KOMATSU®

NET HORSEPOWER
125 kW 168 HP @ 2.000 rpm

OPERATING WEIGHT
PC240LC-7: 24.200 - 26.400 kg
PC240NLC-7: 23.500 - 25.650 kg

BUCKET CAPACITY
0,48 - 1,89 m³

PC240LC-7
PC240NLC-7

PC 240

HYDRAULIC EXCAVATOR

PC240LC/NLC-7

WALK-AROUND

The PC240-7 is a rugged, productive, all-European machine. Designed and expressly built for European markets, it delivers productivity, reliability and operator comforts in a robust, environmentally-friendly package. Komatsu's exclusive, on-board, HydrauMind system assists in all operations, providing enhanced machine performance that's always perfectly matched to the task.

What's new on Dash 7:

- Higher production
- Low fuel consumption
- Easier maintenance and serviceability
- Improved operator comfort
- Lower noise
- Meets EC Stage II emission regulations
- Advanced Attachment Control
- Multi-function colour monitor

High productivity and low fuel consumption

The powerful turbocharged and air-to-air aftercooled Komatsu SAA6D102E-2 provides 125 kW/168 HP. Productivity has increased with greater output in the 'Active' mode, while fuel efficiency has been further improved.

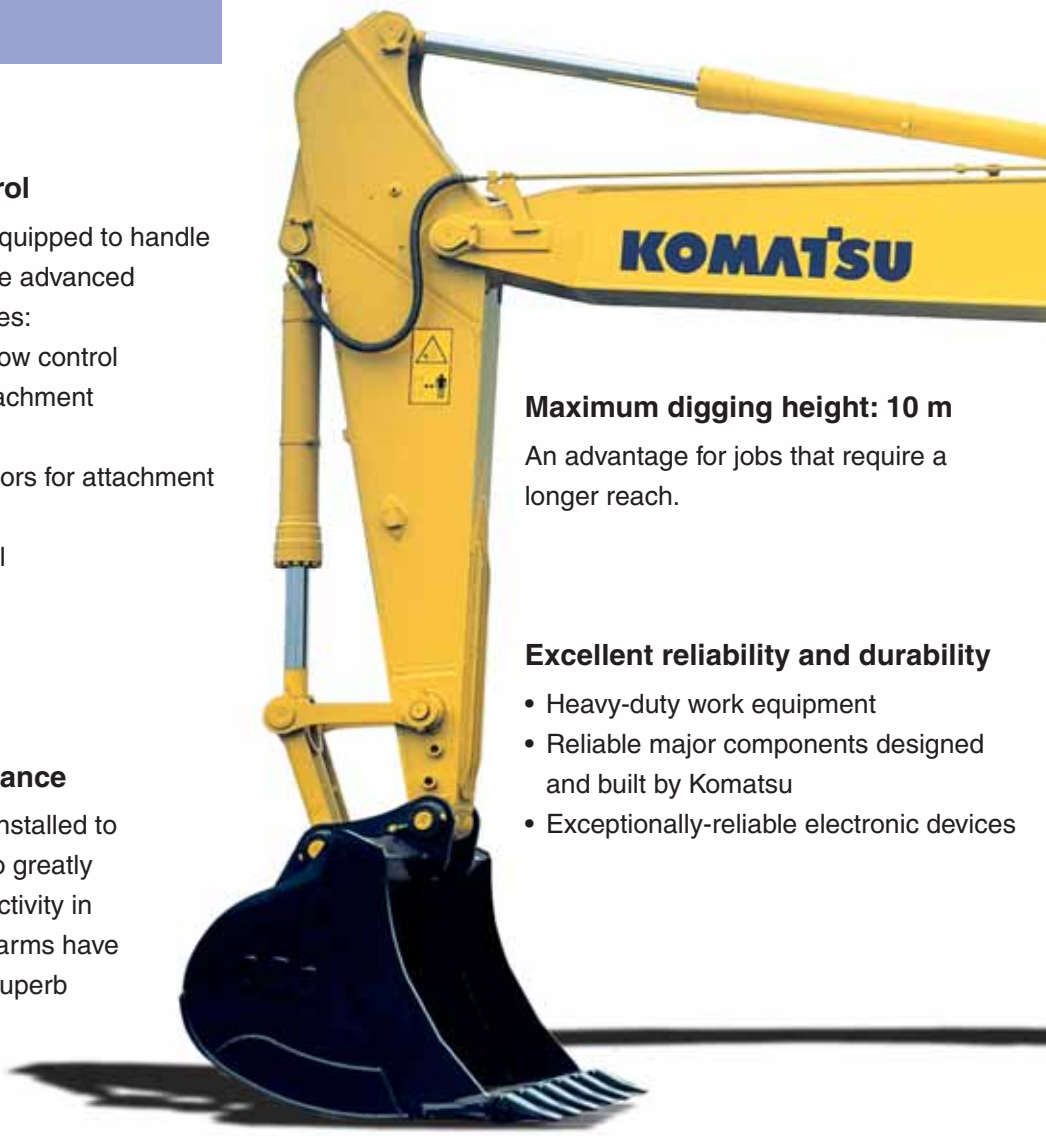
Advanced Attachment Control

The PC240-7 can be optionally equipped to handle a wide variety of attachments. The advanced attachment control system features:

- Operator selectable hydraulic flow control
- Adjustable presets for rapid attachment changeover
- Additional filters and accumulators for attachment and machine protection
- Hydraulic relief pressure control
- Automatic changeover valves
- Attachment piping options

Heavy-duty digging performance

Large bore cylinders have been installed to the super short and short arms to greatly increase digging force and productivity in tough conditions. The boom and arms have larger cross sections to provide superb durability.



Maximum digging height: 10 m

An advantage for jobs that require a longer reach.

Excellent reliability and durability

- Heavy-duty work equipment
- Reliable major components designed and built by Komatsu
- Exceptionally-reliable electronic devices

Greater lifting capacity

Lateral stability has been improved and the lifting capacity has increased.

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PC240LC-7: 24.200 - 26.400 kg
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BUCKET CAPACITY
0,48 - 1,89 m³

Easy maintenance

- Extended hydraulic filter replacement interval
- Remote-mounted engine oil filter and fuel drain valve, for easy access
- Standard-equipped water separator
- Easier radiator cleaning
- Increased fuel tank capacity
- SCSH bushings on the work equipment extend the lubricating interval significantly

SpaceCab™

The new PC240-7's cabin space has been increased by 14%, offering an exceptionally-roomy operating environment.

- Sealed and pressurised cab with standard air conditioning
- Low-noise design
- Low-vibration design with cabin damper mounting
- OPG Level I (ISO) compliant cabin

In harmony with the environment

- The low emission engine meets EC Stage II emissions standards with increased power and machine productivity
- The economy mode reduces fuel consumption
- Low operating noise
- Designed for easy end-of-life recycling

