

PRODUCT SPECIFICATIONS FOR D1

ENGINE

Engine Model	Cat C3.6
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Power - Net	59.7 kW
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Displacement	3.6 l
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Net Power - 2,200 rpm - SAE J1349	59.7 kW
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Net Power - 2,200 rpm - ISO 9249/EEC 80/1269	59.7 kW
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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.
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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.
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ENGINE

Power Train	Hydrostatic
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WEIGHTS

Operating Weight	8099 kg
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WEIGHTS

Operating Weight - LGP	8545 kg
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Note (1)	Specifications shown are for machine equipped with
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dozer blade, EROPS cab, back-up alarm, operator, coolant, lubricants and full fuel tank.

Operating Weight - LGP, 762 mm/30 in 8752 kg

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

CAB

FOPS ISO 3449:2005 Level II

ROPS ISO 3471:2008

TRANSMISSION

Drive Pumps 1

Maximum Travel Speed - Reverse 10 km/h

Relief Valve Settings 48500 kPa

Maximum Travel Speed - Forward 9 km/h

Track Motors 2

UNDERCARRIAGE

Length - Track on Ground - LGP, 762 mm (30 in) 2248 mm

Length - Track on Ground - LGP 2248 mm

Track Gauge - LGP 1725 mm

Shoe Width - LGP, 762 mm (30 in) 762 mm

Track Gauge - LGP, 762 mm (30 in) 1860 mm

Shoe Width - LGP 635 mm

Track Gauge 1495 mm

Shoe Width - Standard 406 mm

Ground Pressure - LGP 28.0 kPa

Ground Pressure - LGP	29.9 kPa
Ground Pressure - LGP, 762 mm (30 in)	25.5 kPa
Number of Shoes - Each Side - Sealed and Lubricated Track (SALT) Undercarriage	43
Number of Rollers - Each Side	6

UNDERCARRIAGE

Length of Track on Ground	2248 mm
Number of Shoes - Each Side - Abrasion Undercarriage	38
Ground Pressure	44.5 kPa

SERVICE REFILL CAPACITIES

Final Drive - Each - LGP	10 l
Cooling System	19 l
Diesel Exhaust Fluid (DEF) Tank	19 l
Transmission - Hydraulic Tank	90 l
Crankcase - With Filter	10.5 l
Fuel Tank	195 l

SERVICE REFILL CAPACITIES

Final Drives - Each Side	10 l
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HYDRAULIC CONTROLS

Pump Output	65 l/min
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Relief Valve Settings

20600 kPa

RIPPER

Type	Parallelogram
Number of Shanks	3
Height	165 mm
Weight	554 kg
Maximum Ground Clearance Under Tip	448 mm
Maximum Digging Depth	337.5 mm
Overall Width	1710 mm
Maximum Reach - Ground Line	766 mm

WINCH

Weight	610 kg
Winch Drive	Hydrostatic
Control	Hydraulic
Speed	Variable
Drum Capacity - Optional Cable	78 m
Maximum Line Speed - Full Drum	63 m/min
Rope Diameter - Optional	19 mm
Maximum Line Pull - Full Drum	11340 kg
Maximum Line Speed - Bare Drum	40 m/min
Rope Diameter - Recommended	16 mm
Drum Width	274 mm
Drum Capacity - Recommended Cable	113 m
Maximum Line Pull - Bare Drum	18144 kg

Drum Diameter	254 mm
Winch Length	705 mm
Throat Clearance	171.5 mm
Overall Width	741 mm

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 CO2 equivalent of 2.574 metric tonnes.
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DIMENSIONS

BLADE: Digging Depth - Intermediate	573 mm
Width - Tractor - Standard Shoes - No Blade - LGP (762 mm/30 in)	2411 mm
BLADE: Blade Capacity (SAE) - LGP	1.99 m ³
BLADE: Blade Lift Height - LGP	730 mm
Length - Basic Tractor - Without Blade - LGP, 762 mm (30 in)	3291 mm
BLADE: Maximum Tilt - LGP	438 mm
BLADE: Blade Width - LGP	3149 mm
Ground Clearance - LGP	332 mm
BLADE: Blade Width at Maximum Angle - LGP	2874 mm
BLADE: Digging Depth - LGP	573 mm
BLADE: Blade Lift Height - Intermediate	743 mm
Track Gauge - LGP	1725 mm
Ground Clearance - LGP, 762 mm (30 in)	332 mm
Width - Tractor - Standard Shoes - No Blade - LGP	2360 mm

BLADE: Blade Height - LGP	860 mm
Overall Length - With Blade - LGP, 762 mm (30 in)	4262 mm
Track Gauge - LGP, 762 mm (30 in)	1860 mm
BLADE: Blade Height - Intermediate	860 mm
BLADE: Blade Cutting Edge Angle, Adjustable - LGP	52° to 58°
Tractor Height - LGP, 762 mm (30 in)	2765 mm
BLADE: Maximum Angle (either side) - LGP	25°
BLADE: Blade Capacity (SAE) - Intermediate	1.5 m ³
Length - Basic Tractor - Without Blade - LGP	3291 mm
BLADE: Blade Cutting Edge Angle, Adjustable - Intermediate	52° to 58°
BLADE: Blade Width at Maximum Angle - Intermediate	2669 mm
BLADE: Maximum Tilt - Intermediate	448 mm
BLADE: Blade Width - Intermediate	2921 mm
BLADE: Maximum Angle (either side) - Intermediate	25°
Tractor Height - LGP	2765 mm
Overall Length - With Blade - LGP	4262 mm
Note	*Abrasion Undercarriage

DIMENSIONS

BLADE: Blade Width at Maximum Angle - Standard	2417 mm
BLADE: Digging Depth - Standard	573 mm
BLADE: Blade Width - Standard	2646 mm
BLADE: Blade Lift Height - Standard	730 mm
Ground Clearance - Standard	332 mm

Ground Clearance - Standard	332 mm
BLADE: Blade Cutting Edge Angle, Adjustable - Standard	52° to 58°
Tractor Height - Standard	2765 mm
Length - Basic Tractor - Without Blade - Standard	3291 mm
BLADE: Maximum Angle (either side) - Standard	25°
BLADE: Maximum Tilt - Standard	368 mm
BLADE: Blade Capacity (SAE) - Standard	1.52 m ³
Track Gauge - Standard	1495 mm
BLADE: Blade Height - Standard	910 mm
Width - Tractor - Standard Shoes - No Blade - Standard	1900 mm
Overall Length - With Blade - Standard	4273 mm

D1 STANDARD EQUIPMENT

POWER TRAIN

Air cleaner with precleaner, automatic dust ejection and underhood 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

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

Six 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

Cat Product Link PLE643/PLE743 Cellular

Slope Indicate

Stable blade

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

D1 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, 406 mm (16 in)
- Track, 635 mm (25 in)
- Track, 762 mm (30 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

Cat Product Link PLE683/PLE783 Cellular/Satellite

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

Power Pitch

ATTACHMENTS

Drawbar, towing

Machine security system

Mounting, winch

Ripper, parallelogram, includes three shanks and teeth

Winch, hydraulic, high performance

Winch, hydraulic, retrieval

OPERATOR ENVIRONMENT

Cab, with air conditioning

Cab, polycarbonate windows and air conditioning

Radio, AM/FM Bluetooth®

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