KOMATSU

PC
240

Hydraulic Excavator

PC240LC/NLC-10

ENGINE POWER
141 kW / 189 HP @ 2.000 rpm

OPERATING WEIGHT
PC240LC-10: 25.200 - 27.430 kg
PC240NLC-10: 24.600 - 26.530 kg

BUCKET CAPACITY
max. 1,89 m^3

Walk-Around

Built around the EU Stage IIIB engine platform, Komatsu's latest generation of excavators continues a long tradition of uncompromising quality and total customer support, while renewing a commitment to safety and environmental protection. Increased net horsepower, lower fuel consumption and emissions, and the advanced electronic control system that manages airflow rate, fuel injection and combustion parameters to optimize performance and further reduce particulate matter and nitrogen oxides in the exhaust: you can trust "Dash 10" machines to keep their promises of excellence.

Powerful and environmentally friendly

- Low consumption EU Stage IIIB
- Fuel-saving engine and hydraulic technology
- Adjustable Eco-gauge and idle caution
- Reduced wastage

KOMATSU CARE™

A maintenance program for Komatsu customers

KOMTRAX

Komatsu Wireless Monitoring System

Total versatility

- Ideal for a wide range of applications
- 6 working modes
- Wide choice of options
- Built-in versatility
- Ultimate operator control

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PC240LC-10: 25.200 - 27.430 kg
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BUCKET CAPACITY
max. 1,89 m³

First-class operator comfort

- Fully air suspended operator station
- Low noise design
- Low vibration levels
- Large, widescreen hi-res display monitor
- Improved operator convenience

Highest safety standards

- Safe SpaceCab™
  ROPS compliant with ISO 12117-2:2008
- Low profile rear view camera
- Optimal jobsite safety
- Safe access, easy maintenance
- Falling Object Protection System (FOPS) optional

Quality you can rely on

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

Total Versatility

Ideal for a wide range of applications

Powerful and precise, the Komatsu PC240-10 is equipped to efficiently carry out any task your business requires. On big sites or small, for digging, trenching, landscaping or site preparation, the Komatsu original equipment hydraulic system always ensures maximum productivity and control.

6 working modes

Power, Lifting, Breaker, Economy, Attachment Power and Attachment Economy modes are all available, ensuring that the PC240-10 delivers the power you need with minimised fuel usage. The Economy mode can be adjusted for an ideal balance between power and economy to match your work. The oil flow delivered to hydraulic attachments is adjustable directly on the class-leading wide screen monitor panel.

Built-in versatility

A standard fit additional hydraulic circuit, controlled by a sliding joystick push button and a floor mounted pedal, gives the PC240-10 excellent versatility. Ten attachment memory settings are provided, with individually definable names. In combination with the standard-fit hydraulic quick coupler power circuit, changing working style is now even simpler. A second auxiliary hydraulic line is available for attachments which require extra hydraulic actuation.

A wide choice of options

With a choice of arms and undercarriages, you can configure the PC240-10 to match specific demands for transport, working envelope or duty. Extra hydraulic arrangements are available for every boom and arm configuration, making sure that the machine always contributes strongly to your business.

Ultimate operator control

The PC240-10 comes with a “Topcon ready” option for 3D machine guidance systems. Topcon’s latest technology for precise positioning and machine control, with its easy-to-use GX60 touch screen monitor, reduces work time and enhances job safety. It allows millimetre accuracy when digging or grading and puts the operator in total control of the excavation task.


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Powerful and Environmentally Friendly

New Komatsu engine technology

The powerful and fuel-efficient Komatsu SAA6D107E-2 engine in the PC240-10 delivers 141 kW/189 HP and is EU Stage IIIB certified. To maximise power, fuel efficiency and emission compliance, it is turbo charged and features direct fuel injection, air-to-air after cooling and cooled EGR.

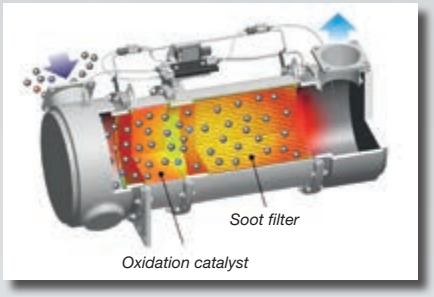
Fuel-saving engine and hydraulic technology

The PC240-10 features variable speed matching of the engine and hydraulic pump, and an automatic low idle. The new engine and pump control technology lower total fuel consumption and guarantee efficiency and precision during single and combined movements.

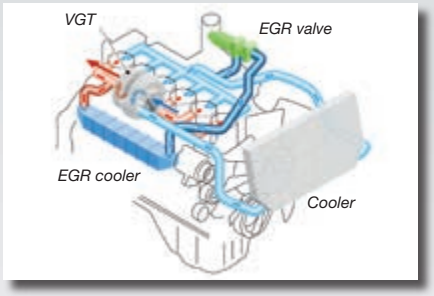
Adjustable Eco-gauge and idle caution

The new Eco-gauge can be set to target a fuel consumption value, encouraging the operator to work as efficiently as possible. And to further avoid wasting fuel when the machine is not actually working, a standard-fit idle caution is displayed if the engine idles for 5 minutes or more.

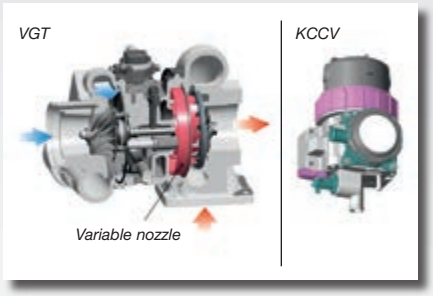
Komatsu Diesel Particulate Filter (KDPF)
Komatsu's high efficiency DPF captures more than 90% of particulate matter. It includes a special oxidation catalyst with fuel injection system that can incinerate trapped particulates by either active or passive regeneration with no need to interrupt machine operations.



Exhaust Gas Recirculation (EGR)
Cooled EGR is a technology well-proven in current Komatsu engines. The increased capacity of the EGR cooler now ensures very low NOx emissions and a better engine performance.

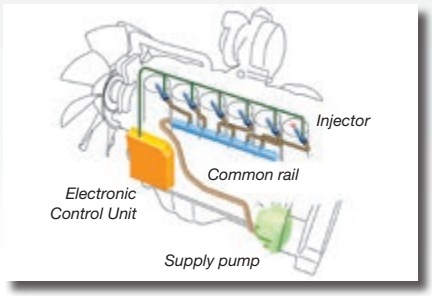


Variable Geometry Turbo (VGT)
The VGT provides optimal air flow to the engine combustion chamber under all speed and load conditions. Exhaust gas is cleaner, fuel economy is improved while machine power and performance are maintained.



Komatsu Closed Crankcase Ventilation (KCCV)
Crankcase emissions (blow-by gas) are passed through a CCV filter. The oil mist trapped in the filter is returned back to the crankcase while the filtered gas is returned to the air intake.

High-Pressure Common Rail (HPCR)
To achieve complete fuel burn and lower exhaust emissions, the heavy duty High-Pressure Common Rail fuel injection system is computer controlled to deliver a precise quantity of pressurised fuel into the redesigned engine combustion chamber by multiple injections.



Reduced wastage

Standard equipment on all PC240-10 includes an electric fuel pump, simple to operate and with an automatic shut-off. To further increase the system's safety, a barrier and special foams help to avoid any spilt fuel flowing towards hot areas of the machine.

First-Class Operator Comfort

Newly designed, spacious cab

The wide spacious cab features a new, fully air suspended operator control station that incorporates the side consoles mounted together with a high back, fully adjustable seat, heated for improved comfort.

Improved operator convenience

With increased in-cab storage space, an auxiliary input (MP3 jack) and 12 V and 24 V power supply, the cab offers maximum convenience. The automatic air conditioner allows the operator to easily and precisely set the cab's atmosphere.

Low noise design

Komatsu Dash 10 crawler excavators have very low external noise levels and are especially well-suited for work in confined spaces or urban areas. Reduced fan speed, a large capacity radiator, and the optimal usage of sound insulation and of sound absorbing materials help to make noise levels inside Dash 10 excavators comparable to those inside an executive car.

Cab damper mounting

The built-in stability of the Komatsu PC240-10, combined with a highly rigid deck and a sprung multi-layer viscous mount system, drastically reduces vibration levels for the operator.

Automatic air conditioner

Hot and cool box

Joysticks with proportional control button for attachments

Large, widescreen hi-res display monitor

To enable safe, accurate and smooth work, the user friendly monitor is the highly intuitive user interface for the machine's Equipment Management and Monitoring System (EMMS). Easily customized and with a choice of 25 languages, it features simple switches and multifunction keys that provide the operator with fingertip access to a wide range of functions and operating information.

