SMS EQUIPMENT

PC290LL-11

Tier 4 Final Engine

PC290LL

LOG LOADER

Photos may include optional equipment.

NET HORSEPOWER

147 kW @ 2050 rpm
196 HP @ 2050 rpm

OPERATING WEIGHT

Log Loader	40,868 kg	90,100 lb

WALK-AROUND

PC290LL-11

Photos may include optional equipment.

NET HORSEPOWER

147 kW @ 2050 rpm
196 HP @ 2050 rpm

OPERATING WEIGHT

Log Loader	40,868 kg	90,100 lb

PERFORMANCE, RELIABILITY AND DURABILITY

Rugged Komatsu-designed front work equipment, high & wide undercarriage and powerful swing system designs deliver high performance in demanding log loading, and shovel logging applications.

A fully-certified forestry cab with all LED lighting provides a comfortable operator working environment. Enhanced controller logic and new Tier 4 Final engine technology deliver excellent performance and fuel efficiency.

A powerful Komatsu SAA6D107E-3 engine provides a net output of 196 HP (147 kW) and is EPA Tier 4 Final emissions certified.

Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR) system reduces particulate matter and NOx while providing automatic regeneration that does not interfere with daily operation.

Heavy duty 12,014 mm (39.5') reach, VIH ready Forestry Front

High performance forestry cooling system features:
- Robust bar & plate, 3 mm wide fin single radiator, hydraulic oil cooler and charge air cooler cores reduce clogging.
- Sealed & screened air intake door minimizes debris entry.
- Electronic variable speed fan clutch reduces warm up time, maintains more consistent operating temperature in cold weather with reduced noise and fuel consumption.

Comfortable low-profile pilot proportional control (PPC) levers provide smooth and precise grapple functions.

Certified Forestry Cab (WCB, TOPS, OFPS, FOPS, OPS approved)
- High back, fully adjustable heated air suspension operators seat.
- Large 178 mm (7") high resolution LCD monitor panel
- 13 m (1/2") thick polycarbonate front window is Standard.
  - optional front window 32 mm (1 1/4") thick polycarbonate.
  - optional front window safety glass with jail house guard.
- 1,524 mm (60") hydraulic tilt cab riser.
- Rear view monitoring system is standard.
- All LED work lighting is standard.

Komatsu rugged high & wide forestry undercarriage uses components from the next-size larger Komatsu excavator for increased performance, reliability and durability.
- 715 mm (28") ground clearance.
- 3,492 mm (11'5") overall transport width.
- Up-sized PC390LC-class final drives produce 29,265 kgf (64,520 lbf) of drawbar pull for excellent rough terrain maneuverability.

Up-sized Powerful PC390LC-class swing motor & drive with 10,494 kgm (75,902 ft lbs) of swing torqueprovides high productivity.

Heavy duty forestry guarding package is designed specifically for demanding applications.
- Right hand corner guard with tree deflector protects to the outer edge of the grip strut walkway.
- Full length grip strut walkways with HD underguards plus handrails located on the machine upper structure provide convenient access on both sides of the machine.
- 9 mm (3/8") thick service undercover guards. 6 mm (1/4") thick rear compartment doors.

KOMTRAX® Level 5.0 equipped machines can send location, service meter reading and operation maps to a secure website or smart phone utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel & Diesel Exhaust Fluid (DEF) levels, and much more.

Photos may include optional equipment.

