

KOMATSU®

PC300LC-7

PC
300

FLYWHEEL HORSEPOWER

Net: 242 HP 180 kW @ 1900 RPM

OPERATING WEIGHT

33,300 kg (73,415 lb)

BUCKET CAPACITY

1.4 - 2.10 m³ (SAE)



Photos may include optional equipment.

WALK-AROUND

Excellent Durability

- High rigidity work equipment with cast end boom top
- Sturdy frame structure
- Reliable Komatsu manufactured major components

See page 4.



Unmatched Productivity

- Powered by heavy duty Komatsu SAA6D114E-2 diesel engine
- Active mode for fast cycle times & higher production
- Advanced CLSS hydraulics for fine control and quick working speeds
- **Two Boom Setting:** Smooth & Power modes can be toggled to change the operation depending on the application

Easy Maintenance

- Long replacement intervals of oils & filters
- Self-Diagnostic Monitor: The advanced Komatsu diagnostic system facilitates easy service by reducing diagnostic time and indicating components due for replacement/ maintenance
- Continuous Machine Monitoring System monitors and checks all working parameters right from the engine ignition. The operator is alerted only in case of abnormalities, so that full concentration is ensured on the job

Comfortable Working Environment

- Low vibration with cab damper mounting
- Ergonomically designed operator cabin enables fatigue free and productive output



Information and Communication Technology

KOMTRAX™ website to optimise your maintenance planning and fleet management

Ecology & Economy

- Low Emission Engine: The Komatsu SAA6D114E-2 conforms to global emission standards for reduced emissions
- Environment-Friendly Mode: The Economy Mode of Operation offers reduced fuel consumption, quieter operation and lesser emissions

Total Versatility

- Range of buckets for different applications
- Super-long reach arm



HORSEPOWER	: 242 HP 180 kW @ 1900 RPM
OPERATING WEIGHT	: 33,300 kg (73 415 lb)
BUCKET CAPACITY	: 1.4 - 2.10 m ³ (SAE)

PRODUCTIVITY

High Productivity and High Fuel Efficiency

Komatsu PC300LC-7 gets its exceptional power and work capacity from a Komatsu SAA6D114E-2 engine. Output is 242 HP/180 kW, providing increased hydraulic power and improved fuel efficiency. The increased output and fuel savings of the Komatsu SAA6D114E-2 engine result in improved production per unit of fuel. Komatsu SAA6D114E-2 has cleared EPA, EU and Japan Tier-II emission regulations and reduced NOx emission.

Working Mode Selection

Komatsu PC300LC-7 excavator is equipped with three working modes (A, E and B modes). Each mode is designed to match engine speed, pump speed and system pressure with the current application. This provides the flexibility to match equipment performance to the job at hand.

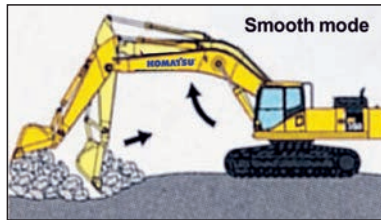
Working Mode	Application	Advantage
A	Active Mode	Maximum production/power Fast Cycle times
E	Economy Mode	Excellent Fuel Economy
B	Breaker Operation	Optimum engine rpm, hydraulic flow

Environment Oriented Mode (Economy Mode)

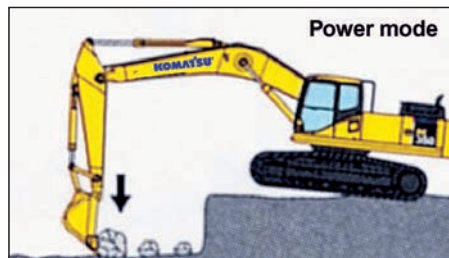
Economy mode meets the needs of the 21st Century. Economy mode offers the user fuel savings, quiet operation and less CO₂ emission. Fuel consumption is reduced (compared to Active mode).

Two Boom Setting

Smooth mode provides easy operation for gathering blasted rock or scraping down operation. When maximum digging force is needed, switch to **Power mode** for more effective excavating.



Boom floats upward, reduced lifting of machine front. This facilitates gathering blasted rock and scraping down operations.

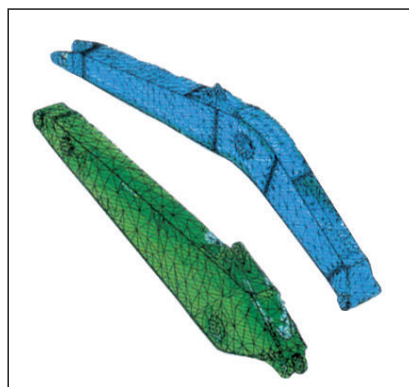


Boom pushing force is increased, ditch digging and box digging operation on hard ground are improved.

