KOMATSU

PC290LC-11
PC290NLC-11

EU Stage V Engine

PC290

HYDRAULIC EXCAVATOR

ENGINE POWER
159 kW / 213 HP @ 2.050 rpm

OPERATING WEIGHT
PC290LC-11: 29.950 - 32.280 kg
PC290NLC-11: 29.850 - 32.180 kg

BUCKET CAPACITY
max. 2,02 m³

Walk-Around

PC290LC/NLC-11

ENGINE POWER
159 kW / 213 HP @ 2.050 rpm

OPERATING WEIGHT
PC290LC-11: 29.950 - 32.280 kg
PC290NLC-11: 29.850 - 32.180 kg

BUCKET CAPACITY
max. 2,02 m³

EXCEPTIONAL WORKABILITY AND ENVIRONMENTAL PERFORMANCE

Powerful and Environmentally Friendly

- EU Stage V engine
- Adjustable idle shutdown
- Komatsu fuel-saving technology

First-Class Comfort

- Fully air-suspended operator station
- Low-noise design
- Widescreen monitor

Maximised Efficiency

- Increased productivity
- Built-in versatility and superior productivity
- Enhanced engine management
- Improved hydraulic efficiency
- Komatsu Integrated Attachment Control (KIAC)

Safety First

- Komatsu SpaceCab™
- KomVision surround view system
- Neutral position detection system

Quality You Can Rely On

- Komatsu-quality components
- Extensive dealer support network

KOMTRAX

- Komatsu Wireless Monitoring System
- 3G mobile communications
- Integrated communication antenna
- Increased operational data and reports

KOMATSU CARE™

A maintenance program for Komatsu customers

Powerful and Environmentally Friendly

Higher productivity

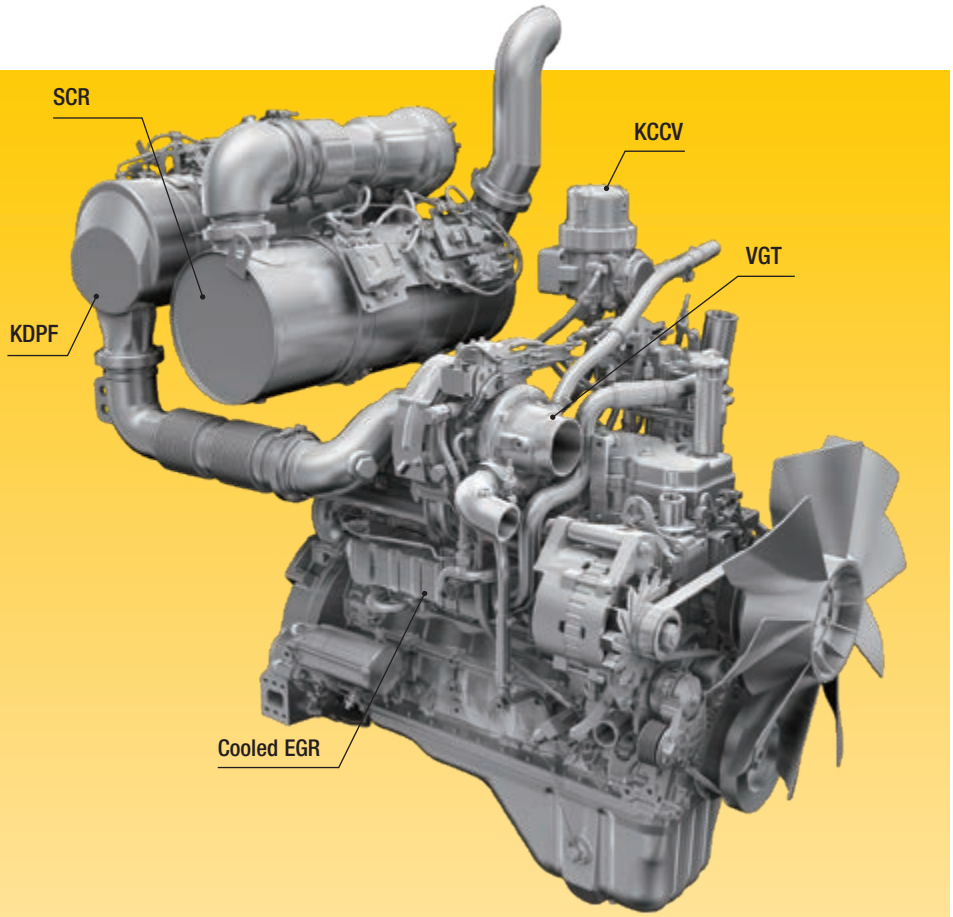
The PC290LC/NLC-11 is quick and precise. It features a powerful Komatsu EU Stage V engine, Komatsu's Closed Center Load Sensing (CLSS) hydraulic system and first-class Komatsu comfort to provide a fast response and unrivalled productivity for its class.

Komatsu fuel-saving technology

Fuel consumption on the PC290LC/NLC-11 is lower by up to 5%. Engine management is enhanced. The variable speed matching of the engine and hydraulic pumps guarantee efficiency and precision during single and combined movements.

Adjustable idle shutdown

The Komatsu auto idle shutdown automatically turns off the engine after it idles for a set period of time. This feature can easily be programmed from 5 to 60 minutes, to reduce unnecessary fuel consumption and exhaust emissions, and to lower operating costs. An Eco-gauge and the Eco guidance tips on the cab monitor further encourage efficient operations.



Komatsu EU Stage V

The Komatsu EU Stage V engine is productive, dependable and efficient. With ultra-low emissions, it provides a lower environmental impact and a superior performance to help reduce operating costs and lets the operator work in complete peace of mind.

Heavy-duty aftertreatment

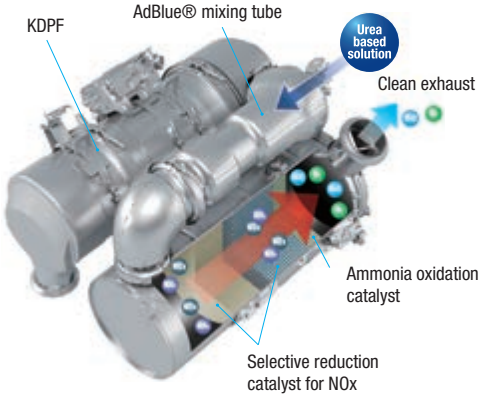
The aftertreatment system combines a Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR). The SCR injects the correct amount of AdBlue® into the system at the proper rate to break down NOx into water (H_2O) and non-toxic nitrogen gas (N_2). NOx emissions are reduced by 80% vs. EU Stage IIIB engines.

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.

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.

Variable Geometry Turbo (VGT)
The VGT provides optimal airflow 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.



