

ENGINE

| | |
|-----------------------------------|---|
| Model | Komatsu SAA6D107E-2 |
| 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 x stroke | 107 x 124 mm |
| Displacement | 6,69 ltr |
| Battery | 2 x 12 V/155 Ah |
| Alternator | 24 V/60 A |
| Starter motor | 24 V/5,5 kW |
| Air filter type | Double element type with monitor panel dust indicator and auto dust evacuator |
| Cooling | Suction type cooling fan with radiator fly screen |

HYDRAULIC SYSTEM

| | |
|---------------------------|---|
| Type | HydrauMind. 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 | 2 x 237,5 ltr/min |
| Relief valve settings | |
| Implement | 380 kg/cm ² |
| Travel | 380 kg/cm ² |
| Swing | 295 kg/cm ² |
| Pilot circuit | 33 kg/cm ² |

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) | 7 (PC210), 9 (PC210LC) |
| Carrier rollers (each side) | 2 |

OPERATING WEIGHT (APPR.)

| | PC210-10 | | PC210LC-10 | |
|----------------------|------------------|-------------------------|------------------|-------------------------|
| | Operating weight | Ground pressure | Operating weight | Ground pressure |
| Triple grouser shoes | | | | |
| 600 mm | 22.020 kg | 0,51 kg/cm ² | 22.620 kg | 0,48 kg/cm ² |
| 700 mm | 22.270 kg | 0,44 kg/cm ² | 22.890 kg | 0,41 kg/cm ² |
| 800 mm | 22.560 kg | 0,39 kg/cm ² | 23.210 kg | 0,37 kg/cm ² |
| 900 mm | - | - | 23.480 kg | 0,33 kg/cm ² |

Operating weight, including specified work equipment, 2,9 m arm, 760 kg bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.

SWING SYSTEM

| | |
|---------------------|--|
| Type | Axial piston motor driving through planetary double reduction gearbox |
| Swing lock | Electrically actuated wet multi-disc brake integrated into swing motor |
| Swing speed | 0 - 12,4 rpm |
| Swing torque | 64,6 kNm |
| Max. pressure | 295 kg/cm ² |

DRIVES AND BRAKES

| | |
|----------------------------|--|
| Steering control | 2 levers with pedals giving full independent control of each track |
| Drive method | Hydrostatic |
| Travel operation | Automatic 3-speed selection |
| Gradeability | 70%, 35° |
| Max. travel speeds | |
| Lo / Mi / Hi | 3,0 / 4,1 / 5,5 km/h |
| Maximum drawbar pull | 20.600 kg |
| Brake system | Hydraulically operated discs in each travel motor |

SERVICE REFILL CAPACITIES

| | |
|-------------------------------|----------|
| Fuel tank | 400 ltr |
| Radiator | 30,7 ltr |
| Engine oil | 23,1 ltr |
| Swing drive | 6,5 ltr |
| Hydraulic tank | 132 ltr |
| Final drive (each side) | 5,0 ltr |