Reliable Components

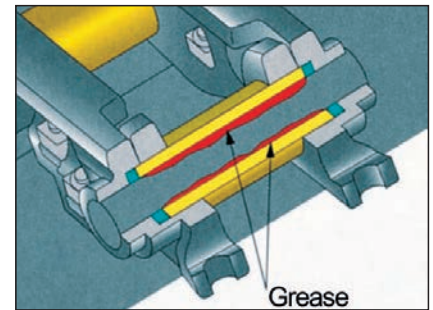
All the major machine components, such as engine, hydraulic pumps, hydraulic motors and control valves are exclusively designed and manufactured by Komatsu.

Sturdy Frame Structure



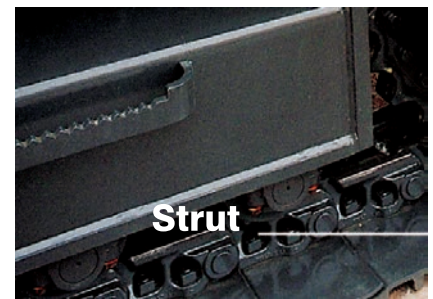
The revolving frame, centre frame and undercarriage are designed by using advanced three-dimensional CAD and FEM analysis technology. Arm & boom of PC300 are strengthened and reinforced for lifting heavy loads seamlessly.

Grease sealed track



Komatsu PC300LC-7 uses grease sealed tracks for extended undercarriage life.

Track Link with Strut



Komatsu PC300LC-7 uses track links with strut providing superb durability.

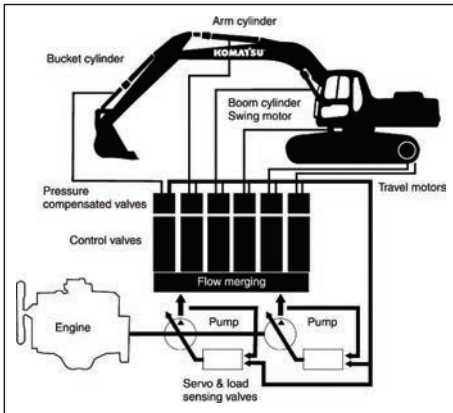
Highly Reliable Electronic Devices

Exclusively designed electronic devices have passed severe testing.

- Controller
- Sensors
- Connectors
- Heat resistant wiring

ADVANCED HYDRAULICS

What is HydraMind?



It's a technologically complex yet mechanically simple system which supervises the work operations of the excavator. Its strength lies in its simplicity.

The system incorporates many major breakthroughs and has earned Komatsu almost 200 patents.

What are the benefits of the HydraMind?

Power, versatility, manoeuvrability, controllability – you name it. Never has an excavator been so easy to operate, so natural, so intuitive. In a sense, you don't really operate it at all, you wear it.

For example, when the ground condition changes in digging...

You don't have to think about changing your lever strokes because the HydraMind instantly, silently, automatically sends just the right amount of oil to the actuators at just the right pressure to accommodate the change.

When you move the boom, arm and bucket at the same time...

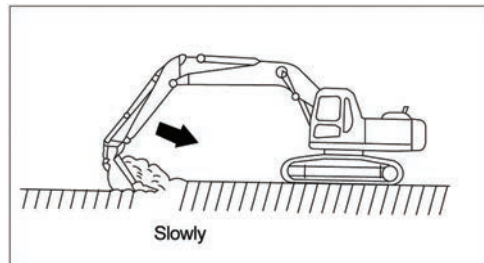
All the equipment works organically with the optimum combination of speed and power as if it were a human hand.

The HydraMind also makes it easy

to change or add valves and work equipment. Moreover, because the system is hydraulic and not electronic, it ensures the best service availability in the industry.

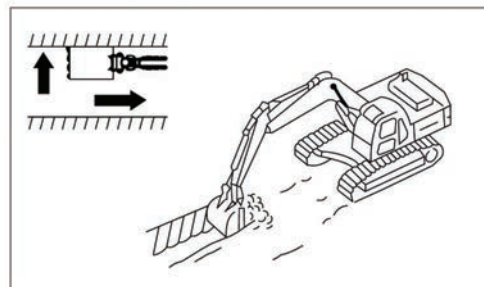
The HydraMind system makes everything easier

It is easier to fully load the buckets.