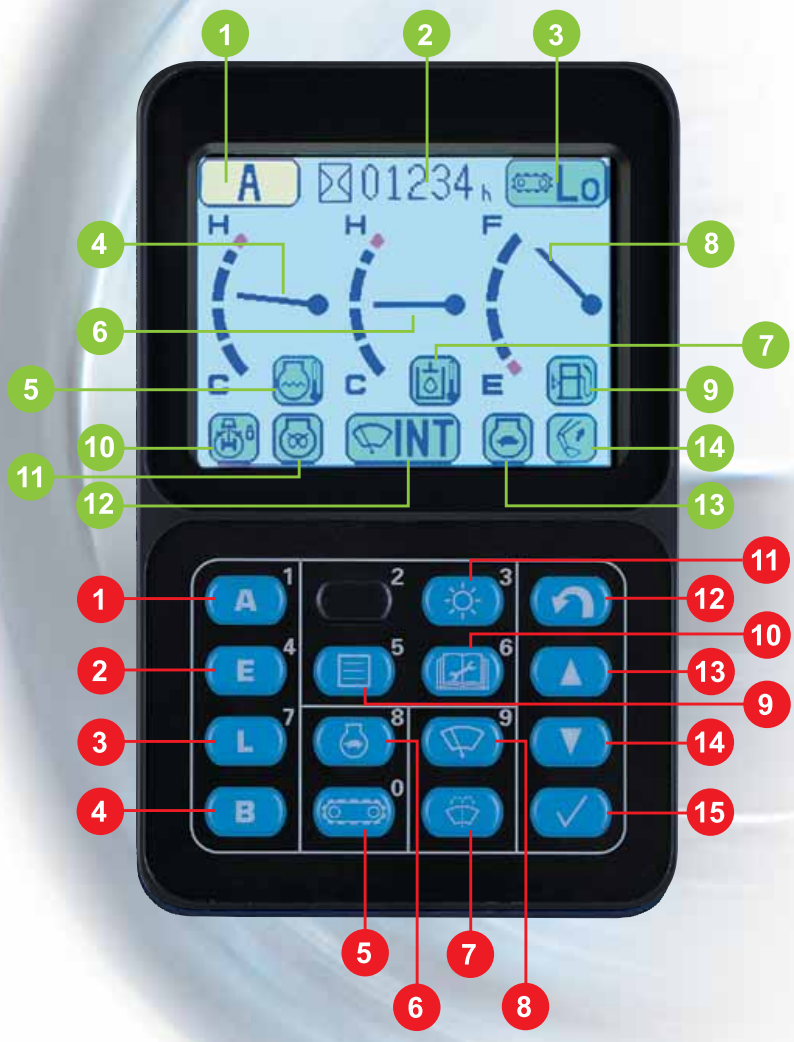
EMMS

EMMS (Equipment Management and Monitoring System)

The EMMS is a highly sophisticated system, controlling and monitoring all the excavator functions. The user interface is highly intuitive and provides the operator with easy access to a huge range of functions and operating information.

Four working modes

The PC240-7 is equipped with three working modes: (A, E, B), plus a lifting mode (L). Each mode is designed to match the engine speed, pump speed, and system pressure with the current operating requirement. This provides the flexibility to match equipment performance to the job at hand.



On-screen symbols

1. Operating mode
2. Service hours meter
3. Travel speed
4. Engine water gauge
5. Engine water temperature warning
6. Hydraulic oil gauge
7. Hydraulic oil temperature warning
8. Fuel level gauge
9. Fuel low level warning
10. Swing lock
11. Pre-heat
12. Continuous/intermittent window wiper
13. Auto deceleration
14. PowerMax

Push-button control switches

1. 'Active' mode
2. 'Economy' mode
3. 'Lifting' mode
4. 'Breaker' mode
5. Travel speed selector switch
6. Auto deceleration
7. Window washer
8. Window wiper
9. Select (For attachment oil flow adjustment)
10. Maintenance mode
11. Screen brightness adjustment
12. Input (return)
13. Input (up)
14. Input (down)
15. Input (confirm)

Active mode
For maximum power and fast cycle times. Normally used for heavy operations such as hard digging and loading. This mode allows access to the 'PowerMax' function to temporarily increase the digging force by 7% for added power in tough situations.

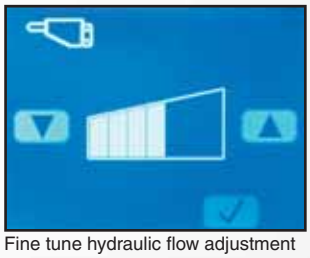
Economy mode
The environmentally-friendly mode. For running more quietly during operations at night and/or in urban areas. Fuel consumption and exhaust emissions are reduced.

Breaker mode
Delivers optimal hydraulic pressure, flow and engine RPMs for powerful breaker operations.

Lifting mode
Increases the lifting capacity 7% by raising the hydraulic pressure. This mode supports safe lifting operations.

Working mode	Application	Advantage
A	Active mode	• Maximum production/power • Fast cycle times
E	Economy mode	• Excellent fuel economy
B	Breaker mode	• Optimum engine RPMs and hydraulic flow
L	Lifting mode	• Hydraulic pressure has been increased by 7%

Hydraulic flow general adjustment screen in B (breaker) mode


Fine tune hydraulic flow adjustment screen in B (breaker) mode


Fine tune hydraulic flow adjustment screen in A (active) or E (economy) mode


Password screen

Easy to see and easy to use
Superb recognition colour LCD screens for each mode. Letters and numbers are combined with colour images for exceptionally clear and easy-to-read information. The high-resolution screen is easy to read in bright sunlight and in all lighting conditions.

Automatic three-speed travel
The travel speed is automatically shifted from high to low speed, according to the ground conditions.

	High	Mid	Low
Travel speed	5,5 km/h	4,2 km/h	3,1 km/h

Fingertip hydraulic pump oil flow adjustment
From the LCD monitor, you can automatically select the optimal hydraulic pump oil flow for breaking, crushing, and other operations in the B, A or E modes. Also, when simultaneously operating with attachments and work equipment, the flow to the attachment is reduced automatically, thus delivering a smooth movement of the work equipment.

Password protection
Prevents unauthorised machine use or transport. The engine cannot be started without your four-digit use or password.
For total security, the battery is connected directly to the starter motor. Both the starter and the engine need the password.
The password can be activated and deactivated upon request.

WORKING ENVIRONMENT

PC240-7's cab interior is spacious and provides a comfortable working environment…

SpaceCab™

Comfortable cab

The new PC240-7 inner cab volume is 14% greater than the Dash 6, offering an exceptionally comfortable operating environment. The large cab enables the seat, with headrest, to be reclined to horizontal.

Pressurised cab

The standard-equipped air conditioner, air filter and a higher internal air pressure resist dust entry into the cab.

Low-noise design

Noise levels are substantially reduced; engine noise as well as swing and hydraulics operations noise.

Cab damper mounting for low vibration levels

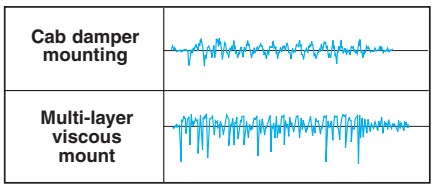
PC240-7 uses a new and improved viscous damping cab mount system that incorporates a longer stroke plus an added spring. The new cab damper mounting, combined with strengthened left and right-side decks, aids the reduction of vibrations to the operator's seat. Vibrations at the floor level have been reduced from 120 dB (VL) to 115 dB (VL).

dB (VL) is an index of vibration level. As it increases, vibration increases and operator comfort is reduced.

Outer air filter

Easy removal/installation of the air conditioner filter element, without tools facilitates easier cleaning.

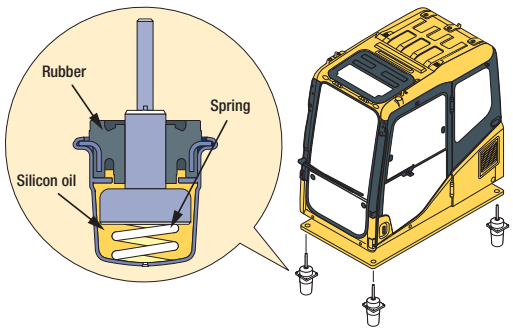
Riding comfort comparison



Conditions:
- Travelling over obstacle one side track
- High-speed forward travel

— Floor vibration

Vertical pitch oscillation on the graph shows the intensity of vibration



Roof hatch

12-Volt power supply and (optional) radio cassette

Climate control

Bottle holder and magazine rack

Safety features

Multi-position controls

The multi-position, proportional pressure control levers allow the operator to work in comfort whilst maintaining precise control. A double-slide mechanism allows the seat and controllers to move together, or independently, allowing the operator to position the controllers for maximum productivity and comfort.