Highest Safety Standards

Safe SpaceCab™

The new cab is ROPS compliant with ISO 12117-2:2008. It has a tubular steel frame and provides very high shock absorbency, impact resistance and durability. The seat belt is designed to keep the operator in the safety zone of the cab in the event of a roll-over. Optionally it can be fitted with an ISO 10262 Level 2 Falling Object Protective System (FOPS) with openable front guard.

Safe and easy maintenance

Thermal guards are placed around high temperature parts of the engine. The fan belt and pulleys are well protected and in case of damage, fire risk is reduced by a pump/engine partition that prevents hydraulic oil from spraying onto the engine. The engine hood is hinged to the rear, with anti-slip plates positioned around the engine bay to ensure safe and easy access from all sides. Exceptionally sturdy handrails further contribute to a high safety level.

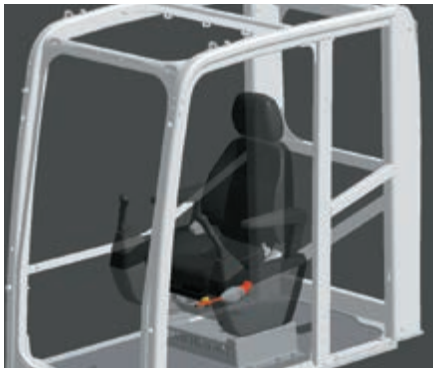
Optimal job site safety

Safety features on the Komatsu PC240-10 comply with the latest industry standards and work together as a system to minimise risks to personnel in and around the machine. An audible travel alarm further promotes job site safety. Highly durable anti-slip plates – with additional high friction covering – maintain long term traction performance.

Rear view camera

A standard fitment camera gives an exceptionally clear view of the rear work zone on the wide-screen monitor panel. The low profile camera is adjustable and integrated into the counterweight's shape.

Low profile rear view camera



Safe SpaceCab™

Large handrails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Quality You Can Rely On

Reliable and efficient

Productivity is the key to success – all major components of the PC240-10 are designed and directly manufactured by Komatsu. Essential machine functions are perfectly matched for a highly reliable and productive machine.

Rugged design

Maximum toughness and durability – along with top class customer service – are the cornerstones of Komatsu's philosophy. Single piece plates and castings are used in key areas of the machine's structure for good load distribution. Highly durable rubbing strips on the underside of the arm protect the structure from material falling from the bucket.

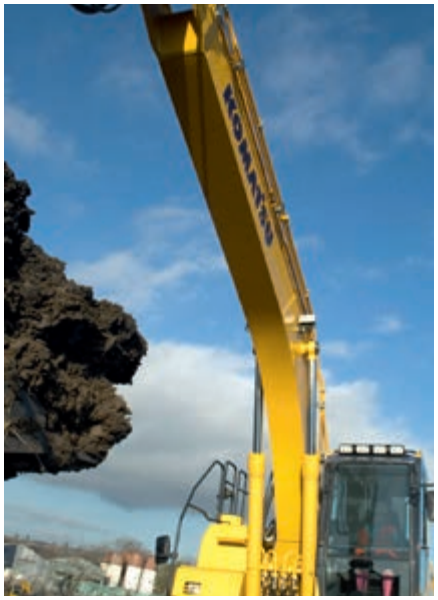
Komatsu-quality components

With the latest computer design techniques and a thorough test programme, Komatsu's global know-how produces machines that are designed, manufactured and tested to meet your highest standards.

Extensive dealer support network

The extensive Komatsu distribution and dealer network is standing by to help keep your fleet in optimum condition. Customised servicing packages are available, with express availability of spare parts, to make sure that your Komatsu will continue to perform at its peak.

Cast boom foot



Single piece boom plates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Komatsu Wireless Monitoring System

The easy way to higher productivity

KOMTRAX™ is the latest in wireless monitoring technology. It delivers insightful and cost saving information about your fleet and equipment and offers you a wealth of information to facilitate peak machine performance. By creating a tightly integrated web of support it allows pro active and preventive maintenance and helps you to efficiently run a business.

Knowledge

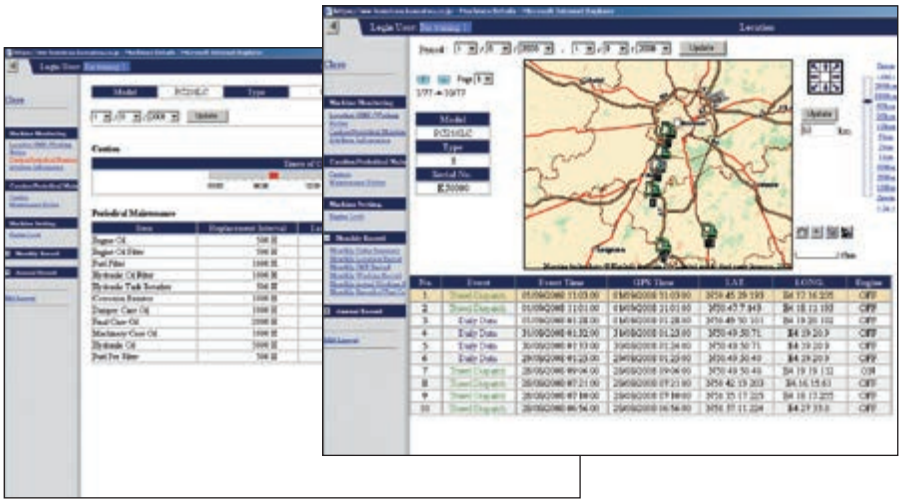
You get quick answers to basic and critical questions about your machines - what they're doing, when they did it, where they're located, how they can be used more efficiently, and when they need to be serviced. Performance data is relayed by satellite from your machine to your computer and to your local Komatsu distributor - who's readily available for expert analysis and feedback.

Convenience

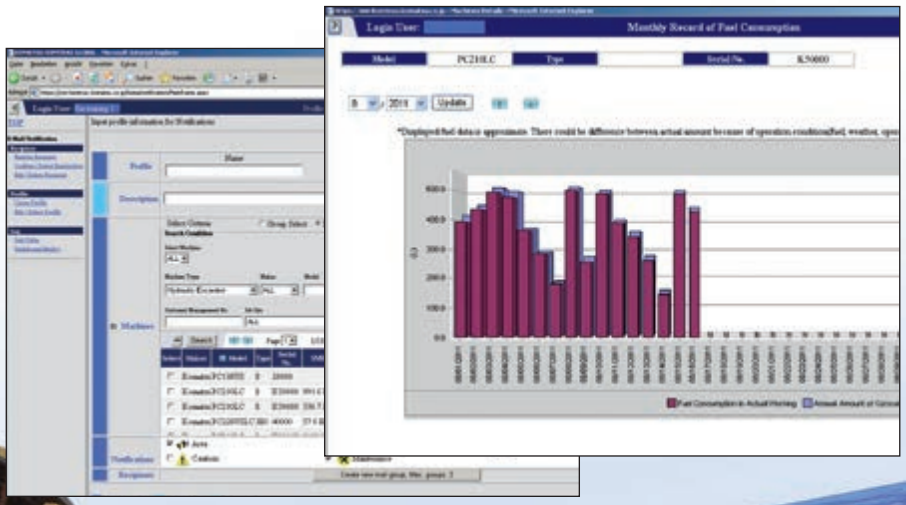
KOMTRAX™ helps to conveniently manage your fleet on the web, wherever you are. Data is analysed and packaged specifically for easy and intuitive viewing in maps, lists, graphs and charts. You can anticipate the type of service and parts your machines could require, or troubleshoot problems before Komatsu technicians arrive on site.

Power

The detailed information that KOMTRAX™ puts at your fingertips 24 hours a day, 7 days a week gives you the power to make better daily and long-term strategic decisions. You can anticipate problems, customize maintenance schedules, minimize downtime and keep your machines where they belong – working on the job site.



Through the web application, a variety of search parameters are available to quickly find information about specific machines based on key factors such as utilization rates, age, various notification messages, and more.



A simple chart shows the machine's fuel consumption and helps you to calculate total costs for a job site and conveniently schedule fuel deliveries.

Easy Maintenance

Easy cleaning of coolers

Hinged air conditioning cooler and side-by-side radiator and oil cooler allow easy access for cleaning.

Quick access to filters and fuel drain valve

The engine oil filter, the fuel filters and the fuel drain valve are mounted remotely to make them accessible from ground level.