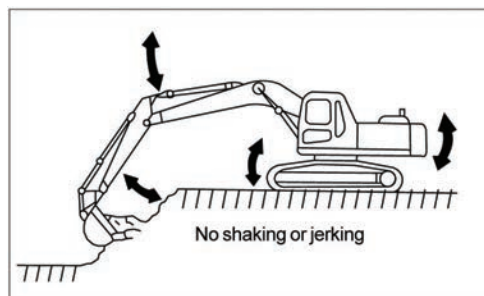
During simultaneous operations, the work equipment moves slowly at maximum power, without being influenced by the other actuators, so it is easy to fully load the bucket.

It is easier to carry out digging work along the face of walls



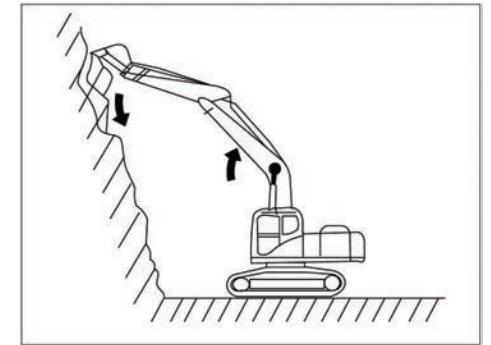
Lateral power pushing is powerful, allowing digging operation to be carried out efficiently

The machine can carry out operations easily without any undue chassis vibration



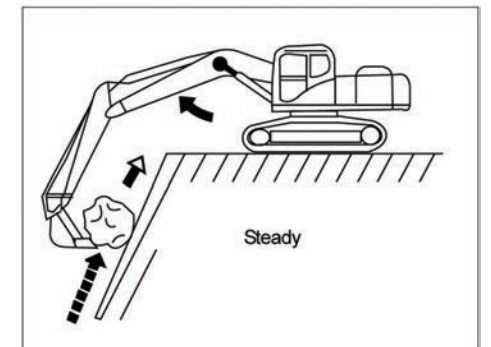
During simultaneous operations, there is no change in the work equipment speed caused by change in load. Thus, there is minimal chassis vibration.

It is easy to scrape down



Even without operating the lever to the maximum position, maximum digging power can be obtained, making it possible to carry out slow control.

It is easy to dig soft rock or dig up boulders



It is easy to control the boom RAISE, so the cutting edge does not deviate from the boulders

COMFORT

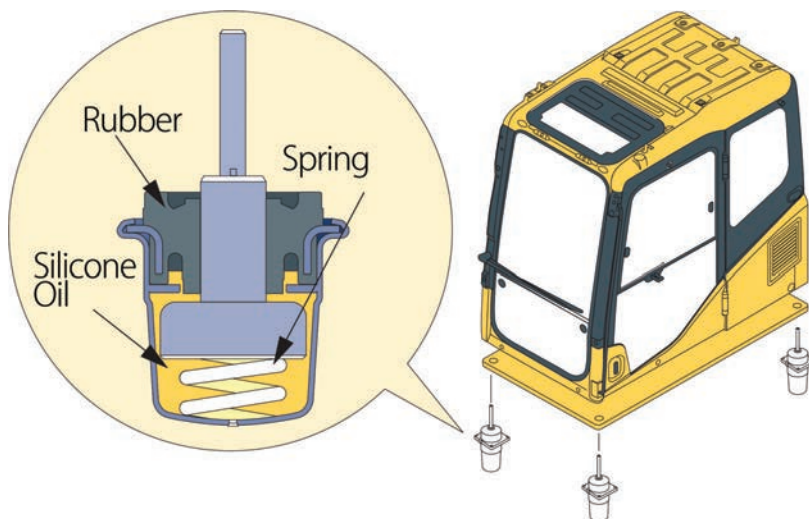
Spacious Cab

The cabin is spacious and air-cooled. An ergonomically-designed operator's seat and easy access to all control levers ensure maximum operator comfort and better concentration on the job.



Low Vibration with Cab Damper Mounting

Komatsu PC300LC-7 uses a new, improved cab damper mount system that incorporates longer stroke and the addition of a spring. The new cab damper mounting combined with a strengthened left and right side deck aids vibration reduction at the operator's seat.



Adjustable seat and control levers

The suspension seat slides forward and backward together with the work equipment control levers to ensure the best operating position at all times.



Lock Lever

Locks the hydraulic pressure to prevent unintentional movement. Neutral start function only allows machine to be started in lock position.



Comparison of Riding Comfort

Cab Damper Mounting



Multi-Layer Viscous Mount



SAFETY

| Pump/Engine Room Partition

Prevents oil from spraying on the engine if a hydraulic hose bursts.



