KOMATSU®

PC290LCi-11

Tier 4 Final Engine

PC290LCi

HYDRAULIC EXCAVATOR

NET HORSEPOWER
196 HP @ 2050 rpm
147 kW @ 2050 rpm

OPERATING WEIGHT
70,702–72,091 lb
32070–32700 kg

BUCKET CAPACITY
0.76–2.13 yd^3
0.58–1.63 m^3

intelligent MACHINE CONTROL

WALK-AROUND

PC360LCi-11 shown above.
Photos may include optional equipment.

NET HORSEPOWER
196 HP @ 2050 rpm
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0.58–1.63 m^3

MAKE EVERY PASS COUNT

Improve your efficiency – less time required to complete excavation to finish grade with intelligent Machine Control (see pg 5).

Semi-automatic operation – next generation technology goes beyond traditional machine guidance (indicate only) type systems.

Innovative

- intelligent Machine Control excavator features semi-automatic operation of work equipment for highly accurate work.
- Large 12.1" (30.7 cm) monitor neatly displays simultaneous information such as magnified fine grading view, 3D view, current as-built status, etc.

Integrated

- Complete factory installed integrated intelligent Machine Control system comes standard with stroke sensing hydraulic cylinders, Global Navigation Satellite System (GNSS) components and an Inertial Measurement Unit (IMU) sensor. All components are validated to Komatsu's rigid quality & durability standards.

Intelligent

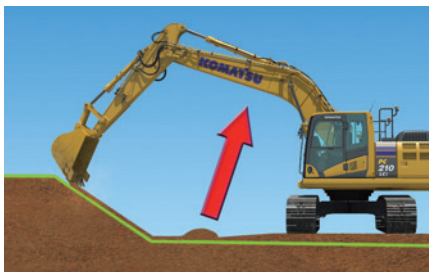
- intelligent Machine Control excavator allows the operator to focus on moving material efficiently while semi-automatically tracing the target surface and limiting over-excavation.
- Facing angle compass, light bar and sound guidance aid in ease of operation and bucket positioning.

iNTELLIGENT MACHINE CONTROL

Photo may include optional equipment. PC210LCi-11 shown.

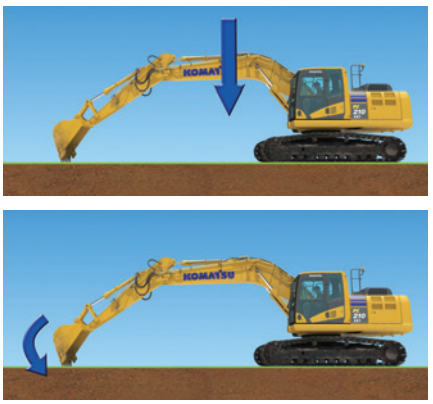
intelligent Machine Control

intelligent Machine Control is based on Komatsu's unique sensor package, including stroke sensing hydraulic cylinders, an IMU sensor, and GNSS antennas. It utilizes 3D design data loaded in the control box to accurately check its position against the target. If the bucket hits the target surface, it is semi-automatically limited to minimize over-excavation. If the operator turns off Auto mode, the machine can be operated with highly accurate, responsive machine guidance (indicate only).



• Auto grade assist

With the auto grade assist function, the operator moves the arm, the boom adjusts the bucket height automatically, tracing the target surface and minimizing digging too deep. This allows the operator to perform rough digging without worrying about the design surface, and to perform fine digging by operating the arm lever only. The working range is extended by holding the lever to move the boom downward.



• Auto stop control

During boom or bucket operation, the work equipment automatically stops when the bucket edge reaches the design surface, thus minimizing damage to the design surface.

• Minimum distance control

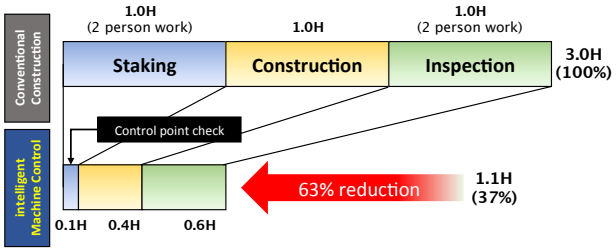
The intelligent Machine Control excavator controls the bucket by automatically selecting the point on the bucket closest to the target surface. Should the machine not be facing a sloped surface at a right angle, it will still follow the target surface and minimize digging below it.

intelligent MACHINE CONTROL

Improved Construction Efficiency

Staking, survey and final inspection (which is usually done manually), can be reduced with the intelligent Machine Control excavator by setting 3D design data on the control box. Also, use of the facing angle compass can minimize leveling work for the surface on which the machine sits. Even if the machine is inclined while working, the facing angle compass allows the operator to ensure that the machine is facing perpendicular to the target surface. The intelligent Machine Control technology allows the operator to improve work efficiency (i.e. shorter construction time) while minimizing over-excavating the target surface from rough digging to finish grading.

Comparison of Construction Time Based On In-House Test of Excavation and Grading Slope Surface

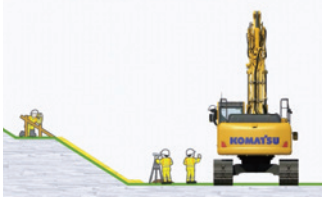


* When used by an expert operator, the Komatsu intelligent Machine Control system increases construction efficiency.
* The above data does not include design time or working data creation time. The above data is based on in-house construction tests, performed by Komatsu, whose conditions may differ from actual construction.

Comparison of Slope Shaping Work

Conventional construction

Shaping with reference to finishing stakes



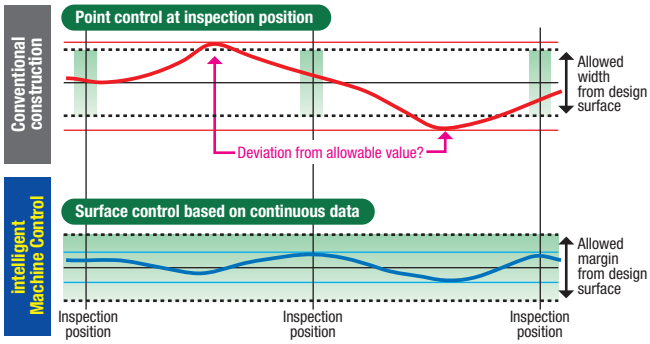
intelligent Machine Control

Reduces staking work and the number of assistant workers.

Improved Work Accuracy

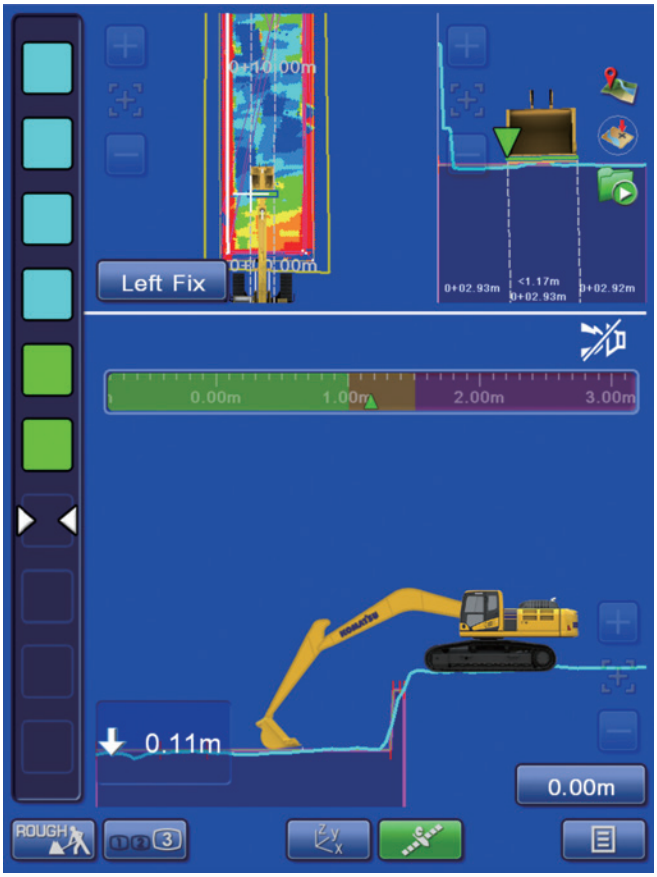
The bucket edge/tip position is instantly displayed on the control box, eliminating the wait time for display on the monitor during construction. The large and easy-to-view control box displays information clearly, aiding in highly accurate work. With manual operation and conventional machine guidance, finish grade quality and excavating accurately depends heavily on the skill of the operator. With the intelligent Machine Control excavator, the bucket is automatically limited to follow the target grade without over-excavating.

Relationship Between Finished Surface and Allowable Value



As-Built Surface Track Mapping

Operator can display and check the as-built status and find where to cut and fill.



iNTELLIGENT MACHINE CONTROL

CONTROL BOX

Light bar

Bucket edge position selection button
Used to select the bucket edge position (left/middle/right/minimum distance) to determine the distance from the design surface

Distance from design surface

Mode selection button
Driving, Rough digging, Fine digging modes

Screen selection button
Use to change the screen layout

Auto / Manual switch

Facing angle compass

Pop-up map button
Displays a wide-area map

Edge position recording button

Sound guidance ON/OFF

Bucket edge position check button

GNSS signal reception status check button
Used to check signal reception from the GNSS

Design surface offset
The design surface can be offset in the vertical direction

Main menu button
For various settings

Control Box

The monitor of the Komatsu intelligent Machine Control (control box) uses a large 12.1" (30.7 cm) screen for visibility and ease of use. The simple screen layout displays the necessary information in an easily understood fashion. Touch screen icon interface instead of multi-step menu simplifies operation.

