HORSEPOWER

Gross:323 kW 433 HP @ 1800 rpm Net:320 kW 429 HP @ 1800 rpm

> **OPERATING WEIGHT** 65700-67800 kg

> 144,840-149,470 lb

PC700LC-8E0BACKHOE

KOMATSU®

ecot3





HORSEPOWER

Gross:323 kW 433 HP @ 1800 rpm Net:320 kW 429 HP @ 1800 rpm

OPERATING WEIGHT

65700-67800 kg

144,840 - 149,470 lb

WALK-AROUND

One-class higher undercarriage to support operations in severe jobsites, PC700LC-8E0 is a large-sized hydraulic excavator having both high stability and durability.

Productivity Features

- Large Drawbar Pull and Steering Force provide excellent mobility.
- High Work Equipment Speed
 Increased arm dumping speed and arm speed of compound operation by arm regeneration circuit realize efficient loading operation.
- Two-mode Setting for Boom
 Switch selection allows either powerful digging or smooth boom operation.
- Large Digging Force
 Pressing the Power Max function button temporarily increases the digging force 8%.
- New Design Large SE Bucket (optional for SE spec.)
 4.0m³ (5.2yd³) SE bucket is available.

See page 5.

Ecology and Economy Features

• Low Emission Engine

A powerful, turbocharged and air-to-air aftercooled Komatsu SAA6D140E-5 provides **320 kW** 429 HP. This engine is EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.

• Low Ambient Noise

- Electronically controlled variable speed fan drive
- Large hybrid fan
- Glasswool-furnished low-noise muffler and noise reducing cover around the muffler

Mode Selection

Working modes selectable

Photo may include optional equipment.

- Economy mode improves fuel consumption.
- Eco-gauge for energy-saving operations
- Extended idling caution for fuel conservation
- Auto deceleration and auto idling system reduce fuel consumption.

See pages 4, 5.

Large TFT LCD Monitor

- Easy-to-see and use 7" large multi-function color monitor
- Can be displayed in 12 languages for global support.

TFT: Thin Film Transistor LCD: Liquid Crystal Display

See page 10.



Working Environment

• Large Comfortable Cab

- Low-noise design cab
- Wide newly designed cab
- Pressurised cab
- Multi-position controls
- Low vibrations with cab damper mounting
- Automatic air conditioner (optional)
- OPG top guard (optional)

See pages 8, 9.

Excellent Reliability and Durability

• Sturdy Undercarriage

One-class higher undercarriage having high reliability and durability

- Simple Frame Structure (Swing Circle Mount)
- Sturdy Guards
- Strengthened SE Boom and SE Arm (SE spec.)
- Strengthened Quarry Bucket and 4.0m3 SE Bucket
- KMAX Tooth
- Fuel Pre-filter with water separator and High Efficiency Fuel Filter equipped as standard.

• O-ring Face Seal

• High-pressure In-line Filtration

- Metal Guard Rings
- Highly Reliable Electronic Devices

www.wme.cn/komatsu-pc700lc-8e0/

- Heat-resistant wiring
- Circuit breaker
- DT-type connectors

See pages 6, 7.

PRODUCTIVITY & ECOLOGY FEATURES

Komatsu Technology



Komatsu develops and produces all major components, such as engines, electronics and hydraulic components, in house.

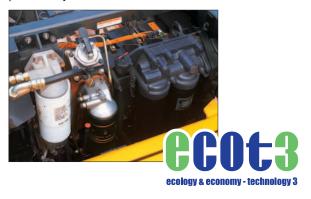
With this "Komatsu Technology," and adding customer feedback, Komatsu is achieving great advancements in technology.

To achieve both high levels of productivity and economical performance, Komatsu has developed the main components with a total control system.

The result is a new generation of high performance and environment friendly excavators.

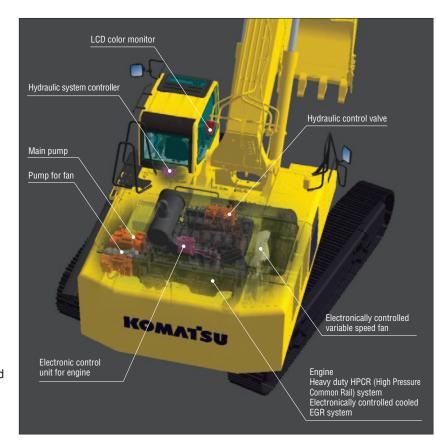
Low Emission Engine

Komatsu SAA6D140E-5 engine is EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.