Eco-gauge, Eco guidance and fuel consumption gauge

ECO guidance record

Fuel consumption history

Maximised Efficiency

Built-in versatility

Powerful and precise, the Komatsu PC290LC/NLC-11 is equipped to efficiently carry out any task your business requires. On all jobsites, big or small, for digging, trenching, landscaping or site preparation, the Komatsu hydraulic system always provides maximum productivity and control.

A wide choice of options

Two optional attachment lines are available and 15 attachment memory settings are simply customised. Combined with a standard-fit hydraulic quick coupler power circuit, it's easier than ever to switch working styles. With a choice of arms and undercarriages, you can configure the PC290LC/NLC-11 to match specific demands for transport, working envelope or duty.

6 working modes

The PC290LC/NLC-11 delivers the power required with the lowest fuel usage. 6 working modes are available: Power, Lifting/Fine Operation, Breaker, Economy, Attachment Power and Attachment Economy. The operator can ideally balance the Economy mode between power and economy to match the work at hand. The oil flow delivered to hydraulic attachments is also adjustable directly on the class-leading widescreen monitor panel.

Choice of four arm lengths
Mono boom or two-piece boom

Two optional hydraulic lines to mount a variety of attachments

Komatsu Integrated Attachment Control (KIAC) for up to 15 tool presets for oil flow and pressure

Versatility at your fingertips: select the perfect setting for each job


KOMATSU

First-Class Comfort

Increased comfort

In the wide Komatsu SpaceCab™, a standard air-suspended high-back seat, heated for improved comfort and with fully adjustable armrests, is the centre of a comfortable and low-fatigue working environment. High visibility and ergonomic controls further assist to maximise the operator's productivity.

Perfect operator convenience

In addition to the standard radio, the PC290LC/NLC-11 has an auxiliary input for connecting external devices and play music through the cab speakers. Two 12-volt power ports are also incorporated in the cab. Proportional controls are fitted as standard for safe and precise operation of attachments.

Low-noise design

Komatsu crawler excavators have very low external noise levels and are especially well-suited for work in confined spaces or urban areas. The optimal usage of sound insulation and of sound absorbing materials helps to make noise levels inside the cab comparable to those of an executive car.

Convenient, ergonomic and precise control: joysticks with proportional control button for attachments

Plenty of storage room, a hot and cool box, a magazine box and a cup holder

Armrest with simple height adjustment

Information & Communication Technology

Lower operating costs

Komatsu ICT contributes to the reduction of operating costs by assisting to comfortably and efficiently manage operations. It raises the level of customer satisfaction and the competitive edge of our products.

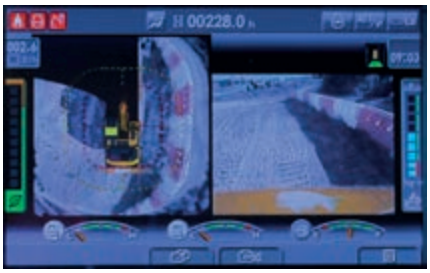
Widescreen monitor

Conveniently customisable and with a choice of 26 languages, the widescreen monitor with simple switches and multifunction keys gives fingertip access to a large range of functions and operating info. The rear camera view and an AdBlue® level gauge are now incorporated into the default main screen.

An evolutionary interface

Helpful information is now easier than ever to find and understand with the upgraded monitor interface. An optimal main screen for the ongoing work can be selected simply by pressing the F3 key.

Quick view on the operation logs



With KomVision, various camera view options are available whilst maintaining constant "birdview" from above the machine

Operator identification function

Safety First

Optimal jobsite safety

Safety features on the Komatsu PC290LC/NLC-11 comply with the latest industry standards and work in synergy to minimise risks to people in and around the machine. A neutral detection system for travel and work equipment levers increase jobsite safety, along with a seat belt caution indicator and an audible travel alarm. Highly durable anti-slip plates – with additional high friction covering – maintain long term traction performance.

KomVision cameras

Exceptional operator protection

Hand rails and anti-slip plates

KomVision

KomVision machine visibility gives the operator a constant clear view of the safety zone around the machine. This allows the operator to focus on the work at hand even in low light conditions.

Komatsu SpaceCab™

The ROPS cab has a tubular steel frame and provides high shock absorbency, impact resistance and durability. The seat belt is well designed to keep the operator in the safety zone of the cab in the event of a rollover. Optionally the cab can be fitted with a Falling Object Protective System (FOPS) with openable front guard.

Safe maintenance

Thermal guards around high temperature areas of the engine, protected fan belt and pulleys, a pump/engine partition that prevents hydraulic oil from spraying onto the engine, and exceptionally sturdy handrails: in Komatsu tradition, the highest safety level is provided for a fast and smooth maintenance.

Quality You Can Rely On

Komatsu-quality

With the latest computer techniques and a thorough test programme, Komatsu produces equipment to meet your highest standards. All major components of the PC290LC/NLC-11 are designed and directly manufactured by Komatsu, and essential machine functions are perfectly matched for a highly reliable and productive excavator.

Rugged design

Maximum toughness and durability are the cornerstones of Komatsu's philosophy – along with safety and top class customer service. 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 against impact damage.

Extensive 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 equipment continues to perform at its peak.

Durable and reliable undercarriage design for maximum protection

Cast boom foot and single piece boom plates

Easy Maintenance

Central service points

Komatsu designed the PC290LC/NLC-11 with centralised and conveniently located service points to make necessary inspections and maintenance quick and easy.

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.

Long-life oil filters

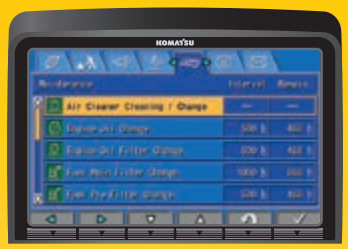
The Komatsu Genuine hydraulic oil filter uses high-performance filtering material for long replacement intervals, which significantly reduces maintenance costs.

AdBlue® tank

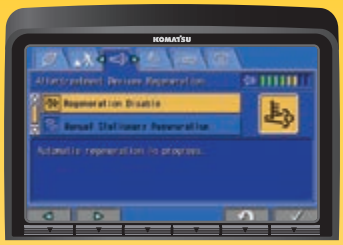
For simple access, the AdBlue® tank is installed on the front stairway.

Flexible warranty

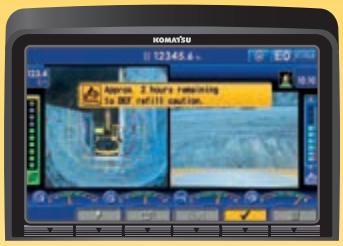
When you purchase Komatsu equipment, you gain access to a broad range of programmes and services that have been designed to help you get the most from your investment. For example, Komatsu's Flexible Warranty Programme provides a range of extended warranty options on the machine and its components. These can be chosen to meet your individual needs and activities. This programme is designed to help reduce total operating costs.



