



Cat[®] PL72

Pipelayer

Performance

- Cat[®] C9.3 engine meets U.S. EPA Tier 4 Final/EU Stage V emission standards or Tier 3/Stage IIIA equivalent emission standards, depending on region of sale.
- Integrated power train with differential steering and updated hydraulic system work together to provide power and improved machine maneuverability for any pipelayer application.
- Electro-hydraulics offer greater response and precise control to variable speed motors of the heavy duty winches for greater machine productivity.

Efficiency

- Efficient use of Diesel Exhaust Fluid (DEF) improves overall fluid and fuel efficiency.
- Differential steering maintains full power to both tracks for best-in-class turning even with a loaded boom, increasing maneuverability in tight locations.
- Improved machine center of gravity for better slope capabilities.

Serviceability

- Equipped with Product Link[™] which enables remote monitoring, improving overall fleet management effectiveness.
- LCD monitoring display with onboard diagnostics.
- Full left-side engine serviceability, including fill tube, dipstick, air cleaner, fuel filters, oil filter and coolant level check allows for quick and efficient routine service.
- High speed oil change is standard and makes servicing even faster.
- Hydraulic and power train filters and fuel tank drain are located at rear of machine and are conveniently serviceable from ground level.
- Pressure taps are placed within hydraulic system to allow for quick monitoring.
- Major components like the engine, transmission, and final drives are modular for quicker removal during service, saving cost and downtime.

Ease of Operation

- Implement joystick places all Pipelayer implement controls and functionality in one hand.
- Low-effort, ergonomically designed and positioned control handle allows simultaneous, precise positioning of load line, boom, and extendible counterweight.
- Dual brake pedal controls provide enhanced maneuverability and steering control.
- Planetary differential steering contributes to superior maneuverability in tight areas of operation as well as enhanced slope capability.

Comfort

- Quieter, pressurized cab with heated/ventilated seat option improves operator comfort and productivity.
- Ergonomically designed seat is positioned for greater visibility to work area and convenient access to machine control lever, switches and pedals.

Safety

- Load Moment Indicator (LMI) standard from the factory to enhance safety.
- Convenient steps, handles and guardrail provide safe access/egress.
- Enlarged roof top window with retractable shade, additional mirrors, and angled door improves visibility to the trench, boom and blocks.
- Standard operator presence detection system allows machine to idle when operator is not seated, but locks out power train to avoid unintentional movement.
- Optional rear vision camera available to further enhance visibility around machine.

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Engine

Engine Model	Cat® C9.3	
Emissions	Tier 4 Final/Stage V or Tier 3/Stage IIIA equivalent	
Net Power (Rated) – 1,900 rpm		
ISO 9249/SAE J1349	158 kW	211 hp
ISO 9249/SAE J1349 (DIN)	214 mhp	
Bore	115 mm	4.5 in
Stroke	149 mm	5.9 in
Displacement	9.3 L	567.5 in ³

- 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.
- No derating required up to 3566 m (11,700 ft) altitude, beyond 3566 m (11,700 ft) automatic derating occurs.
- All nonroad Tier 4 Interim and Final, Stage IIIB, IV and V, Japan 2014 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. Biodiesel blends up to B20 (20% blend by volume) are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD. B20 should meet ASTM D7467 specification (biodiesel blend stock should meet Cat biodiesel spec, ASTM D6751 or EN 14214). Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4 and ACEA E9 specification are required. Consult your OMM for further machine specific fuel recommendations.
- Diesel Exhaust Fluid (DEF) used in Cat Selective Catalytic Reduction (SCR) systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241.
- 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.

Weights

Operating Weight	31 278 kg	68,945 lb
Shipping Weight	27 145 kg	59, 846 lb
Lift Capacity	40 823 kg	90,000 lb

Undercarriage

Shoe Width	760 mm	30 in
Shoes/Side	45	
Grouser Height	65 mm	2.6 in
Pitch	203 mm	8.0 in
Ground Clearance	372 mm	14.6 in
Track Gauge	2286 mm	90 in
Track on Ground	3270 mm	10 ft 9 in
Ground Contact Area (ISO 16754)	5.42 m ²	8406 in ²
Ground Pressure (ISO 16754)	56.6 kPa	8.2 psi
Carrier Rollers/Side	1	
Track Rollers/Side	8	

Service Capacities

Cooling System	51.0 L	13.4 gal
Fuel Tank	415 L	109.6 gal
Engine Crankcase and Filter	24.6 L	6.5 gal
Diesel Exhaust Fluid (DEF)*	17.1 L	4.5 gal
Power Train Oil System	148.0 L	39.1 gal
Hydraulic Tank Oil	100 L	26.4 gal
Final Drives (each side)	13.5 L	3.6 gal
Winch Case (boom)	5.7 L	1.5 gal

*When equipped.

Dimensions

Width of Tractor (counterweight/boom removed)	3.62 m	11 ft 11 in
Width of Tractor (counterweight retracted)	3.67 m	12 ft 1 in
Width of Tractor (counterweight extended)	5.38 m	17 ft 8 in
Machine Height (top of counterweight)	2.60 m	8 ft 6 in
Length of Track on Ground	3.71 m	12 ft 2 in
Operating Length	4.78 m	15 ft 8 in
Height of Machine (cab and ROPS)	3.43 m	11 ft 3 in
Boom Height* – 6.1 m (20 ft) boom	6.78 m	22 ft 3 in
Boom Height* – 7.3 m (24 ft) boom	8.01 m	26 ft 4 in

*SAE 1.22 m (4 ft) overhang.

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