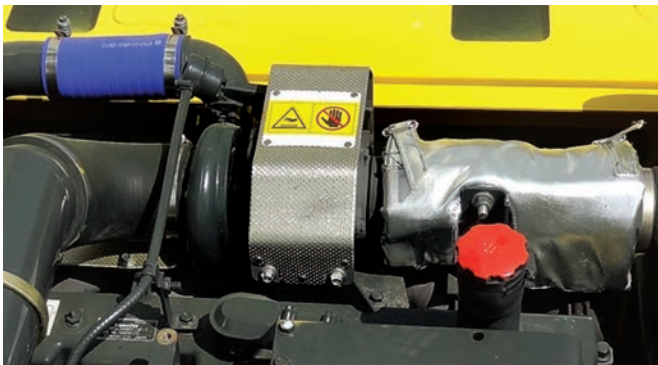
| Large Handrail

The large handrail with a provision to mount rear-view mirror, supports easy climbing.



| Protective Guards

Thermal guard placed around high temperature parts of the engine provides adequate protection against accidental contacts, while the fan guard wards off impending hazards.



| Anti-Skid Pads

Steps with anti-skid pads provide safe grip while climbing on the machine for maintenance work.



Self-Diagnostic Monitor

Komatsu PC300LC-7 features an advanced diagnostics system. The Komatsu exclusive system identifies maintenance items, reduces diagnostic times, indicates oil and filter replacement hours and displays error codes.

Continuous Machine Monitoring System

When turning starting switch ON, check-before-starting item and caution items appear on the liquid crystal panel. If abnormalities are found, a warning lamp blinks and a warning buzzer sounds. The continuous machine condition checks help prevent the development of serious problems and allows the operator to concentrate on the controls.

Abnormalities on Electronic System Display with Code

When an error occurs during operation, a user code is displayed. When an important user code is displayed, a caution lamp blinks and a warning buzzer sounds to prevent the development of serious problems.

Oil Maintenance Function

When machine exceeds oil or filter replacement time, oil maintenance monitor lights up to inform operator.



A. Engine Water Temperature

B. Battery Charge

C. Engine Oil Pressure

D. Air Cleaner Clogging Monitor

E. Auto-Decel Switch

F. Travel Speed Select Switch

G. Working Mode Select Switch

H. Fuel Lever Monitor

I. User or Trouble Code Display

J. Service Meter Display

K. Engine Oil Level

L. Engine Preheat

M. Swing Lock Display

N. Oil Maintenance

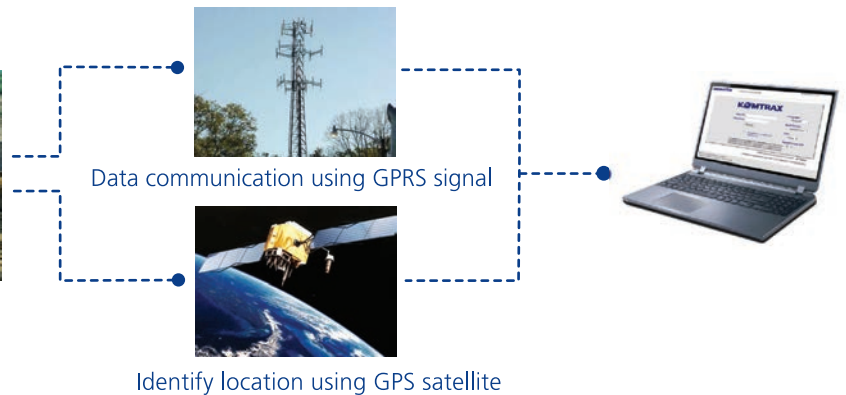
KOMTRAX

KOMTRAX™ is a revolutionary machine tracking system designed to save your time and money. You can now monitor your equipment anytime and anywhere. Use valuable machine data received via the KOMTRAX™ website to optimise your maintenance planning and fleet management.

KOMTRAX™ assists you with:

- Full machine monitoring**
 Get detailed operation data to know when your machines are used
- Total fleet management**
 Keep track of the location of your machines at all times and discourage unauthorized usage
- Easy access to machine information**
 Machine working details can be easily obtained from anywhere using internet facility

Monitor your machine from anywhere, anytime for complete peace of mind!



Summary – Location / SMR / Working

Summary - Location/SMR/Working

Working hour record

Date	Working Status	Working Hour
14/04/2015	00:00 08:00 12:00 18:00 24:00	9.0 H
13/04/2015	00:00 08:00 12:00 18:00 24:00	8.2 H
12/04/2015	00:00 08:00 12:00 18:00 24:00	5.7 H
11/04/2015	00:00 08:00 12:00 18:00 24:00	7.5 H
10/04/2015	00:00 08:00 12:00 18:00 24:00	0.0 H
09/04/2015	00:00 08:00 12:00 18:00 24:00	0.0 H
08/04/2015	00:00 08:00 12:00 18:00 24:00	0.0 H
07/04/2015	00:00 08:00 12:00 18:00 24:00	6.8 H