Basic maintenance screen



Aftertreatment device regeneration screen for the KDPF

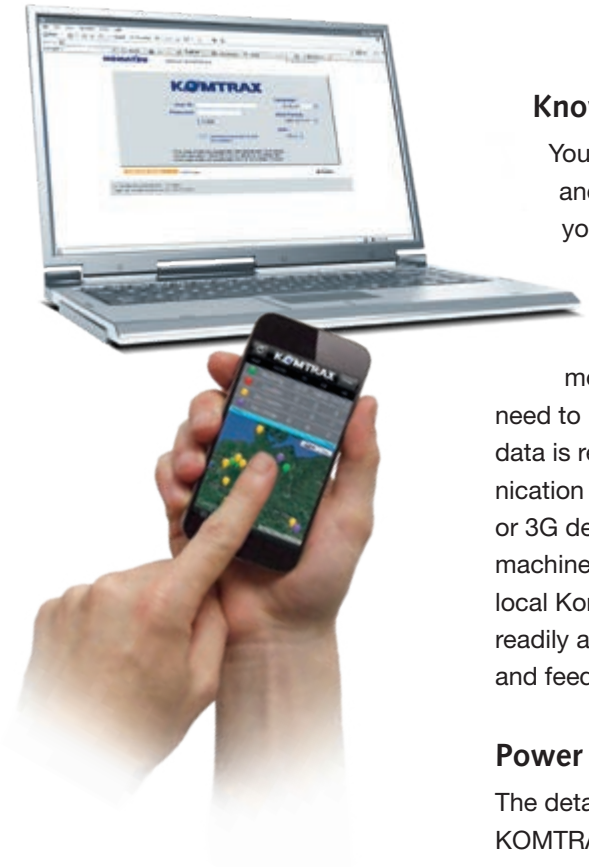


AdBlue® level and refill guidance

KOMTRAX

The way to higher productivity

KOMTRAX uses the latest wireless monitoring technology. Compatible on PC, smartphone or tablet, it delivers insightful and cost saving information about your fleet and equipment, and offers a wealth of information to facilitate peak machine performance. By creating a tightly integrated web of support it allows proactive and preventive maintenance and helps 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 wireless communication technology (Satellite, GPRS or 3G depending on model) from the machine to a computer and to the local Komatsu distributor – who's readily available for expert analysis and feedback.

Power

The detailed information that KOMTRAX puts at your fingertips 24 hours a day, 7 days a week gives the power to make better daily and long-term strategic decisions – at no extra cost. Problems can be anticipated, maintenance schedules customised, downtime minimised and machines kept where they belong: working on the jobsite.

Convenience

KOMTRAX enables convenient fleet management on the web, wherever you are. Data is analysed and packaged specifically for effortless and intuitive viewing in maps, lists, graphs and charts. You can foresee eventual maintenance issues and required spare parts, and troubleshoot a problem before Komatsu technicians arrive on site.

Specifications

ENGINE

Model	Komatsu SAA6D107E-3
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	2.050 rpm
ISO 14396	159 kW/213 HP
ISO 9249 (net engine power)	147 kW/196 HP
No. of cylinders	6
Bore × stroke	107 × 124 mm
Displacement	6,69 l
Air filter type	Double element type with monitor panel dust indicator and auto dust evacuator
Cooling	Suction type cooling fan with radiator fly screen
Fuel	Diesel fuel, conforming to EN590 Class 2/Grade D. Paraffinic fuel capability (HVO, GTL, BTL), conforming to EN 15940:2016

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 × 239,5 l/min
Relief valve settings	
Implement	380 kg/cm²
Travel	380 kg/cm²
Swing	295 kg/cm²
Pilot circuit	33 kg/cm²

SERVICE REFILL CAPACITIES

Fuel tank	400 l
Radiator	36,0 l
Engine oil	23,1 l
Swing drive	7,2 l
Hydraulic tank	132 l
Final drive (each side)	8,0 l
AdBlue® tank	23,1 l

SWING SYSTEM

Type	Axial piston motor driving through planetary double reduction gearbox
Swing lock	Electrically actuated wet multidisc brake integrated into swing motor
Swing speed	0 - 10,5 rpm
Swing torque	87 kNm

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	25.400 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)	48
Tension	Combined spring and hydraulic unit
Rollers	
Track rollers (each side)	8
Carrier rollers (each side)	2

ENVIRONMENT

Engine emissions	Fully complies with EU Stage V exhaust emission regulations
Noise levels	
LwA external	104 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 = 0,37 m/s²)
Body	≤ 0,5 m/s² (uncertainty K = 0,17 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.)

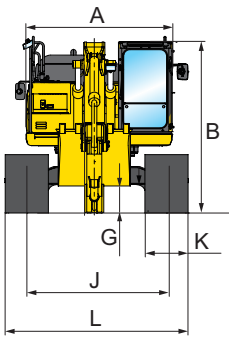
	MONO BOOM				TWO-PIECE BOOM			
	PC290LC-11		**PC290NLC-11**		**PC290LC-11**		**PC290NLC-11**	
Triple grouser shoes	Operating weight	Ground pressure	Operating weight	Ground pressure	Operating weight	Ground pressure	Operating weight	Ground pressure
600 mm	29.950 kg	0,57 kg/cm²	29.850 kg	0,57 kg/cm²	31.280 kg	0,59 kg/cm²	31.180 kg	0,59 kg/cm²
700 mm	30.350 kg	0,49 kg/cm²	30.250 kg	0,49 kg/cm²	31.680 kg	0,51 kg/cm²	31.580 kg	0,51 kg/cm²
800 mm	30.750 kg	0,44 kg/cm²	30.650 kg	0,44 kg/cm²	32.080 kg	0,46 kg/cm²	31.980 kg	0,45 kg/cm²
850 mm	30.950 kg	0,41 kg/cm²	30.850 kg	0,41 kg/cm²	32.280 kg	0,43 kg/cm²	32.180 kg	0,43 kg/cm²

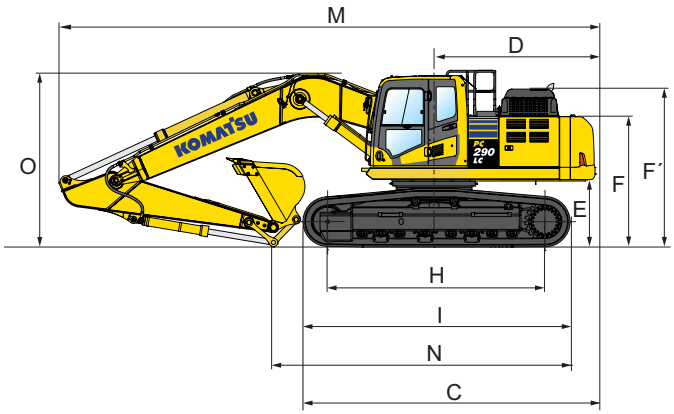
Operating weight, including specified work equipment, 3,2 m arm, 830 kg bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.

