



STANDARD EQUIPMENT

ENGINE AND RELATED ITEMS:

- Air cleaner, double element, dry
- Cooling fan, with fan guard
- Engine, Komatsu SA6D140E-3

ELECTRICAL SYSTEM:

- Alternator, 50 amp, 24 V
- Batteries, 170 Ah, 2 x 12 V
- Starting motors, 11kW
- Working lights 2 (boom and RH)
- Auto decelerator

UNDERCARRIAGE:

- 600 mm **23.6"** triple grouser
- 8 track/3 carrier rollers (each side)
- 9 track/3 carrier rollers (each side)(LC)
- Hydraulic track adjusters (each side)
- Variable track gauge
- Sealed track

GUARDS AND COVERS:

- Dust-proof net for radiator and oil cooler
- Pump/engine room partition cover
- Travel motor guards

OPERATOR ENVIRONMENT:

- Damper mount, all-weather, sound-suppressed cab with tinted safety glass windows, lockable door, intermittent window wiper and washer, floor mat, cigarette lighter and ashtray
- Multi-function color monitor, electronically-controlled throttle dials, electric service meter, gauges (coolant temperature, hydraulic oil temperature and fuel level), caution lights (electric charge, engine oil pressure, and air cleaner clogging), indicator lights (engine pre-heating and swing lock light) level check lights (coolant, engine oil, and hydraulic oil level), self-diagnostic system with trouble data memory
- Seat, fully adjustable with suspension
- Cab with pull-up type front window
- Rear view mirror (RH)



OPTIONAL EQUIPMENT

- | | | |
|---|---|--|
| <ul style="list-style-type: none">• Alternator, 75 Amp, 24 V• Arms (Backhoe):
PC600-7:<ul style="list-style-type: none">—3500 mm 11'6" arm assembly—3500 mm 11'6" HD arm assembly—4300 mm 14'1" arm assembly—5200 mm 17'1" arm assembly—2900 mm 9'6" SE arm assembly• Auto air conditioner• Automatic greasing• Booms (Backhoe):<ul style="list-style-type: none">—7660 mm 25'2" boom assembly—7300 mm 23'11" HD boom assembly—6600 mm 21'8" SE boom assembly• Cab front guard (ISO 10262 level 2)• Cab with fixed front window | <ul style="list-style-type: none">• Counterweight 11700kg 25,800 lb• Counterweight remover• 12V electric supply• Fire extinguisher• Full length track guard• General tool kit• Grease gun, electric pump with indicator• Interconnected horn and warning light• KOMTRAX• Large-capacity batteries• Loading shovel attachments• Lower wiper• OPG top guard• Radio AM/FM• Rain visor• Rear view mirror (LH) | <ul style="list-style-type: none">• Seat belt 78 mm 3", 50 mm 2"• Shoes:<ul style="list-style-type: none">—600 mm 23.6" double grouser for Loading shovel—750 mm 29.5" triple grouser—900 mm 35.4" triple grouser for LC only• Spare parts for first service• Step light with timer• Strengthened revolving frame underguard• Sun visor• Track frame undercover (center)• Vandalism protection locks• Working lights 2 (on cab) |
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KOMATSU

PC600/600LC-7 BACKHOE PC600/600LC-7 LOADING SHOVEL

FLYWHEEL HORSEPOWER

287 kW **385 HP** @ 1800 rpm

OPERATING WEIGHT

PC600-7 : 56600~57420 kg

124,780~126,590 lb

PC600LC-7 : 57600~59340 kg

126,990~130,820 lb

**PC
600**

HYDRAULIC EXCAVATOR



Photo may include optional equipment.

PC600-7 Series Hydraulic Excavator

WALK-AROUND

Productivity Features

- **Large digging force**
High operation efficiency with large digging force in rugged work sites
- **Large size bucket**
The wide and shallow contour facilitates loading.
- **Heavy lift mode**
The heavy lift mode increases the lifting force by 8%.
- **Two-mode setting for boom**
Switch selection allows either powerful digging or smooth boom operation.
- **Fuel consumption** is reduced 12% with Economy Mode.
- **Large drawbar pull and steering force** provide excellent mobility.
- **Power Max Function**
This function temporarily increases digging force for added power in tough situations.
- **Excellent Swing Performance** provides excellent swing performance on slope.
See pages 4 and 5.

Excellent Reliability and Durability

- **Strengthened boom and arm** have large cross-sections and reliable welding for maximum strength and reliability. (optional)
- **Reinforced buckets** are highly resistant against wear and impacts. (optional)
- **Face seals**, which have excellent sealing performance, are used for the hydraulic hoses.
- **Protected hydraulic circuit**
The cool-running hydraulic system is protected with the most extensive filtration system available, including a high pressure in-line filter for each main pump.
- **Sturdy guards** shield the travel motors against damage from rocks.
- **Highly Reliable Electronic Devices**
Exclusively designed electronic devices have passed severe testing.
 - Controller - Sensors - Connectors
 - Heat resistant wiringSee page 6.

Harmony with Environment

- **Low emission engine**
Powerful turbocharged and aftercooled Komatsu SA6D140E-3 engine provides 287 kW 385 HP.
See page 4.

Large Comfortable Cab

- Low noise and vibration with cab damper mounting
- Large-capacity cab with narrow corner posts provides improved visibility
- Large-capacity air conditioner (optional)
- Pressurized cab prevents external dust from entering
See page 8.

Easy Maintenance

- Replacement interval is extended for new hydraulic filter.
See page 7.

Large handrail, step and catwalk

provide easy access to the engine and hydraulic equipment.
See page 7.