Hot and cool box

3 button lever

Seat sliding range: 340 mm – increased by 120 mm over the Dash 6

Defroster/demister

Improved, wide visibility

The right side window pillar has been removed and the rear pillar reshaped to provide greater visibility. Blind spots have been decreased by 34%.

Pump/engine room partition

This prevents hydraulic oil from spraying onto the engine to reduce the risk of fire.

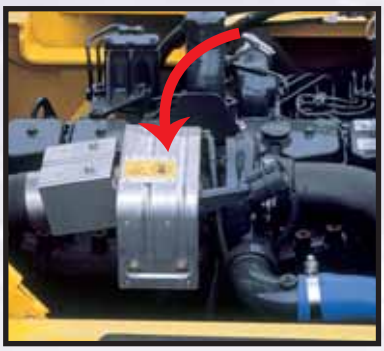
Thermal and fan guards

Are placed around high-temperature parts of the engine. The fan belt and pulleys are well protected.

Steps with non-skid surface and large handrail

Steps with non-slip surfacing ensure safer maintenance.

Thermal guard



Non-slip sheet

Large handrail for safe access

PRODUCTIVITY FEATURES

High production levels and low fuel consumption

The increased output and fuel savings of the Komatsu SAA6D102E-2 engine result in increased productivity (tonnes per litre of fuel).

Engine

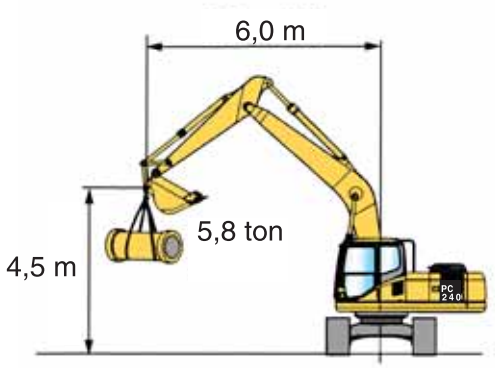
The PC240-7 gets its exceptional power and work capacity from a Komatsu SAA6D102E-2 engine.
Its output is 125 kW/168 HP, providing increased hydraulic power and improved fuel efficiency.

Hydraulics

The unique two-pump system ensures smooth, simultaneous movement of the work equipment. Komatsu's exclusive HydrauMind system controls both of the pumps for most-efficient use of engine power. The system also reduces hydraulic loss during operations. Optional, additional hydraulic circuits may be ordered.

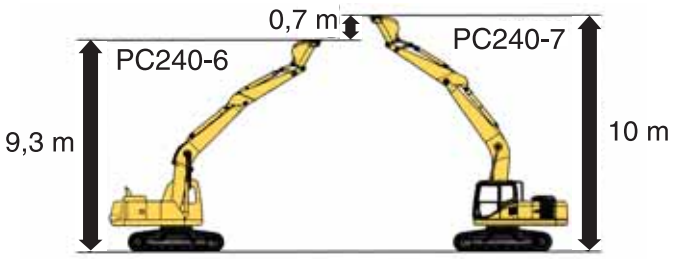
Larger drawbar pull

PC240-7's maximum drawbar pull has been increased by 14% over Dash 6, providing superb slope climbing capability. Maximum drawbar pull: 20.570 kg



Extended digging height

PC240-7's maximum digging height is 10 m, facilitating jobs such as demolition and slope finishing that require longer reaches.



Larger arm crowd force and digging force provide increased production

Large bore cylinders are installed on the short arm to greatly increase digging forces and productivity in tough conditions. The arm crowd force has increased 8% and the bucket digging force has increased 7% when the PowerMax function is applied (compared to the PC240-6).

Bucket digging force*:	20.100 kg
Arm crowd force*:	16.400 kg

* Measured with PowerMax function, 2,0 m arm and ISO rating

The cross sections of boom and arm have been enlarged to provide superb durability.

Heavy-duty arm

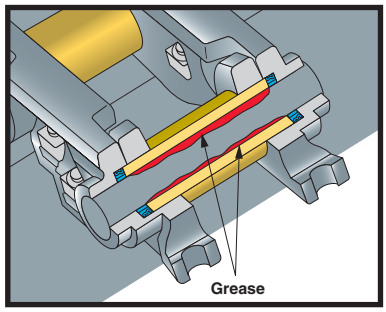
Greater lifting capacity

PC240LC-7's stability is greater than before. Also the hydraulic pressure has increased. The result: the PC240LC-7's lifting capacity is greater. Example: the over-side lifting capacity (reach 6,0 m, height 4,5 m) has increased from 5,0 tonnes to 5,8 tonnes compared to the PC240LC-6.

Excellent reliability and durability

Reliable components

All of the major machine components, such as the engine, hydraulic pump, hydraulic motor and control valves, are designed and manufactured by Komatsu. This guarantees that each component is expressly built for the class and model of machine. This ensures that the engineering, manufacturing standards and testing that go into each component are 'totally-Komatsu'.



Grease-sealed track provides excellent undercarriage durability

Highly-rigid, robust work equipment

The strengthened boom and arm have large cross-sectional dimensions as well as continuous two-sided groove welding, improving the digging and side-contact strengths.

Sturdy frame structure

The revolving frame, centre frame and undercarriage have been designed using the most advanced three-dimensional Computer Aided Design (CAD) and Finite Elements Modelling (FEM) analysis technology.

Track link with strut
The PC240-7 uses track links with struts, providing superb durability

Highly-reliable electronic devices

Exclusively-designed electronic devices are certified by severe testing.

- Controller
- Connectors
- Sensors
- Heat-resistant wiring

Metal guard rings

These protect all hydraulic cylinders and improve reliability.

Harmony with the environment

Low-emission engine

Komatsu SAA6D102E-2 is EC Stage II compliant, with reduced NOx emissions, compared to the PC240-6.

Economy (environment) mode

'Economy' mode meets the needs of the 21st century. This mode offers the user fuel savings, quiet operation, and less CO_2 emissions.

Low noise

Noise has been reduced from the engine as well as from swing and hydraulic operations. The dynamic noise level is just 73 dB(A) at operator ear level (ISO 6369).

Easy end-of-life recycling

The PC240-7 is designed with the consideration of end-of-life recycling, effectively reducing its environmental impact.

- All exterior parts are made of steel.
- Extended engine oil, hydraulic oil and filter replacement intervals reduce environmental impact.
- All plastic parts are given a material code symbol.

VHMS

VHMS (Vehicle Health Monitoring System)

The VHMS's precise health-check system indicates all of the machine's running conditions. At the beginning of, and during, each work shift, abnormality information and machine functions can be checked from the operator's seat.

New features: VHMS machine health monitoring

- Up to four different mechanical system measurements can be monitored at the same time.
- A "Maintenance Indicator" function has been added. (Filter and oil replacement time display function).
- Mechanical system failures are now monitored, in addition to electrical system failures.
- Failures are indicated with a 6-digit failure code.

Displays running conditions and abnormality indications

At the operator's fingertips: the VHMS controller monitors engine oil level, cooling water level, fuel level, engine water temperature, engine oil pressure, battery charging level, air filter clogging, and more.
The monitor also indicates whenever abnormalities are detected.

Maintenance alert assistance

The VHMS monitor alerts when oil and filters need to be replaced.

Operation data memory

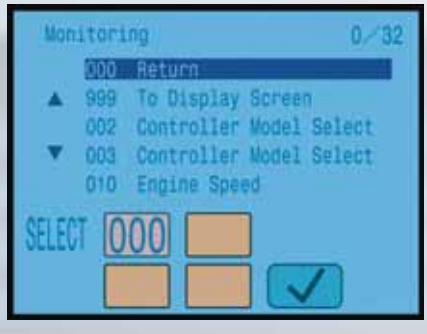
The system memorises machine operating data such as engine output, hydraulic pressure, and more.