Diesel particulate filter regeneration

Soot trapped in the diesel particulate filter is periodically and automatically oxidized using the heat from the engine exhaust.

KOMATSU CARE™

Komatsu CARE™ is a maintenance program that comes as standard with your new Komatsu machine. It covers factory-scheduled maintenance, performed with Komatsu Genuine parts by Komatsu-trained technicians. Depending on your machine's engine, it also offers extended coverage of the Komatsu Diesel Particulate Filter (KDPF) or the Komatsu Diesel Oxidation Catalyst (KDOC), and of the Selective Catalytic Reduction (SCR). Please contact your local Komatsu distributor for terms and conditions.

Water separator

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

Long-life oil filters

The hydraulic oil filter uses high-performance filtering material for long element replacement intervals, which significantly reduces maintenance costs.

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 .....141 kW/189 HP
ISO 9249 (net engine power) .....132 kW/177 HP
No. of cylinders 6
Bore × stroke .....107 × 124 mm
Displacement.....6,69 ltr
Battery .....2 × 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 × 237,5 ltr/min
Relief valve settings
Implement .....380 kg/cm²
Travel.....380 kg/cm²
Swing .....295 kg/cm²
Pilot circuit .....33 kg/cm²

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

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
Swing torque ..... 77 kNm
Max. pressure.....295 kg/cm²

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.....20.570 kg
Brake system..... Hydraulically operated discs in each travel motor

SERVICE REFILL CAPACITIES

Fuel tank.....400 ltr
Radiator.....36,0 ltr
Engine oil.....23,1 ltr
Swing drive.....7,2 ltr
Hydraulic tank .....132 ltr
Final drive (each side).....5,0 ltr

ENVIRONMENT

Engine emissions .....Fully complies with EU Stage IIIB exhaust emission regulations
Noise levels
LwA external .....103 dB(A) (2000/14/EC Stage II)
LpA operator ear.....70 dB(A) (ISO 6396 dynamic test)
Vibration levels (EN 12096:1997)
Hand/arm..... ≤ 2,5 m/s² (uncertainty K = 0,53 m/s²)
Body ..... ≤ 0,5 m/s² (uncertainty K = 0,28 m/s²)
Contains fluorinated greenhouse gas HFC-134a (GWP 1430).
Quantity of gas 0,9 kg, CO_2 equivalent 1,29 t

OPERATING WEIGHT (APPR.)

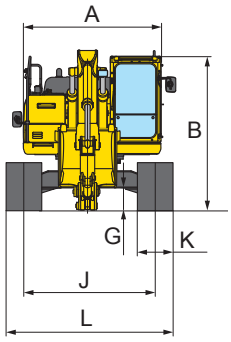
	MONO BOOM				TWO-PIECE BOOM			
	PC240LC-10		**PC240NLC-10**		**PC240LC-10**		**PC240NLC-10**	
Triple grouser shoes	Operating weight	Ground pressure	Operating weight	Ground pressure	Operating weight	Ground pressure	Operating weight	Ground pressure
600 mm	25.200 kg	0,51 kg/cm²	24.600 kg	0,52 kg/cm²	26.530 kg	0,54 kg/cm²	25.930 kg	0,55 kg/cm²
700 mm	25.500 kg	0,44 kg/cm²	24.900 kg	0,45 kg/cm²	26.830 kg	0,46 kg/cm²	26.230 kg	0,47 kg/cm²
800 mm	25.800 kg	0,39 kg/cm²	25.200 kg	0,40 kg/cm²	27.130 kg	0,41 kg/cm²	26.530 kg	0,42 kg/cm²
900 mm	26.100 kg	0,35 kg/cm²	–	–	27.430 kg	0,37 kg/cm²	–	–

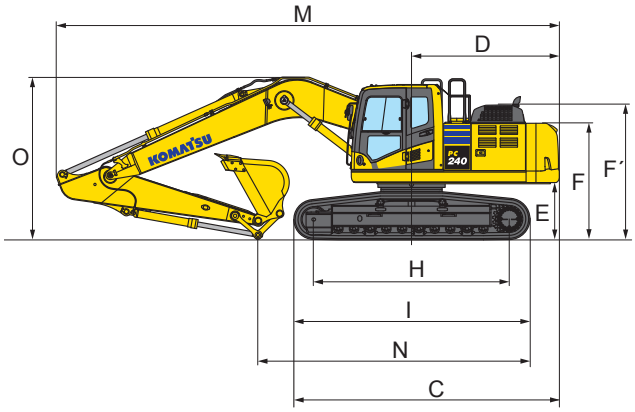
Operating weight, including specified work equipment, 3,0 m arm, 1,0 m³ bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.

Dimensions & Performance Figures

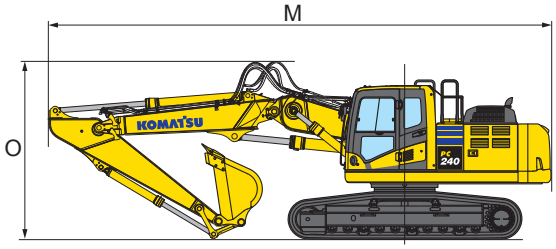
MACHINE DIMENSIONS		PC240LC-10	PC240NLC-10
A	Overall width of upper structure	2.850 mm	2.850 mm
B	Overall height of cab	3.055 mm	3.055 mm
C	Overall length of basic machine	5.255 mm	5.130 mm
D	Tail length	2.905 mm	2.905 mm
	Tail swing radius	2.940 mm	2.940 mm
E	Clearance under counterweight	1.100 mm	1.100 mm
F	Machine tail height	2.265 mm	2.265 mm
F`	Machine tail height (top of engine cover)	2.600 mm	2.600 mm
G	Ground clearance	440 mm	440 mm
H	Tumbler centre distance	3.845 mm	3.655 mm
I	Track length	4.640 mm	4.450 mm
J	Track gauge	2.590 mm	2.390 mm
K	Track shoe width	600, 700, 800, 900 mm	600, 700, 800 mm
L	Overall track width with 600 mm shoes	3.190 mm	2.990 mm
	Overall track width with 700 mm shoes	3.290 mm	3.090 mm
	Overall track width with 800 mm shoes	3.390 mm	3.190 mm
	Overall track width with 900 mm shoes	3.490 mm	–

MONO BOOM





TWO-PIECE BOOM



TRANSPORT DIMENSIONS		MONO BOOM				TWO-PIECE BOOM			
	Arm length	2,0 m	2,5 m	3,0 m	3,5 m	2,0 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	n/a	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	n/a	6.795 mm	6.170 mm	5.895 mm
	Length on ground (transport) PC240NLC	6.460 mm	6.020 mm	5.260 mm	4.860 mm	n/a	6.700 mm	6.700 mm	5.800 mm
O	Overall height (to top of boom) (to top of hose)	3.220 mm	3.295 mm	3.160 mm	3.270 mm	n/a	3.445 mm	3.540 mm	3.680 mm

PC240LC-10 / MAX. BUCKET CAPACITY AND WEIGHT

	MONO BOOM			
Arm length	2,0 m	2,5 m	3,0 m	3,5 m
Material weight up to 1,2 t/m³	1,89 m³ 1.300 kg	1,89 m³ 1.300 kg	1,89 m³ 1.300 kg	1,82 m³ 1.250 kg
Material weight up to 1,5 t/m³	1,89 m³ 1.300 kg	1,82 m³ 1.250 kg	1,64 m³ 1.175 kg	1,54 m³ 1.125 kg
Material weight up to 1,8 t/m³	1,67 m³ 1.175 kg	1,58 m³ 1.125 kg	1,40 m³ 1.075 kg	1,33 m³ 1.025 kg

PC240NLC-10 / MAX. BUCKET CAPACITY AND WEIGHT

	MONO BOOM			
Arm length	2,0 m	2,5 m	3,0 m	3,5 m
Material weight up to 1,2 t/m³	1,89 m³ 1.300 kg	1,89 m³ 1.300 kg	1,70 m³ 1.200 kg	1,58 m³ 1.125 kg
Material weight up to 1,5 t/m³	1,70 m³ 1.200 kg	1,59 m³ 1.150 kg	1,44 m³ 1.075 kg	1,34 m³ 1.025 kg
Material weight up to 1,8 t/m³	1,47 m³ 1.075 kg	1,38 m³ 1.050 kg	1,20 m³ 975 kg	1,16 m³ 950 kg