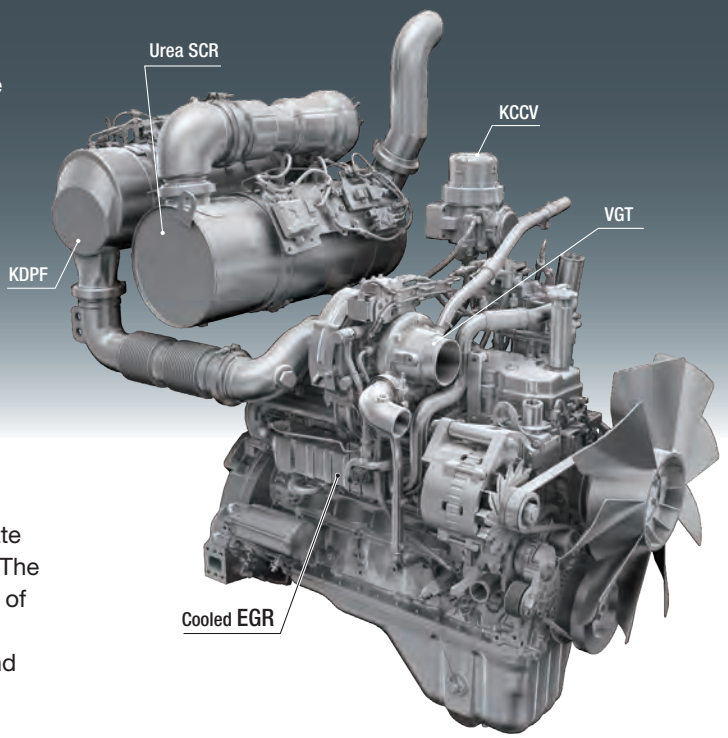
PERFORMANCE FEATURES

PC290LL-11

KOMATSU NEW ENGINE TECHNOLOGIES

New Tier 4 Final Engine

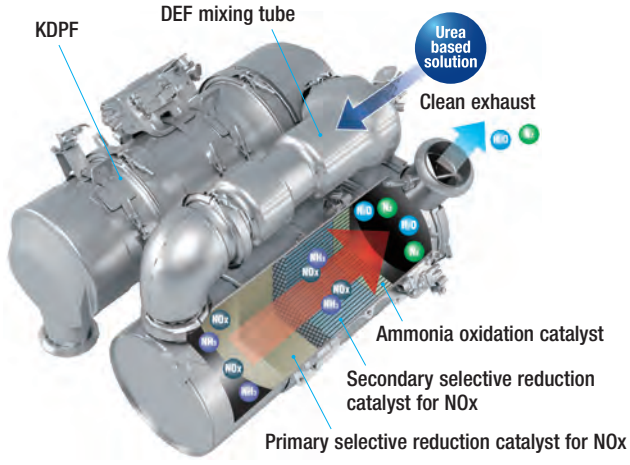
The Komatsu SAA6D107E-3 engine is EPA Tier 4 Final emissions certified and provides exceptional performance while reducing fuel consumption. Based on Komatsu proprietary technologies developed over many years, this new diesel engine reduces nitrogen oxides (NOx) by more than 80% when compared to Tier 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

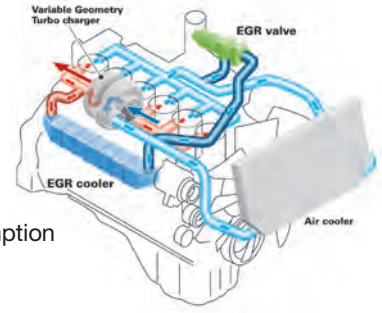
Heavy-duty aftertreatment system

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 reduce fuel consumption below Tier 4 Interim levels.

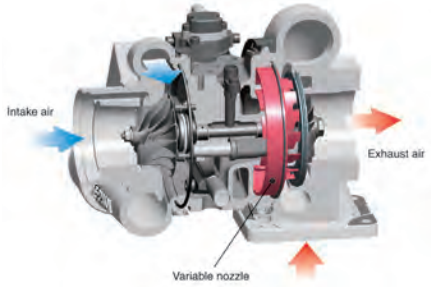


Advanced Electronic Control System

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 design hydraulic technology for variable control of air-flow and supplies optimal air according to load conditions. The upgraded version provides better exhaust temperature management.



KDPF Regeneration Logic

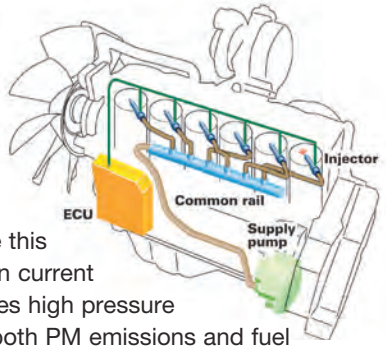
Active regeneration will occur automatically with no effect on machine operation under most conditions.

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

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 both PM emissions and fuel consumption over the entire range of engine operating conditions. The Tier 4 Final engine has advanced fuel injection timing for reduced fuel consumption and lower soot levels.

Komatsu Auto Idle Shutdown

Komatsu auto idle shutdown automatically shuts the engine down after idling for a set period of time to reduce unnecessary fuel consumption and exhaust emissions. The amount of time before the engine is shutdown can be easily programmed from 5 to 60 minutes.

Photos may include optional equipment.

PERFORMANCE FEATURES

Heavy Duty Undercarriage and Work Equipment

The PC290LL-11 utilizes a HD high and wide undercarriage and a heavy 7,000 kg (15,432 lb) counterweight to provide excellent stability and lift capacity, while the HD Forestry Front delivers high productivity, reliability, and durability.

High Maximum Drawbar Pull

Up-sized PC390LC-class final drives produce excellent maneuverability and shovel logging performance.

Maximum Drawbar Pull 287 kN, 29,265 kgf, **64,520 lbf**

Increased Work Efficiency

Lifting Mode / Power Max

When Lifting Mode or Power Max is selected, the lift capacity is increased 7% by raising the hydraulic pressure.

Rugged Swing System

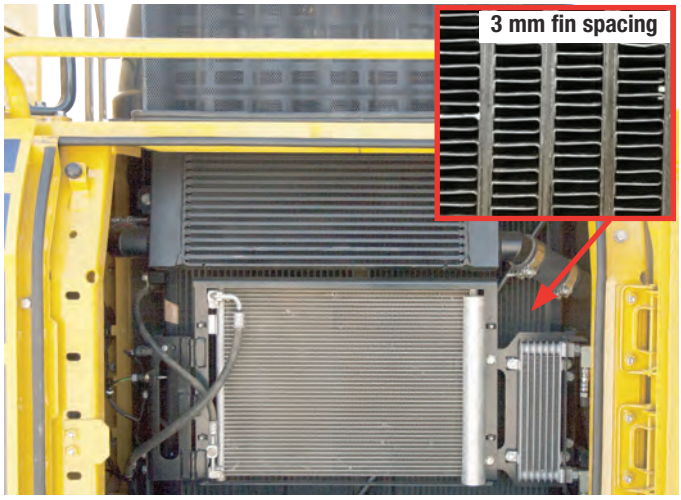
Up-sized Powerful PC390LC-class swing motor & drive with 10,494 kgm (75,902 ft lbs) of swing torque for demanding swing applications and high productivity.

Photos may include optional equipment.