Bucket Edge Guidance with Eyesight and Sound

Light bar

Colors show the bucket edge position relative to the target surface. Since the light bar is located on the left side of the screen, the bucket edge position can be viewed simply while operating, which increases the work efficiency.

Sound guidance

The operator can recognize the target surfaces not only by eyesight, but also by sound. Unique tones can be programmed for various bucket edge distances from the target surface.

Machine Navigation

Facing angle compass

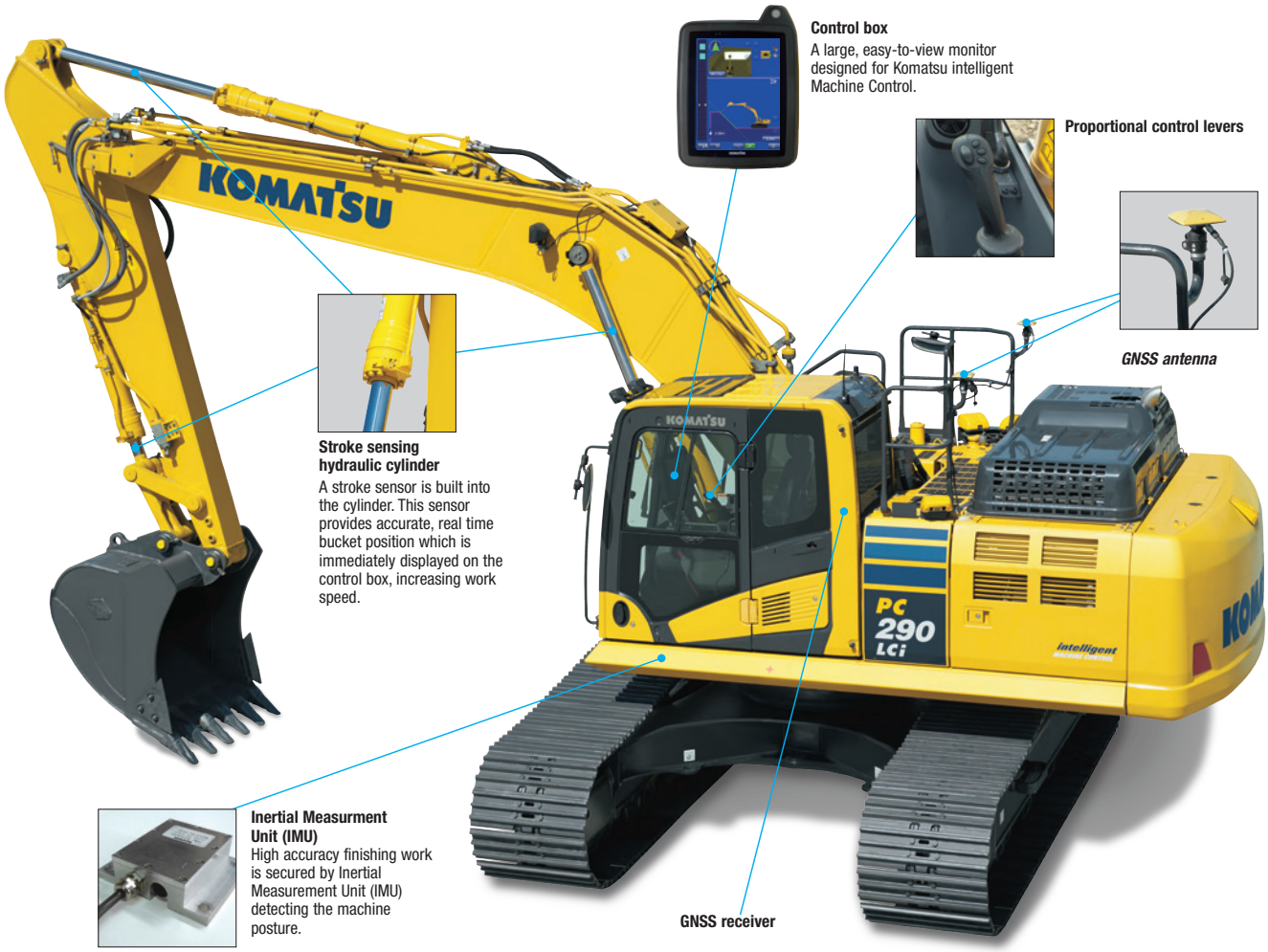
The orientation and color of the facing angle compass's arrow shows the operator the facing angle of the bucket edge relative to the target surface. This allows the bucket edge to be accurately positioned square with the target surface, which is useful when finishing slopes.

Enhanced operability of the machine control

Semi-auto/manual mode switching and design surface offset function can be operated with switches on the control levers.

intelligent MACHINE CONTROL

Factory Installed Komatsu intelligent Machine Control Components.



Control box
A large, easy-to-view monitor designed for Komatsu intelligent Machine Control.

Proportional control levers

GNSS antenna

Stroke sensing hydraulic cylinder
A stroke sensor is built into the cylinder. This sensor provides accurate, real time bucket position which is immediately displayed on the control box, increasing work speed.

Inertial Measurment Unit (IMU)
High accuracy finishing work is secured by Inertial Measurement Unit (IMU) detecting the machine posture.

GNSS receiver

TOPCON Sitelink 3D Enterprise

The Sitelink 3D Enterprise connects the office and machine via a network, to help visualize the worksite clearly.

Transmission of design data from office to machine

Sending messages from office to machine or vice versa

Progress information and as-built data can be sent to the office from the machine in real time.

Remote assistance function enables troubleshooting from anywhere via the internet.

Please contact your local distributor for details.
Sitelink 3D Enterprise sold separately.

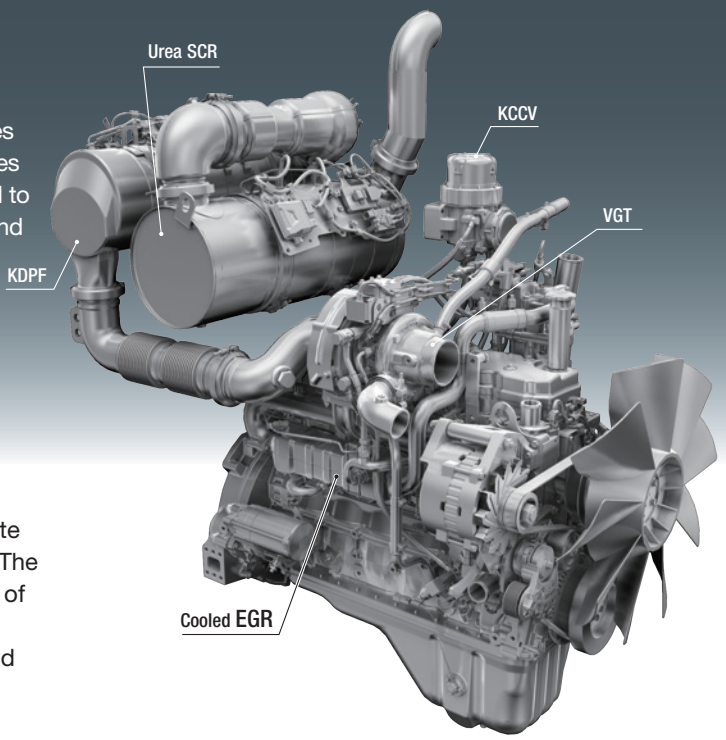
PERFORMANCE FEATURES

PC290LCi-11

KOMATSU NEW ENGINE TECHNOLOGIES

New Tier 4 Final Engine

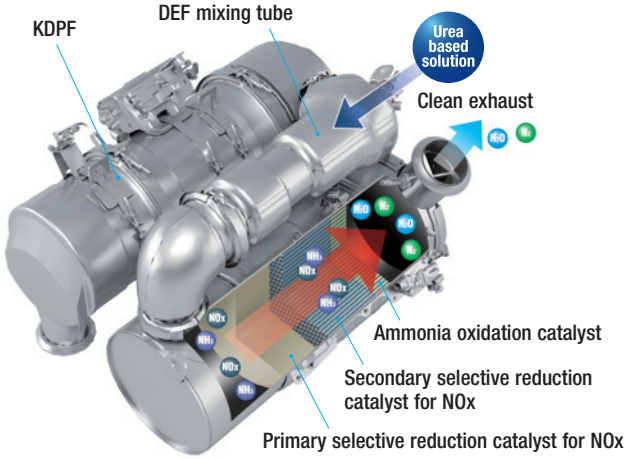
The Komatsu SAA6D107E-3 engine is EPA Tier 4 Final emissions certified and provides exceptional performance and efficiency. Based on Komatsu proprietary technologies developed over many years, this new diesel engine reduces nitrogen oxides (NOx) by more than 80% when compared to Tier 4 interim levels. Through the in-house development and production of engines, electronics, and hydraulic components, Komatsu has achieved great advancements in technology, providing high levels of performance and efficiency in virtually all applications.



Technologies Applied to New Engine

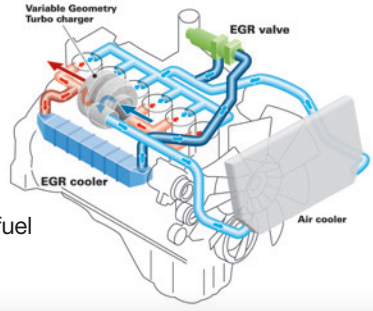
Heavy-duty aftertreatment system

This new system combines a Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR). The SCR NOx reduction system injects the correct amount of Diesel Exhaust Fluid (DEF) at the proper rate, thereby decomposing NOx into non-toxic water vapor (H_2O) and nitrogen gas (N_2).