Electronically Controlled Variable Speed Fan Contributes to Low Fuel Consumption and Low Noise

The electronic control system sets the revolution speed of the cooling fan according to the coolant, hydraulic oil, and ambient temperature. Also so, it effectively uses the engine output to prevent wasteful fuel consumption; and reduces noise during low-speed fan revolution.



Low Ambient Noise

Reduced noise by adoption of an electronically controlled variable speed fan drive, large hybrid fan and low-noise muffler.

Working Modes Selectable

P and E work modes are further improved.

P mode – Power or work priority mode has low fuel consumption, but fast equipment speed and maximum production and power are maintained.

E mode – Economy or fuel saving mode further reduces fuel consumption, but maintains the P-mode-like work equipment speed for light duty work.



You can select Power or Economy modes using a one-touch button on the monitor panel depending on the workload.

L mode (Lifting mode) – gives 17% more lifting force when needed for handling rock of heavy lifting applications.

Economy Mode Four-level Setting

Enables operator to set the Economy mode to four levels according to working conditions so that production requirement is achieved at the lowest fuel consumption.



Eco-gauge that Assists Energy-saving Operations

Eco-gauge is equipped for environment friendly energy-saving operations. Operation in the green range allows reduction of CO₂ emission and fuel consumption.



Eco-gauge –

Idling Caution

To prevent unnecessary fuel consumption, an idling caution is displayed on the monitor if the engine idles for 5 minutes or more.



Auto Deceleration and Auto Idling System

Auto deceleration system is equipped to reduce fuel consumption and operating noise. Also, engine idling speed can be reduced on the monitor with the auto idling system.

Large Drawbar Pull and Steering Force

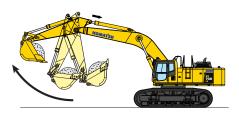
The track length on ground is shorter than the PC600LC-8 for higher travel power. Slope climbing performance and trafficability are excellent with large steering force.

Maximum drawbar pull: 465 kN (47.4 tonf)



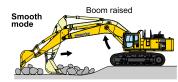
High Work Equipment Speed

Work equipment speed and arm compound operation speed becomes greater with an arm quick return circuit and arm regeneration circuit.



Two-mode Setting for 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.





Large Digging Force

With the addition of one-touch Power Max. function digging force is further increased. (8 seconds of operation)

Maximum arm crowd force (ISO):

272 kN (27.7 tonf) → 293 kN (29.9 tonf) 8% UP (with Power Max.)

Maximum bucket digging force (ISO):

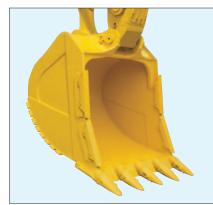
336 kN (34.3 tonf) → 362 kN (36.9 tonf) 8% UP

*Measured with Power Max function, ${\bf 2900~mm}~9\mbox{'6"}$ SE arm and ISO rating

New Design Large SE Bucket (optional for SE spec.)

Performance of scooping rocks and soil is improved by changing the shape of the bucket bottom.

Bucket capacity: 4.0m³ (5.2 yd³)



RELIABILITY & DURABILITY FEATURES

Sturdy Undercarriage

Travel performance and durability are increased with a one-class higher sturdy undercarriage, even in severe mining and quarry jobsites. High reliability greatly reduces the undercarriage repair cost as well as improves the operating ratio.



Simple Frame Structure

The revolving frame mount and center frame mount on the swing circle are not welded structures so that force is transmitted directly to the thick plate of the frame without passing through any welds.

Strengthened Revolving Frame Underguard

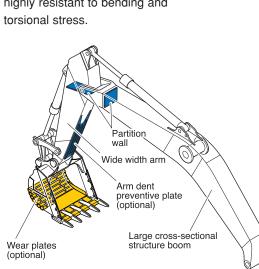
Guards the machine piping against being hit by rocks from below and prevents hydraulic components and the engine from being damaged.