Dimensions & Performance Figures

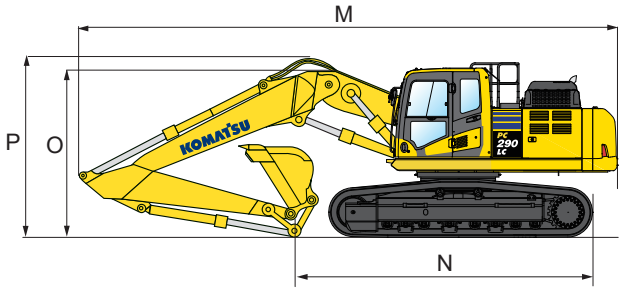
MACHINE DIMENSIONS		PC290LC-11	PC290NLC-11
A	Overall width of upper structure	2.705 mm	2.705 mm
B	Overall height of cab	3.180 mm	3.180 mm
C	Overall length of basic machine	5.460 mm	5.460 mm
D	Tail length	2.985 mm	2.985 mm
	Tail swing radius	3.020 mm	3.020 mm
E	Clearance under counterweight	1.215 mm	1.215 mm
F	Machine tail height	2.380 mm	2.380 mm
F'	Machine tail height (top of engine cover)	2.895 mm	2.895 mm
G	Ground clearance	495 mm	495 mm
H	Tumbler centre distance	4.030 mm	4.030 mm
I	Track length	4.955 mm	4.955 mm
J	Track gauge	2.590 mm	2.390 mm
J	Track gauge (transport)	2.590 mm	2.390 mm
K	Track shoe width	600, 700, 800, 850 mm	600, 700, 800, 850 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 850 mm shoes	3.440 mm	3.240 mm

MONO BOOM





TWO-PIECE BOOM



TRANSPORT DIMENSIONS		MONO BOOM				TWO-PIECE BOOM		
	Arm length	2,0 m	2,65 m	3,2 m	3,5 m	2,65 m	3,2 m	3,5 m
M	Transport length	10.160 mm	10.320 mm	10.265 mm	10.275 mm	10.140 mm	10.110 mm	10.050 mm
N	Length on ground (transport)	6.615 mm	6.425 mm	5.625 mm	5.350 mm	6.825 mm	6.155 mm	5.765 mm
O	Overall height (to top of boom)	3.160 mm	3.425 mm	3.340 mm	3.375 mm	3.180 mm	3.210 mm	3.230 mm
P	Overall height (to top of hose)	–	–	–	–	3.565 mm	3.620 mm	3.730 mm

Dimensions & Performance Figures

PC290LC-11 / MAX. BUCKET CAPACITY AND WEIGHT

	MONO BOOM			
Arm length	2,0 m	2,65 m	3,2 m	3,5 m
Material weight up to 1,2 t/m³	2,02 m³ 1.400 kg	2,02 m³ 1.400 kg	2,02 m³ 1.400 kg	2,02 m³ 1.400 kg
Material weight up to 1,5 t/m³	2,02 m³ 1.400 kg	1,98 m³ 1.375 kg	1,78 m³ 1.300 kg	1,72 m³ 1.275 kg
Material weight up to 1,8 t/m³	1,93 m³ 1.350 kg	1,71 m³ 1.275 kg	1,50 m³ 1.200 kg	1,49 m³ 1.175 kg

	TWO-PIECE BOOM		
Arm length	2,65 m	3,2 m	3,5 m
Material weight up to 1,2 t/m³	2,02 m³ 1.400 kg	2,02 m³ 1.400 kg	1,99 m³ 1.400 kg
Material weight up to 1,5 t/m³	1,95 m³ 1.375 kg	1,75 m³ 1.275 kg	1,68 m³ 1.250 kg
Material weight up to 1,8 t/m³	1,69 m³ 1.250 kg	1,52 m³ 1.175 kg	1,46 m³ 1.150 kg

PC290NLC-11 / MAX. BUCKET CAPACITY AND WEIGHT

	MONO BOOM			
Arm length	2,0 m	2,65 m	3,2 m	3,5 m
Material weight up to 1,2 t/m³	2,02 m³ 1.400 kg	2,02 m³ 1.400 kg	1,88 m³ 1.350 kg	1,82 m³ 1.300 kg
Material weight up to 1,5 t/m³	2,02 m³ 1.400 kg	1,77 m³ 1.300 kg	1,59 m³ 1.200 kg	1,54 m³ 1.200 kg
Material weight up to 1,8 t/m³	1,73 m³ 1.275 kg	1,53 m³ 1.175 kg	1,30 m³ 1.125 kg	1,33 m³ 1.100 kg

	TWO-PIECE BOOM		
Arm length	2,65 m	3,2 m	3,5 m
Material weight up to 1,2 t/m³	2,02 m³ 1.400 kg	1,85 m³ 1.325 kg	1,78 m³ 1.300 kg
Material weight up to 1,5 t/m³	1,74 m³ 1.275 kg	1,56 m³ 1.200 kg	1,50 m³ 1.175 kg
Material weight up to 1,8 t/m³	1,51 m³ 1.175 kg	1,35 m³ 1.100 kg	1,30 m³ 1.075 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.