Heavy-duty cooled Exhaust Gas Recirculation (EGR) system

The system recirculates a portion of exhaust gas into the air intake and lowers combustion temperatures, thereby reducing NOx emissions. EGR gas flow has been decreased for Tier 4 Final with the addition of SCR technology. The system achieves a dynamic reduction of NOx, while helping maintain T4 interim fuel consumption rates.

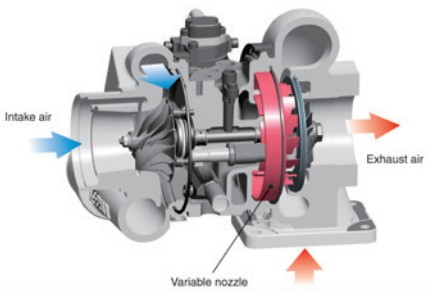


Advanced Electronic Control System

The electronic control system performs high-speed processing of all signals from sensors installed in the vehicle providing total control of equipment in all conditions of use. Engine condition information is displayed via an on-board network to the monitor inside the cab, providing necessary information to the operator. Additionally, managing the information via KOMTRAX helps customers keep up with required maintenance.

Variable Geometry Turbocharger (VGT) system

The VGT system features proven Komatsu designed hydraulic technology for variable control of air-flow and supplies optimal air according to load conditions. The upgraded version provides better exhaust temperature management.

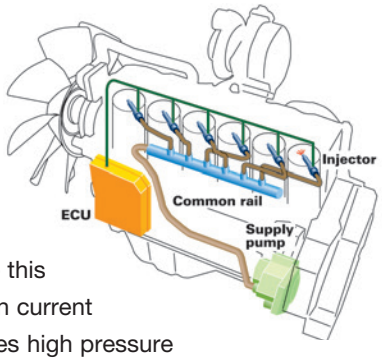


intelligent MACHINE CONTROL

Komatsu Auto Idle Shutdown

Komatsu auto idle shutdown automatically shuts down the engine after idling to reduce unnecessary fuel consumption and exhaust emissions. The amount of time before the engine is shutdown can be easily programmed from five to 60 minutes.

Heavy-Duty High-Pressure Common Rail (HPCR) Fuel Injection System



The system is designed to achieve an optimal injection of high-pressure fuel by means of computerized control, providing close-to-complete combustion to reduce PM emissions. While this technology is already used in current engines, the new system uses high pressure injection, thereby reducing PM emissions over the entire range of engine operating conditions. The Tier 4 Final engine has advanced fuel injection timing for reduced soot levels.

Increased Work Efficiency

Powerful digging force

Functional digging force can be increased with use of the one-touch Power Max. function (up to 8.5 seconds of operation).

Maximum arm crowd force (ISO)

124 kN(12.6t) ➡ **133 kN(13.6t)** (with Power Max.) **7% UP**

Maximum bucket digging force (ISO)

184 kN(18.8t) ➡ **198 kN(20.2t)** (with Power Max.) **8% UP**

Measured with Power Max. function, 3200 mm arm and ISO rating

PC290LC-11 shown above.

WORKING ENVIRONMENT

Photo may include optional equipment. PC210LCi-11 shown.

Comfortable Working Space

Wide spacious cab

Wide spacious cab includes seat with reclining backrest. The seat height and tilt angle easily adjust with a pull-up lever. You can set the appropriate operational posture of armrest together with the console. Reclining the seat further enables you to place it into the fully flat state with the headrest attached.

Arm rest with simple height adjustment function

The addition of a knob and a plunger to the armrest permits the height of the armrest to be easily adjusted without the use of tools.

Low vibration with cab damper mounting

Automatic climate control

Pressurized cab

Auxiliary input jack

Connecting a regular audio device to the auxiliary jack allows the operator to hear the sound from the speakers installed in the cab.

Standard Equipment

Sliding window glass (left side)

ISO/BH pattern change valve

Remote intermittent wiper with windshield washer

Easy to access AC controls

Opening & closing skylight

Magazine box & cup holder

Defroster
(conforms to the ISO standard)

One-touch storable front window lower glass

GENERAL FEATURES

intelligent MACHINE CONTROL

ROPS CAB STRUCTURE

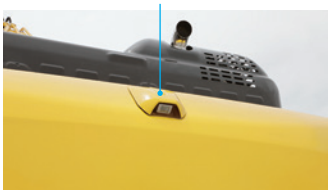
ROPS Cab (ISO 12117-2)

The machine is equipped with a ROPS cab that conforms to ISO 12117-2 for excavators as standard equipment. It also satisfies the requirements for Level 1 Operator Protective Guard (OPG) and top guard (ISO 10262).

Rearview Monitoring System

A new rearview monitoring system display has a rearview camera image that is continuously displayed together with the gauges and important vehicle information. This enables the operator to carry out work while easily checking the surrounding area.

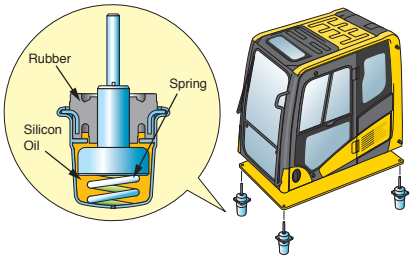
Rearview camera



Rearview image on monitor

Low Vibration with Viscous Cab Mounts

The PC290LC-11 uses viscous mounts for the cab that incorporate a longer stroke and the addition of a spring. The cab damper mounting combined with a high rigidity deck reduces vibration at the operator's seat.



General Features

Secondary engine shut down switch at base of seat to shutdown the engine.

Left and right side handrails

Seat belt caution indicator

Lock lever

Seat belt retractable

Tempered & tinted glass

Large mirrors

Slip-resistant plates

Thermal and fan guards

Pump/engine room partition

Travel alarm

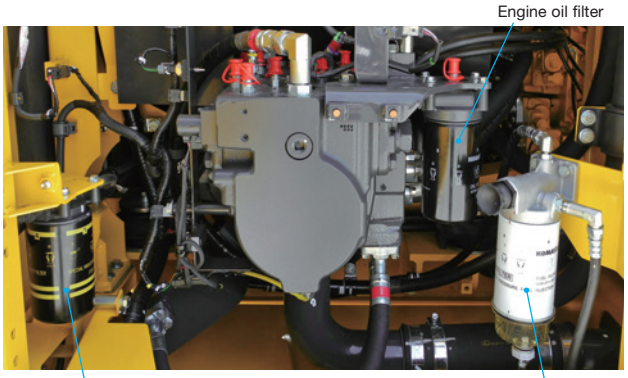
Large cab entrance step

Large easy-open hood for engine & aftertreatment access

MAINTENANCE FEATURES

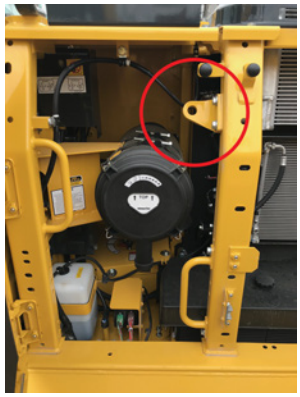
Centralized engine check points

Locations of the engine oil check and filters are integrated into one side to allow easy maintenance and service.



Tie Off Points Standard (ISO 14567)

When working in elevated positions on the boom and track frame tie off points provide anchors for technician harness lanyards.