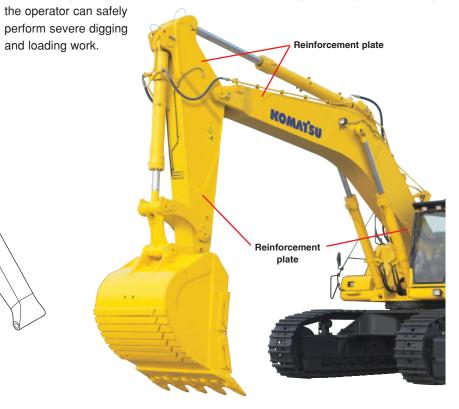
Sturdy guards shield the travel motors and piping against damage from rocks.

Strengthened SE Boom and SE Arm (SE spec.)

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 bending and



The sides of the SE boom and SE arm are strengthened and the pin diameters of the bucket cylinder and front link are increased. With high reliability and durability,



Strengthened Quarry Bucket and 4.0m³ SE Bucket (optional for SE spec.) Provide Outstanding Wear-resistance.

The bucket for specific use in quarry is impact and wear resistant, providing high performance and long life.

Koma-hard materials* provide excellent wear-resistance. Combined with adoption of long-life KMAX tooth, durability of bucket is drastically enhanced.

4.0m³ SE Bucket with KMAX Tooth

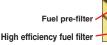
* Koma-hard materials (KVX materials):
Komatsu developed, wear-resistant, reinforced materials.
Brinell hardness: 500 or more (180kgf/mm² class).
Features high wear-resistance and little quality change by the heat generated during rock loading, maintaining the hardness for a long term.

KMAX Tooth

- Unique bucket tooth shape for superior digging performance
- · Long-term high sharpness
- Great penetration performance
- Hammerless, safe, and easy tooth replacement
 (Tooth replacement time: Half of the conventional machine.)

Fuel Pre-filter (with Water Separator)

Removes water and contaminants from fuel to enhance the fuel system reliability.



High Efficiency Fuel Filter

Fuel system reliability is even better with high efficiency fuel filter.

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 operation.



Komatsu excavator PC700LC-8E0

High-pressure In-line Filtration

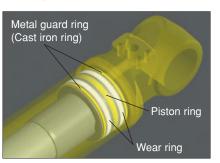
The PC700LC-8E0 has the most extensive filtration system available, providing in-line filters as standard equipment. An in-line filter in the outlet port of each main hydraulic pump reduces failures caused by contamination.



In-line filter

Metal Guard Rings

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



Heat-resistant Wiring

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

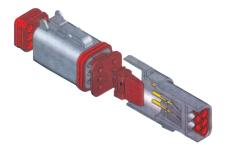
Circuit Breaker

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



DT-type connectors

DT-type connectors seal tight and have higher reliability.



WORKING ENVIRONMENT





Photo may include optional equipment

Low Noise Design Cab

The newly-designed cab is highly rigid and has excellent sound absorption. Improvements in noise source reduction combined with the use of a low noise engine, hydraulic equipment, and air conditioner allows the operator to work in quiet operating condition.

Wide Newly-designed Cab

Newly-designed wide spacious cab includes seat with reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can set the appropriate operational position of the armrest and the console. The reclining seat further enables you to place it into the fully flat state with the headrest attached.



Seat with headrest reclined full flat

Pressurized Cab

Optional air conditioner, air filter and a higher internal air pressure (+6.0 mm Aq +0.2"Aq) prevent external dust from entering the cab.

Multi-position Controls

The multi-position, PPC (proportional pressure control) levers allow the operator to work in comfort while maintaining precise control. A doubleslide mechanism allows the seat and control levers to move together or independently, allowing the operator to position the controls for maximum productivity and comfort.



Seat sliding amount: 340 mm 13.4"

Low Vibration with Cab Damper Mounting

PC700LC-8E0 uses viscous damper mounts for the cab that incorporates longer stroke and the addition of a spring. The cab damper mounting combined with high rigidity deck aids vibration reduction at the operator's

Cab Equipments



Defroster (optional)



Cab Frame Mounted Wiper

Sliding Window and Large Side Mirror

Bottle Holder and Magazine Rack

Automatic Air Conditioner (optional)

Enables you to easily and precisely set cab atmosphere with the instru-



ments on the large LCD.

The automatic air conditioner uses a bi-level control function that 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. Defroster function keeps the front glass clear.



Thermal and Fan Guards

are placed around high-temperature parts of the engine and fan drive.