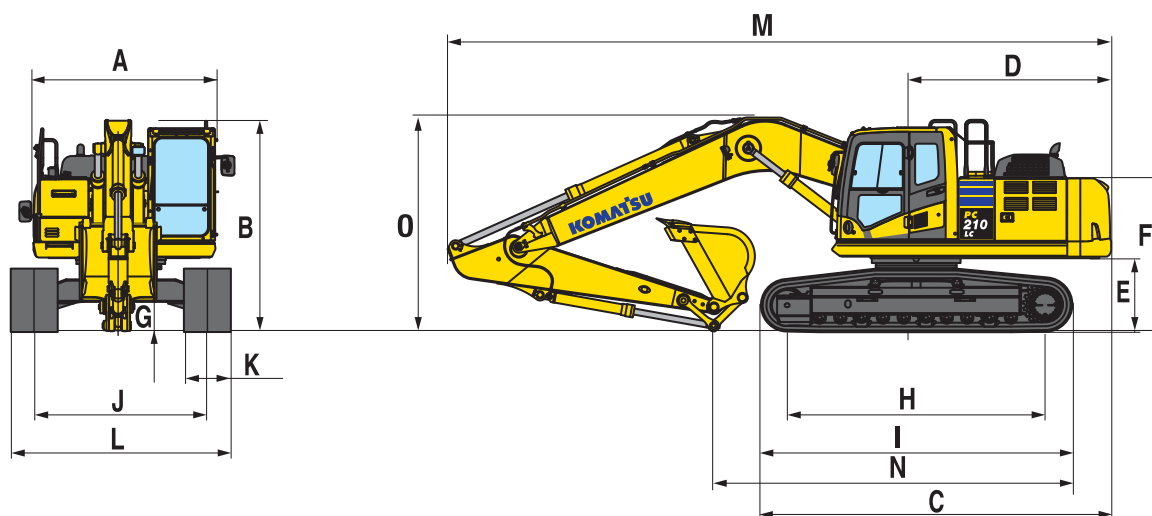
ENVIRONMENT

| | |
|-----------------------------------|---|
| Engine emissions | Fully complies with EU Stage IIIB and EPA Tier 4 interim exhaust emission regulations |
| Noise levels | |
| LwA external | 102 dB(A) (2000/14/EC Stage II) |
| LpA operator ear | 69 dB(A) (ISO 6396 dynamic test) |
| Vibration levels (EN 12096:1997)* | |
| Hand/arm | ≤ 2,5 m/s ² (uncertainty K = 0,49 m/s ²) |
| Body | ≤ 0,5 m/s ² (uncertainty K = 0,24 m/s ²) |

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

Dimensions & Performance Figures

| MACHINE DIMENSIONS | PC210-10 | PC210LC-10 |
|---|------------------|-----------------------|
| A Overall width of upper structure | 2.705 mm | 2.705 mm |
| B Overall height of cab | 3.045 mm | 3.045 mm |
| C Overall length of basic machine | 4.945 mm | 5.135 mm |
| D Tail length | 2.910 mm | 2.910 mm |
| Tail swing radius | 2.940 mm | 2.940 mm |
| E Clearance under counterweight | 1.085 mm | 1.085 mm |
| F Machine tail height | 2.250 mm | 2.250 mm |
| G Ground clearance | 440 mm | 440 mm |
| H Tumbler centre distance | 3.275 mm | 3.655 mm |
| I Track length | 4.080 mm | 4.450 mm |
| J Track gauge | 2.200 mm | 2.380 mm |
| K Track shoe width | 600, 700, 800 mm | 600, 700, 800, 900 mm |
| L Overall track width with 600 mm shoes | 2.800 mm | 2.980 mm |
| Overall track width with 700 mm shoes | 2.900 mm | 3.080 mm |
| Overall track width with 800 mm shoes | 3.000 mm | 3.180 mm |
| Overall track width with 900 mm shoes | - | 3.280 mm |



| TRANSPORT DIMENSIONS | MONO BOOM | |
|---|-----------|----------|
| Arm length | 2,4 m | 2,9 m |
| M Transport length | 9.695 mm | 9.625 mm |
| N Length on ground (transport) PC210-10 | 4.070 mm | 4.070 mm |
| Length on ground (transport) PC210LC-10 | 4.450 mm | 4.450 mm |
| O Overall height (to top of boom) | 3.135 mm | 3.135 mm |



PC210-10 / MAX. BUCKET CAPACITY AND WEIGHT

| Arm length | MONO BOOM | | | |
|--|---------------------|----------|---------------------|----------|
| | 2,4 m | | 2,9 m | |
| Material weight up to 1,2 t/m ³ | 1,59 m ³ | 1.125 kg | 1,44 m ³ | 1.050 kg |
| Material weight up to 1,5 t/m ³ | 1,35 m ³ | 1.000 kg | 1,23 m ³ | 950 kg |
| Material weight up to 1,8 t/m ³ | 1,10 m ³ | 925 kg | 1,07 m ³ | 850 kg |

PC210LC-10 / MAX. BUCKET CAPACITY AND WEIGHT

| Arm length | MONO BOOM | | | |
|--|---------------------|----------|---------------------|----------|
| | 2,4 m | | 2,9 m | |
| Material weight up to 1,2 t/m ³ | 1,68 m ³ | 1.200 kg | 1,65 m ³ | 1.150 kg |
| Material weight up to 1,5 t/m ³ | 1,53 m ³ | 1.100 kg | 1,40 m ³ | 1.025 kg |
| Material weight up to 1,8 t/m ³ | 1,30 m ³ | 1.000 kg | 1,22 m ³ | 925 kg |

Max. capacity and weight have been calculated according to ISO 10567:2007.