Machine location record

No.	Event	Event Time	GPS Time	EAT	LOG
1	Daily Data	04-16-2015 01:34:23	04-16-2015 01:34:23	N11.20 17 225	E
2	Daily Data	04-15-2015 01:33:23	04-15-2015 01:33:23	N11.20 18 30	E
3	Daily Data	04-14-2015 01:36:23	04-14-2015 01:36:23	N11.20 17 255	E
4	Daily Data	04-13-2015 01:33:23	04-13-2015 01:33:23	N11.20 18 61	E
5	Daily Data	04-12-2015 01:38:23	04-12-2015 01:38:23	N11.20 18 90	E
6	Daily Data	04-11-2015 01:29:23	04-11-2015 01:29:23	N11.20 33 184	E

Monthly status summary

Days of Operation	Accumulated Monthly SMR	Avg. SMR /Day
7	40.0H	5.7H

Days of Movement
4

ATTACHMENTS

Komatsu Genuine Attachment Tool

Komatsu recommends a wide range of attachment tools for Hydraulic Excavators provided to suit customer's specific applications.

Hydraulic Breaker

Hydraulic Breaker is an attachment tool used for crushing rock beds, paved surfaces and demolishing concrete structures, etc. The large gas chamber, ideal gas pressure ratio and long-stroke piston deliver a powerful impact force. Since the breaker unit does not require an accumulator, the number of parts has been reduced, resulting in lower maintenance costs.

Komatsu Breakers deliver high impact force with every blow thus, an ideal choice for primary and second breaking.

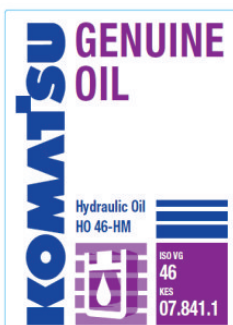
Model type		JTHB350-3
Working weight	kg	2790
Oil flow	l/min	180~230
Operating pressure	MPa	13~18
Impact rate	bpm	350~450
Chisel diameter	mm	∅146

- Accumulator-free design
- High Impact Energy
- High Reliability & Durability
- Low Operating Cost



Komatsu Genuine Oil

Hydraulic Oil (HO46-HM)



- Maintains and enhances the efficiency of the hydraulic system through high performance properties such as water separation, air release, antifoam characteristics, cleanliness and filterability
- Excellent wear protection delivered via zinc-based anti-wear additives
- Superior protection against rust and copper corrosion

Powertrain Oil (TO30)



- Excellent protection of gears, bearings
- Very high thermal and oxidation stability
- Highly consistent and reliable friction performance which ensures minimum clutch slippage, smooth and quiet brake operation and trouble free transmission operation.

New Diesel Engine Oil (15W-40 DH1)

- New 15W-40 DH1 Diesel Engine oil meets API CI4 Specifications
- Introducing all new high grade premium oil in India.



SPECIFICATIONS



ENGINE

Model Komatsu **SAAGD114E-2**
 Type Water-cooled, 4-cycle, direct injection
 Aspiration Turbocharged, aftercooled
 Number of cylinders 6
 Bore 114 mm 4.49"
 Stroke 135 mm 5.31"
 Piston displacement **8.27 ltr** 505 in³
 Flywheel Horse Power:
 SAE J1349 **242 HP** 180 kW @ 1900 rpm
 DIN6270 **245 PS** 180 kW @ 1900 rpm
 Rated rpm 1850 rpm
 Governor All-speed control, mechanical
 Meets 2001 EPA, EU, and Japan Tier-II emission regulations.



HYDRAULICS

Type **HydraMind** (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves
 Number of selectable working modes 3
 Main Pump:
 Type Variable displacement piston type
 Pumps supplying to Boom, arm, bucket, swing, and travel circuits
 Maximum flow **535 ltr/min** 141 U.S. gal/min
 Supply for control circuit Self-reducing valve
 Hydraulic motors:
 Travel 2 x axial piston motor with parking brake
 Swing 1 x axial piston motor with swing holding brake
 Relief valve setting:
 Implement circuits **37.3 MPa** 380 kgf/cm² 5,400 psi
 Travel circuit **37.3 MPa** 380 kgf/cm² 5,400 psi
 Swing circuit **27.9 MPa** 285 kgf/cm² 4,050 psi
 Pilot circuit **3.2 MPa** 33 kgf/cm² 470 psi
 Hydraulic cylinders:
 (No of cylinders – bore x stroke x rod diameter)
 Boom 2 – 140 mm x 1480 mm x 100 mm
 Arm 1 – 160 mm x 1825 mm x 110 mm
 Bucket for 3.19 m 1 – 140 mm x 1285 mm x 100 mm
 for 2.22 m 1 – 150 mm x 1285 mm x 110 mm