Anti-slip Plates

Spiked plates on working areas provide anti-slip performance.

Horn Interconnected with Warning Light (optional)

gives visual and audible notice of the excavator's operation when activated.



Rear View Monitoring System (optional)

The operator can view the rear of the machine with a color monitor screen.





OPG Top Guard (optional)

OPG top guard Level 2 (by ISO 10262) capable with optional bolt-on top guard.

Safety Features Step Light with Timer (optional)

provides light for about one minute to allow the operator to get off the machine safely

Pump/engine

Room Partition

prevents oil from

spraying on the

engine if a hydraulic hose should burst.



MAINTENANCE FEATURES

Large LCD Color Monitor

Large Multi-lingual LCD Monitor

A large user-friendly color monitor enables safe, accurate and smooth work. Improved screen visibility is achieved by the use of TFT liquid crystal display that can easily be read at various angles and lighting conditions. The switches are simple and easy to operate. Function keys facilitate multi-function operations. Displays data in 12 languages to support operators around the world.



Indicators 1 Auto-decelerator 5 Hydraulic oil temperature gauge 2 Working mode 6 Fuel gauge 3 Travel speed 7 Eco-gauge Function switches menu 4 Engine water temperature gauge Basic operation switches 1 Auto-decelerator (& auto idling) 4 Buzzer cancel 2 Working mode selector Wiper 6 Windshield washer 3 Traveling selector

Mode Selection

The multi-function color monitor has Power mode (two levels), Economy mode (four levels), and Lifting mode.

Working Mode	Application	Advantage				
P (P0,P1)	Power Mode	Maximum production/power Fast cycle time				
E Economy Mode		Good cycle time Good fuel economy				
L Lifting Mode		Hydraulic pressure is increased 17%.				

(Equipment Management Monitoring System)

Monitor Function

Controller monitors engine oil level, coolant temperature, battery charge and air clogging, etc. If controller finds any abnormality, it is displayed on the LCD.



Maintenance Function

Monitor informs replacement time for oil and filters when the replacement interval is reached.

Trouble Data Memory Function

Monitor stores abnormalities for effective troubleshooting.



Easy Checking and Maintenance of Engine

Engine check points are concentrated on one side of the machine to facilitate daily checks. Thermal guards are placed around high-temperature parts such as the turbocharger.



Long-life Oil, Filter

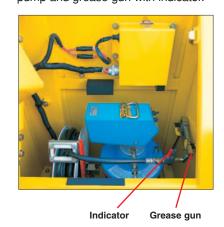
Uses high-performance filtering materials and long-life oil. Extends the oil and filter replacement interval.

> Hydraulic oil filter (Eco-white element)

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

Electric Pump, Grease Gun with Indicator (optional)

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



Steps Connected to the Machine Cab

Steps allows access from left hand catwalk to top of machine for engine check and maintenance.



Anti-slip Plates

Spiked plates provided on top of the machine cab maintains anti-slip performance for a prolonged period.

Wide Catwalk

Easier, safer operator cab access and maintenance checks.



Easy Cleaning of Cooling Unit

Reverse-rotation function of the hydraulic driven fan simplfies cleaning out the cooling unit.



Easy Detachable Radiator and Oil Cooler

Engine hood opens fully to facilitate removal and installation of the radiator and oil cooler. The hood can be opened vertically by changing the position of the torsion bar.





10

PC700LC-8E0

SPECIFICATIONS



Model Komat Type Water-cooled, 4-cyc Aspiration Turbocharged, afterco Number of cylinders Bore Stroke Piston displacement Governor All	cle, direct injection oled, cooled EGR 6
Horsepower:	000 1111 400 110
SAE J1995 Gros	
ISO 9249 / SAE J1349*Ne	et 320 kW 429 HP
Rated rpm	1800 rpm
Fan drive type	•
*Net horsepower at the maximum speed of radiator cooling EPA Tier 3 and EU stage 3A emissions certified.	fan is 288 kW 386HP