PC600-7 HYDRAULIC EXCAVATOR

FLYWHEEL HORSEPOWER
287 kW 385 HP @ 1800 rpm

OPERATING WEIGHT

PC600-7
56600 – 57420 kg
124,780 – 126,590 lb
PC600LC-7
57600 – 59340 kg
126,990 – 130,820 lb



Photo may include optional equipment.

Advanced monitor features

- Machine condition can be checked with Equipment Management Monitoring System (EMMS).
- Two working modes combine with heavy lift mode for maximum productivity. See page 5.



PRODUCTIVITY FEATURES

High Production and Low Fuel Consumption

Engine

The PC600-7 gets its exceptional power and work capacity from its Komatsu SA6D140E-3 engine. Output is 287 kW **385 HP** providing more hydraulic power. In addition, the fuel consumption is reduced by 12% when using Economy Mode.

Large Digging Force

Thanks to the high engine output and an excellent hydraulic system, this machine demonstrates powerful digging force.

Large Drawbar Pull and Steering Force

Since the machine has a large drawbar pull and a high steering force, it demonstrates excellent mobility even when it is being used on inclined sites.

Excellent Swing Performance

Twin-swing motor system of PC600-7 provides excellent swing performance on slope.

Excellent Machine Stability

Large machine weight and wide track gauge provide excellent machine stability.

Large Bucket Capacity

Large capacity bucket has large and shallow contour offers easy loading.

PC600-7: 2.0 - 3.1 m³ **2.62 - 4.05 yd³**
(with SE attachment: 3.5 m³ **4.58 yd³**)



Photo may include optional equipment.

Working Mode Selection

Hydraulics

Unique two-pump system assures smooth compound movement of the work equipment. OLSS (Open Center Load Sensing System) controls all pumps for efficient engine power use. This system also reduces hydraulic loss during operation.

Active and Economy mode

The PC600-7 excavator is equipped with two working modes. Each mode is designed to match engine speed, pump speed, and system pressure to the current application, giving the operator 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	- Good cycle times - Good fuel economy

Two Working Modes

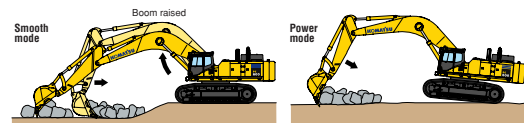
Heavy Lift Mode

Heavy Lift Mode

Gives the operator 10% more lifting force on the boom when needed for handling rock or heavy lifting applications.

Two Settings for the Boom

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



Power Max Function

This function temporarily increases digging force by 8% for added power in tough situations.

Excellent Underfoot Digging Performance

The operability of the underfoot area, just below the operators cab, is excellent. This makes grading, leveling, rolling, carrying, and scraping soil in the underfoot area easy.

Automatic Two-Speed Travel

Travel speed automatically shifted from high to low speed according to the pressure of travel.

PC600-7 HYDRAULIC EXCAVATOR

Multi-Function Color Monitor



EMMS (Equipment Management Monitoring System)

- Monitor Function**
Controller monitors engine oil level, coolant temperature, battery charge air-filter restriction, etc.
The controller finds any abnormality and displays it on the LCD.
- Maintenance Monitor Function**
Informs replacement time of oil and filters on LCD when the replacement interval is reached.
- Trouble Data Memory Function**
Stores machine abnormalities (error codes) in the monitor for effective trouble shooting.

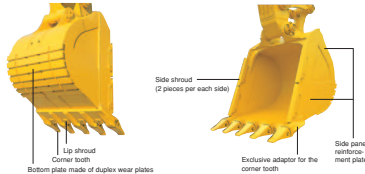
PC600-7 HYDRAULIC EXCAVATOR

RELIABILITY FEATURES

Excellent Reliability and Durability

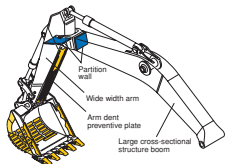
Reinforced Bucket (optional)

PC600-7 bucket is designed exclusively for quarry use and is higher strength for impact and wear. It is highly resistant against wear and impact and demonstrates high performance and reliability. Combined with the saddling type side shroud and the corner teeth, the life of the bucket has been greatly improved.



Strengthened Boom and Arm (optional)

Thanks to the large cross-sectional structure employing a high tensile strength steel with a thick plate, partition wall, etc., the boom and arm exhibit excellent durability and are highly resistant to bends and twists.



O-Ring Face Seal

The hydraulic hose seal method has been changed from a conventional taper seal to an O-ring seal. This provides improved sealing performance during vibration.

Frame Structure

The revolving frame and center frame mount are no welding structure so that force is transmitted directly to the thick plate of the frame without passing through any welding.

High-pressure In-Line Filtration

The PC600-7 has the most extensive filtration system available, providing in-line filters as standard equipment. An in-line filter in the outlet port of each main hydraulic pump reduces failures caused by contamination.



Metal Guard Rings

Metal guard rings protect all the hydraulic cylinders and improve reliability.



Heat-Resistant Wiring

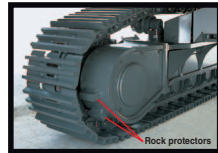
Heat-resistant wiring is utilized for the engine electric circuit and other major component circuits.

Circuit Breaker

With the circuit breaker, the machine can be easily restarted after repair.

Sturdy Undercarriage

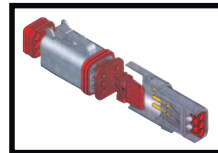
The undercarriage is strengthened to provide excellent reliability and durability when working on rocky ground or blasted rock.



Sturdy guards shield the travel motors and piping against damage from rocks. (Rock protectors are optional.)



Track roller guard (full length) (optional)



DT-type connectors seal tight and have higher reliability.

MAINTENANCE FEATURES

Easy Maintenance

Komatsu designed the PC600-7 for easy service access.

