## WEIGHTS

**OperatingWeight**

18382 lb

## CAB

**FOPS** ISO 3449:2005 Level II

**ROPS** ISO 3471:2008

## TRANSMISSION

**Drive Pumps** 1

**Maximum TravelSpeed - Forward** 5.6 mile/h

**ReliefValve Settings** 7033 psi

**Maximum TravelSpeed - Reverse** 6.2 mile/h

**Track Motors** 2

## UNDERCARRIAGE

**Length - Track on Ground - LGP** 89 in

**Track Gauge** 61 in

**Number of Rollers - Each Side** 7

**Track Gauge - LGP** 68 in

**Ground Pressure - LGP** 4.3 psi

**Shoe Width - Standard** 18 in

**Shoe Width - LGP** 25 in

**Number of Shoes - Each Side - Sealed and Lubricated Track (SALT)  
Undercarriage** 43

## UNDERCARRIAGE

<b>Number of Shoes - Each Side - Abrasion Undercarriage</b>	38
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<b>Ground Pressure</b>	5.7 psi
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<b>Length of Track on Ground</b>	89 in
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## SERVICE REFILL CAPACITIES

<b>Fuel Tank</b>	51.5 gal (US)
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<b>Crankcase - With Filter</b>	2.8 gal (US)
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<b>Final Drive - Each - LGP</b>	2.6 gal (US)
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<b>Cooling System</b>	5 gal (US)
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<b>Transmission - Hydraulic Tank</b>	23.8 gal (US)
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<b>Diesel Exhaust Fluid (DEF) Tank</b>	4.9 gal (US)
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## SERVICE REFILL CAPACITIES

<b>Final Drives - Each Side</b>	2.6 gal (US)
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## HYDRAULIC CONTROLS

<b>Pump Output</b>	17.2 gal/min
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<b>Relief Valve Settings</b>	2988 psi
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## RIPPER

<b>Type</b>	Parallelogram
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<b>Number of Shanks</b>	3
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<b>Height</b>	6.5 in
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<b>Weight</b>	1222 lb
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<b>Maximum Digging Depth</b>	13.3 in
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<b>Maximum Ground Clearance Under Tip</b>	17.6 in
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<b>Overall Width</b>	67.3 in
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<b>Maximum Reach - Ground Line</b>	30.2 in
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## AIR CONDITIONING SYSTEM

**Air Conditioning** 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 CO<sub>2</sub> equivalent of 2.574 metric tonnes.

## DIMENSIONS

<b>BLADE: Digging Depth - LGP</b>	23.2 in
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<b>BLADE: Blade Cutting Edge Angle, Adjustable - LGP</b>	52° to 58°
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<b>BLADE: Blade Lift Height - LGP</b>	27.9 in
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<b>BLADE: Blade Width - LGP</b>	124 in
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<b>BLADE: Blade Width at Maximum Angle - LGP</b>	113.1 in
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<b>Track Gauge - LGP</b>	67.9 in
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<b>Ground Clearance - LGP</b>	13 in
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<b>BLADE: Blade Height - LGP</b>	35.8 in
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<b>Overall Length - With Blade - LGP</b>	168.2 in
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<b>BLADE: Blade Capacity (SAE) - LGP</b>	2.42 yd <sup>3</sup>
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<b>BLADE: Maximum Tilt - LGP</b>	17.2 in
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<b>BLADE: Maximum Angle (either side) - LGP</b>	25°
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**Note** Abrasion Undercarriage

**Length of Basic Dozer (without blade) - LGP** 129.5 in

**Width of Dozer (standard shoes, no blade) - Standard** 79.1 in

**Dozer Height - LGP** 108.9 in

**Dozer Height - Standard** 108.9 in

**Width of Dozer (standard shoes, no blade) - LGP** 92.9 in

**Length of Basic Dozer (without blade) - Standard** 129.5 in

## DIMENSIONS

**BLADE: Maximum Angle (either side) - Standard** 25°

**Ground Clearance - Standard** 13 in

**Overall Length - With Blade - Standard** 168.5 in

**BLADE: Blade Cutting Edge Angle, Adjustable - Standard** 52° to 58°

**BLADE: Maximum Tilt - Standard** 15.2 in

**Track Gauge - Standard** 61 in

**BLADE: Digging Depth - Standard** 23.3 in

**BLADE: Blade Width - Standard** 109.5 in

**BLADE: Blade Lift Height - Standard** 29.3 in

**BLADE: Blade Capacity (SAE) - Standard** 2.59 yd<sup>3</sup>

**BLADE: Blade Width at Maximum Angle - Standard** 100.1 in

**Note** With Ripper Attachment (add to Length of Basic Dozer)  
- 1177 mm (46.3 in)

**BLADE: Blade Height - Standard** 39.8 in

## RETRIEVAL WINCH

**Maximum Line Speed - Full Drum** 79 ft/min

**Maximum Line Speed - Bare Drum** 50 ft/min

**Weight** 1747 lb

**Drum Capacity - Optional Cable** 195 ft

**Rope Diameter - Recommended** 0.63 in

**Winch Drive** Hydraulic

**Rope Diameter - Optional** 0.75 in

**Drum Capacity - Recommended Cable** 277 ft

**Maximum Line Pull - Full Drum** 20350 lb

**Speed** Variable

**Maximum Line Pull - Bare Drum** 32150 lb

**Control** Hydraulic

**Overallwidth** 27.91 in

**Drum Width** 9.65 in

**Drum Diameter** 8 in

<b>Winch Length</b>	35.63 in
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<b>Throat Clearance</b>	5.6 in
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## **HIGH PERFORMANCE WINCH**

