

# KOMATSU

## PC210LCi-11

EU Stage IV Engine

**intelligent**  
MACHINE CONTROL

HYDRAULIC EXCAVATOR

PRELIMINARY



PC210LCi

**ENGINE POWER**

123 kW / 165 HP @ 2.000 rpm

**OPERATING WEIGHT**

22.120 - 23.580 kg

**BUCKET CAPACITY**

max. 1,68 m<sup>3</sup>

# Walk-Around

## All the features and benefits of PC210LC-11... plus intelligent Machine Control

### **Powerful and Environmentally Friendly**

- NEW** • EU Stage IV engine
- NEW** • Increased lift capacity
- NEW** • Improved combined operation
- NEW** • Improved fine control / grading performance
- NEW** • Lever operated offset function
- NEW** • Lever switch operation of manual / semi-auto function

### **First-Class Comfort**

- NEW** • Fully air-suspended operator station
- NEW** • Low noise design: class-leading 67 dB(A)
- NEW** • Widescreen monitor with evolutionary interface
- Low vibration levels
- Improved operator convenience



Image shows PC210LC-11 and may display optional equipment or specifications not available in your area.

PC210LC-11

### Komatsu Auto Tilt Bucket

- NEW** • Komatsu / Lehnhoff design bucket
- NEW** • Komatsu MS stroke measuring cylinders
- NEW** • Real time tilt positioning in semi-auto mode
- NEW** • Auto stop during tilt to prevent over-digging
- NEW** • Fine adjust of tilt flow and speed

### Safety First

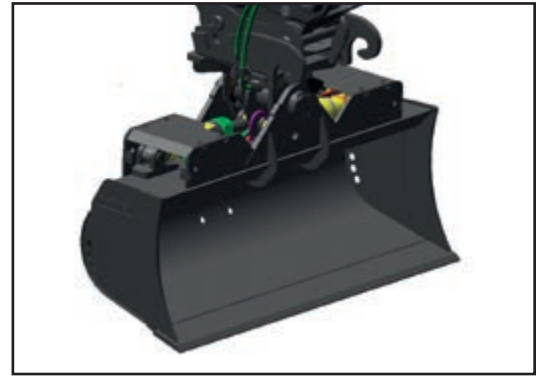
- NEW** • Komatsu SpaceCab™ (FOPS optional)
- NEW** • Improved monitoring system
- NEW** • Neutral position detection system
- Safe access, easy maintenance
- Falling Object Protection System (FOPS) optional

### Quality You Can Rely On

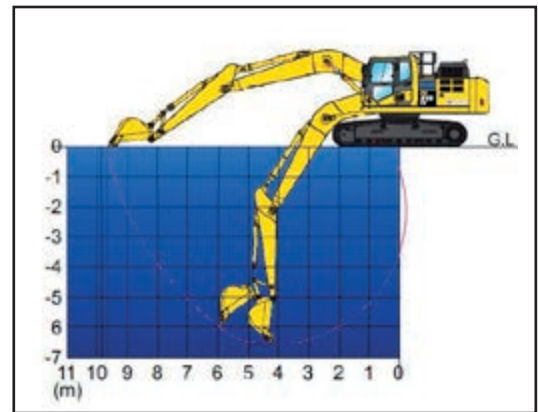
- Komatsu-quality components
- Extensive dealer support network
- Reliable and efficient
- Rugged design

### KOMTRAX™

- NEW** • Komatsu Wireless Monitoring System
- NEW** • 3G mobile communications
- NEW** • Integrated communication antenna
- NEW** • Increased operational data and fuel savings
- NEW** • Machine control working data



New Komatsu auto tilt bucket developed for use with PC210LCi-11. Using unique stroke sensing cylinder technology for tilt angle control. Based around Lehnhoff HG-S design, with compact, round profile for high fill values with easy discharge of material.




Underwater digging: water resistant components (rating IP69), allow semi auto working to maximum digging depth. Perfect for dredging rivers, canals and dykes to a specific depth.



Adjustable pre-set flow options for smooth precise tilt operation. HCU A hydraulic circuit is used for tilt function.