Wide Catwalk

Wide walkway for maintenance is provided around the engine and hydraulic components, allowing easy access to inspection and maintenance points.



Footing Over Engine

Since a step is being installed to a section above the engine, daily inspections of the engine and its neighborhood can be conducted easily. Also, a protection cover is being adopted to prevent direct touch of hands to the high temperature sections such as the turbocharger.



Motorized Grease Gun Equipped with Hose Reel (optional)

Greasing is made easy with the electric motorized grease gun and indicator.



Indicator Grease gun

Reduced Maintenance Costs

Hydraulic oil filter replacement is extended from 500 to 1000 hours.



KOMTRAX® System (optional)

The KOMTRAX system monitors machine condition, operating status, operating location, etc., and provides timely notification of any machine problems.

Since data is transmitted via satellite communication system, secure data communication is possible from any operating site including a quarry or a mine, further improving machine reliability.

(There are some countries where this feature is not in service. Please consult Komatsu distributor for availability.)



Photo may include optional equipment.

WORKING ENVIRONMENT

The cab interior is spacious and provides a comfortable working environment...

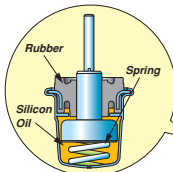
Large Comfortable Cab

Superb Visibility

The PC600-7's large capacity cab and increased glass area provide superb front visibility.

Cab Mounts

The new cab damper mounting reduces vibration and noise at operator's seat.



Suspension seat

The suspension seat has been improved to reduce and absorb vibration transmitted to the operator. Rigidity adjustment, fore and aft sliding, as well as up and down adjustment is available to accommodate the body-build of operators.



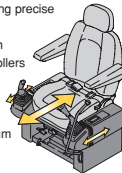
Low Noise Design

The noise levels at the operator's ear are decreased by improving the cab mounts and cab sealing performance.

Multi-Position Controls

The multi-position, pressure proportional control levers allow the operator to work in comfort while maintaining precise control.

A double-slide mechanism allows the seat and controllers to move together or independently, allowing the operator to position the controllers for maximum productivity and comfort.



Seat with headrest fully reclined

Pressurized Cab

The optional air conditioner, air filter, and a higher internal air pressure (6 mm Aq 0.24" in Aq) prevent external dust from entering the cab.

(Cab with fixed front window (optional)
Internal air pressure : 10 mm Aq 0.39" in Aq)

Automatic Air Conditioner (Optional)

A 6,900 kcal air conditioner is utilized. The bi-level control function keeps the operator's head and feet cool and warm respectively. This improved air flow function keeps the inside of the cab comfortable throughout the year.



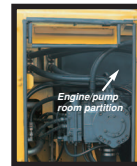
PC600-7
HYDRAULIC EXCAVATOR

Seat belt shown in photo is optional.

Safety Features



Rigid and Safe Operator's Cab
OPG top guard (optional)
Single sheet fixed glass (optional)
See-through skylight equipped with a sun shade (optional)
Additional head lamp (optional)
Lower wiper (optional)
Horn interconnected with warning light (optional)



Engine/pump room partition
prevents oil from spraying on the engine if a hydraulic hose should burst.



Step light with timer (optional)
provides light for about one minute to allow the operator to get off the machine safely.



Large handrails and wide catwalk
are provided around revolving frame for easier and safer access to engine and hydraulic components.

Photo may include optional equipment.

SPECIFICATIONS & EQUIPMENT



ENGINE

Model	Komatsu SA6D140E-3
Type	4-cycle, water-cooled, direct injection
Aspiration	Turbocharged and aftercooled
Number of cylinders	6
Bore	140 mm 5.51"
Stroke	165 mm 6.50"
Piston displacement	15.24 ltr 930 in ³
Flywheel horsepower	287 kW 385 HP @ 1800 rpm (SAE J1349)
Governor	All-speed, electronic



HYDRAULIC SYSTEM

Type	Open-center load-sensing system
Number of selectable working modes	2
Main pump:	
Type	Variable-capacity piston pumps
Pumps for	Boom, arm, bucket, swing, and travel circuits

Maximum flow:	
Main	2 x 410 ltr/min 2 x 108 U.S. gpm
Sub-pump for control circuit	Gear pump
Hydraulic motors:	
Travel	2 x axial piston motor with parking brake
Swing	2 x axial piston motor with swing holding brake

Relief valve setting:	
Implement circuits	
Backhoe	31.9 MPa 325 kgf/cm ² 4,620 psi
Loading shovel	29.4 MPa 300 kgf/cm ² 4,270 psi
Travel circuit	34.3 MPa 350 kgf/cm ² 4,980 psi
Swing circuit	25.5 MPa 260 kgf/cm ² 3,700 psi
Heavy lift circuit *	34.3 MPa 350 kgf/cm ² 4,980 psi
Pilot circuit	2.9 MPa 30 kgf/cm ² 430 psi
* Only Backhoe	

Hydraulic cylinders:	
Number of cylinders—bore x stroke	
Backhoe	
Boom	2 – 185 mm x 1725 mm 7.3" x 67.9"
Arm	1 – 200 mm x 2045 mm 7.9" x 80.5"
Bucket : STD	1 – 185 mm x 1425 mm 7.3" x 56.1"
for 2.9m 9.6" Arm	1 – 185 mm x 1610 mm 7.3" x 63.4"



DRIVES AND BRAKES

Steering control	Two levers with pedals
Drive method	Fully hydrostatic
Travel motor	Planetary gear, in-shoe design
Reduction system	Planetary double reduction
Maximum drawbar pull	415kN 42300 kg 93,250 lb
Gradability	70%
Maximum travel speed	
Low	3.0 km/h 1.9 mph
High	4.9 km/h 3.0 mph
Service brake	Hydraulic lock
Parking brake	Oil disc brake