PC240LC-10 / MAX. BUCKET CAPACITY AND WEIGHT

	TWO-PIECE BOOM			
Arm length	2,0 m	2,5 m	3,0 m	3,5 m
Material weight up to 1,2 t/m³	2,28 m³ 1.460 kg	2,16 m³ 1.405 kg	1,95 m³ 1.310 kg	1,83 m³ 1.255 kg
Material weight up to 1,5 t/m³	1,93 m³ 1.300 kg	1,83 m³ 1.255 kg	1,65 m³ 1.175 kg	1,55 m³ 1.130 kg
Material weight up to 1,8 t/m³	1,67 m³ 1.190 kg	1,58 m³ 1.150 kg	1,43 m³ 1.080 kg	1,34 m³ 1.040 kg

PC240NLC-10 / MAX. BUCKET CAPACITY AND WEIGHT

	TWO-PIECE BOOM			
Arm length	2,0 m	2,5 m	3,0 m	3,5 m
Material weight up to 1,2 t/m³	2,10 m³ 1.380 kg	1,95 m³ 1.310 kg	1,74 m³ 1.215 kg	1,65 m³ 1.175 kg
Material weight up to 1,5 t/m³	1,78 m³ 1.235 kg	1,65 m³ 1.175 kg	1,47 m³ 1.095 kg	1,39 m³ 1.060 kg
Material weight up to 1,8 t/m³	1,54 m³ 1.130 kg	1,43 m³ 1.080 kg	1,27 m³ 1.010 kg	1,21 m³ 980 kg

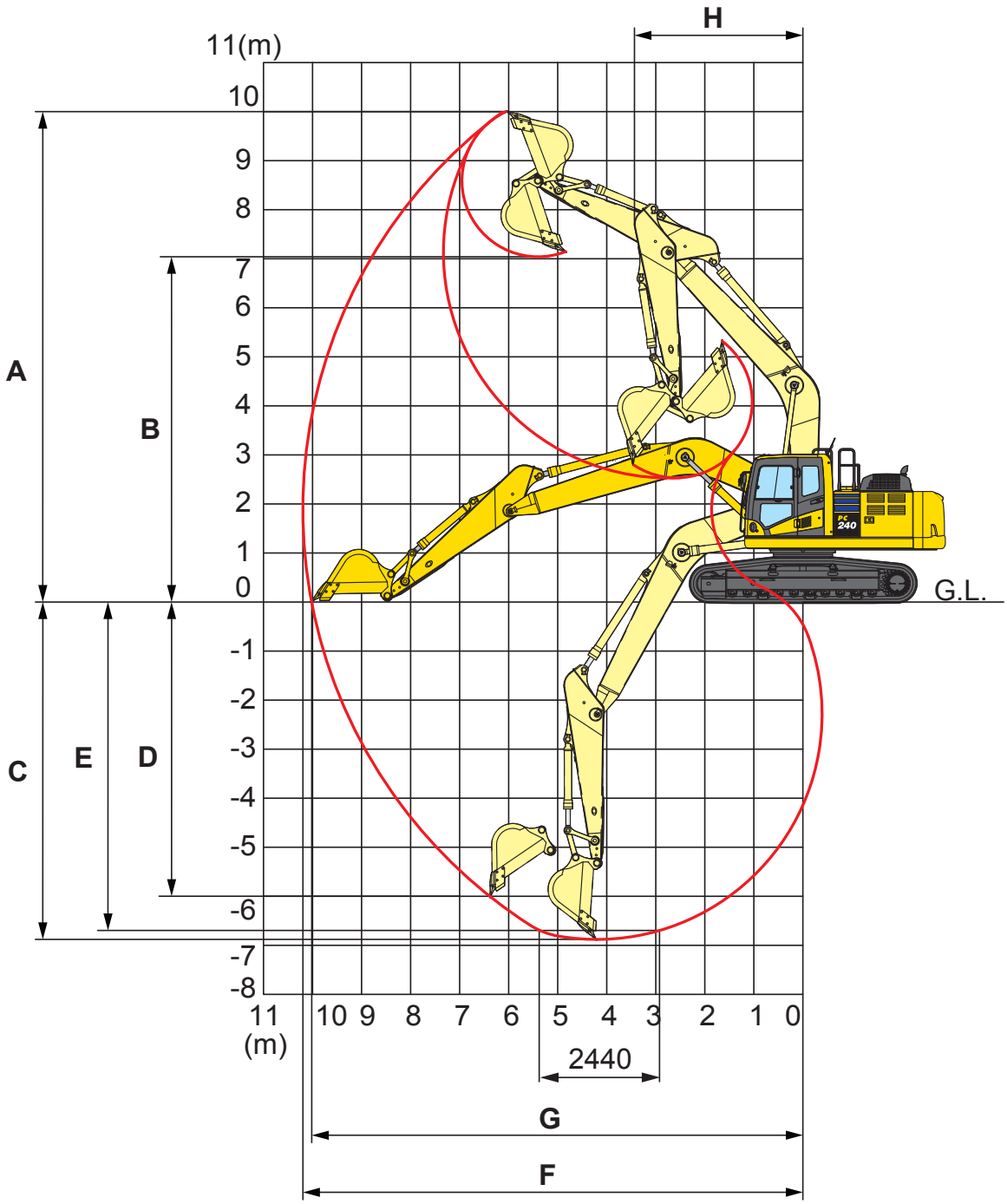
Max. capacity and weight have been calculated according to ISO 10567:2007.
Please consult with your distributor for the correct selection of buckets and attachments to suit the application.

BUCKET AND ARM FORCE

Arm length	2,0 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 PowerMax	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 PowerMax	16.400 kg	15.100 kg	13.200 kg	11.200 kg