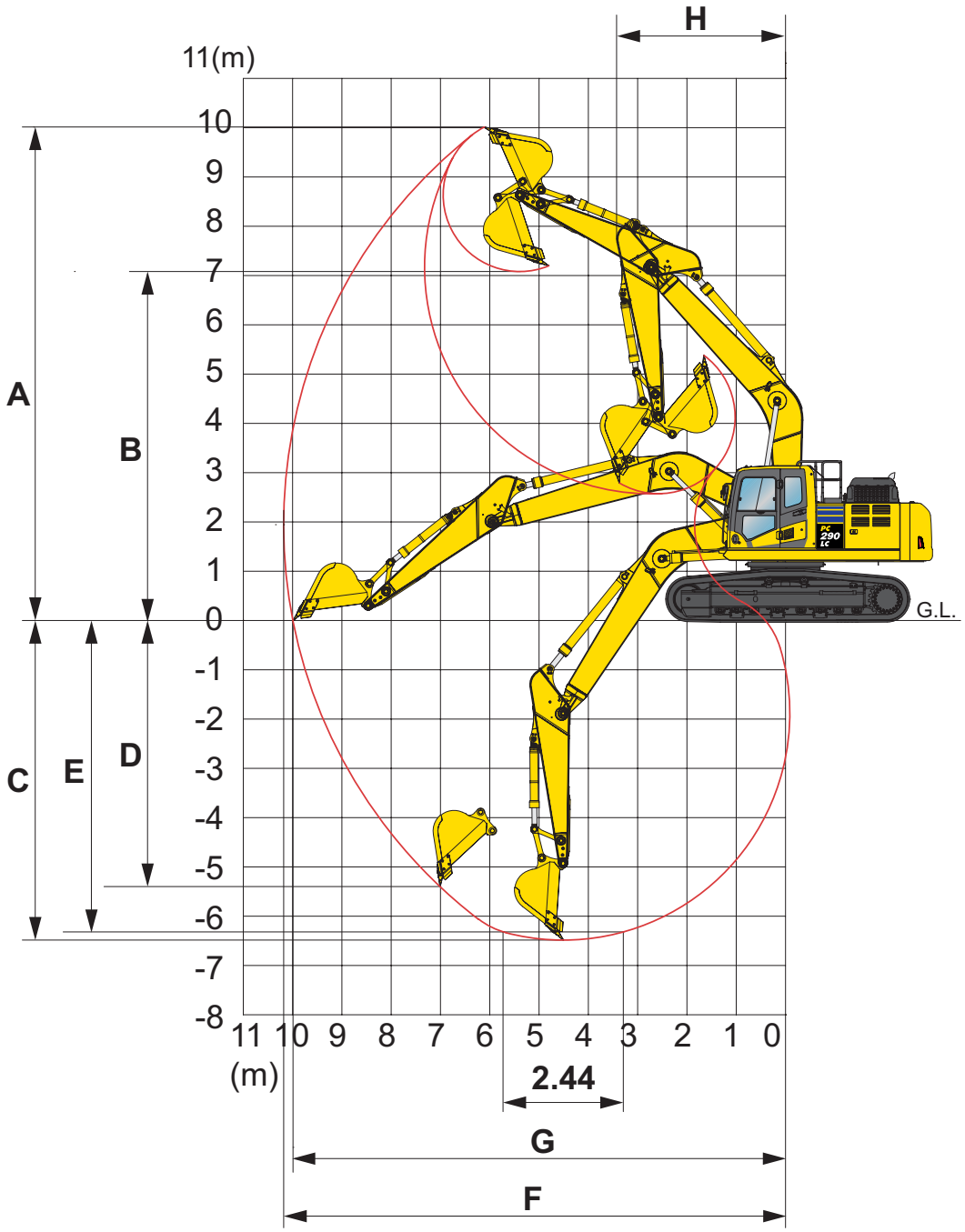
BUCKET AND ARM FORCE

Arm length	2,0 m	2,65 m	3,2 m	3,5 m
Bucket digging force	21.600 kg	21.600 kg	18.800 kg	18.800 kg
Bucket digging force at PowerMax	23.100 kg	23.100 kg	20.200 kg	20.200 kg
Arm crowd force	17.600 kg	15.280 kg	13.420 kg	12.000 kg
Arm crowd force at PowerMax	18.800 kg	16.320 kg	14.370 kg	12.800 kg


KOMATSU

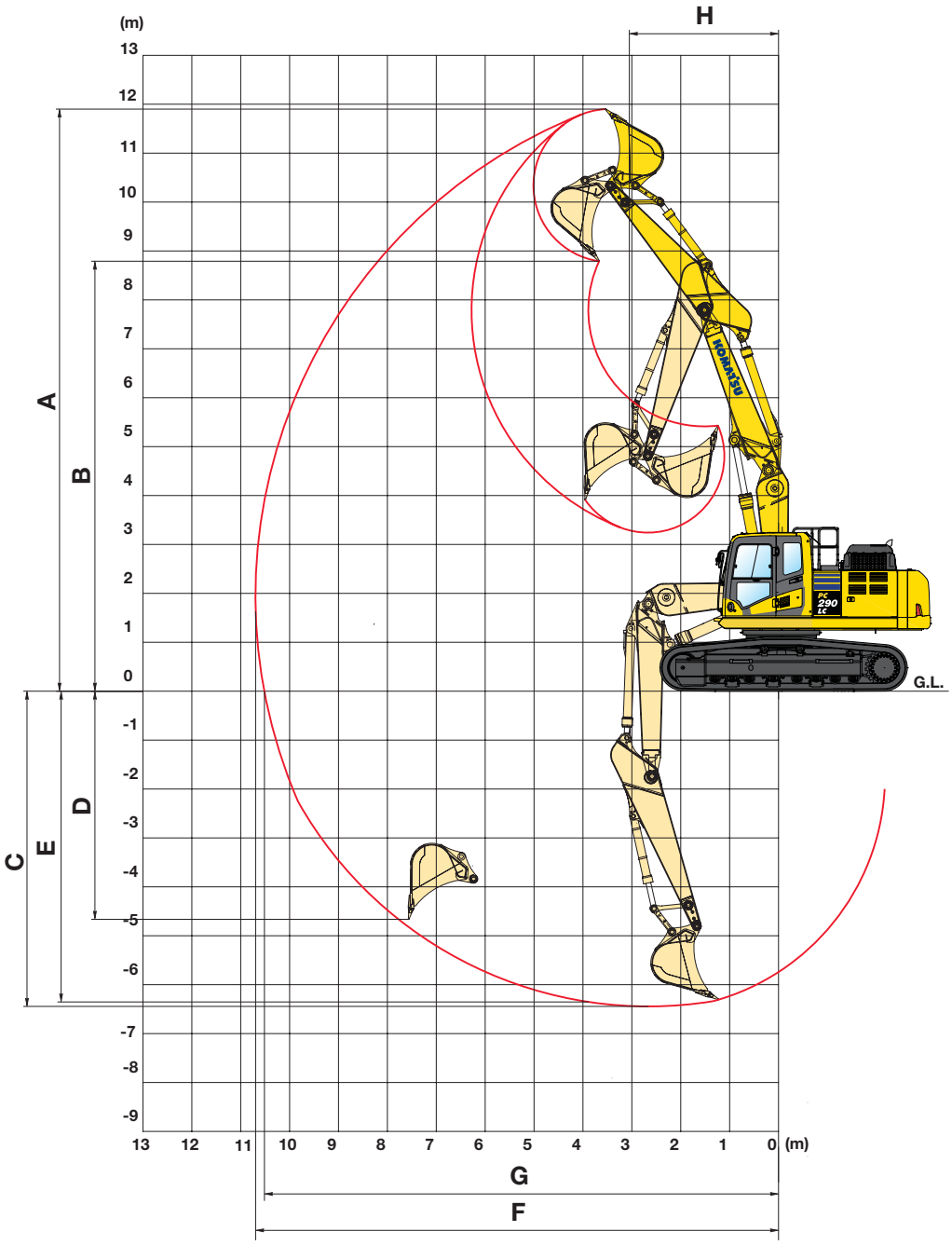
Working Range

Mono boom



ARM LENGTH		2,0 m	2,65 m	3,2 m	3,5 m
A	Max. digging height	9.780 mm	9.985 mm	10.345 mm	10.355 mm
B	Max. dumping height	6.830 mm	7.040 mm	7.370 mm	7.435 mm
C	Max. digging depth	5.720 mm	6.360 mm	6.915 mm	7.220 mm
D	Max. vertical wall digging depth	3.910 mm	5.365 mm	6.135 mm	5.110 mm
E	Max. digging depth of cut for 2,44 m level	5.500 mm	6.175 mm	6.755 mm	7.070 mm
F	Max. digging reach	9.570 mm	10.095 mm	10.635 mm	10.890 mm
G	Max. digging reach at ground level	9.370 mm	9.905 mm	10.455 mm	10.715 mm
H	Min. swing radius	3.620 mm	3.740 mm	3.680 mm	3.740 mm