High Performance Forestry Cooling System with:

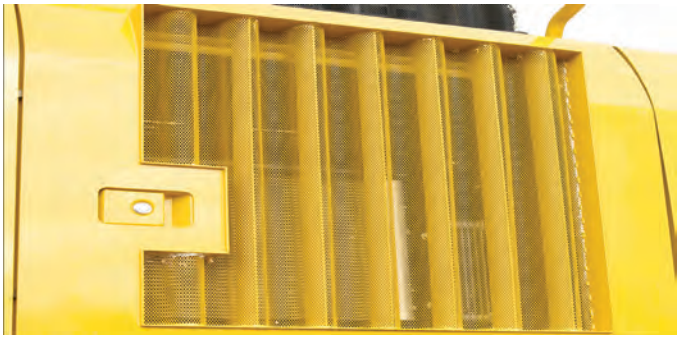
1) Robust Bar & Plate 3 mm Wide Fin Single Radiator, Hydraulic Oil Cooler and Charge Air Cooler Cores:

Reduces clogging for improved productivity and reliability.



2) Sealed & Screened Air Intake Door:

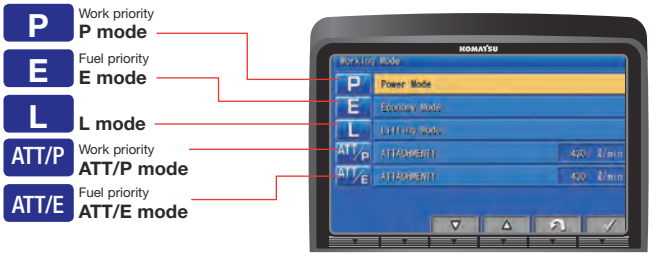
All air must pass through fine mesh screens which removes debris prior to contacting the cooler cores. Waffle screen design maximizes air flow, reduces debris accumulation and minimizes cleaning time.



Working Mode Selection

The PC290LL-11 is equipped with five working modes (P, E, L, ATT/P and ATT/E). Each mode is designed to match engine speed, pump flow, and system pressure to the application. The Attachment Economy mode (ATT/E) allows operators to run attachments while in Economy mode.

P	Power mode	•Maximum production/power •Fast cycle times
E	Economy mode	•Good cycle times •Better fuel economy
L	Lifting mode	•Increases hydraulic pressure
ATT/P	Attachment Power mode	•Optimum engine rpm, hydraulic flow, 2-way •Power mode
ATT/E	Attachment Economy mode	•Optimum engine rpm, hydraulic flow, 2-way •Economy mode



High Rigidity Work Equipment

Booms and arms are constructed with thick plates of high tensile strength steel. High pressure tube is utilized for all hydraulic piping resulting in work equipment that exhibits long term durability and high resistance to stress.

Photos may include optional equipment.

WORKING ENVIRONMENT

Photos may include optional equipment.

Comfortable Working Space

Certified Forestry Cab (WCB, TOPS, OFPS, FOPS, OPS approved). The wide spacious cab includes a heated air suspension seat with reclining backrest. The seat height and position are easily adjusted using a pull-up lever. The armrest position is easily adjusted together with the console. Reclining the seat further enables it to be fully laid back with the headrest attached.

- Available with a 1524 mm (60") hydraulic tilt riser.
- Powerful LED working lights are standard.
- 13 mm (1/2") thick polycarbonate front window is standard.
  - optional 32 mm (1 1/4") thick polycarbonate front window.
  - optional safety glass front window with jail house guard.

Comfortable, Precise Attachment Controls

Comfortable low-profile pilot proportional control (PPC) providing operator comfort and precise control.

Log Loader

Low Cab Noise & Cab Vibration

The cab design is highly rigid and has excellent sound absorption ability to generate low noise levels similar to that of a modern automobile. Viscous cab floor mounts for the seat platform incorporate a long stroke and a spring to reduce vibration at the operator's seat.

Automatic Air Conditioner & Heater

The automatic air conditioner & heater allows the operator to easily and precisely set the cab atmosphere using the large LCD color monitor panel. The bi-level control function improves air flow and keeps the inside of the cab comfortable throughout the year.

Photos may include optional equipment.

WORKING ENVIRONMENT

PC290LL-11

LARGE HIGH RESOLUTION LCD MONITOR

New Monitor Panel Interface Design

An updated large high resolution LCD color monitor enables accurate and smooth work. The interface has been redesigned to display key machine information in a new user friendly interface. A rear view camera and a DEF level gauge display have been added to the default main screen. The interface has a function that enables the main screen mode to be switched, thus enabling the optimum screen information for the particular work situation to be displayed.

Indicators

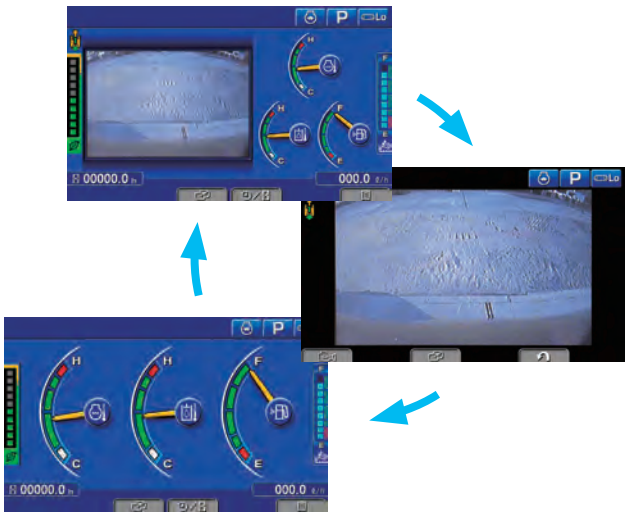
1. Auto-decelerator
2. Working mode
3. Travel speed
4. Ecology gauge
5. Camera display
6. Engine coolant temperature gauge
7. Hydraulic oil temperature gauge
8. Fuel gauge
9. DEF level gauge
10. Service meter, clock
11. Fuel consumption gauge
12. Guidance icon
13. Function switches
14. Camera direction display
15. DEF level caution lamp

Basic operation switches

1. Auto-decelerator
2. Working mode selector
3. Travel speed selector
4. Buzzer cancel
5. Wiper
6. Window washer
7. Auto climate controls

Switchable Display Modes

The main screen display mode can be changed by pressing the F3 key.