DRIVES AND BRAKES

Steering control Two levers with pedals
 Drive method Hydrostatic
 Maximum drawbar pull **264 kN**, 26900 kgf, 59,300 lb
 Gradeability 70%, 35°
 Maximum travel speed: High **5.5 km/h** 3.4 mph
 (Auto-Shift) Low **3.2 km/h** 2.0 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 9.5 rpm



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 2 each side
 Number of track rollers (each side) 8



COOLANT AND LUBRICANT

Fuel tank **605 ltr** 160 U.S. gal
 Coolant **32.0 ltr** 8.5 U.S. gal
 Engine **35.0 ltr** 9.2 U.S. gal
 Final drive, each side **8.5 ltr** 2.2 U.S. gal
 Swing drive **13.4 ltr** 3.5 U.S. gal
 Hydraulic tank **188 ltr** 49.7 U.S. gal



OPERATING WEIGHT

Operating weight includes standard equipment, 6470 mm 21'3" one-piece boom, 185 mm 125.4" arm, SAE heaped 1.4 m³ 1.83 yd³ bucket, fully filled lubricants, coolants, hydraulic oil, fuel with functional operator.

Komatsu PC300LC-7		
Shoes	Operating Weight	Ground Pressure
600 mm 23.6"	33,000 kg 73,415lb	65.7 kPa 0.67 kgf/cm ² 9.53 psi

www.Komatsu.com

KOMATSU[®]



Marketed & Serviced by:

L&T Construction Equipment

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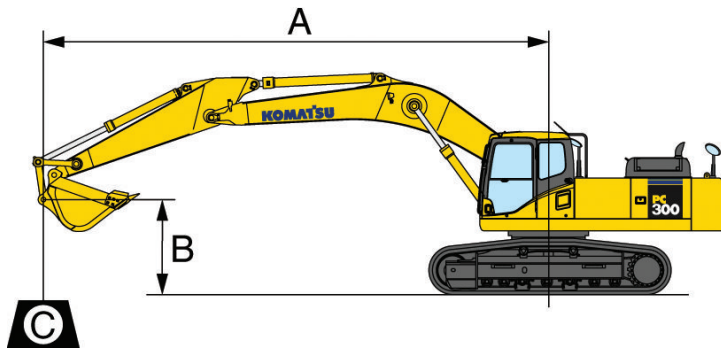
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Materials and specifications are subject to change without notice.

KOMATSU is a trademark of Komatsu Ltd. Japan.



LIFTING CAPACITY



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

PC300LC-7		Arm: 3185 mm 10'5" Bucket: 1.40m ³ 1.83 yd ³ SAE heaped						shoe:600 mm 23.6" triple grouser				
A	■ Max	9.1 m 30'		7.6 m 25'		6.1 m 20'		4.6 m 15'		3.0 m 10'		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'	*4550 kg *10,000 lb	*4550 kg *10,000 lb			*6000 kg *13,300 lb	5550 kg 12,200 lb						
6.1 m 20'	*4450 kg *9,800 lb	3900 kg 8,700 lb			*6650 kg *14,700 lb	5500 kg 12,100 lb						
4.6 m 15'	*4600 kg *10,100 lb	3350 kg 7,400 lb	6200 kg 13,700 lb	3650 kg 8,000 lb	*7200 kg *15,900 lb	5300 kg 11,700 lb	*8400 kg *18,500 lb	7950 kg 17,500 lb				
3.0 m 10'	*4900 kg *10,800 lb	3000 kg 6,700 lb	6050 kg 13,400 lb	3500 kg 7,700 lb	*7950 kg *17,500 lb	5000 kg 11,100 lb	*9800 kg *21,700 lb	7,400 kg 16,300 lb	*13150 kg *28,900 lb	11450 kg 25,200 lb		
1.5 m 5'	5200 kg 11,500 lb	2900 kg 6,400 lb	5900 kg 13,000 lb	3350 kg 7,400 lb	8100 kg 17,800 lb	4750 kg 10,400 lb	*11000 kg *24,300 lb	6850 kg 15,100 lb	*15550 kg *34,200 lb	10650 kg 23,500 lb		
0 m 0'	5300 kg 11,700 lb	2950 kg 6,500 lb	5800 kg 12,700 lb	3250 kg 7,200 lb	7850 kg 17,300 lb	4500 kg 9,900 lb	11300 kg 24,900 lb	6500 kg 14,300 lb	*16350 kg *36,000 lb	10100 kg 22,200 lb	*7450 kg *16400 lb	*7450 kg *16,400 lb
-1.5 m -5'	5750 kg 12,600 lb	3200 kg 7,100 lb	5750 kg 12,600 lb	3200 kg 7,100 lb	7700 kg 17,000 lb	4400 kg 9,700 lb	11100 kg 24,400 lb	6300 kg 13,900 lb	*16000 kg *35,200 lb	9900 kg 21,800 lb	*12200 kg *26,900 lb	*12200 kg *26,900 lb
-3.0 m -10'	6650 kg 14,600 lb	3750 kg 8,300 lb			7700 kg 17,700 lb	4400 kg 9,700 lb	*10900 kg *24,000 lb	6300 kg 13,800 lb	*14600 kg *32,200 lb	9950 kg 22,000 lb	*18000 kg *39,700 lb	*18000 kg *39,700 lb
-4.6 m -15'	*6800 kg *15,000 lb	5050 kg 11,200 lb					*8800 kg *19,400 lb	6450 kg 14,300 lb	*11800 kg *26,100 lb	10250 kg 22,600 lb	*16050 kg *35,400 lb	*16050 kg *35,400 lb
-6.1 m -20'	*5650 kg *12,500 lb	*5650 kg *12,500 lb							*6950 kg *15,300 lb	*6950 kg *15,300 lb		