Easy to access air conditioner filter

Washable cab floormat

Sloping track frame

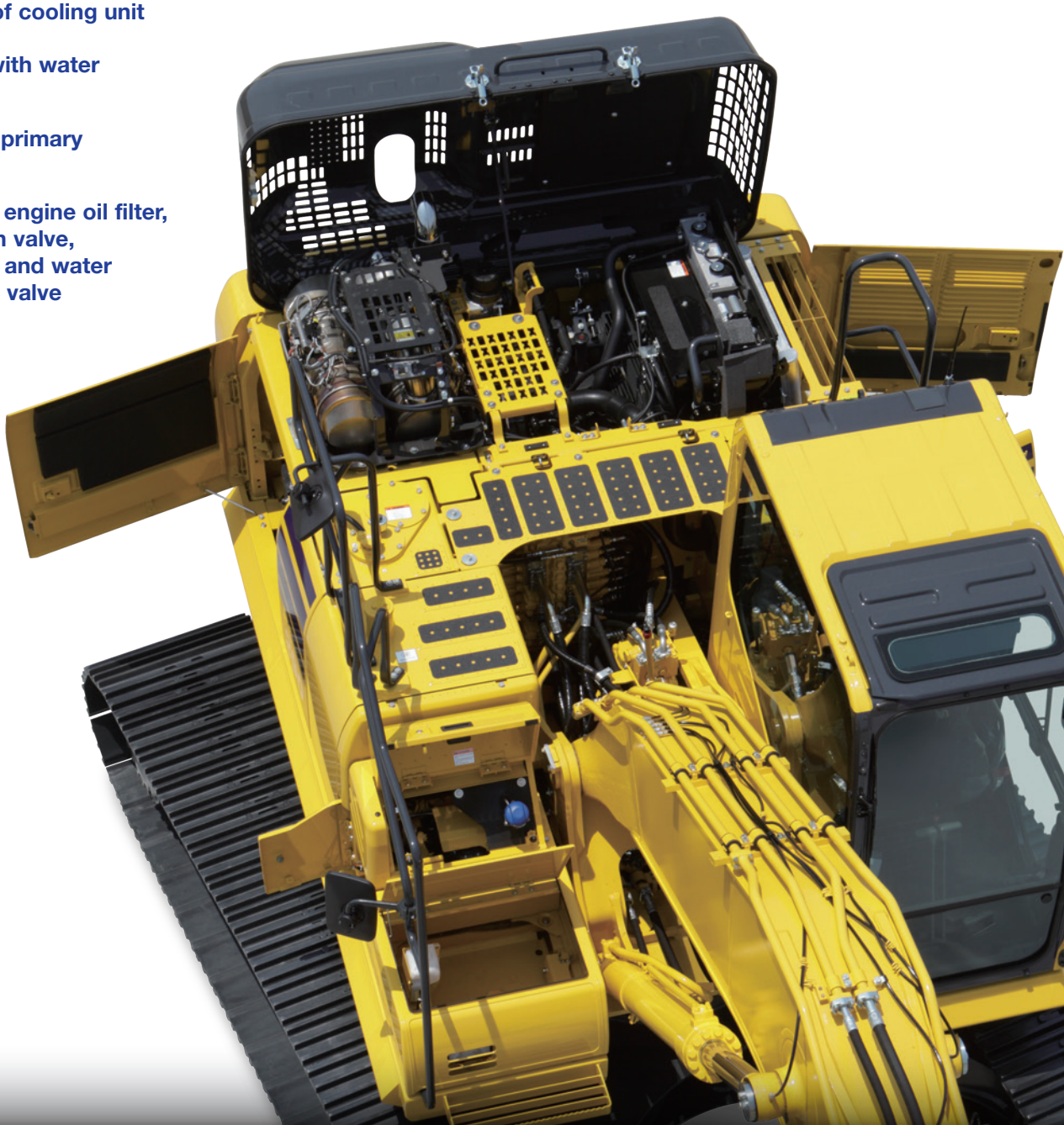
Utility space

Easy cleaning of cooling unit

Fuel pre-filter with water separator

High efficiency primary fuel filter

Easy access to engine oil filter, engine oil, drain valve, fuel drain valve and water separator drain valve



PC290LC-11 shown above.

intelligent MACHINE CONTROL

Long-life oils, filters

High performance filters are used in the hydraulic circuit and engine. By increasing the oil and filter replacement intervals, maintenance costs can be significantly reduced.

Engine oil & Engine oil filter	every 500 hours
Hydraulic oil	every 5000 hours
Hydraulic oil filter	every 1000 hours

Hydraulic oil filter
(Ecology white element)

Large capacity air cleaner

Large capacity air cleaner is comparable to that of larger machines. The larger air cleaner can extend air cleaner life during long-term operation and helps prevent early clogging, and resulting power loss. A radial seal design improves reliability.

Diesel Exhaust Fluid (DEF) tank

A large tank volume extends operating time before refilling and is installed on the right front platform for easy access. DEF tank and pump are separated for improved service access.

Maintenance Information

"Maintenance time caution lamp" display

When the remaining time to maintenance becomes less than 30 hours*, a maintenance time monitor appears. Pressing the F6 key switches the monitor to the maintenance screen.

* : The setting can be changed within the range between 10 and 200 hours.

Maintenance screen

Manual Stational Regeneration

Under most conditions, active regeneration will occur automatically with no effect on machine operation. In case the operator needs to disable active regeneration or initiate a manual stationary regeneration, this can be easily accomplished through the monitor panel. A soot level indicator is displayed to show how much soot is trapped in the KDPF.

Soot level indicator

Aftertreatment device regeneration screen

Supports the DEF level and refill timing

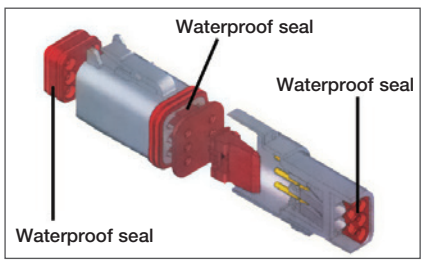
The DEF level gauge is displayed continuously on the right side of the monitor screen. In addition, when DEF level is low, DEF low level guidance messages appear in pop up displays to inform the operator in real time.

DEF level gauge

DEF low level guidance

DT-type connectors

Sealed DT-type electrical connectors provide high reliability, water and dust resistance.



KOMATSU PARTS & SERVICE SUPPORT

PC290LCi-11

KOMATSU CARE

Program Includes:
*The PC290LCi-11 comes standard with complimentary factory scheduled maintenance for the first 3 Years or 2,000 Hours, whichever occurs first.

Planned Maintenance Intervals at:
500/1000/1500/2000 hour intervals. (250 hr. initial interval for some products) Complimentary Maintenance Interval includes: Replacement of Oils & Fluid Filters with genuine Komatsu Parts, 50-Point inspection, Komatsu Oil & Wear Analysis Sampling (KOWA) / Travel & Mileage (distance set by distributor; additional charges may apply)

Benefits of Using Komatsu CARE

- Assurance of Proper Maintenance with OEM Parts & Service
- Increased Uptime & Efficiency
- Factory Certified Technicians Performing Work
- Cost of Ownership Savings
- Transferable Upon Resale

Complimentary KDPF Exchange

The PC290LCi-11 comes standard with 2 Complimentary KDPF Exchange Units for the first 5 years or 9,000 hours, whichever occurs first. Complimentary KDPF Exchange Units are provided at: The suggested KDPF Exchange Units Service Intervals of 4,500 hours and 9,000 hours during the first 5 years or 9,000 hours, whichever occurs first. End User must have authorized Komatsu distributor perform the removal and installation of the KDPF.

Complimentary SCR System Maintenance

The PC290LCi-11 also includes 2 factory suggested services of the Selective Catalytic Reduction (SCR) Diesel exhaust fluid (DEF) system during the the first 5 years or 9,000 hours, whichever occurs first–including: Factory suggested DEF tank flush and strainer cleaning at 4,500 hours and 9,000 hours.

Interval PM	500	1000	1500	2000
KOWA SAMPLING – (Engine, Hydraulics, L & R Swing Machinery, L & R Final Drives)	✓	✓	✓	✓
LUBRICATE MACHINE	✓	✓	✓	✓
LUBRICATE SWING CIRCLE	✓	✓	✓	✓
CHECK SWING PINION GREASE LEVEL AND ADD, WHEN NECESSARY	✓	✓	✓	✓
CHANGE ENGINE OIL	✓	✓	✓	✓
REPLACE ENGINE OIL FILTER	✓	✓	✓	✓
REPLACE FUEL PRE-FILTER	✓	✓	✓	✓
REPLACE AC FRESH & RECIRC AIR FILTERS	✓	✓	✓	✓
CLEAN AIR CLEANER ELEMENT	✓	✓	✓	✓
DRAIN SEDIMENT FROM FUEL TANK	✓	✓	✓	✓
COMPLETE 50 POINT INSPECTION FORM; LEAVE PINK COPY WITH CUSTOMER OR IN CAB	✓	✓	✓	✓
RESET MONITOR PANEL MAINTENANCE COUNTER FOR APPROPRIATE ITEMS	✓	✓	✓	✓
REPLACE HYDRAULIC TANK BREATHER ELEMENT		✓		✓
REPLACE DEF TANK BREATHER		✓		✓
CHECK DAMPER CASE OIL LEVEL, ADD WHEN NECESSARY		✓		✓
REPLACE FUEL MAIN FILTER		✓		✓
REPLACE HYDRAULIC OIL FILTER ELEMENT		✓		✓
CHANGE SWING MACHINERY OIL		✓		✓
CHANGE FINAL DRIVE OIL				✓
CLEAN HYDRAULIC TANK STRAINER				✓
REPLACE DEF FILTER				✓
REPLACE KCCV FILTER ELEMENT				✓
FACTORY TRAINED TECHNICIAN LABOR	✓	✓	✓	✓
2 KDPF Exchanges suggested at 4,500 Hrs and 9,000 Hrs.				
2 SCR System Maintenance Services suggested at 4,500 Hrs. and 9000 Hrs.				

Komatsu CARE® – Extended Coverage

- Extended Coverage can provide peace of mind by protecting customers from unplanned expenses that effect cash flow
- Purchasing extended coverage locks-in the cost of covered parts and labor for the coverage period and helps turn these into fixed costs

Komatsu Parts Support

- 24/7/365 to fulfill your parts needs
- 9 parts Distribution Centers strategically located across the U.S. and Canada
- Distributor network of more than 300 locations across U.S. and Canada to serve you
- Online part ordering through Komatsu eParts
- Remanufactured components with same-as-new warranties at a significant cost reduction

Komatsu Oil and Wear Analysis (KOWA)

- KOWA detects fuel dilution, coolant leaks, and measures wear metals
- Proactively maintain your equipment
- Maximize availability and performance
- Can identify potential problems before they lead to major repairs
- Reduce life cycle cost by extending component life

* Certain exclusions and limitations apply. Refer to the customer certificate for complete program details and eligibility. Komatsu® and Komatsu Care® are registered trademarks of Komatsu Ltd.