Visual user menu

Pressing the F6 key on the main screen displays the user menu screen. The menus are grouped for each function, and use easy-to-understand icons which enable the machine to be operated easily.

1 Energy saving guidance 2 Machine settings
3 Aftertreatment devices regeneration 4 SCR information
5 Maintenance 6 Monitor setting 7 Message check

Support Efficiency Improvement

Ecology guidance

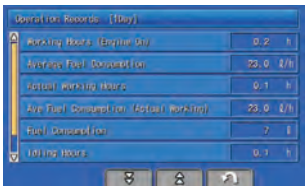
While the machine is operating, ecology guidance pops up on the monitor screen to notify the operator of the status of the machine in real time.

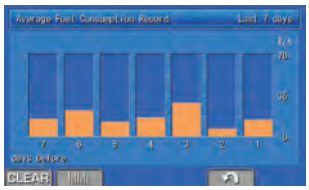
Ecology gauge & fuel consumption gauge

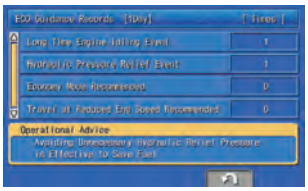
The monitor screen is provided with an ecology gauge and also a fuel consumption gauge which is displayed continuously. In addition, the operator can set any desired target value of fuel consumption (within the range of the green display), enabling the machine to be operated with better fuel economy.

Operation record, fuel consumption history and ecology guidance record

The ecology guidance menu enables the operator to check the operation record, fuel consumption history and ecology guidance record from the ecology guidance menu using a single touch, thus assisting operators with reducing total fuel consumption.


Operation record


Fuel consumption history


Ecology guidance record

Operator Identification Function

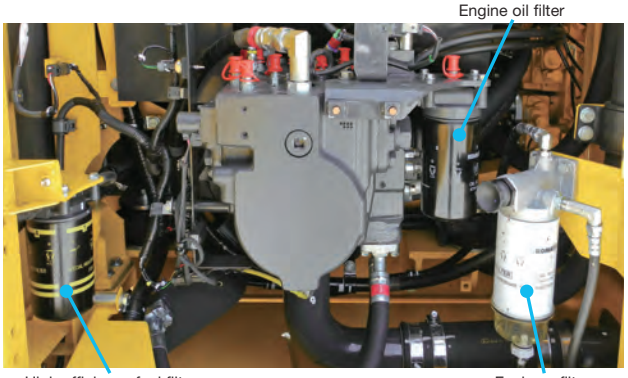
An operator identification ID can be set up for each operator, and used to manage operation information of individual machines using KOMTRAX data. Data sent from KOMTRAX can be used to analyze operation status by operator as well as by machine.

Photos may include optional equipment.

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.



High efficiency fuel filter and pre-filter with water separator.

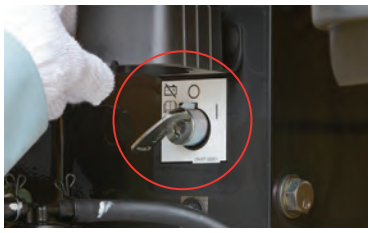
Electric fuel priming pump.

Fuel pre-filter with water separator.

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

Sealed & screened air intake door.

Battery disconnect switch.



A standard battery disconnect switch allows a technician to disconnect the power supply and lock out before servicing the machine.

Easy to access air conditioner filter

Sloping track frame for reduced debris buildup

Large right hand front storage space

Excellent engine access

Large rear opening hood, service platform and slip resistant plates provide excellent maintenance and service access to key engine components.

Photos may include optional equipment.

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.

Hydraulic oil filter
(Eco-white element)

Engine oil & Engine oil filter	every	500 hours
Hydraulic oil	every	5,000 hours
Hydraulic oil filter	every	1,000 hours

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 is used for reliability.

Diesel Exhaust Fluid (DEF) tank

A large tank volume extends operating time before refilling and is installed on the right front stairway for ease of access.

Photos may include optional equipment.

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

KDPF Regeneration Logic

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

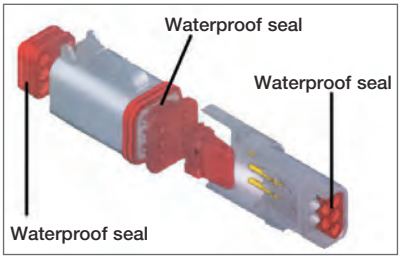
The DEF level gauge is displayed continuously on the right side of the monitor screen. In addition, when DEF level is low, DEF low level guidance messages appear in pop up displays to inform the operator in real time.

DEF level gauge

DEF low level guidance

DT-type connectors

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

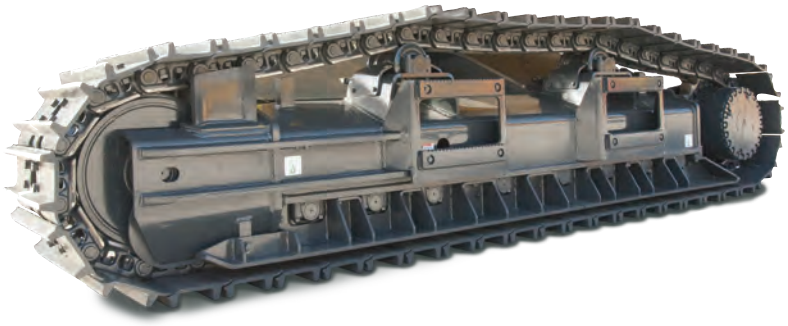


GENERAL FEATURES

Rugged Purpose-Built High & Wide Forestry Undercarriage

The rugged undercarriage is designed from the ground up for demanding forestry applications using components from the larger size class excavator for high reliability & durability.