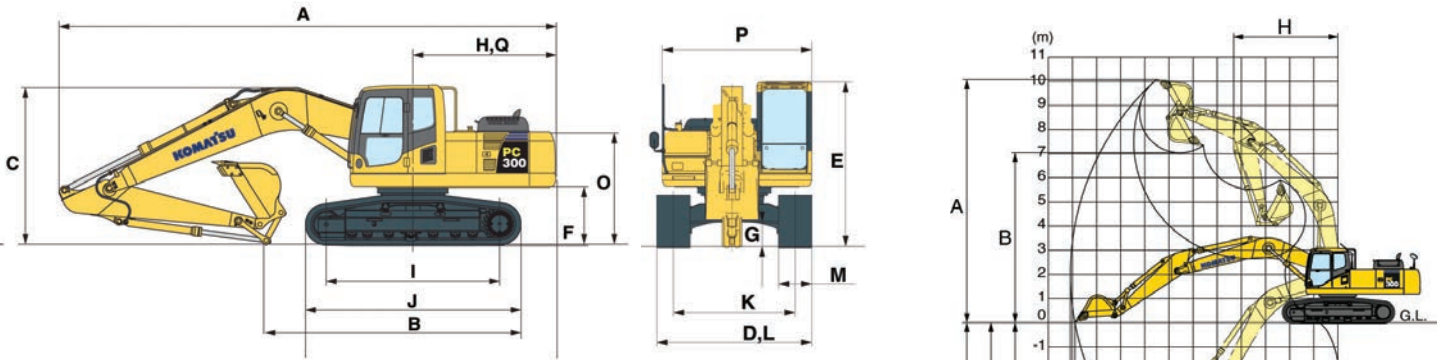
STANDARD & OPTIONAL EQUIPMENT

- Air Cleaner (Pre-filter)
 - All-weather steel cab
 - Alternator, 35 Ampere, 24V
 - Arm 2220 mm with 2.1m³ (SAE) GP bucket or Arm 3185 mm with 1.4m³ (SAE) Granite bucket
 - Auto-Deceleration
 - Automatic Engine Warm-up System
 - Automatic de-aeration system for fuel line
 - Batteries, 12V / 150 Ah x 2
 - Boom holding valve
 - Corrosion resistor
 - Counterweight
 - Dry-type air-cleaner, double element
 - Electric horn
 - Engine, Komatsu SAA6D114E-2
 - Engine overheat prevention system
 - Fan guard structure
 - Fuel Lift Pump
 - Hydraulic track adjusters (each side)
 - Monitor panel, 7-segment
 - One piece Boom 6470 mm
 - Power maximizing system
 - PPC hydraulic control system
 - Pre-Fuel Filter
 - Radiator & Oil Cooler dust proof net
 - Radio (AM/FM)
 - Rear view mirror, R.H.
 - Starter motor, 7.5kW / 24Vx1
 - Suction fan
 - Suspension Seat
 - Tool Kit
 - Track guiding guard, center section
 - Track roller 8 each side
 - Track shoe 600 mm 24" triple grouser
 - Two settings for boom
 - Vandalism Protection Lock
 - Water Separator
 - Working light, 2 (boom and RH)
 - Working mode selection system
- Optional Equipment**
- 7 segment valve for Rock Breaker with adaptation kit
 - 800 mm Track
 - Air-Conditioner (Cooler) Unit in Cabin
 - FOPS Cabin
 - Fire Extinguisher
 - Reinforced Track for Granite Sector
 - Rotary Cutter adaptation kit
 - Superlong attachment - Long Reach Arm
 - Automatic fire Suppression System
 - Battery disconnect switch
 - Audio Visual alarm
 - Rear view monitor

Product improvement is a continuous process. Specifications given in this publication are therefore subject to change without notice. Photographs depicted may be of optional equipment.