SWING SYSTEM

Driven method	Hydraulic motor
Swing reduction	Planetary gear
Swing circle lubrication	Grease-bathed
Swing lock	Oil disc brake
Swing speed	8.3 rpm



UNDERCARRIAGE

Center frame	H-leg frame
Track frame	Box-section
Track chain	Sealed
Track adjuster	Hydraulic
No. of shoes	49 each side (PC600-7)
	52 each side (PC600LC-7)
No. of carrier rollers	3 each side
No. of track rollers	8 each side (PC600-7)
	9 each side (PC600LC-7)



COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank	880 ltr 232.5 U.S. gal
Radiator	57 ltr 15.1 U.S. gal
Engine	37 ltr 9.8 U.S. gal
Final drive, each side	10 ltr 2.6 U.S. gal
Swing drive	2 x 13 ltr 2 x 3.4 U.S. gal
Hydraulic tank	360 ltr 95.0 U.S. gal



OPERATING WEIGHT (APPROXIMATE)

BACKHOE
Operating weight, including 7660 mm 25'2" boom, 3500 mm 11'6" arm, SAE heaped 2.7 m³ 3.53 yd³ backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

Shoes	PC600-7		PC600LC-7	
	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
Triple grouser 600 mm 23.6"	56800 kg 124,780 lb	100.0 kPa 1.02 kgf/cm ² 14.5 psi	57600 kg 126,990 lb	95.0 kPa 0.97 kgf/cm ² 13.8 psi
750 mm 29.5"	57420 kg 126,590 lb	81.6 kPa 0.83 kgf/cm ² 11.8 psi	58480 kg 128,930 lb	77.2 kPa 0.79 kgf/cm ² 11.2 psi
900 mm 35.4"	—	—	59340 kg 130,820 lb	65.3 kPa 0.67 kgf/cm ² 9.5 psi

LOADING SHOVEL
Operating weight, including 4000 mm 13'1" boom, 3000 mm 9'10" arm, 4.0 m³ 5.2 yd³ heaped bucket, operator, lubricants, coolant, full fuel tank and standard equipment.

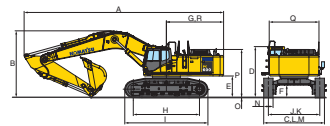
Shoes	PC600-7		PC600LC-7	
	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
Double grouser 600 mm 23.6"	61100 kg 134,700 lb	108 kPa 1.10 kgf/cm ² 15.6 psi	62200 kg 137,130 lb	103 kPa 1.05 kgf/cm ² 14.9 psi



DIMENSIONS

Boom	7660 mm 25'2"	7660 mm 25'2"	7660 mm 25'2"	7300 mm 23'11"	6600 mm 21'9"
Arm	3500 mm 11'6"	4300 mm 14'1"	5200 mm 17'1"	3500 mm 11'6"	2900 mm 9'6"
A Overall length	12810 mm 42'0"	12730 mm 41'9"	12435 mm 40'10"	12440 mm 40'10"	11830 mm 38'10"
B Overall height (to top of boom)	4300 mm 14'1"	4655 mm 15'3"	5235 mm 17'2"	4280 mm 14'1"	4600 mm 15'1"

	PC600-7		PC600LC-7	
	Overall width	Overall height (to top of cab)	Overall width	Overall height (to top of cab)
C	3900 mm 12'10"	3290 mm 10'10"	3900 mm 12'10"	3290 mm 10'10"
D	3290 mm 10'10"	3290 mm 10'10"	3290 mm 10'10"	3290 mm 10'10"
E	1365 mm 4'6"	1365 mm 4'6"	1365 mm 4'6"	1365 mm 4'6"
F	780 mm 2'7"	780 mm 2'7"	780 mm 2'7"	780 mm 2'7"
G	3800 mm 12'6"	3800 mm 12'6"	3800 mm 12'6"	3800 mm 12'6"
H	4250 mm 13'11"	4600 mm 15'11"	4250 mm 13'11"	4600 mm 15'11"
I	5340 mm 17'8"	5690 mm 18'8"	5340 mm 17'8"	5690 mm 18'8"
J	2590 mm 8'6"	2590 mm 8'6"	2590 mm 8'6"	2590 mm 8'6"
K	3300 mm 10'10"	3300 mm 10'10"	3300 mm 10'10"	3300 mm 10'10"
L	3190 mm 10'6"	3190 mm 10'6"	3190 mm 10'6"	3190 mm 10'6"
M	3900 mm 12'10"	3900 mm 12'10"	3900 mm 12'10"	3900 mm 12'10"
N	600 mm 23.6"	600 mm 23.6"	600 mm 23.6"	600 mm 23.6"
O	37 mm 1.5"	37 mm 1.5"	37 mm 1.5"	37 mm 1.5"
P	3070 mm 10'1"	3070 mm 10'1"	3070 mm 10'1"	3070 mm 10'1"
Q	3195 mm 10'6"	3195 mm 10'6"	3195 mm 10'6"	3195 mm 10'6"
R	3675 mm 12'1"	3675 mm 12'1"	3675 mm 12'1"	3675 mm 12'1"