Trouble data memory

The monitor stores and recalls electrical system and mechanical system failures and abnormalities for effective troubleshooting. The twenty most-recent electrical system failures are stored. Mechanical system failures cannot be erased, ensuring accurate documentation of vital service management information.

VHMS 'real time monitoring system'

The ‚real time monitoring system' displays up to four different operating parameters simultaneously, giving the mechanic a total overview for faster troubleshooting. Parameters include operating conditions such as hydraulic oil pressure, engine RPMs, various voltages and currents, and even temperature measurement.



Real time monitoring

Reducing maintenance costs

Extended replacement intervals for engine oil and filters

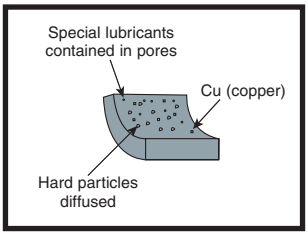
New, high-performance filters are used in the hydraulic circuit and engine. Replacement intervals for the hydraulic oil filter have been significantly extended, reducing maintenance costs.

Replacement intervals	PC240-7
Engine oil	500 h
Engine oil filter	500 h
Hydraulic oil	5.000 h
Hydraulic oil filter	1.000 h

With SCSH bushings, all work equipment lubrication intervals have been extended

Newly-developed SCSH (Steel Copper Sinter Hard Material) bushings are used on all work equipment joints*. As a result, all work equipment bushing lubrication intervals have been significantly extended, with some joints only needing lubrication every 500 hours, thus reducing maintenance costs.

* Available for bucket pin, depending on bucket design



SCSH bushing

Tungsten carbide-injected bushing

Tungsten carbide is injected into the end faces of the arm-top bushing to form a hard film. This reduces the wear of the surface contact areas and fluttering of the bucket.

Trouble data memory

Maintenance record

Maintenance mode change

MAINTENANCE FEATURES

Easy maintenance

Komatsu designed the PC240-7 to have easy service access. By doing this, routine maintenance and servicing are less likely to be skipped. This can mean a reduction in costly downtime later on. Here are some of the many service features found on the PC240-7:

Easy radiator cleaning

The clearance between the radiator and oil cooler has been increased to facilitate radiator core cleaning with an air nozzle.

Water separator

This is standard equipment which removes any water that has become mixed with the fuel, preventing fuel system damage.

Easy access to the engine oil filter and fuel drain valve

The engine oil filter and fuel drain valve are mounted remotely to improve accessibility.

Auto greasing (optional)

A factory-installed Automatic Greasings System (AGS) ensures proper lubrication and saves driver maintenance downtime. Factory installation includes welding protective, heavy-duty line shielding onto the dipper arm during the manufacturing process, before painting. The central lubrication system uses reinforced hoses to carry the lubricant to all of the lubrication points, and is governed by several distribution blocks. Lubrication cycles may be adjusted to the operator's preference.

SPECIFICATIONS

ENGINE

Model ..... Komatsu SAA6D102E-2
Type ..... Direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Rated capacity ..... 125 kW/168 HP (ISO 9249 Net)
at engine speed ..... 2.000 rpm
No. of cylinders 6
Bore/stroke ..... 102/120 mm
Displacement ..... 5,88 ltr
Battery ..... 2 × 12 V/95 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 ..... Depending on the specification up to 2 additional circuits can be installed
Main pump ..... 2 variable displacement piston pumps supplying boom, arm, bucket, swing and travel circuits
Maximum pump flow ..... 2 × 220 ltr/min
Relief valve settings
Implement ..... 380 kg/cm²
Travel ..... 380 kg/cm²
Swing ..... 290 kg/cm²
Pilot circuit ..... 33 kg/cm²

ENVIRONMENT

Engine emissions ..... Fully complies with EC Stage II exhaust emission regulations
Noise levels
LwA external ..... 104 dB(A) (2000/14/EC)
LpA operator ear ..... 73 dB(A) (ISO 6369 dynamic test)

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 - 11,7 rpm

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 ..... 3,1 / 4,2 / 5,5 km/h
Maximum drawbar pull ..... 20.570 kg
Brake system ..... Hydraulically operated discs in each travel motor

UNDERCARRIAGE

Construction ..... X-frame centre section with box section track-frames
Track assembly
Type ..... Fully sealed
Shoes (each side) 51 (PC240LC), 49 (PC240NLC)
Tension ..... Combined spring and hydraulic unit
Rollers
Track rollers (each side) 10 (PC240LC), 9 (PC240NLC)
Carrier rollers (each side) 2

COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank ..... 400,0 ltr
Radiator ..... 30,9 ltr
Engine oil ..... 24,0 ltr
Swing drive ..... 6,6 ltr
Hydraulic tank ..... 143,0 ltr
Final drive (each side) ..... 4,5 ltr

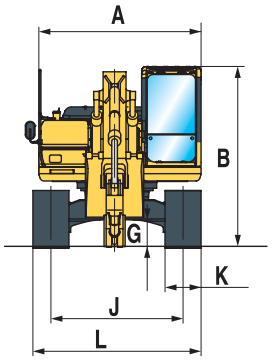
OPERATING WEIGHT (APPR.)

Operating weight, including 5.850 mm one-piece boom, 3,0 m arm, 1,1 m³ bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.

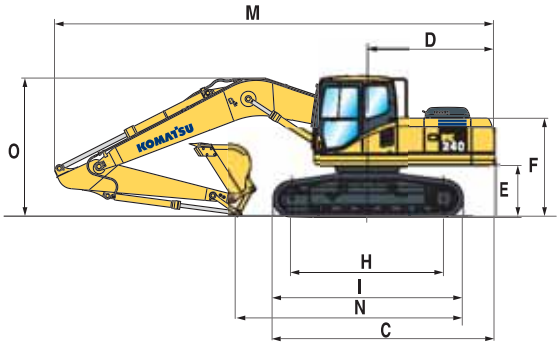
	MONO BOOM				TWO-PIECE BOOM			
	PC240LC-7		PC240NLC-7		PC240LC-7		PC240NLC-7	
Triple grouser shoes	Operating weight	Ground pressure	Operating weight	Ground pressure	Operating weight	Ground pressure	Operating weight	Ground pressure
600 mm	24.200 kg	0,51 kg/cm²	23.500 kg	0,53 kg/cm²	25.525 kg	0,55 kg/cm²	25.065 kg	0,57 kg/cm²
700 mm	24.500 kg	0,44 kg/cm²	23.800 kg	0,46 kg/cm²	25.815 kg	0,48 kg/cm²	25.355 kg	0,50 kg/cm²
800 mm	24.800 kg	0,39 kg/cm²	24.100 kg	0,41 kg/cm²	26.105 kg	0,42 kg/cm²	25.645 kg	0,44kg/cm²
900 mm	25.100 kg	0,35 kg/cm²	–	–	26.395 kg	0,38 kg/cm²	–	–