- HD 1-piece design carbody with integrated tow points and transportation tie-downs
- 715 mm (28") ground clearance and 3,492 mm (11'5") transport width
- Up-sized PC360LC-class final drives generate 29,265 kgf (64,520 lbf) of drawbar pull
- Up-sized PC360LC-class track components with 216 mm (8.5") pitch track
- 2 HD carrier rollers with double support mounts and roller wipers prevent debris buildup; 8 HD track rollers (each side)
- Idlers have high capacity recoil springs & stiffener side brackets
- Full length "ski-type" track roller guards protect the rollers, minimize track twisting and improve track component durability in demanding forestry applications

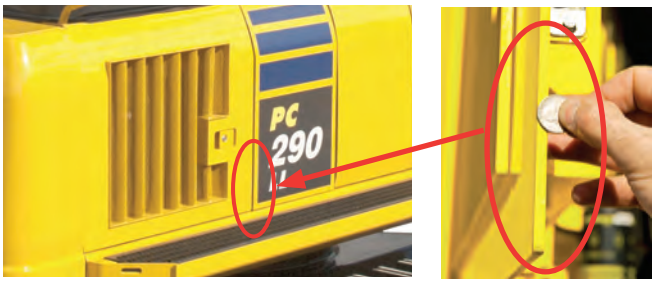


Right Hand Front Corner Guard

The right hand front corner is protected by a rugged guard with a tree deflector and a protected LED light. The guard protects to the edge of the grip strut walkway. The tree deflector can be rotated into a transport position.

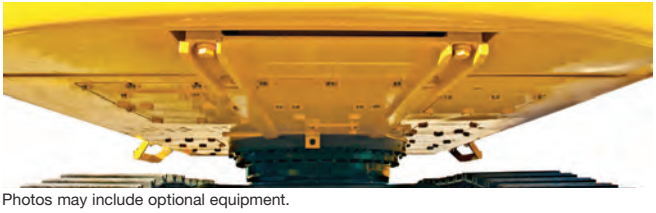
HD Compartment Doors & Covers

All compartment doors & covers are more than 3 times thicker than on comparable size Komatsu excavators for added protection (6 mm - 1/4" vs. 1.6 mm - 1/16").



HD Upper Structure Bottom Guard

The upper structure bottom has HD 9 mm (3/8") thick removeable service access panels which are 1.5 times thicker than on comparable size Komatsu excavators. All bolts are recessed or shielded for added protection.



Photos may include optional equipment.

Protective Forest Debris Screens

Engine hood, side access door and exhaust outlet cover screens provide added engine protection.

Grip Strut Walkways & Handrails

Full length grip strut walkways and upper structure handrails provide a convenient work area along both sides of the machine for maintenance and service.

All LED Working Lights

All cab and work equipment lights are LED and provide brilliant illumination in low light conditions for improved productivity.

Rear View Monitoring System

A new rear view monitoring system display has a rear view 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.

Rear view camera

Rear view image on monitor

KOMTRAX EQUIPMENT MONITORING

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 aids in **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

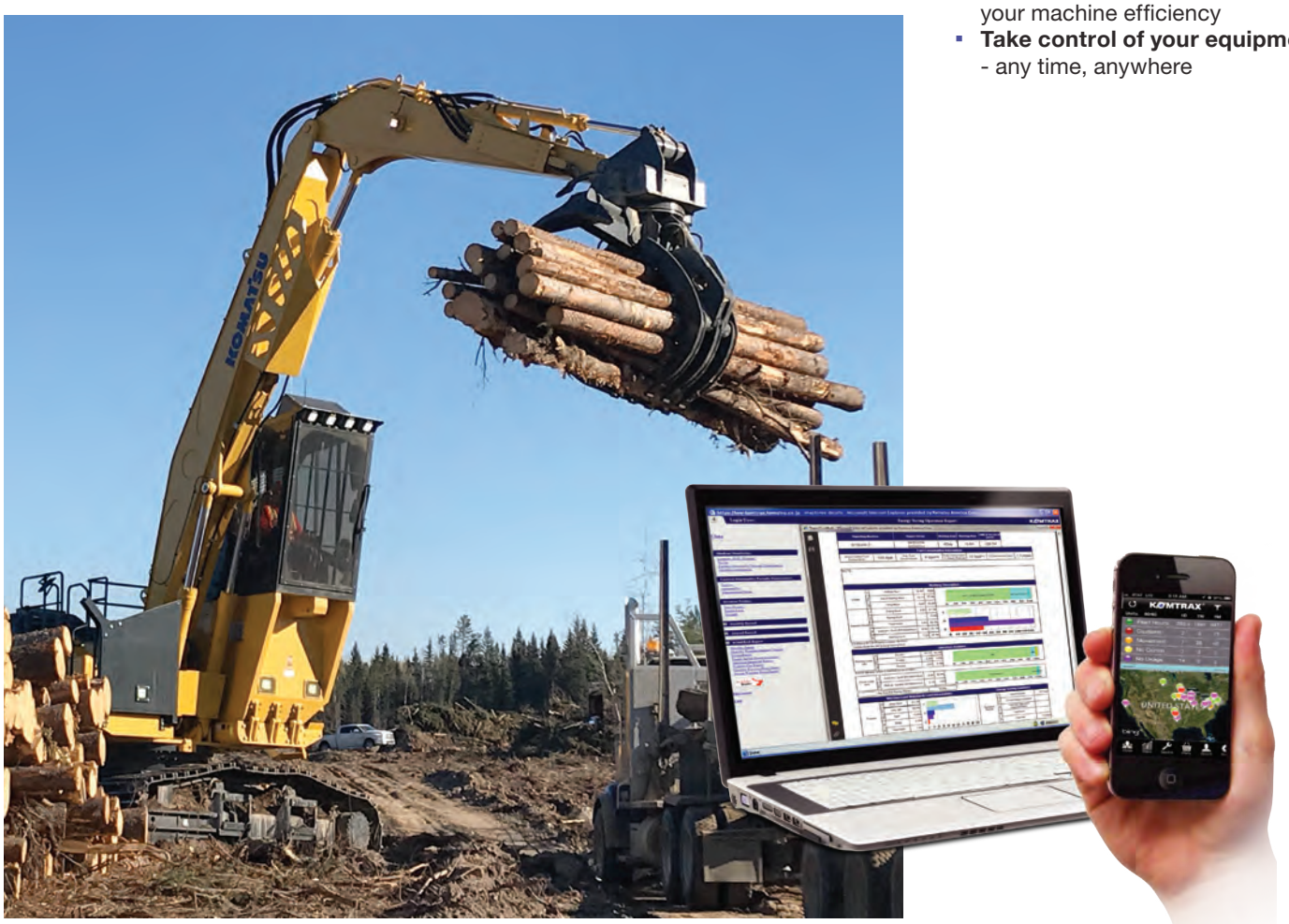
- KOMTRAX data **can be accessed virtually anywhere** through your computer, the web or your smart phone
- Automatic alerts keep fleet managers up to date on the latest machine notifications

