



Cat[®] PL61

Pipelayer

The PL61 is part of a full line of purpose-built Cat[®] pipe layers designed for performance, safety and serviceability. Easy transport width, combined with the experienced support of the Cat dealer network, means this key pipe line equipment is available when and where you need it.

Performance

- 18 ton (40,000 lb) lift capacity with side boom.
- Easy transport width at 3240 mm (128 in).
- More robust fuel system with advanced filtration to better withstand poor fuel conditions (engines equivalent to Tier 3/Stage IIIA).
- Cold weather package provides added features for cab comfort and more reliable engine starting/performance in cold environments.
- Meets U.S. EPA Tier 4 Final/EU Stage IV emission standards, or emits equivalent to Tier 3 and Stage IIIA, depending on region of sale.

Ease of Operation

- Hystat transmission, faster steering response for superior maneuverability on the pipeline.
- Choice of narrow or wide tracks to optimize for job site ground conditions.
- Durability in rough terrain with Heavy Duty undercarriage.
- Ergonomically designed right joystick places all boom, hook and counterweight function conveniently in one hand.
- Comfortable cab with air suspension seat, ergonomic controls and excellent visibility.
- Improved heating/ventilation/air conditioning system:
 - Better circulates heat around the operator using a canopy machine in cold weather.
 - More operator comfort with better cooling in air conditioned cab.

Serviceability

- Worldwide Cat dealer network understands pipeline job site needs for outstanding support, even in remote areas.
- Purpose-built pipelayer gives you a single source for parts and service on all components.
- Easy access to grouped maintenance and diagnostic points.
- Simplified cable replacement – no need to thread through hood.
- Updated cooling package allows more air flow, reducing fan speed for greater efficiency.
- Hydraulic demand fan automatically reduces fan speed in cooler conditions to help save fuel.
- Hydraulic reversing fan offers automatic or manual modes – changes direction to blow debris out of the radiator cores.
- Equipped with Product Link[™] which enables remote monitoring, improving overall fleet management effectiveness.

Safety

- Rear vision camera, with dedicated display, adds to visibility for greater safety.
- Load Monitor Indicator (LMI) delivered with the machine for simple installation of load monitor system on the job site.
- Quick drop release function now common with other Cat pipelayer models for added ease of use.
- Rear window exit now common across Cat pipelayer product line.
- Factory integrated Roll Over Protective Structure (ROPS) helps protect operators and machine in case of rollover.

Cat® PL61 Pipelayer

| Engine | | |
|---|---|--------|
| Engine Model | Cat C4.4 | |
| Emissions | U.S. EPA Tier 4 Final/ EU Stage IV/Korea Tier 4 Final | |
| Engine Model | Cat C7.1 | |
| Emissions | China Nonroad Stage III, equivalent to Tier 3/Stage IIIA | |
| Engine Power – 2,000 rpm | | |
| SAE J1995 | 119 kW | 160 hp |
| ISO 14396 | 117 kW | 157 hp |
| ISO 14396 (DIN) | 159 mhp | |
| Net Power – 2,200 rpm | | |
| SAE J1349 | 95 kW | 128 hp |
| ISO 9249 | 97 kW | 130 hp |
| ISO 9249 (DIN) | 132 mhp | |
| Fuel Tank | 260 L | 69 gal |
| DEF Tank ¹ | 19 L | 5 gal |
| <ul style="list-style-type: none"> • 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. • Engine power is tested per ISO 14396:2002 • All nonroad Tier 4 Final, Stage IV and Korea Tier 4 Final diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) with 15 ppm (mg/kg) of sulfur or less, or up to B20 biodiesel blended with 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. | | |

| Weights | | | | |
|--|------------------|-----------|-----------------|-----------|
| | Operating Weight | | Shipping Weight | |
| Cab, 560 mm (22 in) Shoes ¹ | 18 090 kg | 39,890 lb | 17 040 kg | 37,570 lb |
| Cab, 760 mm (30 in) Shoes ¹ | 18 560 kg | 40,920 lb | 17 510 kg | 38,600 lb |
| Cab, 560 mm (22 in) Shoes | 18 170 kg | 40,060 lb | 17 110 kg | 37,720 lb |
| Cab, 760 mm (30 in) Shoes | 18 640 kg | 41,095 lb | 17 590 kg | 38,780 lb |

| Undercarriage | | |
|---------------------------------------|---------------------|-----------------------|
| Number of Shoes/Rollers – Each Side | 40/8 | |
| Track Gauge | 2000 mm | 79 in |
| Track on Ground | 2645 mm | 104 in |
| Track Shoe Width – Narrow/LGP | 560/760 mm | 22/30 in |
| Ground Contact Area – Narrow | 3.29 m ² | 5,100 in ² |
| Ground Contact Area – LGP | 4.46 m ² | 6,920 in ² |
| Ground Pressure ¹ – Narrow | 53.9 kPa | 7.8 psi |
| Ground Pressure ¹ – LGP | 40.8 kPa | 5.9 psi |
| Ground Pressure – Narrow | 54.0 kPa | 7.9 psi |
| Ground Pressure – LGP | 40.9 kPa | 6.3 psi |

| Dimensions | | |
|---|---------|--------|
| Track Gauge | 2000 mm | 79 in |
| Width of Tractor (560 mm [22 in] shoes) | 2560 mm | 101 in |
| Width of Tractor (760 mm [30 in] shoes) | 2760 mm | 109 in |
| Width of Tractor Counterweight/ Boom Removed | 3190 mm | 126 in |
| Width of Tractor (counterweight retracted) | 3240 mm | 128 in |
| Width of Counterweight Extended | 4750 mm | 187 in |
| Machine Height (tip of winch) | 2570 mm | 101 in |
| Length of Track on Ground | 2645 mm | 104 in |
| Operating Length | 3850 mm | 151 in |
| Height of Machine from Tip of Grouser to Top of Stack ¹ | 2850 mm | 112 in |
| Height to the Top of the ROPS Canopy/Cab | 2985 mm | 118 in |
| Boom Height (at SAE 1.22 m [4 ft] overhang) | 6220 mm | 245 in |

| Air Conditioning System | |
|---|--|
| The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.3 kg of refrigerant which has a CO ₂ equivalent of 1.859 metric tons. | |

¹ Machines equipped with Tier 4 Final/Stage IV emissions reduction technology.

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