KOMTRAX EQUIPMENT MONITORING

intelligent MACHINE CONTROL

GET THE WHOLE STORY WITH KOMTRAX®

WHAT

- KOMTRAX is Komatsu's remote equipment monitoring and management system
- KOMTRAX **continuously monitors and records** machine health and operational data
- Information such as fuel consumption, utilization, and a detailed history **lowering owning and operating cost**

WHEN

- Know when your machines are **running or idling** and make decisions that will improve your fleet utilization
- Detailed movement records ensure you know when and where your equipment is moved
- Up to date records allow you to **know when maintenance is due** and help you plan for future maintenance needs

WHERE

- KOMTRAX data **can be accessed virtually anywhere** through your computer, the web or your smart phone
- Automatic alerts keep fleet managers up to date on the latest machine notifications

WHY

- Knowledge is power - **make informed decisions** to manage your fleet better
- Knowing your idle time and fuel consumption will help maximize your machine efficiency
- **Take control of your equipment** - any time, anywhere

WHO

- KOMTRAX is **standard** equipment on all Komatsu construction products

KOMTRAX®

For construction and compact equipment.

KOMTRAX Plus®

For production and mining class machines.

SPECIFICATIONS

PC290LCi-11

ENGINE

Model ..... Komatsu SAA6D107E-3*

Type ..... Water-cooled, 4-cycle, direct injection

Aspiration ..... Komatsu variable geometry turbocharged, aftercooled, cooled EGR

Number of cylinders 6

Bore ..... 107 mm **4.21"**

Stroke ..... 124 mm **4.88"**

Piston displacement ..... 6.69 ltr **408 in³**

Horsepower:
- SAE J1995 ..... Gross 159 kW **213 HP**
- ISO 9249 / SAE J1349 ..... Net 147 kW **196 HP**
- Rated rpm 2050

Fan drive method for radiator cooling ..... Mechanical

Governor ..... All-speed control, electronic

*EPA Tier 4 Final emissions certified

HYDRAULICS

Type ..... HydrauMind (Hydraulic Mechanical Intelligence) system, closed-center system with load sensing valves and pressure compensated valves

Number of selectable working modes 6

Main pump:

- Type ..... Variable displacement piston type
- Pumps for ..... Boom, arm, bucket, swing, and travel circuits
- Maximum flow ..... 479 ltr/min **126.5 gal/min**
- Supply for control circuit ..... Self-reducing valve

Hydraulic motors:

- Travel ..... 2 x axial piston motors with parking brake
- Swing ..... 1 x axial piston motor with swing holding brake

Relief valve setting:

- Implement circuits ..... 37.3 MPa 380 kg/cm² **5,400 psi**
- Travel circuit ..... 37.3 MPa 380 kg/cm² **5,400 psi**
- Swing circuit ..... 28.9 MPa 295 kg/cm² **4,190 psi**
- Pilot circuit ..... 3.2 MPa 33 kg/cm² **470 psi**

Hydraulic cylinders:

(Number of cylinders – bore x stroke x rod diameter)

- Boom 2–140 mm x 1300 mm x 100 mm **5.5" x 51.2" x 3.9"**
- Arm ....1–150 mm x 1635 mm x 110 mm **5.9" x 64.3" x 4.3"**
- Bucket 1–140 mm x 1009 mm x 100 mm **5.5" x 39.7" x 3.9"**

DRIVES AND BRAKES

Steering control ..... Two levers with pedals

Drive method ..... Hydrostatic

Maximum drawbar pull ..... 249 kN 25400 kg **56,000 lb**

Gradeability ..... 70%, 35°

Maximum travel speed:
- High ..... 5.5 km/h **3.4 mph**
- (Auto-Shift) Mid ..... 4.1 km/h **2.5 mph**
- (Auto-Shift) Low ..... 3.0 km/h **1.9 mph**

Service brake ..... Hydraulic lock

Parking brake ..... Mechanical disc brake

SWING SYSTEM

Drive method ..... Hydrostatic

Swing reduction ..... Planetary gear

Swing circle lubrication ..... Grease-bathed

Service brake ..... Hydraulic lock

Holding brake/Swing lock ..... Mechanical disc brake

Swing speed ..... 10.5 rpm

Swing torque ..... 8889 kg•m **64,292 ft lbs**

UNDERCARRIAGE

Center frame ..... X-frame

Track frame ..... Box-section

Seal of track ..... Sealed track

Track adjuster ..... Hydraulic

Number of shoes (each side) 48

Number of carrier rollers (each side) 2

Number of track rollers (each side) 8

COOLANT & LUBRICANT CAPACITY (REFILLING)

Fuel tank ..... 400 ltr **105.7 U.S. gal**

Coolant ..... 36 ltr **9.5 U.S. gal**

Engine ..... 23.1 ltr **6.1 U.S. gal**

Final drive, each side ..... 8.0 ltr **2.1 U.S. gal**

Swing drive ..... 7.2 ltr **1.9 U.S. gal**

Hydraulic tank ..... 132 ltr **34.9 U.S. gal**

Hydraulic system ..... 253 ltr **66.8 U.S. gal**

DEF tank ..... 23.1 ltr **6.1 U.S. gal**

SOUND PERFORMANCE

Exterior – ISO 6395 ..... 104 dB(A)

Operator – ISO 6396 ..... 70 dB(A)

OPERATING WEIGHT (APPROXIMATE)

Operating weight includes 6150 mm **20'2"** one-piece boom, 3200 mm **10'6"** arm, SAE heaped 1.63 m³ **2.13 yd³** bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Triple-Grouser Shoes	Operating Weight	Ground Pressure ISO 16754
700 mm	32070 kg	0.53 kg/cm²
28"	**70,702 lb**	**7.48 psi**
800 mm	32450 kg	0.46 kg/cm²
31.5"	**71,540 lb**	**6.63 psi**
850 mm	32700 kg	0.44 kg/cm²
33.5"	**72,091 lb**	**6.28 psi**

Component Weights

Arm including bucket cylinder and linkage
- 3200 mm **10'6"** arm assembly ..... 1432 kg **3,157 lb**
- 3500 mm **11'6"** arm assembly ..... 1504 kg **3,316 lb**

One piece boom including arm cylinder
- 6150 mm **20'2"** boom asssembly ..... 2448 kg **5,397 lb**

Boom cylinders x 2 ..... 231 kg **509 lb**

Counterweight ..... 5200 kg **11,464 lb**
- 1.63 m³ **2.13 yd³** bucket - 54" width ..... 1168 kg **2,576 lb**

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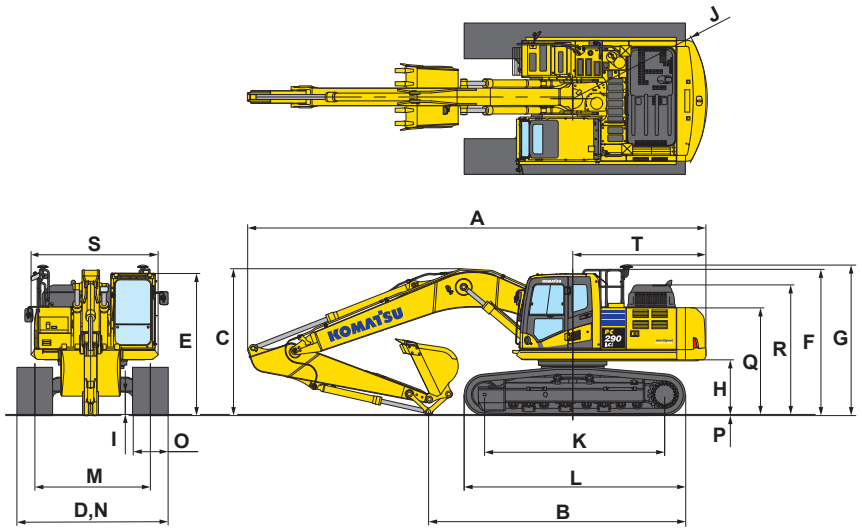
DIMENSIONS

	Arm Length	3200 mm	10'6"	3500 mm	11'6"
A	Overall length	10265 mm	**33'8"**	10275 mm	**33'8"**
B	Length on ground (transport)	5770 mm	**18'11"**	5495 mm	**18'0"**
C	Overall height (to top of boom)*	3295 mm	**10'10"**	3375 mm	**11'0"**
D	Overall width	3390 mm	**11'1"**		
E	Overall height (to top of cab)*	3180 mm	**10'5"**		
F	Overall height (to top of handrail)*	3275 mm	**10'9"**		
G	Overall height (to top of GNSS antenna)*	3345 mm	**11'0"**		
H	Ground clearance, counterweight	1215 mm	**4' 0"**		
I	Ground clearance, minimum	495 mm	**1'7"**		
J	Tail swing radius	3020 mm	**9'11"**		
K	Track length on ground	4030 mm	**13'3"**		
L	Track length	4955 mm	**16'3"**		
M	Track gauge	2590 mm	**8'6"**		
N	Width of crawler 700 mm **28"** shoe	3290 mm	**10'7"**		
	Width of crawler 800 mm **31.5"** shoe	3390 mm	**11'1"**		
	Width of crawler 850 mm **33.5"** shoe	3440 mm	**11'3"**		
O	Shoe width	800 mm	**31.5"**		
P	Grouser height	36 mm	**1.4"**		
Q	Machine cab height	2380 mm	**7'10"**		
R	Machine height to top of engine cover	2895 mm	**9'6"**		
S	Machine upper width	2850 mm	**9'4"**		
T	Distance, swing center to rear end	2985 mm	**9'10"**		