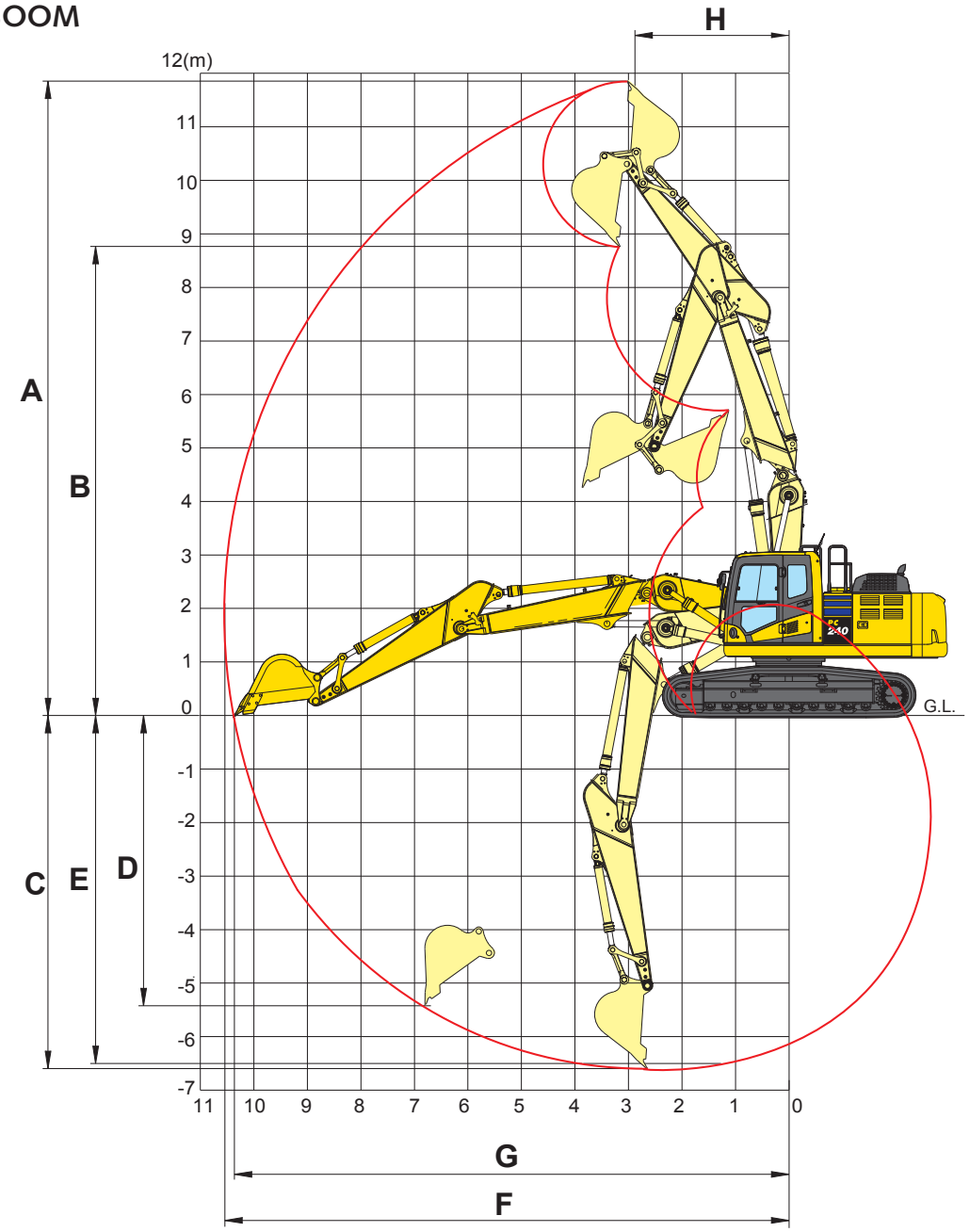
Working Range

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

TWO-PIECE BOOM

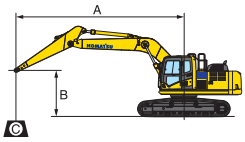


ARM LENGTH		2,0 m	2,5 m	3,0 m	3,5 m
A	Max. digging height	11.030 mm	11.360 mm	11.855 mm	12.180 mm
B	Max. dumping height	7.940 mm	8.265 mm	8.745 mm	9.245 mm
C	Max. digging depth	5.580 mm	6.130 mm	6.600 mm	7.035 mm
D	Max. vertical wall digging depth	4.430 mm	4.800 mm	5.430 mm	5.765 mm
E	Max. digging depth of cut for 2,44 m level	5.475 mm	6.030 mm	6.505 mm	6.950 mm
F	Max. digging reach	9.565 mm	10.000 mm	10.550 mm	10.965 mm
G	Max. digging reach at ground level	9.665 mm	9.885 mm	10.380 mm	10.790 mm
H	Min. swing radius	2.500 mm	2.945 mm	2.875 mm	3.005 mm

Lifting Capacity

PC240LC-10 MONO BOOM

Arm length	A / B		9,0 m		7,5 m		6,0 m		4,5 m		3,0 m	
3,5 m	7,5 m	kg	*4.010	*4.010								
	6,0 m	kg	*3.850	*3.850			*5.500	5.060	*5.700	*5.700		
	4,5 m	kg	*3.840	*3.840			*6.350	4.960	*6.600	*6.600		
	3,0 m	kg	*3.970	3.660			*7.020	4.800	*7.910	6.640	*9.810	*9.810	*15.180	*15.180
	1,5 m	kg	*4.230	3.550	*4.400	3.560	6.830	4.620	*9.300	6.290	*12.480	9.420		
	0,0 m	kg	*4.690	3.590			6.670	4.470	9.250	6.030	*14.260	8.970	*8.490	*8.490
	- 1,5 m	kg	*5.470	3.830			6.590	4.390	9.090	5.890	14.480	8.800	*12.120	*12.120
	- 3,0 m	kg	6.540	4.370			6.610	4.420	9.080	5.880	14.490	8.810	*17.370	17.320
	- 4,5 m	kg	8.580	5.640					9.250	6.020	*13.390	9.000	*19.100	17.730
3,0 m	7,5 m	kg	*4.640	*4.640					*6.160	*6.160				
	6,0 m	kg	*4.420	*4.420			*4.950	*4.950	*6.290	*6.290				
	4,5 m	kg	*4.400	4.200			*6.790	4.890	*7.150	6.870	*8.050	*8.050		
	3,0 m	kg	*4.550	3.880			6.970	4.740	*8.420	6.550	*10.720	9.950		
	1,5 m	kg	*4.870	3.760			6.800	4.590	9.480	6.230	*13.210	9.300		
	0,0 m	kg	*5.430	3.830			6.660	4.460	9.220	6.010	14.650	8.940	*7.350	*7.350
	- 1,5 m	kg	6.130	4.120			6.610	4.420	9.110	5.910	14.520	8.830	*12.480	*12.480
	- 3,0 m	kg	7.210	4.800					9.140	5.940	*14.530	8.900	*19.150	17.550
	- 4,5 m	kg	*9.570	6.510							*12.640	9.140	*17.790	*17.790
2,5 m	7,5 m	kg	*6.950	*6.950										
	6,0 m	kg	*6.590	5.470					*7.030	6.990				
	4,5 m	kg	*6.590	4.650			7.060	4.830	*7.820	6.780	*9.120	*9.120		
	3,0 m	kg	6.240	4.250			6.930	4.710	*9.020	6.470	*11.780	9.740		
	1,5 m	kg	6.070	4.120			6.790	4.580	9.430	6.190	*14.000	9.180		
	0,0 m	kg	6.240	4.210			6.690	4.490	9.220	6.020	14.620	8.930		
	- 1,5 m	kg	6.870	4.600					9.160	5.960	14.590	8.900	*13.530	*13.530
	- 3,0 m	kg	8.380	5.540					9.260	6.040	*14.080	9.030	*19.640	17.830
	- 4,5 m	kg	*10.260	8.290							*11.360	9.360		
2,0 m	7,5 m	kg	*7.530	*7.350										
	6,0 m	kg	*7.000	6.060					*7.780	6.930	*8.150	*8.150		
	4,5 m	kg	*6.950	5.060					*8.460	6.750	*10.120	*10.120		
	3,0 m	kg	6.750	4.610			6.950	4.740	*9.590	6.470	*12.790	9.630		
	1,5 m	kg	6.570	4.470			6.830	4.630	9.450	6.230	*14.710	9.170		
	0,0 m	kg	6.800	4.600					9.300	6.090	14.720	9.030		
	- 1,5 m	kg	7.600	5.090					9.280	6.080	14.750	9.060	*13.790	*13.790
	- 3,0 m	kg	9.640	6.340							*13.580	9.230	*18.310	18.210
	- 4,5 m	kg												



A – Reach from swing center

B – Bucket hook height

C – Lifting capacities

– Rating over front

– Rating over side

– Rating at maximum reach

With 700 mm shoes

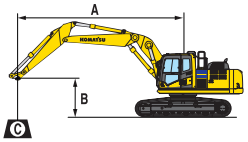
Weights:

With 2,0 and 2,5 m arm: bucket linkage and bucket cylinder: 390 kg

With 3,0 and 3,5 m arm: bucket linkage and bucket cylinder: 363 kg

PC240LC-10 TWO-PIECE BOOM

Arm length	A / B		7,5 m		6,0 m		4,5 m		3,0 m	
3,5 m	6,0 m	kg	*3.100	3.050	*4.950	4.200	*5.000	*5.000		
	4,5 m	kg	*3.100	2.600	*5.500	4.050	*5.800	*5.800	*5.400	*5.400		
	3,0 m	kg	*3.200	2.350	*6.100	3.800	*7.300	5.650	*9.700	9.200		
	1,5 m	kg	*3.400	2.250	*5.850	3.500	8.450	5.200	*11.950	8.200		
	0,0 m	kg	3.800	2.300	5.650	3.350	8.150	4.850	*13.100	7.550		
	- 1,5 m	kg	4.200	2.400	5.500	3.250	7.950	4.650	13.100	7.350	*7.100	*7.100
	- 3,0 m	kg	4.800	2.900	5.500	3.300	7.900	4.600	*12.600	7.400		
3,0 m	6,0 m	kg	*3.600	3.300	*5.500	4.100	*5.800	*5.800	*5.300	*5.300		
	4,5 m	kg	*3.600	2.800	*5.850	3.950	*6.600	5.950	*7.100	*7.100	*7.950	*7.950
	3,0 m	kg	*3.700	2.550	6.000	3.700	*7.700	5.500	*10.500	8.900		
	1,5 m	kg	*3.950	2.400	5.750	3.500	8.400	5.100	*12.550	8.000		
	0,0 m	kg	4.200	2.450	5.600	3.350	8.100	4.800	13.150	7.500		
	- 1,5 m	kg	4.550	2.700	5.550	3.250	7.950	4.650	*13.150	7.400	*6.850	*6.850
	- 3,0 m	kg	5.350	3.200	5.650	3.350	8.000	4.700	*12.300	7.500		
2,5 m	6,0 m	kg	*5.500	3.900	*6.100	4.000	*6.400	6.150	*7.150	*7.150		
	4,5 m	kg	5.200	3.200	6.200	3.900	*7.150	5.800	*9.000	*9.000		
	3,0 m	kg	4.750	2.900	5.950	3.700	*8.250	5.400	*10.900	8.600		
	1,5 m	kg	4.600	2.750	5.750	3.500	8.350	5.050	*12.700	7.800		
	0,0 m	kg	4.750	2.850	5.650	3.400	8.050	4.750	*13.250	7.500		
	- 1,5 m	kg	5.200	3.150	5.650	3.350	8.000	4.700	*13.000	7.500		
	- 3,0 m	kg					8.100	4.800				
2,0 m	6,0 m	kg	*5.850	4.350			*7.000	6.050	*8.000	*8.000	*7.450	*7.450
	4,5 m	kg	5.700	3.550	6.150	3.850	*7.700	5.700	*9.900	9.350		
	3,0 m	kg	5.150	3.150	5.950	3.650	8.600	5.350	*11.700	8.350		
	1,5 m	kg	5.000	3.050	5.800	3.500	8.300	5.000	*10.150	7.700		
	0,0 m	kg	5.200	3.150	5.700	3.450	8.100	4.850	*12.350	7.550		
	- 1,5 m	kg	5.800	3.500	5.750	3.500	8.100	4.800	*12.650	7.700		
	- 3,0 m	kg										