WORKING RANGE

Unit: mm / in

	Boom	7660 25'2"	7660 25'2"	7660 25'2"	7300 23'11"	6600 21'9"
Arm	3500 11'6"	4300 14'1"	5200 17'1"	3500 11'6"	2900 9'6"	
A Max. digging height	11880 39'0"	12180 40'0"	12560 41'3"	11475 37'6"	11140 36'7"	
B Max. dumping height	7960 26'1"	8245 27'1"	8600 28'3"	7650 25'1"	7210 23'8"	
C Max. digging depth	8490 27'10"	9275 30'5"	10225 33'7"	8165 26'9"	7060 23'2"	
D Max. vertical wall digging depth	7510 24'8"	8375 27'6"	9275 30'5"	6660 21'10"	5630 18'6"	
E Max. digging depth of cut for 8' level	8360 27'5"	9175 30'1"	10125 33'3"	8030 26'4"	6910 22'8"	
F Max. digging reach	13020 42'9"	13740 45'1"	14630 48'0"	12615 41'5"	11550 37'11"	
G Max. digging reach at ground level	12800 42'0"	13555 44'6"	14435 47'4"	12385 40'8"	11300 37'1"	
H Min. swing radius	5370 17'7"	5385 17'8"	5510 18'1"	5090 16'8"	4670 15'4"	
Bucket digging force (SAE)	264 kN 26900 kgf 59,300 lb	285 kN 29100 kgf 64,150 lb	294 kN 29900 kgf 66,040 lb	312 kN 31770 kgf 70,840 lb	312 kN 31770 kgf 70,840 lb	
Bucket digging force at power max. (SAE)	222 kN 22600 kgf 49,820 lb	194 kN 19800 kgf 43,650 lb	170 kN 17300 kgf 38,140 lb	222 kN 22600 kgf 49,820 lb	260 kN 26500 kgf 58,420 lb	
Arm crowd force (SAE)	238 kN 24300 kgf 53,570 lb	209 kN 21300 kgf 46,960 lb	182 kN 18600 kgf 41,610 lb	238 kN 24300 kgf 53,570 lb	260 kN 26500 kgf 58,420 lb	
Arm crowd force at power max. (SAE)	228 kN 23300 kgf 51,370 lb	202 kN 20600 kgf 45,410 lb	176 kN 17900 kgf 39,460 lb	228 kN 23300 kgf 51,370 lb	272 kN 27700 kgf 61,070 lb	
Bucket digging force (ISO)	246 kN 25100 kgf 55,340 lb	218 kN 22200 kgf 48,040 lb	189 kN 19300 kgf 42,550 lb	246 kN 25100 kgf 55,340 lb	293 kN 29900 kgf 65,920 lb	
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PC600-7 HYDRAULIC EXCAVATOR



BACKHOE BUCKET AND ARM COMBINATION

BUCKET CAPACITY (HEAPED)		WIDTH		WEIGHT		ARM LENGTH	
SAE, PCSA m ³ yd ³	CECE m ³ yd ³	With Side shrouds, Side cutters mm in	Without Side shrouds, Side cutters mm in	(with side cutters) kg lb		m ft	in
use with 7.66m 25'2" boom							
2.0	2.82	1.8	2.35	1430	56.3"	1250	49.2"
2.3	3.01	2.1	2.75	1580	62.2"	1400	55.1"
2.7	3.53	2.4	3.14	1780	70.1"	1600	63.0"
use with 7.3m 23'11" HD boom							
2.8	3.66	2.5	3.27	1870	73.8"	1870	73.8"
3.1	4.05	2.8	3.66	2000	78.7"	2000	78.6"
use with 6.6m 21'8" SE boom							
						2.9	9'6" SE arm

These charts are based on over-side stability with fully loaded bucket at maximum reach.

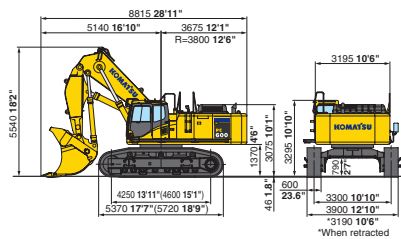
○ : General purpose use, density up to 1.8 t/m³ 3,000 lb/yd³ □ : General purpose use, density up to 1.5 t/m³ 2,500 lb/yd³

— : Not useable

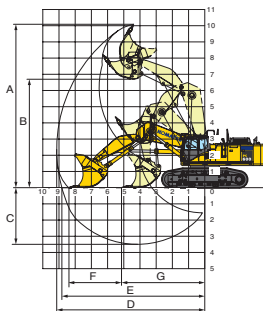
★ : Bucket tip width ★★ : Installed to LC crawler



LOADING SHOVEL DIMENSIONS



LOADING SHOVEL WORKING RANGE AND BUCKET SELECTION



Working Range

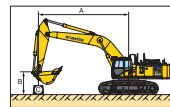
Type of bucket	Bottom dump
Capacity-heaped	4.0 m ³ 5.2 yd ³
A Max. cutting height	10090 mm 33'1"
B Max. dumping height	6705 mm 22'0"
C Max. digging depth	3495 mm 11'6"
D Max. digging reach	9190 mm 30'2"
E Max. digging reach at ground level	8850 mm 29'0"
F Level crowding distance	3275 mm 10'9"
G Min. crowd distance	5135 mm 16'10"
Bucket digging force	386 kN 39400 kg 86,880 lb
Arm crowd force	338 kN 34500 kg 76,680 lb

Bucket Selection

Type of bucket	Bottom dump
Capacity-heaped	4.0 m ³ 5.2 yd ³
Width	2090 mm 82.3"
Weight	5700 kg 12,570 lb
No. of bucket teeth	6
Recommended uses	General-purpose digging and loading