WHO

- KOMTRAX is **standard** equipment on all Komatsu log loader and construction products

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



KOMTRAX®

For log loaders, construction and compact equipment.

KOMTRAX Plus®

For production and mining class machines.

KOMATSU PARTS & SERVICE SUPPORT

PC2901-11

Komatsu Care – Complimentary Scheduled Maintenance

- PM services for the earlier of 3 years / 2000 hours
- Performed by factory certified technicians
- Komatsu Genuine parts and fluids
- Significantly lowers your cost of ownership while maintaining high uptime and reliability
- Increases resale value and provides detailed maintenance records
- Extended PM services can be purchased beyond the complimentary period to provide additional peace of mind and maximize uptime

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

SMS Parts and Service Support

- 34 SMS Equipment branches to fulfill your parts, sales, and service needs
- 9 manufacturer parts distribution centres strategically located across Canada and the U.S. to support the Komatsu dealer network
- Online parts ordering with ePortal

  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

SPECIFICATIONS

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 2,050

Fan drive method for radiator cooling ... Mechanical with Electronic Clutch

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 ..... 27.9 MPa 284 kg/cm² **4,050 psi**
Pilot circuit ..... 3.2 MPa 33 kg/cm² **470 psi**
Grapple rotate circuit ..... 9.8 MPa 100 kg/cm² **1,420 psi**
Grapple open/close circuit ... 29.9 MPa 305 kg/cm² **4,340 psi**

Hydraulic cylinders:

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

	Log Loader
Boom (2)	150 mm x 1,247 mm x 110 mm **5.9" x 49.1" x 4.3"**
Arm (1)	185 mm x 1,421 mm x 120 mm **7.3" x 55.9" x 4.7"**
Bucket (1)*	140 mm x 1,063 mm x 100 mm **5.5" x 41.9" x 3.9"**

DRIVES AND BRAKES

Steering control ..... Two levers with pedals
Drive method ..... Hydrostatic
Maximum drawbar pull ..... 287 kN 29,265 kgf **64,520 lbf**
Gradeability ..... 70%, 35°
Maximum travel speed: High ..... 4.8 km/h **3.0 mph**
(Auto-Shift) Mid ..... 3.6 km/h **2.2 mph**
(Auto-Shift) Low ..... 2.5 km/h **1.6 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 ..... 9.4 rpm
Swing torque ..... 10,494 kg•m **75,902 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 (with aux) ..... 1,100 ltr **290 U.S. gal**
Coolant ..... 36 ltr **9.5 U.S. gal**
Engine ..... 23.1 ltr **6.1 U.S. gal**
Final drive, each side ..... 9.0 ltr **2.4 U.S. gal**
Swing drive ..... 13.7 ltr **3.6 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**

OPERATING WEIGHT (APPROXIMATE)

Log Loader:

Includes: Forestry Cab, 1524 mm **60"** hydraulic tilting riser, 700 mm **28"** double grouser shoes, 12,014 mm **39.5'** HD forestry front, heavy counterweight, rated capacity of lubricants, operator and standard equipment (no grapple).