MACHINE DIMENSIONS

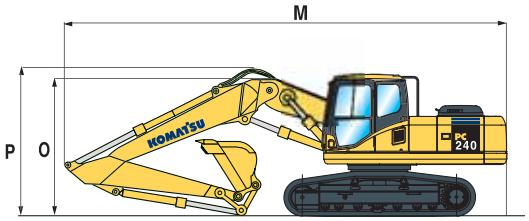
MACHINE DIMENSIONS		PC240LC-7	PC240NLC-7
A	Overall width of upper structure	2.710 mm	2.710 mm
B	Overall height of cab	3.015 mm	3.015 mm
C	Overall length of basic machine	5.225 mm	5.030 mm
D	Tail length	2.905 mm	2.905 mm
	Tail swing radius	2.940 mm	2.940 mm
E	Clearance under counterweight	1.100 mm	1.100 mm
F	Machine tail height	2.390 mm	2.390 mm
G	Ground clearance	440 mm	440 mm
H	Track length on ground	3.845 mm	3.655 mm
I	Track length	4.640 mm	4.450 mm
J	Track gauge	2.580 mm	2.380 mm
K	Track shoe width	600, 700, 800, 900 mm	600, 700, 800 mm
L	Overall track width with 600 mm shoe	3.180 mm	2.980 mm
	Overall track width with 700 mm shoe	3.280 mm	3.080 mm
	Overall track width with 800 mm shoe	3.380 mm	3.180 mm
	Overall track width with 900 mm shoe	3.480 mm	–



MONO BOOM



TWO-PIECE BOOM



ARM LENGTH			MONO BOOM				TWO-PIECE BOOM		
			2,0 m	2,5 m	3,0 m	3,5 m	2,5 m	3,0 m	3,5 m
M	Transport length		9.865 mm	9.960 mm	9.885 mm	9.910 mm	10.090 mm	10.040 mm	10.000 mm
N	Length on ground (transport)	PC240LC	6.600 mm	6.115 mm	5.390 mm	4.950 mm	6.795 mm	6.170 mm	8.895 mm
		PC240NLC	6.460 mm	6.020 mm	5.260 mm	4.860 mm	6.700 mm	6.075 mm	5.800 mm
O	Overall height (to top of boom)		3.220 mm	3.295 mm	3.160 mm	3.270 mm	3.445 mm	3.540 mm	3.680 mm
P	To top of hose		–	–	–	–	3.015 mm	3.015 mm	3.155 mm

BUCKET OPTIONS & DIGGING FORCES

Specifications and equipment may vary according to regional availability

PC240LC-7 / PC240NLC-7

BUCKET AND ARM COMBINATION			PC240LC				PC240NLC			
Width	Capacity SAE	Weight	2,0 m	2,5 m	3,0 m	3,5 m	2,0 m	2,5 m	3,0 m	3,5 m
600 mm	0,48 m³	620 kg	○	○	○	○	○	○	○	○
800 mm	0,70 m³	690 kg	○	○	○	○	○	○	○	○
1.000 mm	0,93 m³	780 kg	○	○	○	○	○	○	○	○
1.200 mm	1,17 m³	890 kg	○	○	○	○	○	○	○	○
1.400 mm	1,41 m³	980 kg	○	○	○	○	○	○	○	○
1.500 mm	1,53 m³	1.040 kg	○	○	○	○	○	○	○	□
1.600 mm	1,65 m³	1.090 kg	○	○	○	□	○	○	□	△
1.800 mm	1,89 m³	1.200 kg	○	□	△	–	□	△	–	–

Please consult with your distributor for the correct selection of buckets and attachments to suit the application. The recommendations are given as a guide only, based on typical operating conditions.

○ Material weight up to 1,8 t/m³
□ Material weight up to 1,5 t/m³
△ Material weight up to 1,2 t/m³
– Not usable

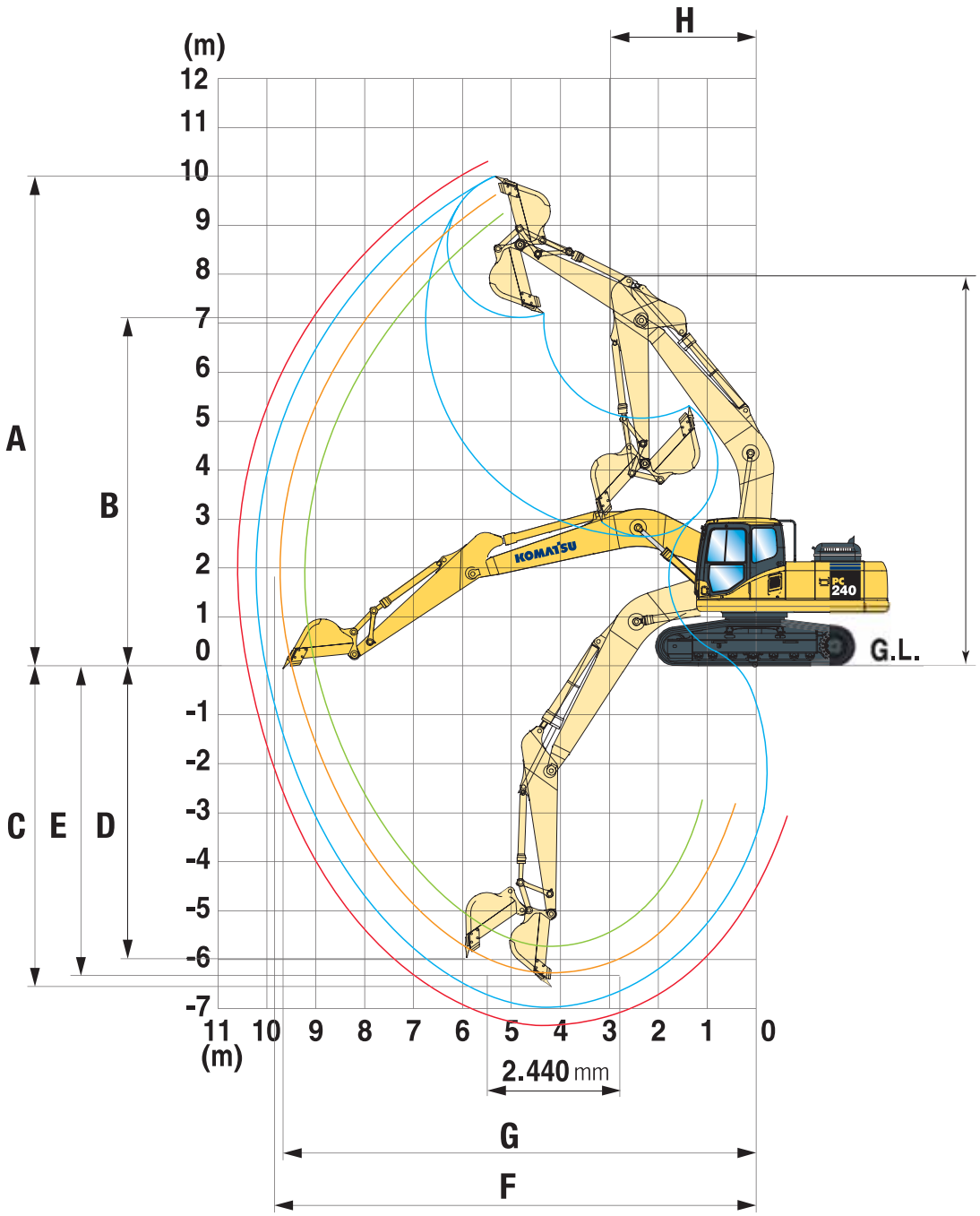
A full range of Komatsu wear parts is available.

A wide range of attachments is available. Please consult your distributor for details of the full range.