***** : Including grouser height



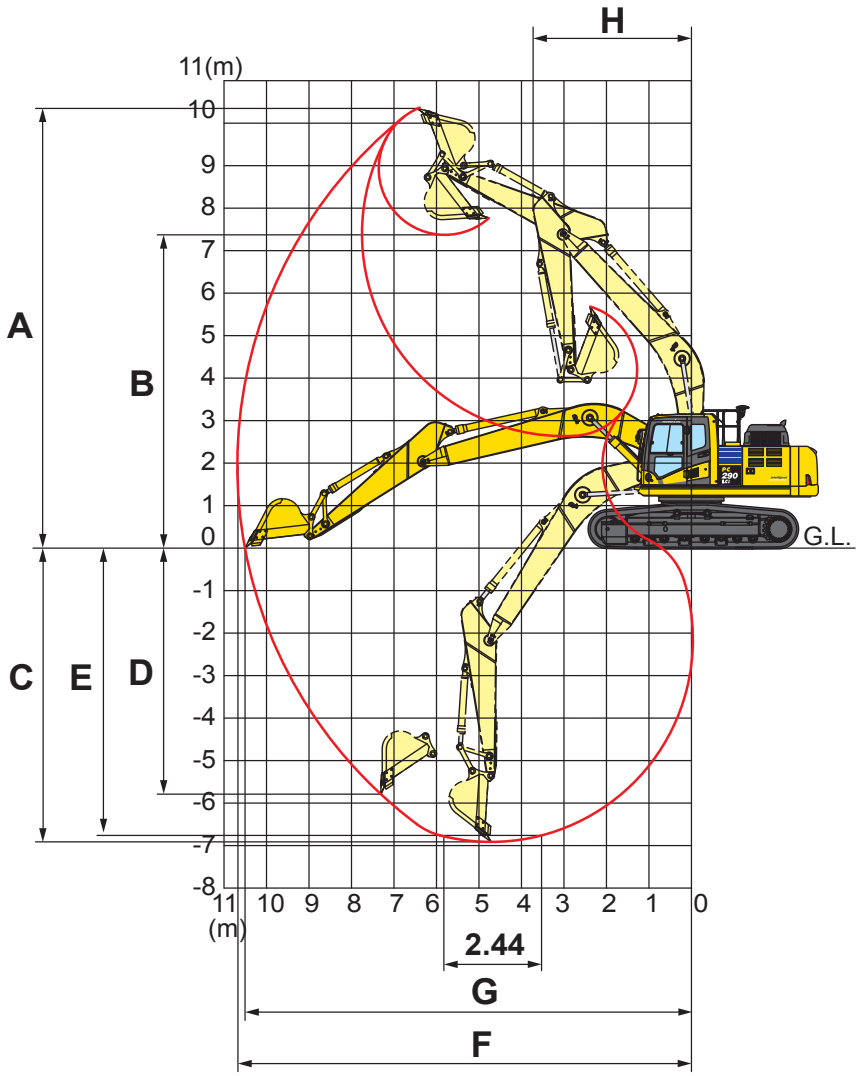
BACKHOE BUCKET, ARM AND BOOM COMBINATION

Bucket Type	Bucket Capacity		Bucket Width		Bucket Weight		6.15 m (20'2") Boom 3.2 m (10'6")	6.15 m (20'2") Boom 3.5 m (11'6")
Komatsu TL	0.58 m³	**0.76 yd³**	610 mm	**24"**	717 kg	**1571 lb**	●	●
	0.78 m³	**1.02 yd³**	762 mm	**30"**	837 kg	**1846 lb**	●	●
	0.99 m³	**1.29 yd³**	914 mm	**36"**	938 kg	**2067 lb**	●	●
	1.20 m³	**1.57 yd³**	1067 mm	**42"**	1018 kg	**2245 lb**	●	●
	1.41 m³	**1.85 yd³**	1219 mm	**48"**	1090 kg	**2404 lb**	○	○
	1.63 m³	**2.13 yd³**	1372 mm	**54"**	1183 kg	**2608 lb**	○	□
Komatsu HP	0.58 m³	**0.76 yd³**	610 mm	**24"**	717 kg	**1581 lb**	●	●
	0.78 m³	**1.02 yd³**	762 mm	**30"**	929 kg	**2049 lb**	●	●
	0.99 m³	**1.29 yd³**	914 mm	**36"**	1051 kg	**2317 lb**	●	●
	1.20 m³	**1.57 yd³**	1067 mm	**42"**	1151 kg	**2538 lb**	●	●
	1.41 m³	**1.85 yd³**	1219 mm	**48"**	1273 kg	**2807 lb**	○	○
	1.63 m³	**2.13 yd³**	1372 mm	**54"**	1404 kg	**3095 lb**	○	□
Komatsu HPS	0.58 m³	**0.76 yd³**	610 mm	**24"**	848 kg	**1871 lb**	●	●
	0.78 m³	**1.02 yd³**	762 mm	**30"**	990 kg	**2184 lb**	●	●
	0.99 m³	**1.29 yd³**	914 mm	**36"**	1125 kg	**2481 lb**	●	●
	1.20 m³	**1.57 yd³**	1067 mm	**42"**	1239 kg	**2731 lb**	●	●
	1.41 m³	**1.85 yd³**	1219 mm	**48"**	1338 kg	**2950 lb**	○	□
	1.63 m³	**2.13 yd³**	1372 mm	**54"**	1458 kg	**3213 lb**	□	⊙
Komatsu HPX	0.58 m³	**0.76 yd³**	610 mm	**24"**	951 kg	**2097 lb**	●	●
	0.78 m³	**1.02 yd³**	762 mm	**30"**	1092 kg	**2408 lb**	●	●
	0.99 m³	**1.29 yd³**	914 mm	**36"**	1233 kg	**2719 lb**	●	●
	1.20 m³	**1.57 yd³**	1067 mm	**42"**	1354 kg	**2984 lb**	●	○
	1.41 m³	**1.85 yd³**	1219 mm	**48"**	1475 kg	**3252 lb**	○	□
	1.63 m³	**2.13 yd³**	1372 mm	**54"**	1585 kg	**3494 lb**	□	⊙

● - Used with material weights up to 3,500 lb/yd³ - Quarry/rock/high abrasion applications
□ - Used with material weights up to 2,500 lb/yd³ – General construction
○ - Used with material weights up to 3,000 lb/yd³ – Tough digging applications
⊙ - Used with material weights up to 2,000 lb/yd³ – Light materials applications
X - Not useable

SPECIFICATIONS

WORKING RANGE

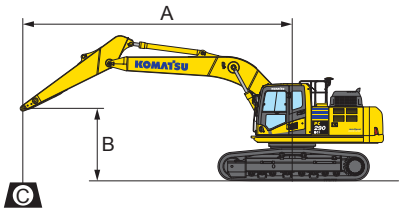


	Arm Length	3200 mm	10'6"	3500 mm	11'6"
A	Max. digging height	10300 mm	**33'10"**	10335 mm	**33'11"**
B	Max. dumping height	7375 mm	**24'2"**	7440 mm	**24'5"**
C	Max. digging depth	6820 mm	**22'5"**	7120 mm	**23'4"**
D	Max. vertical wall digging depth	5740 mm	**18'10"**	5850 mm	**19'2"**
E	Max. digging depth for 8' level bottom	6750 mm	**22'2"**	7070 mm	**23'2"**
F	Max. digging reach	10710 mm	**35'2"**	10890 mm	**35'8"**
G	Max. digging reach at ground level	10450 mm	**34'3"**	10715 mm	**35'2"**
H	Min. swing radius	3680 mm	**12'1"**	3740 mm	**12'3"**
SAE rating	Bucket digging force at power max.	176 kN 17900 kg / **39,463 lb**		176 kN 17900 kg / **39,463 lb**	
	Arm crowd force at power max.	129 kN 13100 kg / **28,881 lb**		121 kN 12400 kg / **27,337 lb**	
ISO rating	Bucket digging force at power max.	198 kN 20200 kg / **44,533 lb**		198 kN 20200 kg / **44,533 lb**	
	Arm crowd force at power max.	133 kN 13600 kg / **29,983 lb**		125 kN 12800 kg / **28,219 lb**	

LIFT CAPACITIES

intelligent MACHINE CONTROL

LIFTING CAPACITY WITH LIFTING MODE



A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊗: Rating at maximum reach

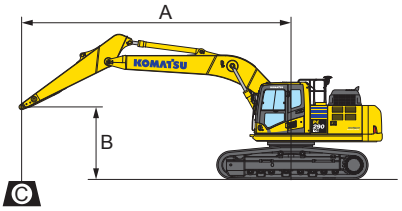
Conditions:
- Boom length: 6150 mm **20' 2"**
- Bucket: None
- Lifting mode: On

Arm: 3200 mm **10'6"** **Bucket:** None **Shoes:** 800 mm **31.5"** triple grouser **Unit:** kg **lb**

A / B	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX ⊗	MAX Cf	MAX Cs
7.6 m **25'**											7.1 m **23'**	* 4700 * **10400**	* 4700 * **10400**
6.1 m **20'**					* 7350 * **16200**	* 7350 * **16200**	* 6350 * **14000**	5950 **13100**			8.1 m **26'**	* 4500 * **10000**	* 4500 * **10000**
4.6 m **15'**			* 9700 * **21300**	* 9700 * **21300**	* 8250 * **18200**	8150 **18000**	* 7550 * **16700**	5850 **12900**			8.7 m **29'**	* 4500 * **10000**	* 4500 * **10000**
3.0 m **10'**			* 12350 * **27300**	11800 **26000**	* 9550 * **21100**	7800 **17200**	* 8200 * **18000**	5650 **12500**			9.0 m **30'**	* 4650 * **10300**	4450 **9800**
1.5 m **5'**			* 14700 * **32400**	11050 **24400**	* 10800 * **23800**	7450 **16400**	8650 **19100**	5500 **12100**			9.1 m **30'**	* 5000 * **11000**	4300 **9500**
0 m **0'**	* 7300 * **16200**	* 7300 * **16200**	* 15850 * **34900**	10700 **23600**	* 11600 * **25600**	7200 **15900**	8500 **18700**	5350 **11800**			8.9 m **29'**	* 5500 * **12200**	4400 **9700**
-1.5 m **-5'**	* 12550 * **27700**	* 12550 * **27700**	* 15850 * **35000**	10550 **23300**	11600 **25600**	7100 **15600**	8400 **18600**	5300 **11700**			8.4 m **28'**	* 6450 * **14200**	4700 **10400**
-3.0 m **-10'**	* 19250 * **42500**	* 19250 * **42500**	* 14900 * **32900**	10650 **23400**	* 11300 * **24900**	7100 **15700**					7.6 m **25'**	* 8200 * **18100**	5400 **11900**
-4.6 m **-15'**	* 17100 * **37800**	* 17100 * **37800**	* 12600 * **27800**	10850 **23900**	* 9250 * **20400**	7300 **16100**					6.3 m **21'**	* 8800 * **19400**	7000 **15400**

*Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Total weight of bucket and/or installed attachments must be deducted from the capacities shown above. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.