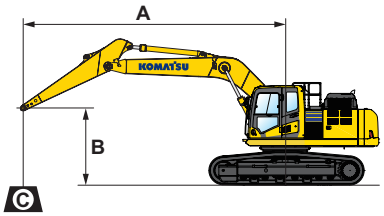
Two-piece boom



ARM LENGTH		2,0 m	2,65 m	3,2 m	3,5 m
A	Max. digging height	10.960 mm	11.295 mm	11.880 mm	12.065 mm
B	Max. dumping height	7.870 mm	8.315 mm	8.785 mm	8.985 mm
C	Max. digging depth	5.255 mm	5.870 mm	6.430 mm	6.715 mm
D	Max. vertical wall digging depth	4.110 mm	4.535 mm	5.250 mm	5.440 mm
E	Max. digging depth of cut for 2,44 m level	5.150 mm	5.775 mm	6.340 mm	6.630 mm
F	Max. digging reach	9.545 mm	10.120 mm	10.675 mm	10.945 mm
G	Max. digging reach at ground level	9.345 mm	9.935 mm	10.495 mm	10.770 mm
H	Min. swing radius	2.680 mm	3.190 mm	3.055 mm	3.110 mm

Lifting Capacity

PC290LC-11 MONO BOOM



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 2,65 m arm: bucket linkage and bucket cylinder: 390 kg

With 3,2 and 3,5 m arm: bucket linkage and bucket cylinder: 363 kg

Arm length	A / B		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
3,5 m	6,0 m	kg	*4.180	*4.180	*6.650	6.140						
	4,5 m	kg	*4.190	*4.190	*7.390	6.000	*8.060	*8.060				
	3,0 m	kg	*4.330	4.270	*8.090	5.810	*9.410	7.970	*12.090	*12.090		
	1,5 m	kg	*4.610	4.160	8.480	5.610	*10.730	7.600	*14.580	11.320		
	0,0 m	kg	*5.080	4.220	8.310	5.450	11.510	7.320	*15.940	10.880	*7.970	*7.970
	– 1,5 m	kg	*5.880	4.480	8.210	5.360	11.350	7.180	*16.180	10.720	*12.210	*12.210
	– 3,0 m	kg	*7.340	5.050	8.220	5.370	11.330	7.160	*15.440	10.740	*17.810	*17.810
	– 4,5 m	kg	*8.710	6.340			*10.170	7.300				
3,2 m	6,0 m	kg	*4.550	*4.550	*6.830	6.080	*7.430	*7.430				
	4,5 m	kg	*4.550	*4.550	*7.660	5.960	*8.420	8.280	*9.920	*9.920		
	3,0 m	kg	*4.700	4.420	*8.310	5.780	*9.740	7.910	*12.680	11.950		
	1,5 m	kg	*5.000	4.310	8.460	5.590	*10.990	7.560	*15.010	11.230		
	0,0 m	kg	*5.530	4.380	8.300	5.450	11.500	7.310	*16.130	10.860		
	– 1,5 m	kg	*6.430	4.680	8.230	5.380	11.360	7.200	*16.140	10.750	*12.270	*12.270
	– 3,0 m	kg	8.130	5.340	8.270	5.420	11.370	7.210	*15.180	10.810	*18.780	*18.780
	– 4,5 m	kg	*8.810	6.860			*9.630	7.380				
2,65 m	6,0 m	kg	*6.710	5.970	*6.760	5.970	*8.130	*8.130				
	4,5 m	kg	*6.740	5.200	*8.160	5.900	*9.070	8.170	*11.010	*11.010		
	3,0 m	kg	*7.020	4.820	8.610	5.740	*10.310	7.820	*13.720	11.700		
	1,5 m	kg	7.020	4.690	8.440	5.580	*11.420	7.500	*15.700	11.090		
	0,0 m	kg	7.210	4.790	8.310	5.460	11.480	7.300	*16.310	10.840		
	– 1,5 m	kg	7.840	5.170	8.280	5.430	11.400	7.230	*15.900	10.810	*12.990	*12.990
	– 3,0 m	kg	*9.240	6.060			*11.110	7.290	*14.550	10.920	*19.420	*19.420
	– 4,5 m	kg										
2,0 m	6,0 m	kg	*7.550	6.720			*8.980	8.330	*10.070	*10.070		
	4,5 m	kg	*7.520	5.740	8.720	5.840	*9.820	8.080	*12.300	12.270		
	3,0 m	kg	*7.810	5.290	8.590	5.730	*10.960	7.770	*14.990	11.470		
	1,5 m	kg	7.720	5.150	8.460	5.600	11.690	7.500				
	0,0 m	kg	7.990	5.300	8.380	5.530	11.530	7.360	*16.290	10.930		
	– 1,5 m	kg	8.850	5.820			11.510	7.350	*15.430	10.980	*12.500	*12.500
	– 3,0 m	kg	*9.650	7.070			*10.320	7.480				
	– 4,5 m	kg										

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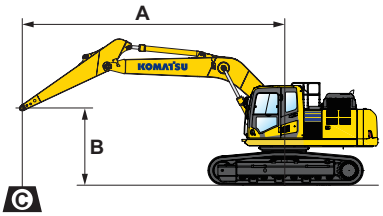
PC290NLC-11 MONO BOOM



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 2,65 m arm: bucket linkage and bucket cylinder: 390 kg