LIFTING CAPACITY



PC600-7

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

Boom : 7.66m 25'2" Arm : 3.5m 11'6" Bucket : 2.7m ³ 3.53cu.yd. Shoes : 600mm 23.6" triple, Heavy-lifting "OFF"		6.1m 20'		4.6m 15'		3.0m 10'	
B	A	Cf	Cs	Cf	Cs	Cf	Cs
9.1m	30'	*17,600	*17,600				
7.6m	25'	*17,600	*17,200	*20,400	19,900		
6.1m	20'	*17,400	16,000	*22,400	19,700	*11,450	*11,450
4.6m	15'	*18,300	14,200	*23,800	19,000	*26,600	*25,100
3.0m	10'	18,000	13,300	24,200	18,300	*30,800	25,100
1.5m	5'	8000	5900	10650	7950	14400	10800
0m	0'	8200	6050	10350	7700	13500	9950
-1.5m	-5'	18,100	13,300	22,900	17,000	29,800	21,900
-3.0m	-10'	8850	6550	10250	7600	13550	9700
-4.6m	-15'	10150	7550	10350	7650	13500	9950
-6.1m	-20'	*22,900	21,000	22,800	16,900	29,800	22,000
		*20,500	*20,500			*25,300	*25,300

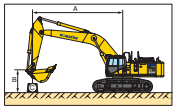
Boom : 7.3m 23'11" Arm : 3.5m 11'6" Bucket : 2.8m ³ 3.66cu.yd. Shoes : 600mm 23.6" triple, Heavy-lifting "ON"		6.1m 20'		4.6m 15'		3.0m 10'	
B	A	Cf	Cs	Cf	Cs	Cf	Cs
9.1m	30'	*18,500	*18,500				
7.6m	25'	*19,500	*19,500	*22,500	19,900		
6.1m	20'	*19,300	16,000	*25,100	19,700	*12,750	12,700
4.6m	15'	*19,300	14,200	*25,100	19,700	*17,650	*17,650
3.0m	10'	18,000	13,300	24,200	18,300	*20,150	16,350
1.5m	5'	8000	5900	10650	7950	14400	10800
0m	0'	8200	6050	10350	7700	13500	9950
-1.5m	-5'	18,100	13,300	22,900	17,000	29,800	21,900
-3.0m	-10'	8850	6550	10250	7600	13550	9700
-4.6m	-15'	10150	7550	10350	7650	13500	9950
-6.1m	-20'	*22,900	21,000	22,800	16,900	29,800	22,000
		*20,500	*20,500			*25,300	*25,300

Boom : 7.3m 23'11" Arm : 3.5m 11'6" Bucket : 2.8m ³ 3.66cu.yd. Shoes : 600mm 23.6" triple, Heavy-lifting "OFF"		6.1m 20'		4.6m 15'		3.0m 10'	
B	A	Cf	Cs	Cf	Cs	Cf	Cs
9.1m	30'	*15,600	*15,600				
7.6m	25'	*15,600	*15,600	*18,500	18,500		
6.1m	20'	*15,200	*15,200	*18,500	18,500	*10,500	10,500
4.6m	15'	*16,200	*16,200	*23,100	23,100	*12,500	12,500
3.0m	10'	*16,400	*16,400	*23,300	23,300	*14,900	14,900
1.5m	5'	18,800	18,800	24,000	17,900	*30,400	25,100
0m	0'	18,800	18,800	24,000	17,900	*30,400	25,100
-1.5m	-5'	18,800	18,800	24,000	17,900	*30,400	25,100
-3.0m	-10'	18,800	18,800	24,000	17,900	*30,400	25,100
-4.6m	-15'	18,800	18,800	24,000	17,900	*30,400	25,100
-6.1m	-20'	*23,300	*23,300			*26,000	*26,000

*Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

LIFTING CAPACITY



PC600-7

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

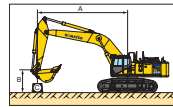
Boom : 7.3m 21'1" Arm : 3.5m 11'6" Bucket : 2.8m ³ 3.66cu.yd. Shoes : 600mm 23.6", Heavy-lifting: "ON"													unit: kg lb
MAX													
B	A	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m	30'	18,500	18,500			20,500	20,500						
7.6m	25'	18,500	18,500			23,800	25,800						
6.1m	20'	18,300	17,000	11,350	8,650	11,350	12,600	11,720	11,720	11,720	11,720		
4.6m	15'	18,300	17,000	25,000	19,100	27,800	27,700	11,720	11,720	11,720	11,720		
3.0m	10'	18,300	17,000	25,000	19,100	27,800	27,700	11,720	11,720	11,720	11,720		
1.5m	5'	18,300	17,000	25,000	19,100	27,800	27,700	11,720	11,720	11,720	11,720		
0m	0'	18,300	17,000	25,000	19,100	27,800	27,700	11,720	11,720	11,720	11,720		
-1.5m	-5'	18,300	17,000	25,000	19,100	27,800	27,700	11,720	11,720	11,720	11,720		
-3.0m	-10'	18,300	17,000	25,000	19,100	27,800	27,700	11,720	11,720	11,720	11,720		
-4.6m	-15'	18,300	17,000	25,000	19,100	27,800	27,700	11,720	11,720	11,720	11,720		

Boom : 6.6m 21'8" Arm : 2.9m 9'6" Bucket : 3.5m ³ 4.58cu.yd. Shoes : 600mm 23.6", Heavy-lifting: "OFF"													unit: kg lb
MAX													
B	A	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m	30'	18,300	18,300			24,700	24,700						
7.6m	25'	18,300	18,300			25,800	25,800						
6.1m	20'	18,300	18,300	11,150	8,400	12,750	12,750	11,350	11,350	11,350	11,350		
4.6m	15'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		
3.0m	10'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		
1.5m	5'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		
0m	0'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		
-1.5m	-5'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		
-3.0m	-10'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		
-4.6m	-15'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		