DIMENSIONS AND WORKING RANGE



	Arm Length	2220 mm	7'3"	3185 mm	10'5"
A	Overall length	11395 mm	37'5"	11245 mm	36'11"
B	Length on ground (transport)	6980 mm	22'11"	5930 mm	19'5"
C	Overall height (to top of boom)	3400 mm	11'2"	3280 mm	10'9"
D	Overall width	3190 mm	10'6"	3190 mm	10'6"
E	Overall height (to top of cab)	3130 mm	10'3"	3130 mm	10'3"
F	Ground clearance, counterweight	1185 mm	3'11"	1185 mm	3'11"
G	Ground clearance (minimum)	500 mm	1'8"	500 mm	1'8"
H	Tail swing radius	3555 mm	11'8"	3555 mm	11'8"
I	Track length on ground	4030 mm	13'3"	4030 mm	13'3"
J	Track length	4955 mm	16'3"	4955 mm	16'3"
K	Track gauge	2590 mm	8'6"	2590 mm	8'6"
L	Width of crawler	3190 mm	10'6"	3190 mm	10'6"
M	Shoe width	600 mm	23'6"	600 mm	23'6"
N	Grouser height	36 mm	1'4"	36 mm	1'4"
O	Machine cab height	2580 mm	8'6"	2580 mm	8'6"
P	Machine cab width	2995 mm	9'10"	2995 mm	9'10"
Q	Distance, swing center to rear end	3510 mm	11'6"	3510 mm	11'6"

		Arm	2220 mm	7'3"	3185 mm	10'5"	2550 mm	8'6"
ISO rating	A	Max digging height	9580 mm	31'5"	10,210 mm	33'6"	9970 mm	32'8"
	B	Max dumping height	6595 mm	21'8"	7110 mm	23'4"	6895 mm	22'7"
	C	Max digging depth	6390 mm	21'	7380 mm	24'3"	6740 mm	22'1"
	D	Max vertical wall digging depth	5120 mm	16'10"	6480 mm	21'3"	5730 mm	18'9"
	E	Max digging depth of cut for 8° level	6130 mm	20'1"	7180 mm	23'7"	6540 mm	21'6"
	F	Max digging reach	10,155 mm	33'4"	11,100 mm	36'5"	10550 mm	34'7"
	G	Max digging reach at ground level	9950 mm	32'8"	10,920 mm	35'10"	10350 mm	33'11"
	H	Min swing radius	4390 mm	14'5"	4310 mm	14'2"	4470 mm	14'8"
SAE rating		Bucket digging force at power max	228 kN 23,300 kgf/51,370 lb		200 kN 20,400 kgf/44,970 lb		200 kN 20,400 kgf/44,970 lb	
		Arm crowd force at power max	225 kN 22,900 kgf/50,490 lb		165 kN 16,800 kgf/37,040 lb		165 kN 16,800 kgf/37,040 lb	
ISO rating		Bucket digging force at power max	259 kN 26,400 kgf/58,200 lb		228 kN 23,200 kgf/51,150 lb		228 kN 23,200 kgf/51,150 lb	
		Arm crowd force at power max	235 kN 24,000 kgf/52,910 lb		171 kN 17,400 kgf/38,360 lb		171 kN 17,400 kgf/38,360 lb	



BACKHOE BUCKET, ARM AND BOOM COMBINATION

Working Conditions	Bucket Capacity (heaped)		Width		Weight	Number of Teeth	Arm Length
	SAE, PCSA	CECE	Without Side Cutters	With Side Cutters			
Blue metal quarry / brick rock	1.40 m ³	1.20 m ³	1370 mm	1474 mm	1520 kg	5	●
	1.83 y ³	1.57 y ³	53.93"	58.03"	3350 kg		
Iron ore excavation	1.60 m ³	1.383 m ³	1522 mm	1640 mm	1580 kg	6	●
	2.09 y ³	1.809 y ³	59.9"	64.6"	3482 kg		
Digging soil, gravel & general construction job	2.10 m ³	1.90 m ³	1565 mm	1685 mm	1725 kg	5	□
	2.74 y ³	2.48 y ³	61.6"	66.3"	3802 lbs		

NOTE: All buckets are NOT recommended for digging rock material without ripping / blasting

□ General purpose use, material weight up to 1.5 t/m³ ● Applicable