HYDRAULIC SYSTEM
Type Open-center load-sensing system Number of selectable working modes
Main pump: Type
Maximum flow: Main
Fan drive pump Variable-capacity piston 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/cm² 4,620 psi Travel circuit 34.3 MPa 350 kgf/cm² 4,980 psi Swing circuit 25.5 MPa 260 kgf/cm² 3,700 psi Pilot circuit 2.9 MPa 30 kgf/cm² 430 psi
Hydraulic cylinders: (Number of cylinders—bore x stroke x rod diameter) Boom 2 – 185 mm x 1725 mm x 120 mm 7.3" x 67.9" x 4.7" Arm
Std 1 – 200 mm x 2045 mm x 140 mm 7.9" x 80.5" x 5.5" SE 1 – 200 mm x 2045 mm x 140 mm 7.9" x 80.5" x 5.5" Bucket
Std 1 – 185 mm x 1425 mm x 130 mm 7.3" x 56.1" x 5.1" SE 1 – 185 mm x 1610 mm x 130 mm 7.3" x 63.4" x 5.1"



DRIVES AND BRAKES

Drive method	
	465kN 47400 kg 104,500 lb
·	
Maximum travel speed	
Low	2.8 km/h 1.7 mph
High	
Service brake	Hydraulic lock
Parking brake	Oil disc brake



SWING SYSTEM

Driven method
Swing reduction Planetary gear
Swing circle lubrication Grease-bathed
Swing lockOil disc brake
Swing speed



UNDERCARRIAGE

Center frame	
Track frame Box-section	
Seal of track	
Track adjuster Hydraulic	
No. of shoes	
No. of carrier rollers	
No. of track rollers	



COOLANT AND LUBRICANT CAPACITY (REFILLING)

232.5 U.S. gal
15.3 U.S. gal
10.6 U.S. gal
2.6 U.S. gal
2 x 3.4 U.S. gal
95.0 U.S. gal



OPERATING WEIGHT (APPROXIMATE)

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.

PC700LC-8E0 HD spec.:

Operating weight, including 7300 mm 23'11" boom, 3500 mm 11'6" arm, SAE heaped 2.8 m³ 3.66 yd³ backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

	PC700LC-8E0		PC700LC-8E0 HD spec.		
Shoes	Operating Shoes Weight		Operating Weight	Ground Pressure	
Double grouser 610 mm 24"	65700 kg 144,840 lb	106.9 kPa 1.09 kgf/cm² 15.5 psi	66200 kg 145,940 lb	107.9 kPa 1.10 kgf/cm² 15.6 psi	
Double grouser 710 mm 28"	66500 kg 146,610 lb	93.2 kPa 0.95 kgf/cm ² 13.5 psi	67000 kg 147,710 lb	94.1 kPa 0.96 kgf/cm ² 13.7 psi	

PC700LC-8E0 SE spec.:

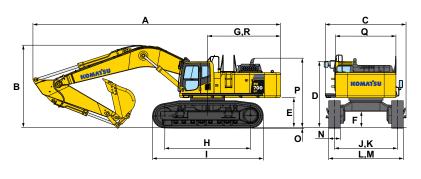
Operating weight, including 6600 mm 21'8" boom, 2900 mm 9'6" arm, SAE heaped 3.5 m³ 4.58 yd³ backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

	PC700LC-8E0 SE spec			
Shoes	Operating Weight	Ground Pressure		
Double grouser 610 mm 24"	67000 kg 147,710 lb	108.9 kPa 1.11 kgf/cm² 15.8 psi		
Double grouser 710 mm 28"	67800 kg 149,470 lb	95.1 kPa 0.97 kgf/cm² 13.8 psi		

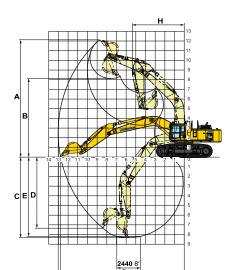


			PC700LC-8E0								
			STD			HD		SE			
	Boom	7660 mm	25'2"	7660 mm	25'2"	7660 mm	25'2"	7300 mm	23'11"	6600 mm	21'8"
	Arm	3500 mm	11'6"	4300 mm	14'1"	5200 mm	17'1"	3500 mm	11'6"	2900 mm	9'6"
Α	Overall length	12960 mm	42'6"	12930 mm	42'5"	12700 mm	41'8"	12580 mm	41'3"	11990 mm	39'4"
В	Overall height (to top of boom)	4350 mm	14'3"	4690 mm	15'5"	5230 mm	17'2"	4280 mm	14'1"	4670 mm	15'4"
С	Overall width	4290 mm	14'1"	4290 mm	14'1"	4290 mm	14'1"	4290 mm	14'1"	4290 mm	14'1"
D	Overall height (to top of cab)	3475 mm	11'5"	3475 mm	11'5"	3475 mm	11'5"	3595 mm*	11'10"*	3595 mm*	11'10"*

