

KOMATSU®

PC228USLC-10

Tier 4 Interim Engine

PC228USLC

NET HORSEPOWER

158 HP @ 2000 rpm

116 kW @ 2000 rpm

OPERATING WEIGHT

55,336–54,123 lb

24550–25100 kg

BUCKET CAPACITY

0.66–1.57 yd³

0.50–1.20 m³



PHOTOS MAY INCLUDE OPTIONAL EQUIPMENT



PC228USLC

WALK-AROUND

PC228USLC-10



Photos may include optional equipment

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CONVENTIONAL PERFORMANCE IN A TIGHT TAIL BODY

Rounded cab profile allows the cab to swing within the same swing radius as the counterweight for true tight tail performance.

New engine and hydraulic pump control technology improves operational efficiency and lowers fuel consumption by up to 4%.

A powerful Komatsu SAA6D107E-2 engine provides a net output of 116 kW **158 HP**. This engine is EPA Tier 4 Interim and EU stage 3B emissions certified.

Komatsu Variable Geometry Turbocharger (KVGT) uses a hydraulic actuator to provide proper air flow under all speed and load conditions.

Komatsu Diesel Particulate Filter (KDPF) captures 90% of particulate matter and provides automatic regeneration that does not interfere with daily operation.

Komatsu's Closed Center Load Sensing (CLSS) hydraulic system provides quick response and smooth operation to maximize productivity.

Enhanced working modes are designed to match engine speed, pump delivery, and system pressure to the application.

Large LCD color monitor panel:

- 7" high resolution screen
- Provides "Eco-Guidance" for fuel efficient operation
- Enhanced attachment control
- Aux jack and (2) 12V outlets

Rearview monitoring system (standard)

Equipment Management Monitoring System (EMMS)

continuously monitors machine operation and vital systems to identify machine issues and assist with troubleshooting.

Enhanced working environment

- High back, heated, and air suspension operator seat
- Integrated ROPS cab design (ISO 12117-2)
- Cab meets ISO Level 1 Operator Protective Guard (OPG) top guard (ISO 10262)



Wide access service doors

provide easy access for ground level maintenance.

Guardrails (standard) provide convenient access to the upper structure.

Battery disconnect switch

allows a technician to disconnect the power supply before servicing the machine.

Komatsu designed and manufactured components

Side by side cooler design

provides easy access to service and clean the cooler assembly.

KOMTRAX®

Komtrax equipped machines can send location, SMR and operation maps to a secure website utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel levels, and much more.



ENGINE

Model..... Komatsu SAA6D107E-2*
 Type..... Water-cooled, 4-cycle, direct injection
 Aspiration..... Turbocharged, air-to-air aftercooled
 Number of cylinders..... 6
 Bore..... 107 mm **4.21"**
 Stroke..... 124 mm **4.88"**
 Piston displacement..... 6.69 ltr **408 in³**
 Horsepower:
 SAE J1995.....Gross 123 kW **165 HP**
 ISO 9249 / SAE J1349.....Net 116 kW **158 HP**
 Rated rpm..... 2000
 Governor..... All-speed control, electronic
 Lubrication system:
 Method.....Gear pump, force-lubrication
 Filter..... Full-flow
 Air cleaner..... Air cleaner, double element
 and auto dust evacuator

*EPA Tier 4 Interim and EU stage 3B emissions certified



HYDRAULICS

Type..... HydraulMind (Hydraulic Mechanical Intelligence) system, closed-center system with load sensing valve and pressure compensated valve
 Main pump:
 Type.....Variable capacity piston type
 Pumps for.....Boom, arm, bucket, swing, and travel circuits
 Maximum flow..... 475 ltr/min **125.5 gal/min**
 Hydraulic motors:
 Travel..... 2 x piston motor with parking brake
 Swing..... 1 x axial piston motor with swing holding brake
 Relief valve setting:
 Travel..... 37.7 MPa 380 kgf/cm² **5,400 psi**
 Pilot circuit..... 3.2 MPa 33 kgf/cm² **470 psi**
 Implement circuits..... 37.3 MPa 380 kgf/cm² **5,400 psi**
 Swing circuit..... 29.4 MPa 299 kgf/cm² **4,264 psi**
 Hydraulic cylinders:
 (Number of cylinders – bore x stroke x rod diameter)
 Boom . 2–120 mm x 1385 mm x 85 mm **4.7" x 54.5" x 3.3"**
 Arm 1–135 mm x 1490 mm x 95 mm **5.3" x 58.7" x 3.7"**
 Bucket.. 1–115 mm x 1120 mm x 80 mm **4.5" x 44.1" x 3.2"**



DRIVES AND BRAKES

Steering control..... Two levers with pedals
 Drive method..... Fully hydrostatic
 Maximum drawbar pull..... 202 kN 20600 kgf **45,410 lbf**
 Maximum travel speed: High..... 5.5 km/h **3.4 mph**
 Medium..... 4.1 km/h **2.5 mph**
 Low..... 3.0 km/h **1.9 mph**
 Service brake..... Hydraulic lock
 Parking brake..... Mechanical disc



SWING SYSTEM

Driven by..... Hydraulic motor
 Swing reduction..... Planetary gear
 Swing circle lubrication..... Grease-bathed
 Swing lock..... Mechanical disc brake
 Swing speed..... 11.0 rpm
 Swing torque..... 6656 kg•m **48,124 ft lbs**



UNDERCARRIAGE

Center frame..... X-frame leg
 Track frame..... Box-section
 Track type..... Sealed
 Track adjuster..... Hydraulic
 Number of shoes (each side)..... 49
 Number of carrier rollers (each side)..... 2
 Number of track rollers (each side)..... 9



COOLANT & LUBRICANT CAPACITY (REFILLING)

Fuel tank..... 310 ltr **82 U.S. gal**
 Radiator..... 30 ltr **7.9 U.S. gal**
 Engine..... 23.1 ltr **6.1 U.S. gal**
 Final drive, each side..... 5.0 ltr **1.4 U.S. gal**
 Swing drive..... 6.5 ltr **1.7 U.S. gal**
 Hydraulic tank..... 126 ltr **33.3 U.S. gal**



OPERATING WEIGHT (APPROXIMATE)

Operating weight including 5700 mm **18'8"** one-piece boom, 2925 mm **9'7"** arm, SAE heaped 0.80 m³ **1.05 yd³** backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

Triple-Grouser Shoes	Operating Weight	Ground Pressure
600 mm	24130 kg	0.51 kg/cm ²
24"	53,195 lb	7.28 psi
700 mm	24395 kg	0.44 kg/cm ²
28"	53,785 lb	6.21 psi
800 mm	24675 kg	0.39 kg/cm ²
31.5"	54,405 lb	5.62 psi



WORKING FORCES

	Arm Length	2925 mm 9'7"
ISO rating	Bucket digging force	149 kN
	at power max	15200 kgf / 33,500 lb
ISO rating	Arm crowd force	108 kN
	at power max	11000 kgf / 24,250 lb
SAE rating	Bucket digging force	138 kN
	at power max	14100 kgf / 31,085 lb
SAE rating	Arm crowd force	101 kN
	at power max	10300 kgf / 22,710 lb



Note: All comparisons and claims of improved performance made herein are made with respect to the prior Komatsu model unless otherwise specifically stated.