With 3,2 and 3,5 m arm: bucket linkage and bucket cylinder: 363 kg

Arm length	A / B		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
3,5 m	6,0 m	kg	*4.180	*4.180	*6.650	5.610						
	4,5 m	kg	*4.190	4.150	*7.390	5.480	*8.060	7.610				
	3,0 m	kg	*4.330	3.880	*8.090	5.290	*9.410	7.240	*12.090	10.880		
	1,5 m	kg	*4.610	3.770	8.350	5.090	*10.730	6.870	*14.580	10.130		
	0,0 m	kg	*5.080	3.820	8.170	4.930	11.320	6.600	*15.940	9.710	*7.970	*7.970
	– 1,5 m	kg	*5.880	4.050	8.070	4.850	11.160	6.460	*16.180	9.550	*12.210	*12.210
	– 3,0 m	kg	*7.340	4.570	8.090	4.860	11.140	6.450	*15.440	9.570	*17.810	*17.810
	– 4,5 m	kg	*8.710	5.730			*10.170	6.570				
3,2 m	6,0 m	kg	*4.550	*4.550	*6.830	5.550	*7.430	*7.430				
	4,5 m	kg	*4.550	4.310	*7.660	5.430	*8.420	7.540	*9.920	*9.920		
	3,0 m	kg	*4.700	4.020	*8.310	5.260	*9.740	7.180	*12.680	10.740		
	1,5 m	kg	*5.000	3.910	8.320	5.070	*10.990	6.830	*15.010	10.050		
	0,0 m	kg	*5.530	3.970	8.170	4.930	11.310	6.590	*16.130	9.690		
	– 1,5 m	kg	*6.430	4.230	8.090	4.870	11.180	6.480	*16.140	9.580	*12.270	*12.270
	– 3,0 m	kg	8.000	4.830	8.130	4.900	11.190	6.490	*15.180	9.640	*18.780	18.540
	– 4,5 m	kg	*8.810	6.200			*9.630	6.650				
2,65 m	6,0 m	kg	*6.710	5.440	*6.760	5.450	*8.130	7.700				
	4,5 m	kg	*6.740	4.730	*8.160	5.370	*9.070	7.430	*11.010	*11.010		
	3,0 m	kg	*7.020	4.380	8.480	5.220	*10.310	7.090	*13.720	10.500		
	1,5 m	kg	6.910	4.260	8.300	5.060	*11.420	6.780	*15.700	9.910		
	0,0 m	kg	7.090	4.340	8.180	4.950	11.290	6.580	*16.310	9.670		
	– 1,5 m	kg	7.710	4.680	8.140	4.920	11.210	6.520	*15.900	9.640	*12.990	*12.990
	– 3,0 m	kg	9.150	5.490			*11.110	6.570	*14.550	9.750	*19.420	18.810
	– 4,5 m	kg										
2,0 m	6,0 m	kg	*7.550	6.130			*8.980	7.590	*10.070	*10.070		
	4,5 m	kg	*7.520	5.230	8.590	5.320	*9.820	7.350	*12.300	11.060		
	3,0 m	kg	7.770	4.810	8.460	5.210	*10.960	7.040	*14.990	10.280		
	1,5 m	kg	7.600	4.680	8.320	5.090	11.510	6.780				
	0,0 m	kg	7.860	4.810	8.240	5.010	11.340	6.640	*16.290	9.760		
	– 1,5 m	kg	8.700	5.270			11.330	6.630	*15.430	9.810	*12.500	*12.500
	– 3,0 m	kg	*9.650	6.400			*10.320	6.750				
	– 4,5 m	kg										

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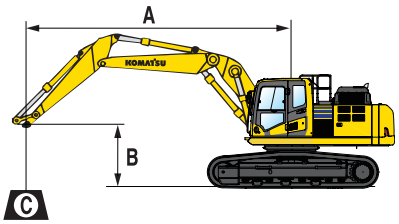
Lifting Capacity

PC290LC-11 TWO-PIECE BOOM



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 2,65 m arm: bucket linkage and bucket cylinder: 390 kg

With 3,2 and 3,5 m arm: bucket linkage and bucket cylinder: 363 kg

Arm length	A / B		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
3,5 m	7,5 m	kg	*4.350	*4.350			*4.650	*4.650	*7.000	*7.000		
	6,0 m	kg	*4.100	*4.100			*6.850	6.050	*7.400	*7.400		
	4,5 m	kg	*4.000	*4.000	*3.300	*4.300	*7.950	5.950	*8.750	8.300	*9.000	*9.000
	3,0 m	kg	*4.050	*4.050	*4.700	4.400	*8.600	5.750	*10.250	7.900	*13.300	11.250
	1,5 m	kg	*4.250	4.100	5.000	4.300	8.400	5.550	*11.200	7.550	*14.500	11.150
	0,0 m	kg	*4.550	4.150	*4.850	4.250	8.150	5.400	11.550	7.250	*15.450	10.800
	– 1,5 m	kg	*5.100	4.450			7.950	5.350	11.100	7.150	*14.400	9.700
	– 3,0 m	kg							*10.350	7.200		
3,2 m	7,5 m	kg	*4.750	*4.750					*7.550	*7.550		
	6,0 m	kg	*4.450	*4.450			*7.100	6.000	*8.100	*8.100	*7.650	*7.650
	4,5 m	kg	*4.350	*4.350			*8.350	5.900	*9.500	8.250	*10.650	*10.650
	3,0 m	kg	*4.400	4.300	*3.850	4.350	8.600	5.700	*10.550	7.850	*13.750	11.100
	1,5 m	kg	*4.550	4.250	*4.450	4.300	8.350	5.550	*11.400	7.500	*14.800	11.050
	0,0 m	kg	*4.950	4.350			8.150	5.400	11.500	7.250	*15.550	10.800
	– 1,5 m	kg	*5.550	4.650			7.950	5.350	11.100	7.150	*13.700	9.750
	– 3,0 m	kg										
2,65 m	7,5 m	kg	*7.150	*7.150					*9.250	8.450	*9.800	*9.150
	6,0 m	kg	*6.650	5.850			*7.050	5.900	*9.350	8.400	*10.200	*9.500
	4,5 m	kg	*6.500	5.100			8.800	5.850	*10.050	8.150	*12.450	*11.600
	3,0 m	kg	*6.650	4.750			8.600	5.700	*11.000	7.550	*14.600	11.600
	1,5 m	kg	*6.950	4.650			8.500	5.550	11.700	7.450		
	0,0 m	kg	7.250	4.750			8.450	5.450	11.550	7.300	*15.450	10.850
	– 1,5 m	kg					8.650	5.450	*11.100	7.250	*13.700	9.800
	– 3,0 m	kg										
2,0 m	7,5 m	kg	*8.200	*8.200							*11.100	*10.300
	6,0 m	kg	*7.450	6.650					*10.050	8.250	*11.750	*10.950
	4,5 m	kg	*7.200	5.650			*8.550	5.750	*10.650	8.000	*13.500	11.400
	3,0 m	kg	*7.300	5.250			8.600	5.650	*11.500	7.700		
	1,5 m	kg	*7.650	5.100			8.450	5.550	11.650	7.450		
	0,0 m	kg	8.050	5.300			8.400	5.500	11.600	7.350	*15.050	10.900
	– 1,5 m	kg							*10.600	7.350		
	– 3,0 m	kg										