Boom : 6.6m 21'8" Arm : 2.9m 9'6" Bucket : 3.5m ³ 4.58cu.yd. Shoes : 600mm 23.6", Heavy-lifting: "ON"													unit: kg lb
MAX													
B	A	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m	30'	18,300	18,300			24,700	24,700						
7.6m	25'	18,300	18,300			25,800	25,800						
6.1m	20'	18,300	18,300	11,150	8,400	12,750	12,750	11,350	11,350	11,350	11,350		
4.6m	15'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		
3.0m	10'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		
1.5m	5'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		
0m	0'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		
-1.5m	-5'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		
-3.0m	-10'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		
-4.6m	-15'	18,300	18,300	24,600	18,500	28,100	28,100	11,350	11,350	11,350	11,350		

*Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

LIFTING CAPACITY



PC600LC-7

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

Boom : 7.66m 25'2" Arm : 3.5m 11'6" Bucket : 2.7m ³ 3.53cu.yd. Shoes : 600mm 23.6", Heavy-lifting: "OFF"													unit: kg lb
MAX													
B	A	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m	30'	17,600	17,600										
7.6m	25'	17,600	17,600										
6.1m	20'	17,600	17,600	10,200	9,250	11,450	11,450	11,590	11,590	11,590	11,590		
4.6m	15'	17,600	17,600	20,400	20,400	25,300	25,300	11,590	11,590	11,590	11,590		
3.0m	10'	17,600	17,600	20,400	20,400	25,300	25,300	11,590	11,590	11,590	11,590		
1.5m	5'	17,600	17,600	20,400	20,400	25,300	25,300	11,590	11,590	11,590	11,590		
0m	0'	17,600	17,600	20,400	20,400	25,300	25,300	11,590	11,590	11,590	11,590		
-1.5m	-5'	17,600	17,600	20,400	20,400	25,300	25,300	11,590	11,590	11,590	11,590		
-3.0m	-10'	17,600	17,600	20,400	20,400	25,300	25,300	11,590	11,590	11,590	11,590		
-4.6m	-15'	17,600	17,600	20,400	20,400	25,300	25,300	11,590	11,590	11,590	11,590		

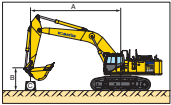
Boom : 7.66m 25'2" Arm : 3.5m 11'6" Bucket : 2.7m ³ 3.53cu.yd. Shoes : 600mm 23.6", Heavy-lifting: "ON"													unit: kg lb
MAX													
B	A	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m	30'	18,500	18,500										
7.6m	25'	18,500	18,500										
6.1m	20'	18,500	18,500	10,200	9,250	11,450	11,450	11,590	11,590	11,590	11,590		
4.6m	15'	18,500	18,500	22,500	20,400	25,300	25,300	11,590	11,590	11,590	11,590		
3.0m	10'	18,500	18,500	22,500	20,400	25,300	25,300	11,590	11,590	11,590	11,590		
1.5m	5'	18,500	18,500	22,500	20,400	25,300	25,300	11,590	11,590	11,590	11,590		
0m	0'	18,500	18,500	22,500	20,400	25,300	25,300	11,590	11,590	11,590	11,590		
-1.5m	-5'	18,500	18,500	22,500	20,400	25,300	25,300	11,590	11,590	11,590	11,590		
-3.0m	-10'	18,500	18,500	22,500	20,400	25,300	25,300	11,590	11,590	11,590	11,590		
-4.6m	-15'	18,500	18,500	22,500	20,400	25,300	25,300	11,590	11,590	11,590	11,590		

Boom : 7.3m 23'1" Arm : 3.5m 11'6" Bucket : 2.8m ³ 3.66cu.yd. Shoes : 600mm 23.6", Heavy-lifting: "OFF"													unit: kg lb
MAX													
B	A	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m	30'	16,600	16,600			18,500	18,500						
7.6m	25'	16,600	16,600			20,500	20,500						
6.1m	20'	16,600	16,600	10,100	8,850	11,300	11,300	11,550	11,550	11,550	11,550		
4.6m	15'	16,600	16,600	22,300	19,500	24,800	24,800	11,550	11,550	11,550	11,550		
3.0m	10'	16,600	16,600	22,300	19,500	24,800	24,800	11,550	11,550	11,550	11,550		
1.5m	5'	16,600	16,600	22,300	19,500	24,800	24,800	11,550	11,550	11,550	11,550		
0m	0'	16,600	16,600	22,300	19,500	24,800	24,800	11,550	11,550	11,550	11,550		
-1.5m	-5'	16,600	16,600	22,300	19,500	24,800	24,800	11,550	11,550	11,550	11,550		
-3.0m	-10'	16,600	16,600	22,300	19,500	24,800	24,800	11,550	11,550	11,550	11,550		
-4.6m	-15'	16,600	16,600	22,300	19,500	24,800	24,800	11,550	11,550	11,550	11,550		

*Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC600-7 HYDRAULIC EXCAVATOR

LIFTING CAPACITY



PC600LC-7

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

Boom : 7.3m 23'11" Arm : 3.5m 11'6" Bucket : 2.8m ³ 3.66cu.yd. Shoes : 600mm 23.6" Heavy-lifting: "ON"										
unit: kg lb										
B	A	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf
9.1m	30'	*18,500	*18,500			*9,300	*9,300			
7.6m	25'	*18,000	*18,000			*11,700	*11,700			
6.1m	20'	*18,300	*18,300	*11,350	8850	*25,800	*25,800			
4.6m	15'	*18,300	*18,300	*11,350	8850	*27,800	*27,800			
3.0m	10'	*18,300	*18,300	*11,350	8850	*12,250	*12,250	*22,700	*22,700	
1.5m	5'	*18,300	*18,300	*11,350	8850	*38,000	*38,000	*50,000	*50,000	
0m	0'	*18,300	*18,300	*11,350	8850	*11,700	*11,700	*22,700	*22,700	
-1.5m	-5'	*18,300	*18,300	*11,350	8850	*11,700	*11,700	*22,700	*22,700	
-3.0m	-10'	*18,300	*18,300	*11,350	8850	*11,700	*11,700	*22,700	*22,700	
-4.6m	-15'	*18,300	*18,300	*11,350	8850	*11,700	*11,700	*22,700	*22,700	