Configuration	Operating Weight	Ground Pressure
Log Loader	40,868 kg **90,100 lbs**	0.72 kg/cm² **10.1 psi**

SPECIFICATIONS

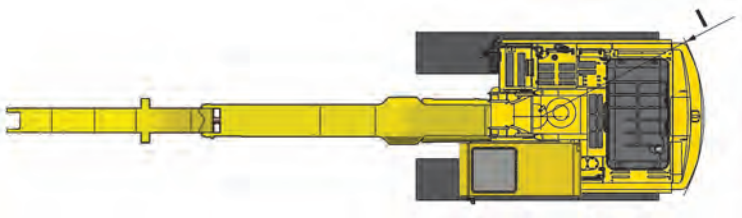
PC290LL-11

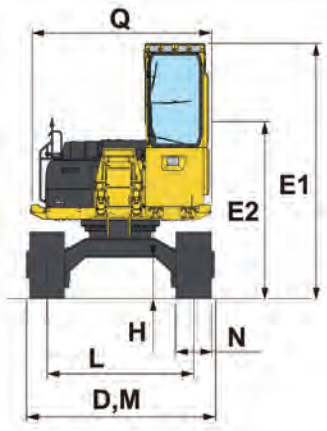
DIMENSIONS - LOG LOADER

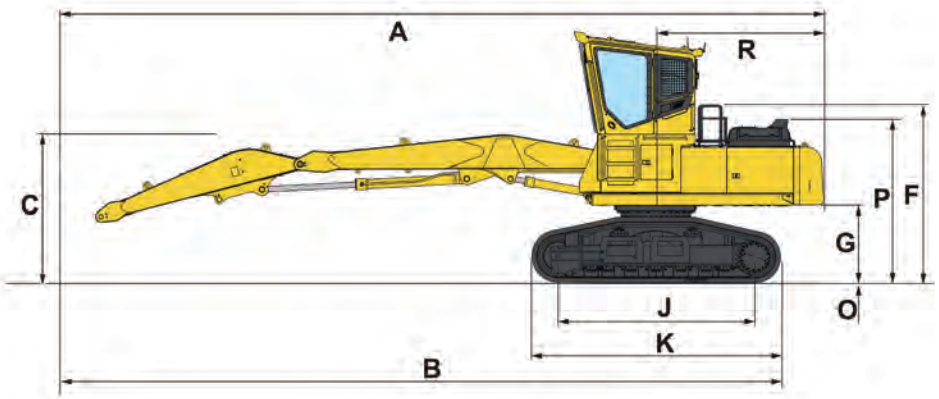
	Butt-n-Top Forestry Front	12,192 mm	40'
A	Overall length	14,763 mm	**48'5"**
B	Length on ground (transport)	14,324 mm	**47'0"**
C	Overall height (to top of boom)*	2,889 mm	**9'6"**
D	Overall width	3,532 mm	**11'7"**
E1	Overall height (top of cab upright)*	5,791 mm	**19'**
E2	Overall height (top of cab tilted)*	3,505 mm	**11'6"**
F	Overall height (to top of handrail)*	3,516 mm	**11'6"**
G	Ground clearance, (counterweight)	1,365 mm	**4'6"**
H	Ground clearance, (minimum)	715 mm	**2'4"**
I	Tail swing radius	3,014 mm	**9'10"**

	Butt-n-Top Forestry Front	12,192 mm	40'
J	Track length on ground	4,014 mm	**13'2"**
K	Track length	4,985 mm	**16'4"**
L	Track gauge	2,792 mm	**9'2"**
M	Width of crawler (steps in working position)	3,532 mm	**11'7"**
M	Width of crawler (steps in transport position)	3,492 mm	**11'5"**
N	Shoe width	700 mm	**2'4"**
O	Grouser height	49.5 mm	**1.9"**
P	Engine hood height	3,255 mm	**10'8"**
Q	Machine cab width**	3,320 mm	**10'11"**
R	Distance, center of swing to rear end	3,353 mm	**11'**

* : Including grouser height
** : Including handrail with tree deflector rotated or removed



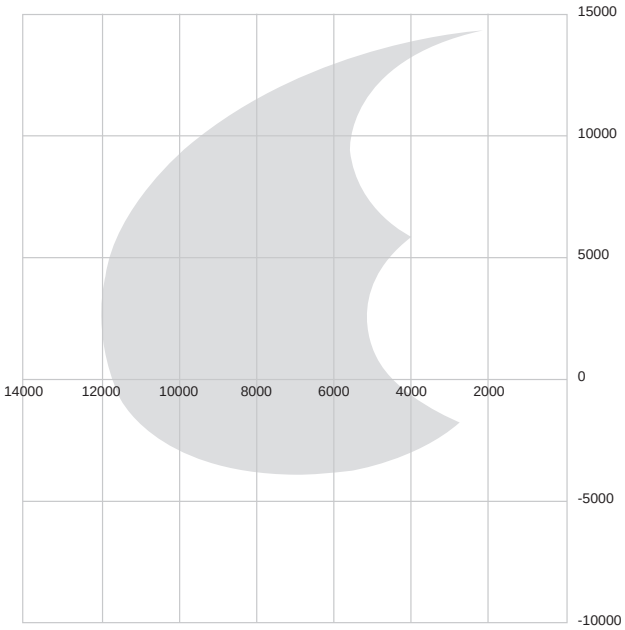




PHOTOS MAY INCLUDE OPTIONAL EQUIPMENT

WORKING RANGE - LOG LOADER

	Forestry Front		
A	Max. reach	12,014 mm	**39'5"**
B	Max. reach at ground level	11,811 mm	**38'9"**
C	Max. reach below grade depth	4,191 mm	**13'9"**
D	Max. reach above grade height	13,893 mm	**45'7"**



LIFT CAPACITIES

LIFTING CAPACITY WITH POWER MAX - LOG LOADER

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:
- Front: Komatsu (12,014 mm) 39.5' VIH Forestry Front
- Grapple: None
- Power Max: On
- Counterweight: Heavy
- Cab: Rear Entry Forestry Cab with (1,524 mm) 60" riser

Front: Komatsu (12,014 mm) **39.5' Forestry Front** **Shoes:** 700 mm **28" - Double Grouser** **Unit:** kg **lb**