BUCKET AND ARM FORCE				
Arm length	2,0 m	2,5 m	3,0 m	3,5 m
Bucket digging force	18.800 kg	18.800 kg	16.200 kg	16.200 kg
Bucket digging force at power max.	20.100 kg	20.100 kg	17.500 kg	17.500 kg
Arm crowd force	15.300 kg	14.100 kg	12.300 kg	10.500 kg
Arm crowd force at power max.	16.400 kg	15.100 kg	13.200 kg	11.200 kg

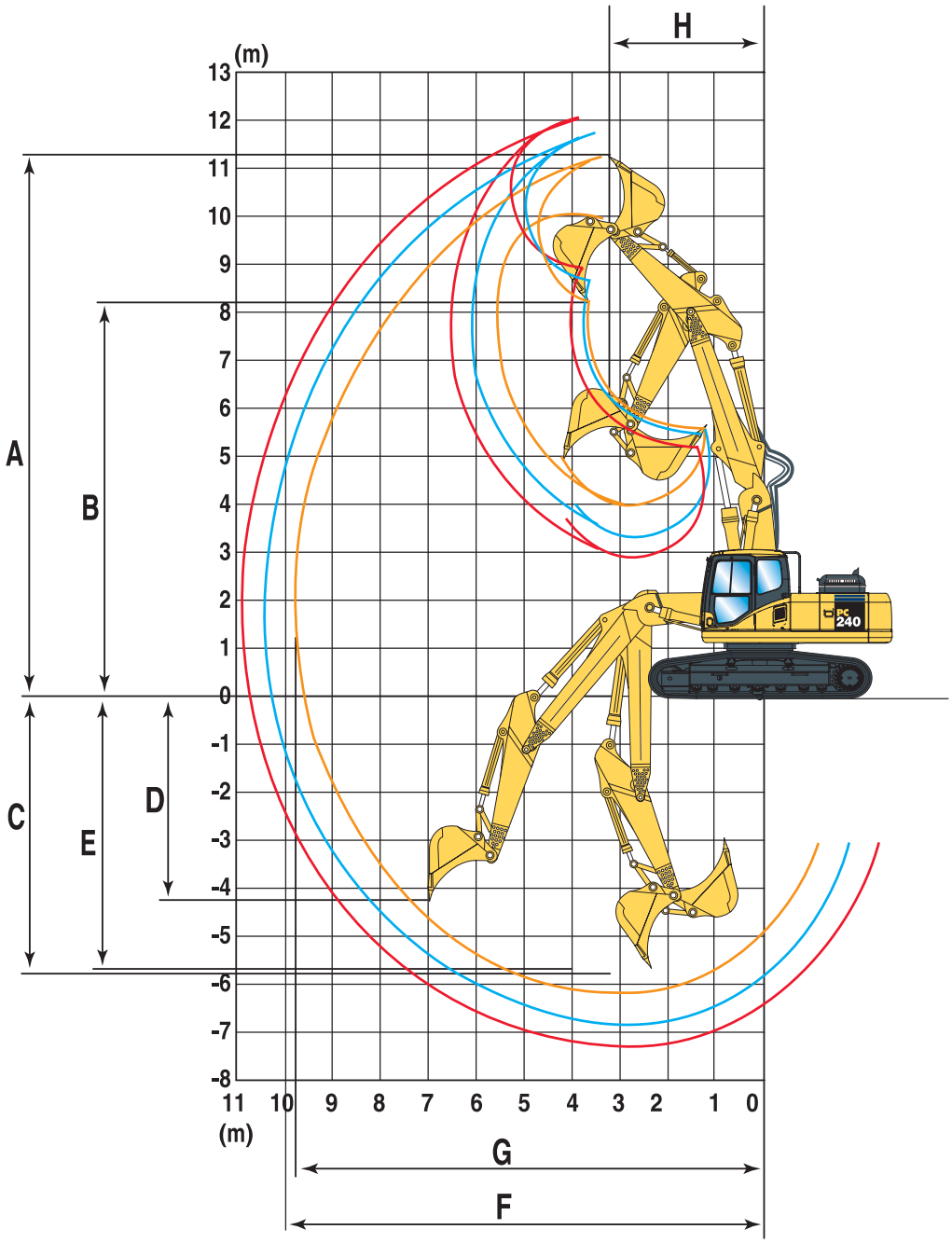
WORKING RANGES PC240LC/NLC-7

MONO BOOM



ARM LENGTH		2,0 m	2,5 m	3,0 m	3,5 m
A	Max. digging height	9.665 mm	9.790 mm	10.000 mm	10.300 mm
B	Max. dumping height	6.715 mm	6.860 mm	7.035 mm	7.360 mm
C	Max. digging depth	5.825 mm	6.320 mm	6.920 mm	7.320 mm
D	Max. vertical wall digging depth	4.750 mm	5.130 mm	6.010 mm	6.230 mm
E	Max. digging depth of cut for 2,44 m level	5.585 mm	6.100 mm	6.700 mm	7.150 mm
F	Max. digging reach	9.270 mm	9.480 mm	10.180 mm	10.580 mm
G	Max. digging reach at ground level	9.070 mm	9.670 mm	10.020 mm	10.420 mm
H	Min. swing radius	3.300 mm	3.320 mm	3.450 mm	3.340 mm
I	Max. height at min. swing radius	8.060 mm	8.160 mm	8.110 mm	8.140 mm

TWO-PIECE BOOM



ARM LENGTH		2,5 m	3,0 m	3,5 m
A	Max. digging height	11.300 mm	11.800 mm	12.100 mm
B	Max. dumping height	8.207 mm	8.702 mm	8.997 mm
C	Max. digging depth	6.062 mm	6.601 mm	7.092 mm
D	Max. vertical wall digging depth	4.653 mm	5.545 mm	6.003 mm
E	Max. digging depth of cut for 2,44 m level	5.962 mm	6.508 mm	7.004 mm
F	Max. digging reach	10.000 mm	10.550 mm	10.970 mm
G	Max. digging reach at ground level	9.800 mm	10.370 mm	10.800 mm
H	Min. swing radius	2.946 mm	2.874 mm	2.984 mm

LIFTING CAPACITY

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

PC240LC-7 MONO BOOM

With 700 mm shoe

3,5 m

730 kg
0,96 m³

6,0 m	kg	*2.350	*2.350	*4.050	*4.050								
4,5 m	kg	*2.400	*2.400	*5.050	*4.200	*5.200	*5.200						
3,0 m	kg	*2.550	*2.550	*5.800	4.050	*6.550	5.950	*8.050	*8.050	*11.850	*11.850		
1,5 m	kg	*2.850	2.650	6.050	3.850	*8.000	5.550	*10.850	8.750	*10.850	*10.850		
0,0 m	kg	*3.300	2.650	5.850	3.700	8.400	5.250	*12.900	8.150	*9.500	*9.500	*4.300	*4.300
-1,5 m	kg	*4.050	2.850	5.750	3.600	8.150	5.000	13.500	7.900	*11.850	*11.850	*7.350	*7.350
-3,0 m	kg	5.350	3.350	5.700	3.550	8.150	5.000	13.450	7.850	*15.650	*15.650	*10.600	*10.600
-4,5 m	kg	7.050	4.400			8.250	5.100	*13.100	8.000	*19.350	16.500	*14.400	*14.400

With 700 mm shoe

3,0 m

730 kg
0,96 m³

6,0 m	kg	*3.000	*3.000	*4.450	4.250	*4.900	*4.900						
4,5 m	kg	*3.050	*3.050	*5.550	4.200	*5.800	*5.800						
3,0 m	kg	*3.200	2.950	*6.250	4.050	*7.150	5.900	*9.050	*9.050	*14.450	*14.450		
1,5 m	kg	*3.550	2.850	6.050	3.850	*8.550	5.550	*11.700	8.650	*6.900	*6.900		
0,0 m	kg	*4.050	2.900	5.900	3.700	8.450	5.250	*13.500	8.150	*8.100	*8.100		
-1,5 m	kg	*4.950	3.100	5.800	3.650	8.300	5.150	13.550	8.000	*11.650	*11.650	*7.350	*7.350
-3,0 m	kg	5.850	3.700			8.250	5.100	*13.600	8.000	*16.750	16.350	*11.350	*11.350
-4,5 m	kg	7.950	5.000			8.450	5.300	*12.650	8.200	*18.350	16.850		