Right hand lever trigger switch for semi-auto function. Design offset +/- using lever button



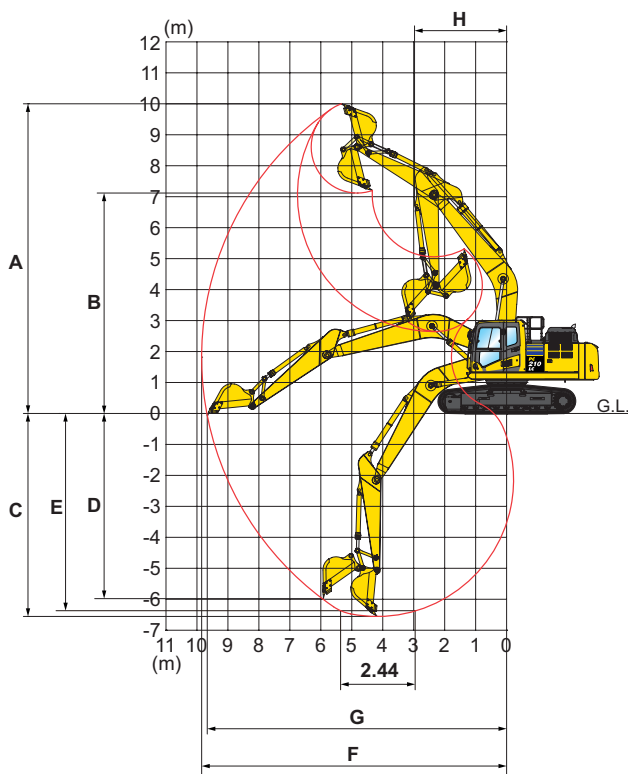
Complimentary maintenance program for customers



## ENGINE

|                             |   |
|-----------------------------|---|
| Model                       | Komatsu SAA6D107E-3   |
| Type                        | Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel |
| Engine power                |   |
| at rated engine speed       | 2.000 rpm   |
| ISO 14396                   | 123 kW/165 HP   |
| ISO 9249 (net engine power) | 118 kW/158 HP   |
| No. of cylinders            | 6   |
| Bore × stroke               | 107 × 124 mm  |
| Displacement                | 6,69 l  |

## WORKING RANGE



## HYDRAULIC SYSTEM

|                       |   |
|-----------------------|---|
| Type                  | HydraMind. Closed-centre system with load sensing and pressure compensation valves          |
| Additional circuits   | 2 additional circuits with proportional control can be installed                            |
| Main pump             | 2 variable displacement piston pumps supplying boom, arm, bucket, swing and travel circuits |
| Maximum pump flow     | 475 l/min   |
| Relief valve settings |   |
| Implement             | 380 kg/cm <sup>2</sup>  |
| Travel                | 380 kg/cm <sup>2</sup>  |
| Swing                 | 295 kg/cm <sup>2</sup>  |
| Pilot circuit         | 33 kg/cm <sup>2</sup>   |

## UNDERCARRIAGE

|                             |  |
|-----------------------------|--|
| Construction                | X-frame centre section with box section track frames |
| Track assembly              |  |
| Type                        | Fully sealed   |
| Shoes (each side)           | 45 (PC210), 49 (PC210LC)                             |
| Tension                     | Combined spring and hydraulic unit                   |
| Rollers                     |  |
| Track rollers (each side)   | 9  |
| Carrier rollers (each side) | 2  |

## ENVIRONMENT

|                                   |   |
|-----------------------------------|---|
| Engine emissions                  | Fully complies with EU Stage IV exhaust emission regulations    |
| Noise levels                      |   |
| LwA external                      | 100 dB(A) (2000/14/EC Stage II)                                 |
| LpA operator ear                  | 67 dB(A) (ISO 6396 dynamic test)                                |
| Vibration levels (EN 12096:1997)* |   |
| Hand/arm                          | ≤ 2,5 m/s <sup>2</sup> (uncertainty K = 0,49 m/s <sup>2</sup> ) |
| Body                              | ≤ 0,5 m/s <sup>2</sup> (uncertainty K = 0,24 m/s <sup>2</sup> ) |

\* For the purpose of risk assessment under directive 2002/44/EC, please refer to ISO/TR 25398:2006.

## ARM LENGTH

2,9 m

|   |  |           |
|---|--|-----------|
| A | Max. digging height                        | 10.000 mm |
| B | Max. dumping height                        | 7.110 mm  |
| C | Max. digging depth                         | 6.620 mm  |
| D | Max. vertical wall digging depth           | 5.980 mm  |
| E | Max. digging depth of cut for 2,44 m level | 6.370 mm  |
| F | Max. digging reach                         | 9.875 mm  |
| G | Max. digging reach at ground level         | 9.700 mm  |
| H | Min. swing radius                          | 3.040 mm  |

## AUTO TILT BUCKET OPTIONS

Factory fit options (Fitted, calibrated ready for work)

| Bucket width | Capacity (SAE)      | Bucket weight | Rear back blade | Direct mount | QC Lehnhoff HS21 |
|--------------|---------------------|---------------|-----------------|--------------|------------------|
| 1.800 mm     | 0,68 m <sup>3</sup> | 800 kg        | ●               | ●            | ●                |
| 2.000 mm     | 0,86 m <sup>3</sup> | 900 kg        | ●               | ●            | ●                |
| 2.200 mm     | 1,04 m <sup>3</sup> | 1.000 kg      | ●               | ●            | ●                |