

PRODUCT SPECIFICATIONS FOR PL83



ENGINE

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| Engine Model | Cat C15 |
| Flywheel Power | 238 kW |
| Tier 4 Final/Stage V: Net Power (Rated Speed**) - ISO 9249/SAE J1349 | 238 kW |
| Tier 4 Final/Stage V: Net Power (Rated Speed**) - ISO 9249/SAE J1349 (DIN) | 323 mhp |
| Tier 3/Stage IIIA Equivalent: Net Power (Rated Speed****) - ISO 9249/SAE J1349 | 245 kW |
| Tier 3/Stage IIIA Equivalent: Net Power (Rated Speed****) - ISO 9249/SAE J1349 (DIN) | 333 mhp |
| Emissions | 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 |
| Fuel Tank | 415 l |
| DEF Tank(1) | 17 l |
| Note (2) | **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. |
| Note (4) | ****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. |

PIPELAYING EQUIPMENT

Lift Capacity

77111 kg

WEIGHTS

Operating Weight

49442 kg

Shipping Weight

38955 kg

COMPONENTS

Removable Counterweight (10 plates) Single Plate

774.6 kg

Total Removable Counterweight*

7746 kg

UNDERCARRIAGE

Track Gauge

2.34 m

Length - Track on Ground

3.72 m

Ground Contact Area

5.3 m²

Width - Standard Shoes

710 mm

DIMENSIONS

Width - Tractor - Standard Shoes

3.25 m

DIMENSIONS (APPROXIMATE)

Width - Tractor - Counterweight Extended

6.07 m

Width - Tractor - Counterweight Retracted

4.11 m

Width - Tractor - Counterweight/Boom Removed

3.86 m

Machine Height - Top of Counterweight

3.4 m

Height - Machine - Cab and ROPS

3.53 m

Boom Height (at SAE 1.22 m [4 ft] Overhang) 6.1 m (20 ft) Boom

6.78 m

Boom Height (at SAE 1.22 m [4 ft] Overhang) 7.3 m (24 ft) Boom

8.02 m

Boom Height (at SAE 1.22 m [4 ft] Overhang) 8.5 m (28 ft) Boom

9.25 m

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 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
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