With 700 mm shoe

2,5 m

730 kg
0,96 m³

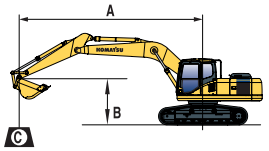
6,0 m	kg	*4.750	4.400			*5.650	*5.650						
4,5 m	kg	*4.850	3.650	*6.100	4.150	*6.500	6.100	*7.500	*7.500				
3,0 m	kg	5.150	3.300	6.200	4.000	*7.750	*5.800	*10.150	9.100				
1,5 m	kg	5.000	3.200	6.000	3.850	8.650	5.450	*12.550	8.450				
0,0 m	kg	5.150	3.250	5.900	3.750	8.400	5.250	13.700	8.100				
-1,5 m	kg	5.650	3.550	5.850	3.700	8.300	5.150	13.600	8.000	*13.000	*13.000	*8.550	*8.550
-3,0 m	kg	6.850	4.350			8.350	5.200	*13.700	8.100	*19.850	16.550	*13.900	*13.900
-4,5 m	kg	*9.550	6.400					*11.700	8.400	*16.750	*16.750		

With 700 mm shoe

2,0 m

730 kg
0,96 m³

6,0 m	kg	*4.850	4.800			*6.300	6.200						
4,5 m	kg	*4.950	3.950	*5.600	*4.050	*7.100	*6.000	*8.400	*8.400	*12.000	*12.000		
3,0 m	kg	*5.250	*3.550	6.100	3.950	*8.250	5.700	*11.050	8.850				
1,5 m	kg	5.350	3.400	5.900	3.800	8.550	5.400	*13.200	8.250				
0,0 m	kg	5.550	3.500	5.900	3.700	8.350	5.200	*13.600	8.000				
-1,5 m	kg	6.200	3.900			8.300	5.150	13.600	8.000	*13.550	*13.550		
-3,0 m	kg	7.800	4.900			8.450	5.250	*13.200	8.150	*18.650	16.750	*16.400	*6.400
-4,5 m	kg	*9.750	7.850					*10.450	8.550				



A – Reach from swing center

B – Bucket hook height

C – Lifting capacities, including bucket linkage (200 kg) and bucket cylinder (140 kg)

– Rating over front

– Rating over side

– Rating at maximum reach

When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights

With 700 mm shoe

PC240LC-7 TWO-PIECE BOOM

With 700 mm shoe

3,5 m

730 kg
0,96 m³

6,0 m	kg	*2.350	*2.350	*4.900	4.200	*5.300	*5.300						
4,5 m	kg	*2.350	*2.350	*5.850	4.100	*6.400	6.100	*6.350	*6.350				
3,0 m	kg	*2.400	2.400	6.100	3.900	*8.400	5.700	*10.700	9.100	*16.350	*16.350		
1,5 m	kg	*2.600	2.300	5.850	3.700	8.450	5.300	13.200	8.250				
0,0 m	kg	*2.850	2.350	5.650	3.550	8.100	4.950	13.250	7.700	*6.650	*6.650		
-1,5 m	kg	*3.300	2.550	5.550	3.450	7.950	4.800	13.000	7.500	*9.350	*9.350		
-3,0 m	kg	*4.100	2.950	5.600	3.450	7.900	4.800	13.000	7.500	*13.350	*13.350	*16.400	*6.400
-4,5 m	kg												

With 700 mm shoe

3,0 m

730 kg
0,96 m³

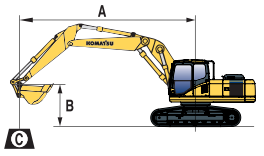
6,0 m	kg	*3.050	*3.050	*5.650	4.150	*6.150	*6.150	*5.650	*5.650				
4,5 m	kg	*3.000	2.800	6.250	4.050	*7.450	6.000	*7.650	*7.650	*7.500	*7.500		
3,0 m	kg	*3.050	2.550	6.050	3.900	8.850	5.650	*11.650	8.900				
1,5 m	kg	*3.200	2.500	5.850	3.700	8.400	5.250	13.750	8.150				
0,0 m	kg	*3.500	2.550	5.700	3.550	8.050	4.950	13.250	7.700				
-1,5 m	kg	*4.000	2.800	5.650	3.500	8.000	4.900	13.100	7.600	*8.650	*8.650		
-3,0 m	kg			5.700	3.550	7.950	4.850	13.200	7.700			*16.400	*6.400
-4,5 m	kg												

With 700 mm shoe

2,5 m

730 kg
0,96 m³

6,0 m	kg	*4.850	3.700	6.250	4.050	*7.500	6.150	*7.650	*7.650				
4,5 m	kg	*4.800	3.150	6.200	4.000	*8.350	*5.900	*10.150	9.500				
3,0 m	kg	4.550	2.900	6.000	3.850	8.700	5.550	*12.600	8.650				
1,5 m	kg	4.450	2.800	5.850	3.700	8.350	5.200	13.500	7.950				
0,0 m	kg	4.600	2.900	5.700	3.600	8.000	4.900	13.150	7.650				
-1,5 m	kg	5.050	3.150	5.700	3.550	8.050	4.950	13.100	7.600				
-3,0 m	kg					8.100	5.000						
-4,5 m	kg												



A – Reach from swing center

B – Bucket hook height

C – Lifting capacities, including bucket linkage (200 kg) and bucket cylinder (140 kg)

– Rating over front

– Rating over side

– Rating at maximum reach

When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights

With 700 mm shoe

* 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.

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

PC240NLC-7 MONO BOOM

With 600 mm shoe

3,5 m

730 kg
0,96 m³

6,0 m	kg	*2.350	*2.350	*4.050	3.800								
4,5 m	kg	*2.400	*2.400	*5.050	3.700	*5.200	*5.200						
3,0 m	kg	*2.550	*2.350	5.600	3.550	*6.550	5.200	*8.050	*8.050	*11.850	*11.850		
1,5 m	kg	*2.850	2.250	5.400	3.350	7.850	4.850	* 10.850	7.600	*10.850	*10.850		
0,0 m	kg	*3.300	2.300	5.200	3.150	7.500	4.550	12.150	7.050	*9.500	*9.500	*4.300	*4.300
-1,5 m	kg	*4.050	2.450	5.100	3.050	7.200	4.300	11.850	6.800	*11.850	*11.850	*7.350	*7.350
-3,0 m	kg	4.750	2.850	5.100	3.050	7.250	4.300	11.850	6.750	*15.650	*13.550	*10.600	*10.600
-4,5 m	kg	6.250	3.800			7.350	4.400	12.000	6.900	*19.350	13.900	*14.400	*14.400

With 600 mm shoe

3,0 m

730 kg
0,96 m³

6,0 m	kg	*3.000	*3.000	*4.450	3.750	*4.900	*4.900						
4,5 m	kg	*3.050	2.800	*5.550	3.700	*5.800	5.500						
3,0 m	kg	*3.200	2.550	5.600	3.550	*7.150	5.150	*9.050	8.200	*14.450	*14.450		
1,5 m	kg	*3.550	2.450	5.400	3.350	7.800	4.850	*11.700	7.500	*6.900	*6.900		
0,0 m	kg	*4.050	2.450	5.250	3.200	7.500	4.550	12.150	7.050	*8.100	*8.100		
-1,5 m	kg	*4.400	2.700	5.150	3.150	7.350	4.450	11.950	6.900	*11.650	*11.650	*7.350	*7.350
-3,0 m	kg	5.200	3.200			7.350	4.450	11.950	6.900	*16.750	13.800	*11.350	*11.350
-4,5 m	kg	7.100	4.350			7.500	4.600	12.200	7.100	*18.350	14.250		

