



# Cat<sup>®</sup> PL61

## Pipelayer

*The PL61 is part of a full line of purpose-built Cat<sup>®</sup> 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<sup>™</sup> 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		
<b>Engine Model</b>	<b>Cat C4.4 ACERT™</b>	
<b>Emissions</b>	<b>U.S. EPA Tier 4 Final/ EU Stage IV/Korea Tier 4 Final</b>	
<b>Engine Model</b>	<b>Cat C7.1 ACERT</b>	
<b>Emissions</b>	<b>China Nonroad Stage III, equivalent to Tier 3/Stage IIIA</b>	
Engine Power – 2,000 rpm		
SAE J1995	119 kW	160 hp
ISO 14396	117 kW	157 hp
ISO 14396 (DIN)	159 hp	
Net Power – 2,200 rpm		
SAE J1349	95 kW	128 hp
ISO 9249	97 kW	130 hp
ISO 9249 (DIN)	132 hp	
Fuel Tank	260 L	69 gal
DEF Tank <sup>1</sup>	19 L	5 gal
<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> </ul>		

	Weights			
	Operating Weight		Shipping Weight	
Cab, 560 mm (22 in) Shoes <sup>1</sup>	18 090 kg	39,890 lb	17 040 kg	37,570 lb
Cab, 760 mm (30 in) Shoes <sup>1</sup>	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 <sup>2</sup>	5,100 in <sup>2</sup>
Ground Contact Area – LGP	4.46 m <sup>2</sup>	6,920 in <sup>2</sup>
Ground Pressure <sup>1</sup> – Narrow	53.9 kPa	7.8 psi
Ground Pressure <sup>1</sup> – 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 <sup>1</sup>	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<sub>2</sub> equivalent of 1.859 metric tons.

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