<b>Maximum line pull – bare drum</b>	40000 lb
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<b>Drum capacity – recommended cable</b>	371 ft
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<b>Winch length</b>	27.76 in
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<b>Overall width</b>	29.2 in
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<b>Control</b>	Hydraulic
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<b>Maximum line speed – bare drum</b>	131 ft/min
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<b>Maximum line speed – full drum</b>	207 ft/min
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<b>Drum width</b>	10.8 in
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<b>Drum capacity – optional</b>	256 ft
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<b>Throat clearance</b>	6.75 in
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<b>Weight</b>	1345 lb
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<b>Rope diameter – recommended</b>	0.63 in
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<b>Speed</b>	Variable
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<b>Maximum line pull – full drum</b>	25000 lb
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<b>Drum diameter</b>	10 in
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<b>Rope diameter – optional</b>	0.75 in
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## **D2 STANDARD EQUIPMENT**

### **POWER TRAIN**

Air cleaner with precleaner, automatic dust ejection and under hood intake  
Aluminum bar plate cooling system (radiator, power train)  
Automatic traction control  
Cat C3.6 diesel engine  
Drive, auxiliary  
Dual path, closed loop, hydrostatic transmission  
Electric fuel pump  
Fuel/water separator  
Turbocharged aftercooled

### **ELECTRICAL**

Alarm, backup  
Alternator, 150 amp, heavy duty  
Batteries, heavy duty, maintenance free, 1,000 CCA  
Diagnostic connector  
Four integrated front halogen lights, two rear halogen  
Horn, electric  
Starter, electric, 12 V, heavy duty

### **UNDERCARRIAGE**

SALT undercarriage (43 section)  
Carrier rollers  
Guards, front/rear guiding  
Seven roller track frame  
Track adjusters, hydraulic  
Track rollers, lifetime lubricated

### **HYDRAULIC**

Hydraulic pump and oil  
Single lever, three function control  
Three valve hydraulics

### **CAT TECHNOLOGY**

Low Slip Traction Control (included with ARO and Cat Grade 3D)  
Slope Indicate  
Stable Blade Lift and Tilt (included with ARO and Cat Grade 3D)  
Compatibility with radios and base stations from Trimble, Topcon, and Leica  
Capability to install 3D grade systems from Trimble, Topcon, and Leica  
Cat Product Link™ PLE643/PLE743 Cellular



## **ATTACHMENTS**

Rigid drawbar  
Front pull device

## **OPERATOR ENVIRONMENT**

Armrests, adjustable  
Coat hook  
Controls, seat mounted, fore/aft adjustment  
Cup holders  
Eco Mode  
Electronic Monitoring system with gauge:  
– Chassis slope indication  
– Diesel exhaust fluid (DEF)  
– Engine coolant temperature  
– Fuel level  
– Hydraulic oil temperature  
Electronic security system  
Engine air cleaner service indicator  
Engine RPM and gear display  
Floor mat, rubber, heavy duty  
Foot pads, dash  
Hour meter, electronic  
Independent forward/reverse speed settings  
Mirror, rearview, inside  
Power port, 12 volt  
ROPS/FOPS canopy  
Seat, air suspended, cloth or vinyl  
Seatbelt, hi-vis retractable 76 mm (3")  
Seatbelt buckling indicator/reminder  
Single pedal combining decel and brake functions  
Speed recall  
Storage compartment  
Throttle switch, rotary  
Travel speed limiter, electronic

## **D2 OPTIONAL EQUIPMENT**

### **POWER TRAIN**

Air cleaner with external precleaner  
Installation, winch

### **ELECTRICAL**

Four integrated front LED lights, two rear LED

### **UNDERCARRIAGE**

Abrasion undercarriage (38 section)

Track Pairs

– Track, 460 mm (18 in)

– Track, 635 mm (25 in)

## **HYDRAULIC**

Four valve for use with ripper

Four valve for use with winch

## **CAT TECHNOLOGY**

Cat Grade with Slope Assist

Cat Grade with 3D

Blade Load Monitor (included with Cat Grade 3D)

AutoCarry (included with Cat Grade 3D)

Cat Product Link PLE683/PLE783 Cellular/Satellite

Full-color 10 in (254 mm) touchscreen grade display

Cat Command Console

Cat Command Station

## **ATTACHMENTS**

Drawbar, towing

Machine security system

Mounting, winch

Ripper, parallelogram, includes three shanks and teeth

Winch, hydraulic, high performance

Winch, hydraulic, retrieval

## **OPERATOR ENVIRONMENT**

Power Pitch

Cab, with air conditioning

Cab, polycarbonate windows and air conditioning

Radio, AM/FM Bluetooth®

Seat, air suspended, cloth or vinyl

Seat, air suspension, choice of:

– Vinyl, heated seat with heated controls

– Cloth, heated seat with heated controls

– Cloth, heated and ventilated seat with heated controls

Sound suppression

## **OTHER**

Heater, engine, coolant 120 V/240 V

Starting aid, ether