

# PRODUCT SPECIFICATIONS FOR PL83

US Metric

<b>Engine Model</b>	Cat C15
<b>Flywheel Power</b>	319 HP
<b>Tier 4 Final/Stage V: Net Power (Rated Speed**) - ISO 9249/SAE J1349</b>	319 HP
<b>Tier 4 Final/Stage V: Net Power (Rated Speed**) - ISO 9249/SAE J1349 (DIN)</b>	323 mhp
<b>Tier 3/Stage IIIA Equivalent: Net Power (Rated Speed****) - ISO 9249/SAE J1349</b>	333 mhp
<b>Tier 3/Stage IIIA Equivalent: Net Power (Rated Speed****) - ISO 9249/SAE J1349 (DIN)</b>	329 HP
<b>Emissions</b>	U.S. EPA Tier 4 Final/EU Stage V/Korea Tier 4 Final or UN ECE R96 Stage IIIA equivalent to U.S. EPA Tier 3/EU Stage IIIA
<b>Fuel Tank</b>	109.6 gal (US)
<b>DEF Tank(1)</b>	4.5 gal (US)
<b>Note (2)</b>	**Rated speed 1,900 rpm. Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator. Net power is tested per ISO 9249:2007 and SAE J1349:2011.
<b>Note (4)</b>	****Rated speed 1,850 rpm. Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator. Net power is tested per ISO 9249:2007 and SAE J1349:2011.

<b>Lift Capacity</b>	170000 lb
<b>Operating Weight</b>	109000 lb
<b>Shipping Weight</b>	85880 lb
<b>Removable Counterweight (10 plates) Single Plate</b>	1707.7 lb
<b>Total Removable Counterweight*</b>	17077 lb
<b>Track Gauge</b>	7.7 ft
<b>Length - Track on Ground</b>	12.2 ft
<b>Ground Contact Area</b>	8215 in <sup>2</sup>
<b>Width - Standard Shoes</b>	30 in
<b>Width - Tractor - Standard Shoes</b>	10.7 ft
<b>Width - Tractor - Counterweight Extended</b>	19.9 ft
<b>Width - Tractor - Counterweight Retracted</b>	13.5 ft
<b>Width - Tractor - Counterweight/Boom Removed</b>	12.7 ft
<b>Machine Height - Top of Counterweight</b>	11.2 ft
<b>Height - Machine - Cab and ROPS</b>	11.6 ft

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<b>Boom Height (at SAE 1.22 m [4 ft] Overhang) 6.1 m (20 ft) Boom</b>	22.3 ft
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<b>Boom Height (at SAE 1.22 m [4 ft] Overhang) 7.3 m (24 ft) Boom</b>	26.3 ft
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<b>Boom Height (at SAE 1.22 m [4 ft] Overhang) 8.5 m (28 ft) Boom</b>	30.3 ft
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**Air  
Conditioning**

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 2.5 kg of refrigerant which has a CO2 equivalent of 3.575 metric tonnes.

## **PL83 STANDARD EQUIPMENT**

### **NOTE**

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

### **POWER TRAIN**

Cat C15 diesel engine: Electronic Unit Injection (EUI) Aftertreatment Meets Tier 4 Final/Stage V or Tier

3/Stage IIIA equivalent emission standards, depending on region of sale

24V electric start

Aftercooler, air-to-air (ATAAC)

Coolant, extended life with protection to -37 C (-34 F)

Filter, air with electronic service indicator

Final drives: Four double reduction planetary

Fuel priming pump, electric

High performance single plane cooling system

Parking brake, electronic

Precleaner, strata-tube dust ejector

Prescreener

Starting aid, ether

Torque divider

Transmission, electronically controlled 3-speed Powershift

Turbocharger, wastegate

Water separator

Zero speed hydraulic fan, reversing and hydraulically driven, electronically controlled

## **OPERATOR ENVIRONMENT**

Rear Vision Camera

Load Moment Indicator (LMI)

Advisor operator interface: Electronic monitoring system, Diagnostic service information, Operator preferences

Armrest, adjustable

Deactivation switch, hydraulic controls

Decelerator pedal

Differential steering control, with touch shift

Dual brake pedal

Heater and ventilation

ROPS

Seat belt, retractable

Storage compartment

## **PIPELAYING EQUIPMENT**

Block and hook with latch

Counterweights, extendible segmented

Winches, hydraulic actuated and electronically controlled

## **UNDERCARRIAGE**

Carrier roller

Hydraulic track adjusters

Master links, two piece

Medium service grouser 760 mm (30 in): Sealed and lubricated track (48 section)

Non-suspended undercarriage

Rollers and idlers, lifetime lubricated

Sprocket rim segments, replaceable

Track guiding guards

Track roller frames

## **ELECTRICAL**

Alarm, backup

Batteries, four maintenance free heavy duty

Boom and counterweight limit switch

Converter, 12V, 10 amp with one outlet

Horn, forward warning

Lights, two front, two rear

Machine diagnostic connector

Machine disconnect switch

Starting receptacle

## **OTHER STANDARD EQUIPMENT**

Bottom guards, hinged

Bumper, front with towing device

Drawbar, heavy duty

Ecology drains: Engine oil, Coolant, Hydraulic oil, Torque converter, Fuel tank, Power train case and transmission

Enclosures, perforated engine

Guard, hinged radiator

Hood, perforated

Hydraulic system, electronically activated for hook, boom and counterweight control

Hydraulics, independent steering and work tool pumps

Oil cooler, hydraulic

Product Link ready

S-O-S sampling ports

Steering, electronically controlled power differential

Vandalism protection for fluid compartments

ROPS



## **PL83 OPTIONAL EQUIPMENT**

### **NOTE**

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

### **OPERATOR ENVIRONMENT**

Cab with air conditioning, heat and 150 amp alternator

OROPS with heat and 150 amp alternator

Cloth air seat

Deluxe seat

Vinyl seat

Heated seat

### **UNDERCARRIAGE**

Arctic rollers

Standard rollers

### **TECHNOLOGY PRODUCTS**

Product Link

### **PIPELAYING EQUIPMENT**

Boom and cables 6.1 m (20 ft)

Boom and cables 7.3 m (24 ft)

Boom and cables 8.5 m (28 ft)

### **OTHER OPTIONAL EQUIPMENT**

CE Certification

ROPS