With 600 mm shoe

2,5 m

730 kg
0,96 m³

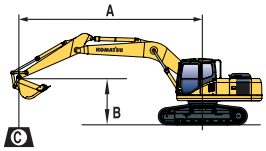
6,0 m	kg	*4.750	3.850			*5.650	5.600						
4,5 m	kg	*4.850	3.200	6.700	3.800	*6.500	5.400	*7.500	*7.500				
3,0 m	kg	4.600	2.850	5.550	3.500	*7.750	5.050	*10.150	8.000				
1,5 m	kg	4.450	2.750	5.350	3.350	7.700	4.750	*12.450	7.300				
0,0 m	kg	4.550	2.800	5.250	3.200	7.450	4.550	12.050	7.000				
-1,5 m	kg	5.050	3.100	5.200	3.200	7.350	4.450	11.950	6.900	*13.000	*13.000	*8.550	*8.550
-3,0 m	kg	6.100	3.750			7.400	4.500	12.050	7.000	*19.850	14.000	*13.900	*13.900
-4,5 m	kg	9.150	5.550					*11.700	7.250	*16.750	14.500		

With 600 mm shoe

2,0 m

730 kg
0,96 m³

6,0 m	kg	*4.850	4.250			*6.300	5.450						
4,5 m	kg	*4.950	3.450	5.600	3.550	*7.100	5.300	*8.400	*8.400	*12.000	*12.000		
3,0 m	kg	4.950	3.100	5.450	3.450	7.950	5.000	*11.050	7.750				
1,5 m	kg	4.800	2.950	5.350	3.300	7.650	4.700	12.250	7.150				
0,0 m	kg	4.950	3.050	5.250	3.200	7.450	4.500	11.950	6.900				
-1,5 m	kg	5.500	3.400			7.400	4.450	11.950	6.900	*13.550	*13.550		
-3,0 m	kg	6.950	4.250			7.500	4.550	12.150	7.050	*18.650	14.150		
-4,5 m	kg	*9.750	6.850					*10.450	7.450				



A – Reach from swing center

B – Bucket hook height

C – Lifting capacities, including bucket linkage (200 kg) and bucket cylinder (140 kg)

– Rating over front

– Rating over side

– Rating at maximum reach

When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights

With 600 mm shoe

PC240NLC-7 TWO-PIECE BOOM

With 600 mm shoe

3,5 m

730 kg
0,96 m³

6,0 m	kg	*2.350	*2.350	*4.900	3.750	*5.300	*5.300						
4,5 m	kg	*2.350	2.250	5.800	3.600	*6.400	5.400	*6.350	*6.350				
3,0 m	kg	*2.400	2.050	5.600	3.400	8.200	5.000	*10.700	8.050	*16.350	*16.350		
1,5 m	kg	*2.600	2.000	5.350	3.200	7.750	4.650	12.600	7.200				
0,0 m	kg	*2.850	2.000	5.200	3.050	7.400	4.300	11.950	6.650	*6.650	*6.650		
-1,5 m	kg	*3.300	2.150	5.100	2.950	7.250	4.150	11.700	6.450	*9.350	*9.350		
-3,0 m	kg	*4.100	2.550	5.100	2.950	7.200	4.150	11.750	6.500	*13.350	13.000		
-4,5 m	kg												

With 600 mm shoe

3,0 m

730 kg
0,96 m³

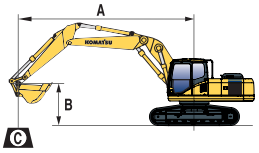
6,0 m	kg	*3.050	2.800	*5.650	3.650	*6.150	5.550	*5.650	*5.650				
4,5 m	kg	*3.000	2.400	5.750	3.550	*7.450	5.300	*7.600	*7.600	*7.400	*7.400		
3,0 m	kg	*3.050	2.200	5.550	3.400	8.100	4.950	*11.600	7.850				
1,5 m	kg	*3.200	2.150	5.400	3.250	7.700	4.600	12.450	7.100				
0,0 m	kg	*3.500	2.200	5.250	3.100	7.350	4.300	11.950	6.650				
-1,5 m	kg	*4.000	2.400	5.150	3.050	7.300	4.250	11.800	6.550	*8.600	*8.600		
-3,0 m	kg			5.200	3.100	7.250	4.200	11.900	6.650				
-4,5 m	kg												

With 600 mm shoe

2,5 m

730 kg
0,96 m³

6,0 m	kg	*4.850	3.250	5.750	3.600	*7.500	5.450	*7.650	*7.650				
4,5 m	kg	4.550	2.750	5.700	3.500	*8.350	5.200	*10.100	8.400				
3,0 m	kg	4.200	2.500	5.550	3.200	8.000	4.850	*12.600	7.600				
1,5 m	kg	4.100	2.450	5.350	3.200	7.650	4.550	12.200	6.900				
0,0 m	kg	4.200	2.500	5.250	3.100	7.300	4.250	11.850	6.660				
-1,5 m	kg	4.600	2.750	5.200	3.100	7.350	4.300	11.800	6.600				
-3,0 m	kg					7.400	4.350						
-4,5 m	kg												



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When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights

With 600 mm shoe

* 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.

PC240-7

HYDRAULIC EXCAVATOR

STANDARD EQUIPMENT

- Komatsu SAA6D102E-2 125 kW direct injection emissionised Stage II intercooled turbocharged engine
- Double element type air cleaner with dust indicator and auto-dust evacuator
- Suction type cooling fan with radiator fly screen
- Automatic fuel line de-aeration
- Engine key stop
- Alternator 24 V/60 A
- Batteries 2 × 12 V/95 Ah
- Starter motor 24 V/5,5 kW
- Electronic closed-centre load sensing (E-CLSS) hydraulic system (HydrauMind)
- Pump and engine mutual control (PEMC) system
- Multi-function colour monitor with equipment management monitoring system (EMMS)
- 4-working mode selection system; Active mode, economy mode, breaker mode and lifting mode
- Standard counterweight
- PowerMax function
- Auto-deceleration function
- Automatic engine warm-up system
- Engine overheat prevention system
- Fuel control dial
- Adjustable PPC wrist control levers with 3 button controls for arm, boom, bucket and swing
- PPC control levers and pedals for steering and travel
- One additional 2-way proportional service valve (full flow)
- Hydrostatic, 3-speed travel system with automatic shift and planetary gear type final drives, and hydraulic travel and parking brakes
- SpaceCab™; Highly pressurised and tightly sealed viscous mounted cab with tinted safety glass windows, opening roof hatch with window pull-up type front window with locking device, removable lower window, front window wiper with intermittent feature, ashtray, luggage box, floor mat
- Track roller guards
- Parts book and operator manual
- Lockable fuel cap and covers
- Remote greasing for swing circle and pins
- Fuel supply pump
- Track frame under-guards
- 12 Volt power supply
- Overload warning device
- Boom safety valves
- Climate control/Air conditioning
- Large handrails and rear-view mirrors
- Cigarette lighter
- Radio cassette preparation
- Beverage holder and magazine rack
- Electric horn
- Hot and cool box
- Toolkit and spare parts for first service
- Lights; 2 revolving frame lights and 1 boom light
- Suspension seat with adjustable arm rests and retractable seat belt
- Engine ignition can be password secured on request
- Standard colour scheme and decals

OPTIONAL EQUIPMENT

- LC and NLC undercarriages
- 600, 700, 800, 900 mm triple grouser track-shoes
- Mono boom / Two-piece boom
- 2,0 m, 2,5 m, 3,0 m, 3,5 m arms
- Automatic greasing system
- Additional hydraulic circuits
- OPG Level II top guard (FOPS)
- OPG Level II front guard (FOPS)
- Heated air suspension seat
- Full length track roller guards
- Radio cassette
- Service points
- Bio oil
- Additional cab roof lights + beacon preparation
- Rain visor
- Komatsu buckets
- Arm safety valve

KOMATSU®

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