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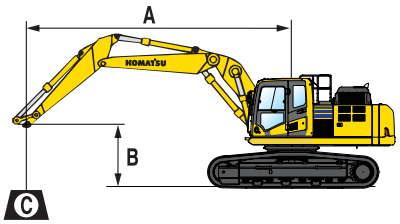
PC290NLC-11 TWO-PIECE BOOM



A – Reach from swing center

B – Bucket hook height

C – Lifting capacities

– Rating over front

– Rating over side

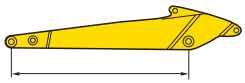
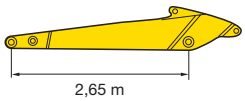
– Rating at maximum reach

With 700 mm shoes

Weights:

With 2,0 and 2,65 m arm: bucket linkage and bucket cylinder: 390 kg

With 3,2 and 3,5 m arm: bucket linkage and bucket cylinder: 363 kg

Arm length	A		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
	B											
 3,5 m	7,5 m	kg	*4.350	*4.350			*4.650	*4.650	*7.000	*7.000		
	6,0 m	kg	*4.100	*4.100			*6.850	5.600	*7.400	*7.400		
	4,5 m	kg	*4.000	*4.000	*3.300	4.100	*7.950	5.500	*8.750	7.650	*9.000	*9.000
	3,0 m	kg	*4.050	3.850	*4.700	4.050	*8.600	5.300	*10.250	7.300	*13.300	10.250
	1,5 m	kg	*4.250	3.750	5.000	3.950	8.400	5.100	*11.200	6.900	*14.500	10.100
	0,0 m	kg	*4.550	3.800	*4.850	3.900	8.150	4.950	11.550	6.650	*15.450	9.800
	– 1,5 m	kg	*5.100	4.100			7.950	4.900	11.100	6.500	*14.400	8.750
	– 3,0 m	kg							*10.350	6.550		
 3,2 m	7,5 m	kg	*4.750	*4.750					*7.550	*7.550		
	6,0 m	kg	*4.450	*4.450			*7.100	5.550	*8.100	7.850	*7.650	*7.650
	4,5 m	kg	*4.350	4.250			*8.350	5.450	*9.500	7.600	*10.650	*10.650
	3,0 m	kg	*4.400	4.000	*3.850	4.000	8.600	5.250	*10.550	7.200	*13.750	10.100
	1,5 m	kg	*4.550	3.900	*4.450	3.950	8.350	5.100	*11.400	6.850	*14.800	10.050
	0,0 m	kg	*4.950	4.000			8.150	4.950	11.500	6.650	*15.550	9.800
	– 1,5 m	kg	*5.550	4.250			7.950	4.900	11.100	6.550	*13.700	8.800
	– 3,0 m	kg										
 2,65 m	7,5 m	kg	*7.150	6.800					*9.250	7.800	*9.800	*9.800
	6,0 m	kg	*6.650	5.400			*7.050	5.450	*9.350	7.750	*10.200	*9.500
	4,5 m	kg	*6.500	4.700			8.800	5.400	*10.050	7.500	*12.450	10.700
	3,0 m	kg	*6.650	4.350			8.600	5.200	*11.000	7.150	*14.600	10.500
	1,5 m	kg	*6.950	4.250			8.500	5.100	11.700	6.850		
	0,0 m	kg	7.250	4.400			8.450	5.000	11.550	6.650	*15.450	9.800
	– 1,5 m	kg					8.650	5.000	*11.100	6.650	*13.700	8.900
	– 3,0 m	kg										
 2,0 m	7,5 m	kg	*8.200	8.150							*11.100	*10.300
	6,0 m	kg	*7.450	6.100					*10.050	7.600	*11.750	*10.950
	4,5 m	kg	*7.200	5.200			*8.550	5.300	*10.650	7.350	*13.500	10.400
	3,0 m	kg	*7.300	4.800			8.600	5.200	*11.500	7.050		
	1,5 m	kg	*7.650	4.700			8.450	5.100	11.650	6.800		
	0,0 m	kg	8.050	4.850			8.400	5.050	11.600	6.700	*15.050	9.900
	– 1,5 m	kg							*10.600	6.750		
	– 3,0 m	kg										

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Standard and Optional Equipment

PC290LC/NLC-11

ENGINE

Komatsu SAA6D107E-3 turbocharged common rail direct injection diesel engine	●
EU Stage V compliant	●
Suction type cooling fan with radiator fly screen	●
Automatic engine warm-up system	●
Engine overheat prevention system	●
Fuel control dial	●
Auto-deceleration function	●
Adjustable idle shutdown	●
Engine key stop	●
Engine ignition can be password secured on request	●
Alternator 24 V/90 A	●
Starter motor 24 V/5,5 kW	●
Batteries 2 × 12 V/180 Ah	●

HYDRAULIC SYSTEM

Electronic closed-centre load sensing (E-CLSS) hydraulic system (HydrauMind)	●
Pump and engine mutual control (PEMC) system	●
6-working mode selection system; Power mode, Economy mode, Breaker mode, Attachment Power and Attachment Economy mode, and Lifting/Fine Operation mode	●
PowerMax function	●
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	●
Additional hydraulic functions	○
Komatsu Integrated Attachment Control (KIAC)	○

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	●

UNDERCARRIAGE

Track roller guards	●
Track frame under-guards	●
600, 700, 800, 850 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-suspended 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 (AM/FM)	●
Auxiliary input (MP3 jack)	●
Lower wiper	○
Rain visor (not with OPG)	○
DAB+ digital radio w. auxiliary input (MP3 jack)	○

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 (3G)	●
Komatsu CARE™ – a maintenance program for Komatsu customers	●
Multifunction video compatible colour monitor with Equipment Management and Monitoring System (EMMS) and efficiency guidance	●
Toolkit	●
Service points	○
Automatic greasing system	○

WORK EQUIPMENT

Mono boom	○
Two-piece boom	○
Bucket linkage with lifting eye	○
2,0 m; 2,65 m; 3,2 m; 3,5 m arms	○
Komatsu buckets	○
Komatsu breakers	○

SAFETY EQUIPMENT

KomVision surround view 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	●
Seat belt caution indicator	●
Neutral position detection system	●
Arm safety valve	●
OPG Level II front guard (FOPS), hinged type	○
OPG Level II top guard (FOPS)	○

LED LIGHTING SYSTEM

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

OTHER EQUIPMENT

Standard counterweight	●
Remote greasing for swing circle and pins	●
Electric refuelling pump with automatic shut-off function	●
Biodegradable oil for hydraulic system	○
Customised paint	○

Further equipment on request

● standard equipment
○ optional equipment

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Fax +32-2-252 19 81
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