A – Reach from swing center

B – Bucket hook height

C – Lifting capacities

– Rating over front

– Rating over side

– Rating at maximum reach

With 700 mm shoes

Weights:

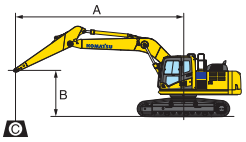
With 2,0 and 2,5 m arm: bucket linkage and bucket cylinder: 390 kg

With 3,0 and 3,5 m arm: bucket linkage and bucket cylinder: 363 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.

PC240NLC-10 MONO BOOM

Arm length	A / B		9,0 m		7,5 m		6,0 m		4,5 m		3,0 m	
3,5 m	7,5 m	kg	*4.010	*4.010								
	6,0 m	kg	*3.850	*3.850			*5.500	4.520	*5.700	*5.700		
	4,5 m	kg	*3.840	3.500			*6.350	4.420	*6.600	6.230		
	3,0 m	kg	*3.970	3.240			6.340	4.260	*7.910	5.890	*9.810	8.950	*15.180	*15.180
	1,5 m	kg	*4.230	3.130	*4.400	3.140	6.150	4.080	8.550	5.550	*12.480	8.240		
	0,0 m	kg	*4.690	3.160			5.990	3.940	8.260	5.290	12.960	7.800	*8.490	*8.490
	- 1,5 m	kg	5.100	3.370			5.900	3.860	8.110	5.160	12.750	7.630	*12.120	*12.120
	- 3,0 m	kg	5.870	3.850			5.930	3.880	8.090	5.140	12.760	7.640	*17.370	14.650
	- 4,5 m	kg	7.680	4.960					8.260	5.290	12.980	7.830	*19.100	15.030
3,0 m	7,5 m	kg	*4.640	*4.640					*6.160	*6.160				
	6,0 m	kg	*4.420	4.310			*4.950	4.420	*6.290	*6.290				
	4,5 m	kg	*4.400	3.730			6.440	4.350	*7.150	6.120	*8.050	*8.050		
	3,0 m	kg	*4.550	3.430			6.280	4.210	*8.420	5.800	*10.720	8.750		
	1,5 m	kg	*4.870	3.320			6.110	4.050	8.480	5.490	*13.210	8.120		
	0,0 m	kg	5.080	3.370			5.980	3.930	8.240	5.270	12.910	7.770	*7.530	*7.530
	- 1,5 m	kg	5.500	3.620			5.930	3.880	8.120	5.180	12.790	7.670	*12.480	*12.480
	- 3,0 m	kg	6.460	4.220					8.160	5.200	12.860	7.730	*19.150	14.860
	- 4,5 m	kg	8.940	5.730							*12.640	7.970	*17.790	15.300
2,5 m	7,5 m	kg	*6.950	6.520										
	6,0 m	kg	*6.590	4.870					*7.030	6.240				
	4,5 m	kg	6.130	4.130			6.370	4.300	*7.820	6.030	*9.120	*9.120		
	3,0 m	kg	5.620	3.770			6.240	4.180	8.740	5.730	*11.780	8.550		
	1,5 m	kg	5.460	3.640			6.100	4.050	8.430	5.460	13.180	8.000		
	0,0 m	kg	5.610	3.710			6.000	3.960	8.240	5.280	12.890	7.770		
	- 1,5 m	kg	6.160	4.050					8.170	5.230	12.860	7.740	*13.530	*13.530
	- 3,0 m	kg	7.510	4.880					8.270	5.310	13.000	7.860	*19.640	15.130
	- 4,5 m	kg	*10.260	7.270							*11.360	8.180		
2,0 m	7,5 m	kg	*7.530	*7.530										
	6,0 m	kg	*7.000	5.400					*7.780	6.180	*8.150	*8.150		
	4,5 m	kg	6.680	4.500					*8.460	6.000	*10.120	9.120		
	3,0 m	kg	6.090	4.090			6.260	4.200	8.730	5.730	*12.790	8.440		
	1,5 m	kg	5.920	3.950			6.150	4.100	8.460	5.490	13.150	8.000		
	0,0 m	kg	6.120	4.060					8.310	5.360	12.990	7.860		
	- 1,5 m	kg	6.820	4.490					8.290	5.340	13.020	7.890	*13.790	*13.790
	- 3,0 m	kg	8.630	5.590							13.220	8.050	*18.310	15.490
	- 4,5 m	kg												



A – Reach from swing center

B – Bucket hook height

C – Lifting capacities

– Rating over front

– Rating over side

– Rating at maximum reach

With 600 mm shoes

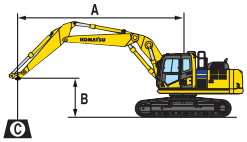
Weights:

With 2,0 and 2,5 m arm: bucket linkage and bucket cylinder: 390 kg

With 3,0 and 3,5 m arm: bucket linkage and bucket cylinder: 363 kg

PC240NLC-10 TWO-PIECE BOOM

Arm length	A / B		7,5 m		6,0 m		4,5 m		3,0 m	
3,5 m	6,0 m	kg	*3.100	2.600	*4.950	3.650	*5.000	*5.000		
	4,5 m	kg	*3.100	2.200	*5.500	3.500	*5.800	5.350	*5.400	*5.400		
	3,0 m	kg	*3.200	1.950	5.400	3.250	*7.300	4.850	*9.700	7.950		
	1,5 m	kg	3.350	1.850	5.150	3.000	7.500	4.400	*11.950	7.000		
	0,0 m	kg	3.400	1.900	4.950	2.800	7.150	4.100	11.600	6.400		
	- 1,5 m	kg	3.600	2.000	4.800	2.700	6.900	3.900	11.350	6.150	*7.100	*7.100
	- 3,0 m	kg	4.200	2.400	4.800	2.700	6.900	3.900	11.500	6.200		
3,0 m	6,0 m	kg	*3.600	2.850	*5.500	*3.550	*5.800	5.550	*5.300	*5.300		
	4,5 m	kg	*3.600	2.350	5.550	3.400	*6.600	5.200	*7.100	*7.100	*7.950	*7.950
	3,0 m	kg	3.700	2.100	5.300	3.150	*7.700	4.750	*10.500	7.650		
	1,5 m	kg	3.550	2.000	5.050	2.950	7.400	4.300	12.000	6.800		
	0,0 m	kg	3.650	2.050	4.900	2.800	7.050	4.050	11.500	6.300		
	- 1,5 m	kg	3.950	2.250	4.850	2.700	6.900	3.900	11.400	6.200	*6.800	*6.800
	- 3,0 m	kg	4.700	2.700	4.900	2.800	7.000	3.900	11.500	6.300		
2,5 m	6,0 m	kg	5.500	3.350	5.600	3.450	*6.400	*5.400	*7.150	*7.150		
	4,5 m	kg	4.600	2.750	5.500	3.350	*7.150	*5.050	*9.000	8.350		
	3,0 m	kg	4.150	2.450	5.250	3.150	7.750	4.650	*10.900	7.400		
	1,5 m	kg	4.050	2.300	5.050	2.950	7.350	4.300	11.850	6.600		
	0,0 m	kg	4.150	2.350	4.950	2.850	7.050	4.000	11.500	6.300		
	- 1,5 m	kg	4.550	2.600	4.950	2.800	7.000	4.000	11.500	6.350		
	- 3,0 m	kg					7.100	4.100				
2,0 m	6,0 m	kg	*5.850	*3.750			*7.000	5.300	*8.000	*8.000	*7.450	*7.450
	4,5 m	kg	5.050	3.050	5.450	3.300	*7.700	4.950	*9.900	8.100		
	3,0 m	kg	4.550	2.700	5.250	3.150	7.700	4.600	*11.700	7.150		
	1,5 m	kg	4.400	2.550	5.100	2.950	7.300	4.250	*10.150	6.500		
	0,0 m	kg	4.550	2.650	5.000	2.900	7.100	4.100	11.550	6.350		
	- 1,5 m	kg	5.100	2.950	5.050	2.950	7.100	4.100	11.750	6.500		
	- 3,0 m	kg										