Boom : 6.6m 21'8" Arm : 2.9m 9'6" Bucket : 3.5m ³ 4.58cu.yd. Shoes : 600mm 23.6" Heavy-lifting: "OFF"										
unit: kg lb										
B	A	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf
9.1m	30'	*19,300	*19,300			*11,200	*11,200			
7.6m	25'	*18,300	*18,300			*11,700	*11,700			
6.1m	20'	*18,300	*18,300	*11,150	8600	*25,800	*25,800			
4.6m	15'	*18,300	*18,300	*11,150	8600	*27,800	*27,800			
3.0m	10'	*18,300	*18,300	*11,150	8600	*12,250	*12,250	*22,700	*22,700	
1.5m	5'	*18,300	*18,300	*11,150	8600	*38,000	*38,000	*50,000	*50,000	
0m	0'	*18,300	*18,300	*11,150	8600	*11,700	*11,700	*22,700	*22,700	
-1.5m	-5'	*18,300	*18,300	*11,150	8600	*11,700	*11,700	*22,700	*22,700	
-3.0m	-10'	*18,300	*18,300	*11,150	8600	*11,700	*11,700	*22,700	*22,700	
-4.6m	-15'	*18,300	*18,300	*11,150	8600	*11,700	*11,700	*22,700	*22,700	

Boom : 6.6m 21'8" Arm : 2.9m 9'6" Bucket : 3.5m ³ 4.58cu.yd. Shoes : 600mm 23.6" Heavy-lifting: "ON"										
unit: kg lb										
B	A	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf
9.1m	30'	*21,400	*21,400			*12,500	*12,500			
7.6m	25'	*20,300	*20,300			*27,500	*27,500			
6.1m	20'	*20,300	*20,300	*13,050	12850	*28,800	*28,800			
4.6m	15'	*20,300	*20,300	*13,050	12850	*31,300	*31,300			
3.0m	10'	*20,300	*20,300	*13,050	12850	*14,200	*14,200	*27,250	*27,250	
1.5m	5'	*20,300	*20,300	*13,050	12850	*46,800	*46,800	*58,500	*58,500	
0m	0'	*20,300	*20,300	*13,050	12850	*14,200	*14,200	*27,250	*27,250	
-1.5m	-5'	*20,300	*20,300	*13,050	12850	*14,200	*14,200	*27,250	*27,250	
-3.0m	-10'	*20,300	*20,300	*13,050	12850	*14,200	*14,200	*27,250	*27,250	
-4.6m	-15'	*20,300	*20,300	*13,050	12850	*14,200	*14,200	*27,250	*27,250	

*Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

TRANSPORTATION GUIDE

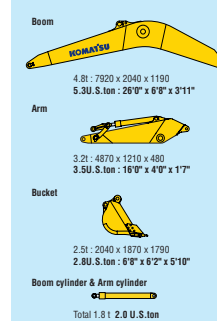
Transportation specifications (length x height x width)

Backhoe

Specs shown include the following equipment:
PC600-7 : Boom 7660 mm 25'2", Arm 3500 mm 11'6",
Bucket 2.7 m³ 3.53 yd³, Shoes 600 mm 23.6" triple grouser

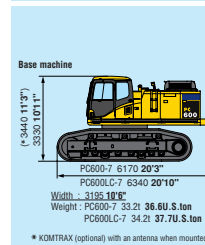
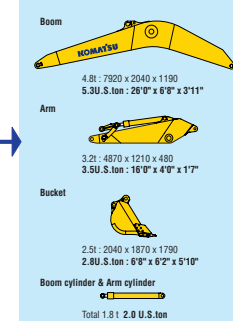
3 Kits Transportation

Work equipment assembly (Backhoe)
Weight : 12.41 13.7 U.S.ton

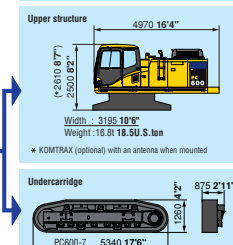
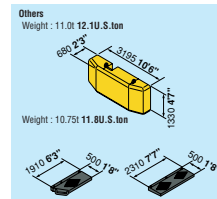


4 Kits Transportation

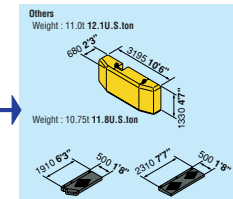
Work equipment assembly (Backhoe)
Weight : 12.41 13.7 U.S.ton



* KOMTRAX (optional) with an antenna when mounted



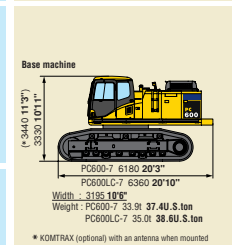
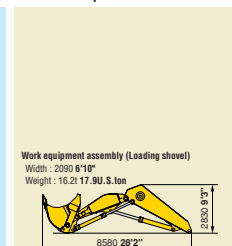
* KOMTRAX (optional) with an antenna when mounted



Loading Shovel

Specs shown include the following equipment:
PC600-7 : Boom 4000 mm 13'1", Arm 3000 mm 9'10",
Bucket 4.0 m³ 5.2 yd³, Shoes 600 mm 23.6" double grouser

3 Kits Transportation



* KOMTRAX (optional) with an antenna when mounted

