

# KOMATSU®

## PC170LC-10

Tier 4 Interim Engine

# PC170LC

### NET HORSEPOWER

115 HP @ 2100 rpm  
86 kW @ 2100 rpm

### OPERATING WEIGHT

38,100–41,600 lb  
17280–18860 kg

### BUCKET CAPACITY

0.48–1.24 yd<sup>3</sup>  
0.37–0.95 m<sup>3</sup>



PHOTOS MAY INCLUDE OPTIONAL EQUIPMENT

PC170LC

# WALK-AROUND

PC170LC-G-10



Photos may include optional equipment

# PC170LC-10

## Tier 4 Interim Engine

### NET HORSEPOWER

115 HP @ 2100 rpm  
85 kW @ 2100 rpm

### OPERATING WEIGHT

38,100–41,600 lb  
17280–18860 kg

### BUCKET CAPACITY

0.48–1.24 yd<sup>3</sup>  
0.37–0.95 m<sup>3</sup>



## POWER, CONTROL AND MORE LIFT CAPACITY

**Two counterweight options** provide improved lifting performance as well as versatility to meet transportation requirements.

**New engine and hydraulic pump control technology** improves operational efficiency and lowers fuel consumption by up to 10%.

**A powerful Komatsu SAA4D107E-2 engine** provides a net output of 86 kW **115 HP**. This engine is EPA Tier 4 Interim and EU stage 3B emissions certified.

**Komatsu Diesel Oxidation Catalyst (KDOC)** reduces particulate matter using 100% passive regeneration. No DPF is required.

**Komatsu Variable Flow Turbocharger** provides optimum air flow under all speed and load conditions.

**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 airsuspension operator seat
- Integrated ROPS cab design (ISO 12117-2)
- Cab meets ISO Level 1 Operator Protective Guard (OPG) top guard (ISO 10262)

### The standard counterweight

increases lifting performance up to 5%, while an optional heavier counterweight provides up to 15% more lift capacity when compared to the previous series.



### 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

**Swing out 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 SAA4D107E-2\*  
 Type.....Water-cooled, 4-cycle, direct injection  
 Aspiration..... Turbocharged, air-to-air aftercooled  
 Number of cylinders..... 4  
 Bore..... 107 mm **4.21"**  
 Stroke.....124 mm **4.88"**  
 Piston displacement.....4.46 ltr **272 in<sup>3</sup>**  
 Horsepower:  
 SAE J1995.....Gross 90 kW **121 HP**  
 ISO 9249 / SAE J1349..... Net 86 kW **115 HP**  
 Rated rpm..... 2100  
 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.....HydrauMind (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..... 298 ltr/min **79 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:  
 Implement circuits..... 37.3 MPa 380 kgf/cm<sup>2</sup> **5,450 psi**  
 Swing circuit..... 28.9 MPa 295 kgf/cm<sup>2</sup> **4,195 psi**  
 Pilot circuit..... 3.2 MPa 33 kgf/cm<sup>2</sup> **470 psi**  
 Hydraulic cylinders:  
 (Number of cylinders – bore x stroke x rod diameter)  
 Boom .. 2–110 mm x 1175 mm x 75 mm **4.3" x 46.3" x 3.0"**  
 Arm ..... 1–120 mm x 1342 mm x 85 mm **4.7" x 52.8" x 3.3"**  
 Bucket.. 1–105 mm x 1027 mm x 70 mm **4.1" x 40.4" x 2.8"**



## DRIVES AND BRAKES

Steering control.....Two levers with pedals  
 Drive method.....Fully hydrostatic  
 Maximum drawbar pull..... 156 kN 15950 kgf **35,164 lbf**  
 Maximum travel speed: High..... 5.5 km/h **3.4 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..... 12.0 rpm  
 Swing torque..... 4331 kg•m **31,314 ft lbs**



## UNDERCARRIAGE

Center frame..... X-frame leg  
 Track frame.....Box-section  
 Track type..... Sealed  
 Track adjuster.....Hydraulic  
 Number of shoes (each side)..... 44  
 Number of carrier rollers (each side)..... 2  
 Number of track rollers (each side)..... 7



## COOLANT & LUBRICANT CAPACITY (REFILLING)

Fuel tank..... 300 ltr **79.25 U.S. gal**  
 Radiator..... 23.5 ltr **4.9 U.S. gal**  
 Engine..... 18 ltr **4.8 U.S. gal**  
 Final drive, each side..... 5.4 ltr **1.43 U.S. gal**  
 Swing drive..... 4.5 ltr **1.2 U.S. gal**  
 Hydraulic tank..... 121 ltr **32.0 U.S. gal**



## OPERATING WEIGHT (APPROXIMATE)

Operating weight including 5150 mm **16'11"** one-piece boom, 2610 mm **8'7"** arm, SAE heaped 0.65 m<sup>3</sup> **0.85 yd<sup>3</sup>** bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Triple-Grouser Shoes	Operating Weight	Ground Pressure
600 mm <b>24"</b>	17500 kg <b>38,600 lb</b>	41.2 kPa / 0.42 kg/cm <sup>2</sup> <b>5.98 psi</b>
700 mm <b>28"</b>	17739 kg <b>39,104 lb</b>	36.2 kPa / 0.37 kg/cm <sup>2</sup> <b>5.06 psi</b>



## WORKING FORCES

	Arm Length	2610 mm 8'7"	2900 mm 9'6"
ISO rating	Bucket digging force	123 kN 12500 kgf / <b>27,560 lb</b>	123 kN 12500 kgf / <b>27,560 lb</b>
	Arm crowd force	86.3 kN 8800 kgf / <b>19,400 lb</b>	79.4 kN 8100 kgf / <b>17,860 lb</b>
SAE rating	Bucket digging force	109 kN 11100 kgf / <b>24,470 lb</b>	109 kN 11100 kgf / <b>24,470 lb</b>
	Arm crowd force	83.4 kN 8500 kgf / <b>18,740 lb</b>	77.5 kN 7900 kgf / <b>17,420 lb</b>