A / B	4.6 m **15'**		6.11 m **20'**		7.61 m **25'**		9.11 m **30'**		10.71 m **35'**	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
12.2 m			* 11,450	* 11,450						
40'			*** 25,200**	*** 25,200**						
10.7 m			* 10,500	* 10,500	* 9,400	* 9,400				
35'			*** 23,100**	*** 23,100**	*** 20,800**	*** 20,800**				
9.1 m			* 10,250	* 10,250	* 9,100	* 9,100	* 8,250	6,950		
30'			*** 22,600**	*** 22,600**	*** 20,100**	*** 20,100**	*** 18,200**	**15,300**		
7.6 m			* 10,450	* 10,450	* 9,150	* 9,150	* 8,150	7,000	* 7,150	5,350
25'			*** 23,000**	*** 23,000**	*** 20,200**	*** 20,200**	*** 18,000**	**15,400**	*** 15,800**	**11,800**
6.1 m			* 11,000	* 11,000	* 9,450	* 9,450	* 8,250	6,900	* 7,150	5,400
20'			*** 24,300**	*** 24,300**	*** 20,800**	*** 20,800**	*** 18,200**	**15,200**	*** 15,800**	**11,900**
4.6 m			* 11,800	* 11,800	* 9,850	* 9,850	* 8,400	6,800	* 7,150	5,350
15'			*** 26,200**	*** 26,200**	*** 21,700**	*** 21,700**	*** 18,500**	**14,950**	*** 15,800**	**11,800**
3.0 m			* 12,700	* 12,700	* 10,200	8,600	* 8,500	6,600	* 7,050	5,250
10'			*** 28,000**	*** 28,000**	*** 22,500**	**19,000**	*** 18,700**	**14,600**	*** 15,600**	**11,600**
1.5 m			* 13,100	* 13,100	* 10,300	8,300	* 8,400	6,450	* 6,800	5,182
5'			*** 28,900**	*** 28,900**	*** 22,700**	**18,300**	*** 18,500**	**14,200**	*** 15,000**	**11,400**
0 m			* 12,700	10,950	* 9,950	8,050	* 7,950	6,300	* 6,200	5,100
0'			*** 28,000**	**24,100**	*** 22,000**	**17,800**	*** 17,500**	**13,900**	*** 13,600**	**11,300**
-1.5 m			* 11,400	* 11,400	* 9,000	* 9,000	* 7,050	* 7,050	* 5,050	* 5,050
-5'			*** 25,200**	*** 25,200**	*** 19,800**	*** 19,800**	*** 15,500**	*** 15,500**	*** 11,100**	*** 11,100**
-3 m	* 11,150	* 11,150	* 9,200	* 9,200	* 7,300	* 7,300	* 5,450	* 5,450		
-10'	*** 24,600**	*** 24,600**	*** 20,300**	*** 20,300**	*** 16,100**	*** 16,100**	*** 12,000**	*** 12,000**		

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

STANDARD EQUIPMENT

- 3 Speed travel with Auto shift
- Accessory outlets, 12 V (x2)
- Alternator, 90 Ampere, 24V
- AM/FM radio with AUX input
- Automatic, engine warm-up system
- Automatic air conditioner/heater
- Auto idle
- Auto idle shutdown (programable)
- Lever lock Auto-lock
- Batteries, large capacity
- Battery disconnect switch
- Boom and arm holding valves
- Carrier rollers (92 each side)
- Converter, 24V to 12V, 30A
- Coolers, wide fin (radiator, hydraulic oil cooler, charge air cooler)
- Counterweight, 7,000 kg **15,432 lb**
- Doors, HD 6 mm **1/4"** for cooler, pump, and engine compartments
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine hood debris screens
- Engine, Komatsu SAA6D107E-3 (tier 4f)
- Engine overheat prevention system
- Fan guard structure
- Forestry Cab, rear entry (WCB, TOPS, OFPS, FOPS, OPS)
- Front, Forestry 12,014 mm 39.5' reach, VIH ready
- Fuel pre-cleaner 10 micron
- Grip strut walkways (both sides)
- Guard, HD front right corner with tree deflector and work light
- High back air suspension seat, with heat
- High pressure in-line hydraulic filters
- Hydraulic track adjusters
- KOMTRAX® level 5.0
- Large LCD color monitor, high resolution
- Lock lever
- Mirrors
- Operator Identification System
- Power maximizing system
- PPC hydraulic control system
- Pump/engine room partition covers
- Rear reflectors
- Rear view monitoring system (1 camera)
- Revolving frame undercovers, HD 9 mm **3/8"**
- Riser, 1,524 mm 60" hydraulic tilting
- Seat belt, retractable, 76 mm **3"**
- Seat belt indicator
- Secondary engine shut off switch
- Service valves, (2)
- Shoes, double grouser, 700 mm **28"**
- Skylight
- Slip resistant foot plates
- Starter motor, 5.5 kW/24V x 1
- Suction fan with electronic clutch
- Swivel guard, HD
- Thermal and fan guards
- Tow hooks, HD (both ends of undercarriage)
- Track frame, high and wide
- Track frame undercovers, HD
- Track rollers (8/side)
- Track roller guards, HD (full length, floatation)
- Travel alarm
- Working lights (LED)
- Working mode selection system

OPTIONAL EQUIPMENT

- Grapples (B-n-T, Power Clam, VIH)
- Engine/hydraulic heaters

***NOTE:** All comparisons and claims of improved performance made herein are made with respect to the prior Komatsu model unless otherwise specifically stated. The PC290LL-11 Log Loader is available in select regions only.