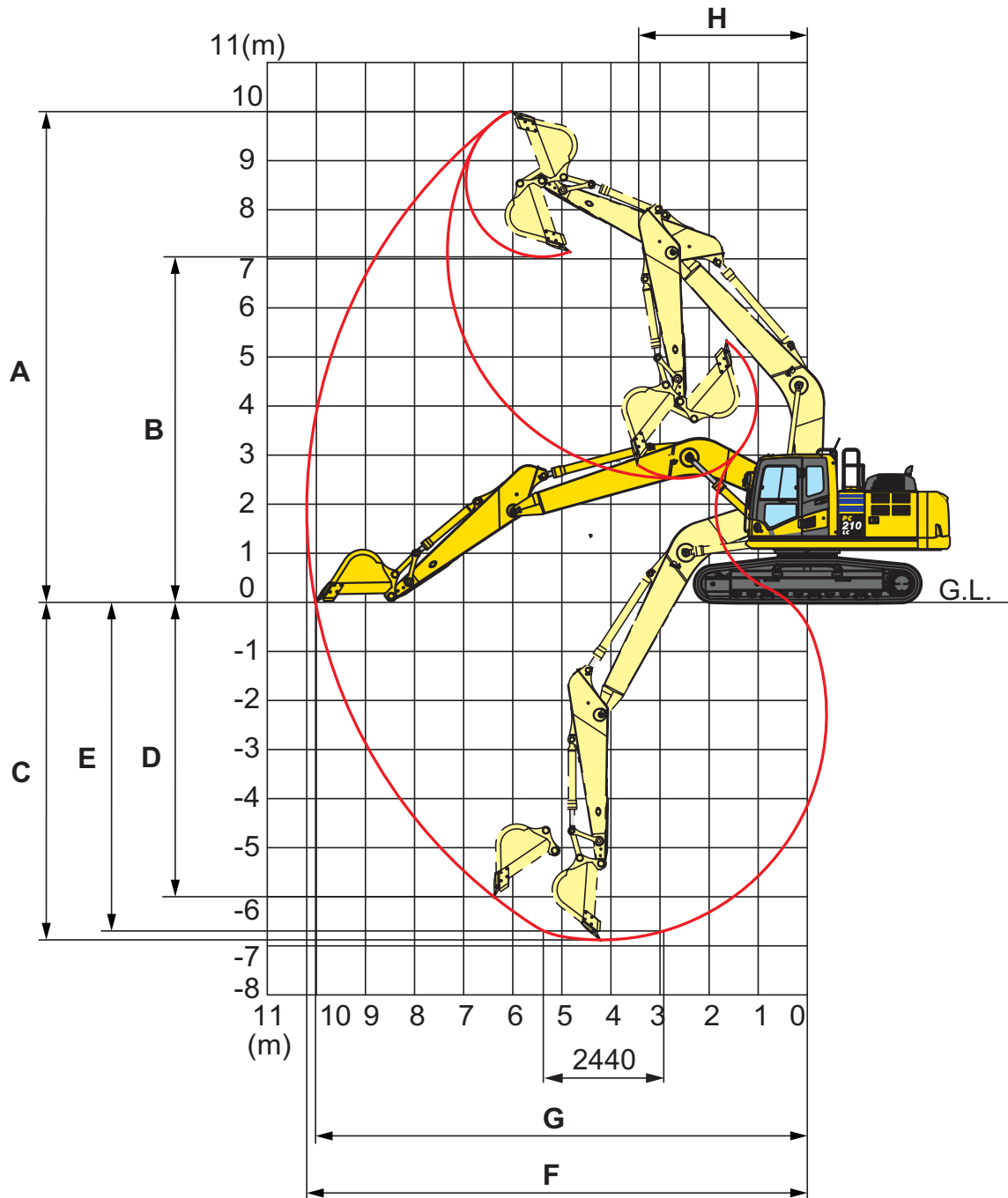
Please consult with your distributor for the correct selection of buckets and attachments to suit the application.