A – Reach from swing center

B – Bucket hook height

C – Lifting capacities

– Rating over front

– Rating over side

– Rating at maximum reach

With 700 mm shoes

Weights:

With 2,0 and 2,5 m arm: bucket linkage and bucket cylinder: 390 kg

With 3,0 and 3,5 m arm: bucket linkage and bucket cylinder: 363 kg

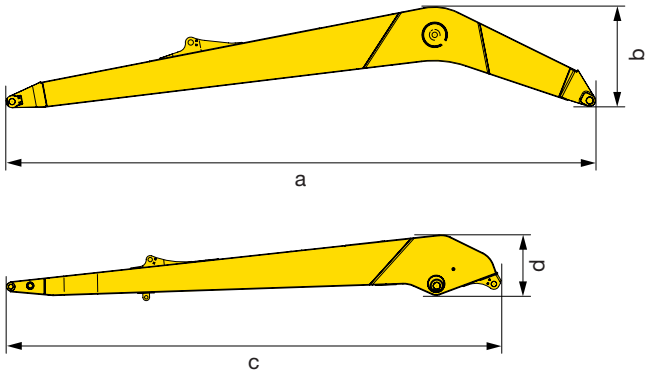
* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard No. J1097.
Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.
Lifting capacity stated is based on lifting with bare arm. When lifting with additional equipment installed to the arm, please subtract the weight of all additional equipment from the values stated.

Super Long Front Specification

WORK EQUIPMENT

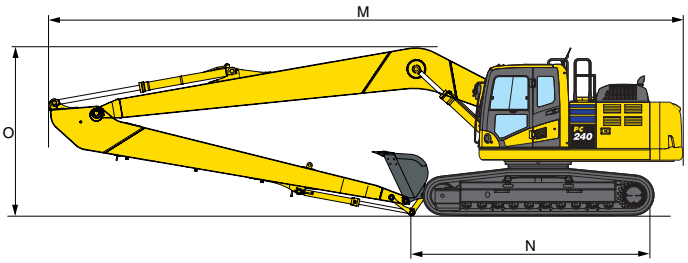
Boom
- Length (a) ..... 10.530 mm
- Height (b) ..... 1.545 mm
- Weight ..... 2.700 kg

Arm
- Length (c) ..... 9.325 mm
- Height (d) ..... 1.200 mm
- Weight ..... 1.650 kg



TRANSPORT DIMENSIONS

M	Transport length	14.400 mm
N	Length on ground (transport)	4.520 mm
O	Overall height (to top of boom)	3.230 mm



MAX. BUCKET CAPACITY AND WEIGHT

	PC240LC-10	
Material weight up to 1,2 t/m³	0,51 m³	450 kg
Material weight up to 1,5 t/m³	0,44 m³	415 kg
Material weight up to 1,8 t/m³	0,38 m³	390 kg

MAX. BUCKET CAPACITY AND WEIGHT

	PC240NLC-10	
Material weight up to 1,2 t/m³	0,38 m³	390 kg
Material weight up to 1,5 t/m³	0,31 m³	355 kg
Material weight up to 1,8 t/m³	0,27 m³	340 kg

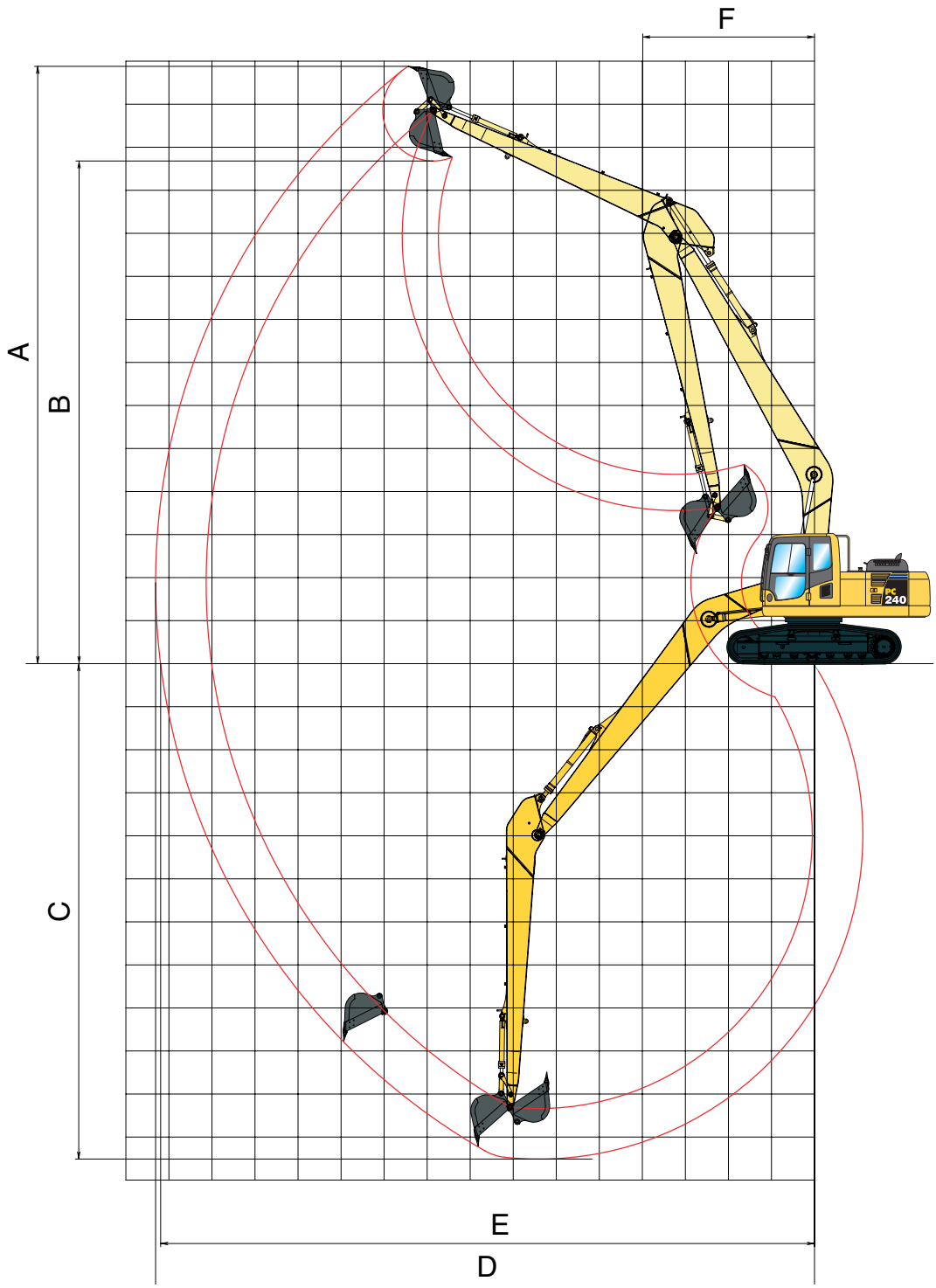
Max. capacity and weight have been calculated according to ISO 10567:2007.
Please consult with your distributor for the correct selection of buckets and attachments to suit the application.

OPERATING WEIGHT (APPR.)

	PC240LC-10		PC240NLC-10	
Triple grouser shoes	Operating weight	Ground pressure	Operating weight	Ground pressure
600 mm	27.850 kg	0,56 kg/cm²	27.250 kg	0,57 kg/cm²
700 mm	28.150 kg	0,48 kg/cm²	27.550 kg	0,50 kg/cm²
800 mm	28.450 kg	0,43 kg/cm²	27.850 kg	0,44 kg/cm²
900 mm	28.750 kg	0,38 kg/cm²	–	–

Operating weight, including Super Long Front work equipment, bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.