LIFTING CAPACITY WITH LIFTING MODE



A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊗: Rating at maximum reach

Conditions:
- Boom length: 6150 mm **20' 2"**
- Bucket: None
- Lifting mode: On

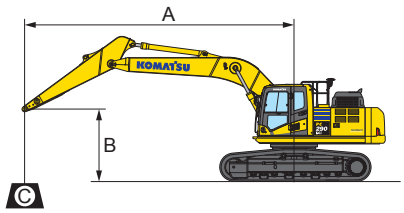
Arm: 3500 mm **11'6"** **Bucket:** None **Shoes:** 800 mm **31.5"** triple grouser **Unit:** kg **lb**

A / B	1.5 m 5' Cf	1.5 m 5' Cs	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX ⊗	MAX Cf	MAX Cs
7.6 m **25'**													7.4 m **24'**	* 4300 * **9500**	* 4300 * **9500**
6.1 m **20 '**									* 6300 * **13900**	6000 **13200**			8.3 m **27'**	* 4150 * **9200**	* 4150 * **9200**
4.6 m **15'**							* 7900 * **17400**	* 7900 * **17400**	* 7250 * **16000**	5850 **12900**			8.9 m **29'**	* 4150 * **9200**	* 4150 * **9200**
3.0 m **10'**					* 11750 * **25900**	* 11750 * **25900**	* 9200 * **20300**	7800 **17200**	* 7950 * **17500**	5700 **12500**	* 5000 * **11000**	4350 **9600**	9.3 m **30'**	* 4300 * **9500**	4250 **9400**
1.5 m **5'**					* 14200 * **31300**	11100 **24500**	* 10500 * **23100**	7450 **16400**	* 8650 * **19000**	5500 **12100**	* 5750 * **12700**	4250 **9400**	9.3 m **31'**	* 4550 * **10100**	4150 **9100**
0 m **0'**			* 8200 * **18100**	* 8200 * **18100**	* 15600 * **34300**	10650 **23500**	* 11400 * **25200**	7150 **15800**	8450 **18700**	5350 **11800**			9.1 m **30'**	* 5050 * **11100**	4200 **9300**
-1.5 m **-5'**	* 8150 * **18000**	* 8150 * **18000**	* 12500 * **27500**	* 12500 * **27500**	* 15850 * **34900**	10450 **23100**	11550 **25500**	7000 **15500**	8350 **18500**	5250 **11600**			8.7 m **28'**	* 5850 * **12900**	4450 **9900**
-3.0 m **-10'**	* 12800 * **28200**	* 12800 * **28200**	* 18250 * **40300**	* 18250 * **40300**	* 15100 * **33300**	10500 **23200**	* 11400 * **25100**	7000 **15500**	8400 **18500**	5250 **11600**			7.9 m **26'**	* 7350 * **16300**	5050 **11200**
-4.6 m **-15'**			* 18100 * **39900**	* 18100 * **39900**	* 13150 * **29000**	10700 **23600**	* 9800 * **21600**	7150 **15800**					6.6 m **22'**	* 8650 * **19100**	6400 **14200**

*Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Total weight of bucket and/or installed attachments must be deducted from the capacities shown above. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.

LIFT CAPACITIES

LIFTING CAPACITY WITH LIFTING MODE



A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊗: Rating at maximum reach

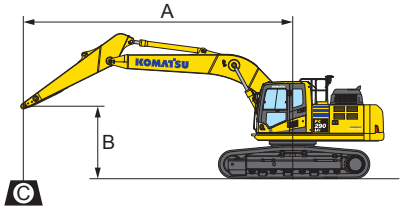
Conditions:
- Boom length: 6150 mm **20' 2"**
- Bucket: None
- Lifting mode: On

Arm: 3200 mm **10'6"** **Bucket:** None **Shoes:** 700 mm **28"** triple grouser **Unit:** kg **lb**

A / B	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX ⊗	MAX Cf	MAX Cs
7.6 m **25'**											7.1 m **23'**	* 4700 * **10400**	* 4700 * **10400**
6.1 m **20 '**					* 7350 * **16200**	* 7350 * **16200**	* 6350 * **14000**	5900 **13000**			8.1 m **26'**	* 4500 * **10000**	* 4500 * **10000**
4.6 m **15'**			* 9700 * **21300**	* 9700 * **21300**	* 8250 * **18200**	8050 **17800**	* 7550 * **16700**	5800 **12700**			8.7 m **29'**	* 4500 * **10000**	* 4500 * **10000**
3.0 m **10'**			* 12350 * **27300**	11650 **25700**	* 9550 * **21100**	7700 **17000**	* 8200 * **18000**	5600 **12400**			9.0 m **30'**	* 4650 * **10300**	4400 **9700**
1.5 m **5'**			* 14700 * **32400**	10950 **24100**	* 10800 * **23800**	7350 **16200**	8550 **18800**	5450 **12000**			9.1 m **30'**	* 5000 * **11000**	4250 **9400**
0 m **0'**	* 7300 * **16200**	* 7300 * **16200**	* 15850 * **34900**	10550 **23300**	11600 **25600**	7100 **15700**	8400 **18500**	5300 **11700**			8.9 m **29'**	* 5500 * **12200**	4350 **9600**
-1.5 m **-5'**	* 12550 * **27700**	* 12550 * **27700**	* 15850 * **35000**	10450 **23000**	11500 **25300**	7000 **15400**	8300 **18300**	5250 **11500**			8.4 m **28'**	* 6450 * **14200**	4650 **10200**
-3.0 m **-10'**	* 19250 * **42500**	* 19250 * **42500**	* 14900 * **32900**	10500 **23200**	* 11300 * **24900**	7000 **15500**					7.6 m **25'**	* 8200 * **18100**	5300 **11700**
-4.6 m **-15'**	* 17100 * **37800**	* 17100 * **37800**	* 12600 * **27800**	10750 **23700**	* 9250 * **20400**	7200 **15900**					6.3 m **21'**	* 8800 * **19400**	6900 **15300**

*Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Total weight of bucket and/or installed attachments must be deducted from the capacities shown above. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.

LIFTING CAPACITY WITH LIFTING MODE



A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊗: Rating at maximum reach

Conditions:
- Boom length: 6150 mm **20' 2"**
- Bucket: None
- Lifting mode: On

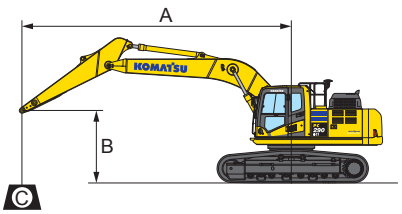
Arm: 3500 mm **11'6"** **Bucket:** None **Shoes:** 700 mm **28"** triple grouser **Unit:** kg **lb**

A / B	1.5 m 5' Cf	1.5 m 5' Cs	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX ⊗	MAX Cf	MAX Cs
7.6 m **25'**													7.4 m **24'**	* 4300 * **9500**	* 4300 * **9500**
6.1 m **20 '**									* 6300 * **13900**	5950 **13100**			8.3 m **27'**	* 4150 * **9200**	* 4150 * **9200**
4.6 m **15'**							* 7900 * **17400**	* 7900 * **17400**	* 7250 * **16000**	5800 **12800**			8.9 m **29'**	* 4150 * **9200**	* 4150 * **9200**
3.0 m **10'**					* 11750 * **25900**	11750 **25900**	* 9200 * **20300**	7750 **17000**	* 7950 * **17500**	5600 **12400**	* 5000 * **11000**	4300 **9500**	9.3 m **30'**	* 4300 * **9500**	4200 **9300**
1.5 m **5'**					* 14200 * **31300**	10950 **24200**	* 10500 * **23100**	7350 **16200**	8550 **18800**	5400 **12000**	* 5750 * **12700**	4200 **9300**	9.3 m **31'**	* 4550 * **10100**	4100 **9000**
0 m **0'**			* 8200 * **18100**	* 8200 * **18100**	* 15600 * **34300**	10500 **23200**	* 11400 * **25200**	7100 **15600**	8350 **18400**	5250 **11600**			9.1 m **30'**	* 5050 * **11100**	4150 **9200**
-1.5 m **-5'**	* 8150 * **18000**	* 8150 * **18000**	* 12500 * **27500**	* 12500 * **27500**	* 15850 * **34900**	10350 **22800**	11400 **25200**	6950 **15300**	8250 **18200**	5200 **11400**			8.7 m **28'**	* 5850 * **12900**	4400 **9700**
-3.0 m **-10'**	* 12800 * **28200**	* 12800 * **28200**	* 18250 * **40300**	* 18250 * **40300**	* 15100 * **33300**	10400 **22900**	* 11400 * **25100**	6950 **15300**	8300 **18300**	5200 **11500**			7.9 m **26'**	* 7350 * **16300**	5000 **11000**
-4.6 m **-15'**			* 18100 * **39900**	* 18100 * **39900**	* 13150 * **29000**	10550 **23300**	* 9800 * **21600**	7050 **15600**					6.6 m **22'**	* 8650 * **19100**	6350 **14000**

*Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Total weight of bucket and/or installed attachments must be deducted from the capacities shown above. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.

intelligent MACHINE CONTROL

LIFTING CAPACITY WITH LIFTING MODE



A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊗ : Rating at maximum reach

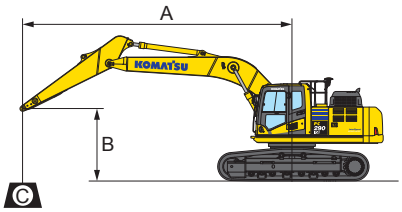
Conditions:
- Boom length: 6150 mm **20' 2"**
- Bucket: None
- Lifting mode: On

Arm: 3200 mm **10'6"** **Bucket:** None **Shoes:** 850 mm **33.5"** triple grouser **Unit:** kg **lb**

A / B	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX ⊗	MAX Cf	MAX Cs
7.6 m **25'**											7.1 m **23'**	* 4700 * **10400**	* 4700 * **10400**
6.1 m **20'**					* 7350 * **16200**	* 7350 * **16200**	* 6350 * **14000**	5950 **13200**			8.1 m **26'**	* 4500 * **10000**	* 4500 * **10000**
4.6 m **15'**			* 9700 * **21300**	* 9700 * **21300**	* 8250 * **18200**	8200 **18100**	* 7550 * **16700**	5850 **13000**			8.7 m **29'**	* 4500 * **10000**	* 4500 * **10000**
3.0 m **10'**			* 12350 * **27300**	11850 **26100**	* 9550 * **21100**	7850 **17300**	* 8200 * **18000**	5700 **12600**			9.0 m **30'**	* 4650 * **10300**	4450 **9800**
1.5 m **5'**			* 14700 * **32400**	11150 **24500**	* 10800 * **23800**	7500 **16500**	8700 **19200**	5550 **12200**			9.1 m **30'**	* 5000 * **11000**	4350 **9600**
0 m **0'**	* 7300 * **16200**	* 7300 * **16200**	* 15850 * **34900**	10750 **23700**	* 11600 * **25600**	7250 **16000**	8550 **18800**	5400 **11900**			8.9 m **29'**	* 5500 * **12200**	4400 **9700**
-1.5 m **-5'**	* 12550 * **27700**	* 12550 * **27700**	* 15850 * **35000**	10650 **23400**	11700 **25800**	7150 **15700**	8450 **18700**	5350 **11700**			8.4 m **28'**	* 6450 * **14200**	4700 **10400**
-3.0 m **-10'**	* 19250 * **42500**	* 19250 * **42500**	* 14900 * **32900**	10700 **23600**	* 11300 * **24900**	7150 **15700**					7.6 m **25'**	* 8200 * **18100**	5400 **12000**
-4.6 m **-15'**	* 17100 * **37800**	* 17100 * **37800**	* 12600 * **27800**	10900 **24100**	* 9250 * **20400**	7300 **16200**					6.3 m **21'**	* 8800 * **19400**	7050 **15500**

*Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Total weight of bucket and/or installed attachments must be deducted from the capacities shown above. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.

LIFTING CAPACITY WITH LIFTING MODE



A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊗ : Rating at maximum reach

Conditions:
- Boom length: 6150 mm **20' 2"**
- Bucket: None
- Lifting mode: On

Arm: 3500 mm **11'6"** **Bucket:** None **Shoes:** 850 mm **33.5"** triple grouser **Unit:** kg **lb**

A / B	1.5 m 5' Cf	1.5 m 5' Cs	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX ⊗	MAX Cf	MAX Cs
7.6 m **25'**													7.4 m **24'**	* 4300 * **9500**	* 4300 * **9500**
6.1 m **20 '**									* 6300 * **13900**	6000 **13300**			8.3 m **27'**	* 4150 * **9200**	* 4150 * **9200**
4.6 m **15'**							* 7900 * **17400**	* 7900 * **17400**	* 7250 * **16000**	5900 **13000**			8.9 m **29'**	* 4150 * **9200**	4150 **9200**
3.0 m **10'**					* 11750 * **25900**	11750 **25900**	* 9200 * **20300**	7850 **17300**	* 7950 * **17500**	5700 **12600**	* 5000 * **11000**	4350 **9600**	9.3 m **30'**	* 4300 * **9500**	4300 **9500**
1.5 m **5'**					* 14200 * **31300**	11150 **24600**	* 10500 * **23100**	7500 **16500**	8650 **19000**	5500 **12200**	* 5750 * **12700**	4300 **9400**	9.3 m **31'**	* 4550 * **10100**	4150 **9200**
0 m **0'**			* 8200 * **18100**	* 8200 * **18100**	* 15600 * **34300**	10700 **23600**	* 11400 * **25200**	7200 **15900**	8500 **18800**	5350 **11800**			9.1 m **30'**	* 5050 * **11100**	4250 **9300**
-1.5 m **-5'**	* 8150 * **18000**	* 8150 * **18000**	* 12500 * **27500**	* 12500 * **27500**	* 15850 * **34900**	10550 **23200**	11650 **25700**	7050 **15600**	8400 **18600**	5300 **11600**			8.7 m **28'**	* 5850 * **12900**	4500 **9900**
-3.0 m **-10'**	* 12800 * **28200**	* 12800 * **28200**	* 18250 * **40300**	* 18250 * **40300**	* 15100 * **33300**	10550 **23300**	* 11400 * **25100**	7050 **15600**	8450 **18600**	5300 **11700**			7.9 m **26'**	* 7350 * **16300**	5100 **11200**
-4.6 m **-15'**			* 18100 * **39900**	* 18100 * **39900**	* 13150 * **29000**	10750 **23700**	* 9800 * **21600**	7200 **15900**					6.6 m **22'**	* 8650 * **19100**	6450 **14300**

*Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Total weight of bucket and/or installed attachments must be deducted from the capacities shown above. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.

STANDARD EQUIPMENT

- 3 Speed travel with auto shift
- Alternator, 90 Ampere, 24V
- AM/FM radio
- Automatic engine warm-up system
- Automatic air conditioner/heater
- Auto idle
- Auto Idle Shutdown (programmable)
- Lever lock auto-lock
- Auxiliary input (3.5 mm jack)
- Batteries, large capacity
- Battery disconnect switch
- Boom and arm holding valves
- Carrier rollers (2 each side)
- Converter, (2) x 12V
- Counterweight, 5200 kg **11,464 lb**
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA6D107E-3
- Engine coolant to -25°C **-13°F**
- Engine overheat prevention system
- Extended work equipment grease interval
- Fan guard structure
- Fuel system pre-cleaner 10 micron
- High-back air suspension seat, with heat
- Hydraulic track adjusters
- KOMTRAX® Level 5.0
- Large LCD color monitor, high-resolution
- Lock lever
- Mirrors, (LH and RH)
- Operator Protective Top Guard (OPG), Level 1 (ISO 10262)
- Operator Identification System
- Pattern change valve (ISO to BH control)
- Power maximizing system
- PPC hydraulic control system
- Pump/engine room partition cover
- Radiator and oil cooler dustproof net
- Rear reflectors
- Rearview monitoring system (1 camera)
- Revolving frame deck guard
- Revolving frame undercovers
- ROPS cab (ISO 12117-2)
- Seat belt, retractable, 76 mm **3"**
- Seat belt indicator
- Secondary engine shutoff switch
- Service valve
- Shoes, triple grouser, 800 mm **31.5"**
- Skylight
- Slip resistant foot plates
- Starter motor, 5.5kW/24V x 1
- Suction fan
- Thermal and fan guards
- Track frame undercover
- Track frame swivel guard
- Travel alarm
- Working lights, 2 (boom and RH front)
- Working mode selection system

OPTIONAL EQUIPMENT

- Arms
  - 3200 mm **10'6"** arm assembly
  - 3200 mm **10'6"** arm assembly with piping
  - 3500 mm **11'6"** arm assembly
  - 3500 mm **11'6"** arm assembly with piping
- Booms
  - 6150 mm **20'2"** boom assembly
  - 6150 mm **20'2"** boom assembly with piping
- Boom cylinders only
- Cab guards
  - Full front guard, OPG Level 1
  - Full front guard, OPG Level 2
  - Bolt-on top guard, OPG Level 2
  - Lower front window guard
- High pressure in-line hydraulic filters
- Hydraulic control unit, 1 actuator
- Revolving frame undercovers, heavy duty
- Shoes, triple grouser, 700 mm **28"**
- Shoes, triple grouser, 850 mm **33.5"**
- Sun visor
- Rain visor
- Straight travel pedal
- Track roller guards, full length
- Working light, front, two additional cab mounted

ATTACHMENT OPTIONS

- Hydraulic couplers
- Hydraulic kits, field installed
- Vandalism protection guards with storage box

For a complete list of available attachments, please contact your local Komatsu distributor.

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AD05(Electronic View Only) 05/19 (EV-1)

KOMATSU®

Note: All comparisons and claims of improved performance made herein are made with respect to the prior Komatsu model unless otherwise specifically stated.