BUCKET AND ARM FORCE

| Arm length | 2,4 m | 2,9 m |
|----------------------------------|-----------|-----------|
| Bucket digging force | 16.500 kg | 14.100 kg |
| Bucket digging force at PowerMax | 17.500 kg | 15.200 kg |
| Arm crowd force | 12.200 kg | 10.300 kg |
| Arm crowd force at PowerMax | 13.000 kg | 11.000 kg |

Working Range












MONO BOOM

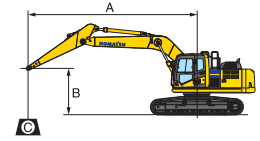


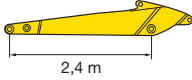
| ARM LENGTH | 2,4 m | 2,9 m |
|--|----------|-----------|
| A Max. digging height | 9.800 mm | 10.000 mm |
| B Max. dumping height | 6.890 mm | 7.110 mm |
| C Max. digging depth | 6.095 mm | 6.620 mm |
| D Max. vertical wall digging depth | 5.430 mm | 5.980 mm |
| E Max. digging depth of cut for 2,44 m level | 5.780 mm | 6.370 mm |
| F Max. digging reach | 9.380 mm | 9.875 mm |
| G Max. digging reach at ground level | 9.190 mm | 9.700 mm |
| H Min. swing radius | 3.090 mm | 3.040 mm |

Lifting Capacity

PC210-10 MONO BOOM

| Arm length | A | | 7,5 m | | 6,0 m | | 4,5 m | | 3,0 m | | 1,5 m | |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|
| | B |  |  |  |  |  |  |  |  |  |  |  |

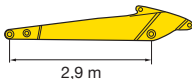


| | | | | | | | | | | | | |
|---|---------|----|--------|-------|-------|-------|--------|-------|--------|--------|---------|---------|
|  | 7,5 m | kg | *6.100 | 5.900 | | | | | | | | |
| | 6,0 m | kg | *5.700 | 4.300 | | | *6.020 | 5.150 | *6.240 | *6.240 | | |
| | 4,5 m | kg | 5.080 | 3.620 | | | *6.520 | 5.010 | *7.600 | *7.600 | *10.410 | *10.410 |
| | 3,0 m | kg | 4.640 | 3.290 | 4.930 | 3.500 | 6.850 | 4.790 | *9.530 | 7.100 | | |
| | 1,5 m | kg | 4.500 | 3.180 | 4.830 | 3.400 | 6.620 | 4.580 | 10.110 | 6.670 | | |
| | 0,0 m | kg | 4.630 | 3.250 | 4.760 | 3.340 | 6.460 | 4.440 | 9.880 | 6.480 | | |
| | - 1,5 m | kg | 5.090 | 3.560 | | | 6.420 | 4.400 | 9.850 | 6.450 | *12.410 | 12.060 |
| | - 3,0 m | kg | 6.240 | 4.310 | | | 6.510 | 4.480 | 9.960 | 6.540 | *14.520 | 12.270 |

A – Reach from swing center


B – Bucket hook height

C – Lifting capacities

| | | | | | | | | | | | | | | |
|---|---------|----|--------|--------|-------|-------|--------|--------|--------|--------|---------|---------|---------|---------|
|  | 7,5 m | kg | *4.060 | *4.060 | | | *4.660 | *4.660 | | | | | | |
| | 6,0 m | kg | *3.820 | *3.820 | | | *5.430 | 5.210 | | | | | | |
| | 4,5 m | kg | *3.800 | 3.290 | 5.050 | 3.600 | *6.010 | 5.050 | *6.810 | *6.810 | | | | |
| | 3,0 m | kg | *3.930 | 3.010 | 4.940 | 3.500 | 6.890 | 4.810 | *8.760 | 7.220 | | | | |
| | 1,5 m | kg | 4.130 | 2.910 | 4.810 | 3.380 | 6.620 | 4.580 | 10.180 | 6.720 | | | | |
| | 0,0 m | kg | 4.220 | 2.960 | 4.720 | 3.290 | 6.430 | 4.400 | 9.860 | 6.440 | *7.200 | *7.200 | | |
| | - 1,5 m | kg | 4.570 | 3.190 | 4.690 | 3.270 | 6.350 | 4.330 | 9.760 | 6.360 | *11.680 | *11.680 | *7.480 | *7.480 |
| | - 3,0 m | kg | 5.420 | 3.750 | | | 6.380 | 4.360 | 9.820 | 6.410 | *15.550 | 12.010 | *12.100 | *12.100 |
| | - 4,5 m | kg | *7.280 | 5.230 | | | | | *9.020 | 6.620 | *12.560 | 12.380 | | |

 – Rating over front

 – Rating over side

 – Rating at maximum reach

With 600 mm shoes

Weights:

With 2,4 m arm: bucket linkage and bucket cylinder: 359 kg











With 2,9 m arm: bucket linkage and bucket cylinder: 335 kg

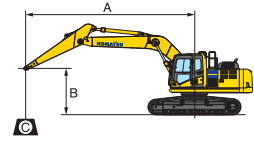
* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard No. J1097.

Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

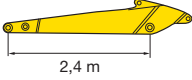
Lifting capacity stated is based on lifting with bare arm. When lifting with additional equipment installed to the arm, please subtract the weight of all additional equipment from the values stated.

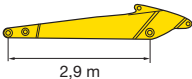
PC210LC-10 MONO BOOM

| Arm length | A | | 7,5 m | | 6,0 m | | 4,5 m | | 3,0 m | | 1,5 m | |
|------------|---|---|---|---|---|---|---|---|---|---|---|--|
| | B |  |  |  |  |  |  |  |  |  |  | |



- A – Reach from swing center
- B – Bucket hook height
- C – Lifting capacities

| | | | | | | | | | | | | |
|--|--------|----|--------|--------|-------|-------|--------|-------|---------|--------|---------|---------|
|  | 7,5 m | kg | *6.100 | *6.100 | | | | | | | | |
| | 6,0 m | kg | *5.700 | 4.780 | | | *6.020 | 5.710 | *6.240 | *6.240 | | |
| | 4,5 m | kg | *5.660 | 4.030 | | | *6.520 | 5.570 | *7.600 | *7.600 | *10.410 | *10.410 |
| | 3,0 m | kg | 5.470 | 3.670 | 5.810 | 3.900 | *7.370 | 5.340 | *9.530 | 7.980 | | |
| | 1,5 m | kg | 5.320 | 3.560 | 5.710 | 3.810 | 7.890 | 5.130 | *11.140 | 7.540 | | |
| | 0,0 m | kg | 5.470 | 3.640 | 5.640 | 3.740 | 7.730 | 4.990 | *11.820 | 7.340 | | |
| | -1,5 m | kg | 6.040 | 3.990 | | | 7.690 | 4.950 | *11.640 | 7.310 | *12.410 | *12.410 |
| | -3,0 m | kg | 7.450 | 4.840 | | | 7.780 | 5.030 | *10.600 | 7.410 | *14.520 | 14.180 |

| | | | | | | | | | | | | | | |
|--|--------|----|--------|--------|--------|-------|--------|--------|---------|--------|---------|---------|---------|---------|
|  | 7,5 m | kg | *4.060 | *4.060 | | | *4.660 | *4.660 | | | | | | |
| | 6,0 m | kg | *3.820 | *3.820 | | | *5.430 | *5.430 | | | | | | |
| | 4,5 m | kg | *3.800 | 3.660 | *5.680 | 4.010 | *6.010 | 5.620 | *6.810 | *6.810 | | | | |
| | 3,0 m | kg | *3.930 | 3.360 | 5.830 | 3.900 | *6.920 | 5.370 | *8.760 | 8.100 | | | | |
| | 1,5 m | kg | *4.210 | 3.260 | 5.700 | 3.790 | *7.850 | 5.130 | *10.570 | 7.590 | | | | |
| | 0,0 m | kg | *4.720 | 3.320 | 5.600 | 3.700 | 7.710 | 4.950 | *11.570 | 7.300 | *7.200 | *7.200 | | |
| | -1,5 m | kg | 5.420 | 3.580 | 5.570 | 3.670 | 7.620 | 4.880 | *11.700 | 7.220 | *11.680 | *11.680 | *7.480 | *7.480 |
| | -3,0 m | kg | 6.450 | 4.220 | | | 7.650 | 4.910 | *11.010 | 7.270 | *15.550 | 13.920 | *12.100 | *12.100 |
| | -4,5 m | kg | *7.280 | 5.890 | | | | | *9.020 | 7.490 | *12.560 | *12.560 | | |

-  – Rating over front
-  – Rating over side
-  – Rating at maximum reach

With 600 mm shoes

Weights:

With 2,4 m arm: bucket linkage and bucket cylinder: 359 kg

With 2,9 m arm: bucket linkage and bucket cylinder: 335 kg

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard No. J1097.

Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

Lifting capacity stated is based on lifting with bare arm. When lifting with additional equipment installed to the arm, please subtract the weight of all additional equipment from the values stated.