Working range PC240LC/NLC-10 Super Long Front



SUPER LONG FRONT		
A	Max. digging height	14.970 mm
B	Max. dumping height	12.860 mm
C	Max. digging depth	14.635 mm
D	Max. digging reach	18.290 mm
E	Max. digging reach at ground level	18.190 mm
F	Min. swing radius	5.195 mm

Super Long Front Specification

Lifting capacity PC240LC-10 Super Long Front

A – Reach from swing center

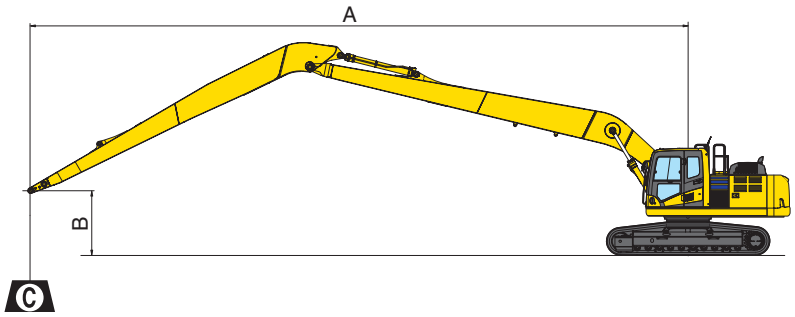
B – Bucket hook height

C – Lifting capacities

– Rating over front

– Rating over side

– Rating at maximum reach



With 700 mm shoes

A / B			17,0 m		13,0 m		11,0 m		9,0 m		7,0 m	
14,0 m kg	*1.200	*1.200										
10,0 m kg	*1.100	*1.100			*1.700	*1.700						
6,0 m kg	*1.100	*1.100			*2.000	*2.000	*2.050	*2.050				
3,0 m kg	*1.200	1.000	*1.650	1.100	*2.400	2.050	*2.700	*2.700	*3.150	*3.150	*3.900	*3.900
0,0 m kg	*1.350	950	1.800	1.000	*2.850	1.750	*3.350	2.350	*4.200	3.250	*5.700	4.600
-3,0 m kg	*1.650	950			2.650	1.550	3.400	2.050	4.550	2.750	6.550	3.900
-6,0 m kg	1.950	1.050			2.550	1.450	3.250	1.900	4.350	2.550	6.300	3.700
-9,0 m kg	2.400	1.350			2.600	1.500	3.300	1.900	4.400	2.600	6.450	3.800
-13,0 m kg	*3.750	2.950									*5.150	4.400

* 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.

Lifting capacity PC240NLC-10 Super Long Front

A – Reach from swing center

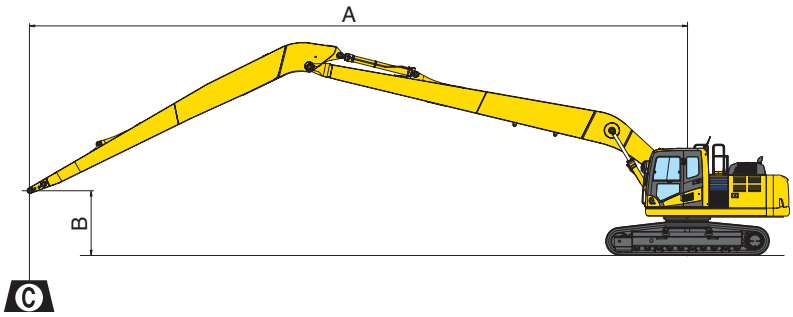
B – Bucket hook height

C – Lifting capacities

– Rating over front

– Rating over side

– Rating at maximum reach



With 700 mm shoes

A / B			17,0 m		13,0 m		11,0 m		9,0 m		7,0 m	
14,0 m kg	*1.200	*1.200										
10,0 m kg	*1.100	*1.100			*1.700	*1.700						
6,0 m kg	*1.100	1.000			*2.000	*2.000	*2.050	*2.050				
3,0 m kg	*1.200	800	1.650	900	*2.400	1.750	*2.700	2.450	*3.150	*3.150	*3.900	*3.900
0,0 m kg	*1.350	750	1.550	800	2.550	1.500	3.350	2.000	*4.200	2.800	*5.700	4.000
-3,0 m kg	1.500	750			2.300	1.250	3.000	1.700	4.000	2.300	5.750	3.250
-6,0 m kg	1.650	850			2.200	1.150	2.850	1.550	3.800	2.100	5.550	3.100
-9,0 m kg	2.100	1.100			2.250	1.200	2.850	1.550	3.850	2.150	5.650	3.200
-13,0 m kg	*3.750	2.500									*5.150	3.750

* 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.

Hydraulic Excavator

PC240LC/NLC-10

Standard and Optional Equipment

ENGINE	
Komatsu SAA6D107E-2 turbocharged common rail direct injection diesel engine	●
EU Stage IIIB compliant	●
Suction type cooling fan with radiator fly screen	●
Automatic engine warm-up system	●
Engine overheat prevention system	●
Fuel control dial	●
Auto-deceleration function	●
Engine key stop	●
Engine ignition can be password secured on request	●
Alternator 24 V/60 A	●
Starter motor 24 V/5,5 kW	●
Batteries 2 × 12 V/155 Ah	●

HYDRAULIC SYSTEM	
Electronic closed-centre load sensing (E-CLSS) hydraulic system (HydrauMind)	●
Pump and engine mutual control (PEMC) system	●
One additional hydraulic circuit (optional with Super Long Front)	●
6-working mode selection system; power mode, economy mode, breaker mode, attachment power and attachment economy mode, and lifting mode	●
PowerMax function	●
Adjustable PPC wrist control levers for arm, boom, bucket and swing, with sliding proportional control for attachments and 3 auxiliary buttons	●
Prepared for hydraulic quick-coupler (not with Super Long Front)	●
Additional hydraulic functions (not with Super Long Front)	○

UNDERCARRIAGE	
Track roller guards	●
Track frame under-guards	●
600, 700, 800, 900 mm triple grouser shoes	○
Full length track roller guards	○

CABIN	
Reinforced safety SpaceCab™; highly pressurised and tightly sealed hyper viscous mounted cab with tinted safety glass windows, large roof window with sun shade, pull-up type front window with locking device, removable lower window, front window wiper with intermittent feature, sun roller blind, cigarette lighter, ashtray, luggage shelf, floor mat	●
Heated, high back air suspension seat with lumbar support, console mounted height adjustable arm rests, and retractable seat belt	●
Automatic climate control system	●
12/24 Volt power supplies	●
Beverage holder and magazine rack	●
Hot and cool box	●
Radio	●
Auxiliary input (MP3 jack)	●
Lower wiper	○
Rain visor (not with OPG)	○

SERVICE AND MAINTENANCE	
Automatic fuel line de-aeration	●
Double element type air cleaner with dust indicator and auto dust evacuator	●
KOMTRAX™ - Komatsu wireless monitoring system	●
Multi-function video compatible colour monitor with Equipment Management and Monitoring System (EMMS) and efficiency guidance	●
Toolkit	●
Komatsu CARE	●
Service points	○
Automatic greasing system	○

WORK EQUIPMENT	
Mono boom	○
Two-piece boom	○
Super Long Front boom and arm (18 m)	○
2,0 m; 2,5 m; 3,0 m; 3,5 m arms	○
Bucket linkage with lifting eye	○
Komatsu buckets	○
Komatsu breakers	○

SAFETY EQUIPMENT	
Rear view camera system	●
Electric horn	●
Overload warning device	●
Audible travel alarm	●
Boom safety valves	●
Large handrails, rear-view mirrors	●
Battery main switch	●
ROPS compliant to ISO 12117-2:2008	●
Emergency engine stop switch	●
Arm safety valve (not with Super Long Front)	●
OPG Level II front guard (FOPS), hinged type	○
OPG Level II top guard (FOPS)	○
Additional camera, right side mounted	○

DRIVES AND BRAKES	
Hydrostatic, 3-speed travel system with automatic shift and planetary gear type final drives, and hydraulic travel and parking brakes	●
PPC control levers and pedals for steering and travel	●

LIGHTING SYSTEM	
Working lights: 2 revolving frame, 1 boom (l.h.)	●
Additional working lights: 4 cab roof (front), 1 cab roof (rear), 1 boom (r.h.), 1 counterweight (rear), beacon	○

OTHER EQUIPMENT	
Standard counterweight	●
Heavy counterweight (with Super Long Front)	●
Remote greasing for swing circle and pins	●
Electric refuelling pump with automatic shut-off function	●
Biodegradable oil for hydraulic system	○
Customised paint	○
Komatsu-Topcon guidance system preparation	○

Further equipment on request

● standard equipment
○ optional equipment

Your Komatsu partner:

Komatsu Europe International N.V.
Mechelsesteenweg 586
B-1800 VILVOORDE (BELGIUM)
Tel. +32-2-255 24 11
Fax +32-2-252 19 81
www.komatsu.eu

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