E	Ground clearance, counterweight	1550 mm	5'1"
F	Ground clearance (minimum)	830 mm	2'9"
G	Tail swing radius	3950 mm	13'0"
Н	Track length on ground	4500 mm	14'9"
-	Track length	5810 mm	19'1"
J	Track gauge	2590 mm	8'6"
K	Track gauge when expanded	3300 mm	10'10"
L	Width of crawler	3200 mm	10'6"
M	Width of crawler when expanded	3910 mm	12'10"
N	Shoe width	610 mm	24"
0	Grouser height	50 mm	2.0"
Р	Machine cab height	3620 mm	11'11"
Q	Machine cab width	3170 mm	10'5"
R	Distance, swing center to rear end	3825 mm	12'7"
		* with OI	G top guard







		PC700LC-8E0					
			STD		HD		SE
	Boom	7660 25'2"	7660 25'2"	7660 25'2"	7300 23'11"	6600	21'8'
	Arm	3500 11'6"	4300 14'1"	5200 17'1"	3500 11'6"	2900	9'6
Α	Max. digging height	12085 39'8"	12390 40'8"	12750 41'10"	11680 38'4"	11350	37'3
В	Max. dumping height	8120 26'8"	8425 27'8"	8790 28'10"	7810 25'7"	7360	24'2
С	Max. digging depth	8325 27'4"	9115 29'11"	10045 32'11"	8010 26'3"	6910	22'8
D	Max. vertical wall digging depth	7340 24'1"	7730 25'4"	8620 28'3"	6480 21'3"	5470	17'11
E	Max. digging depth of cut for 8' level	8190 26'10"	8995 29'6"	9940 32'7"	7880 25'10"	6765	22'2
F	Max. digging reach	13030 42'9"	13760 45'2"	14630 48'0"	12640 41'6"	11585	38'0
G	Max. digging reach at ground level	12785 41'11"	13520 44'4"	14405 47'3"	12380 40'7"	11295	37'1
Н	Min. swing radius	5370 17'7"	5385 17'8"	5510 18'1"	5090 16'8"	4670	15'4
Buo	cket digging force (SAE)		2690	l kN 10 kgf 00 lb		2950	9 kN 00 kgf 040 lb
	cket digging force bower max. (SAE)		2910	i kN 10 kgf 50 lbf		317	2 kN 70 kgf 040 lb
٩rr	n crowd force (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	2650	0 kN 00 kgf 120 lb
	n crowd force bower max. (SAE)	238 kN 24300 kgf 53,570 lb	209 kN 21300 kgf 46,960 lb	182 kN 18600 kgf 41,010 lb	238 kN 24300 kgf 53,570 lb	2850	0 kN 00 kgf 330 lb
3uo	cket digging force (ISO)		3000	k N 10 kgf 40 lb		3430	6 kN 00 kgf 620 lb
	cket digging force bower max. (ISO)		3230	' kN 10 kgf 10 lb		3690	2 kN 00 kgf 850 lb
Arm crowd force (ISO)		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	2770	2 kN 00 kgf 070 lb
	n crowd force bower max. (ISO)	246 kN 25100 kgf 55,340 lb	218 kN 22200 kgf 48,940 lb	189 kN 19300 kgf 42.550 lb	246 kN 25100 kgf 55,340 lb	2990	3 kN 00 kgf 920 lb

12



BACKHOE BUCKET AND ARM COMBINATION

Bucket Capacity (heaped)			Width										
SAE, m³	PCSA yd³	CE ⁽	CE yd³	With shrouds, si mm		Without side shrouds, side cutters mm in		Weight (with side cutters) kg lb		Tooth	Arm Length m ft in		
use wi	use with 7.66 m 25'2" boom							3.5 11'6"	4.3 14'1"	5.2 17'1"			
2.0 2.3 2.7	2.62 3.01 3.53	1.8 2.1 2.4	2.35 2.75 3.14	1430 1580 1780	56.3" 62.2" 70.1"	1250 1400 1600	49.2" 55.1" 63.0"	2130 2260 2430	4,700 4,980 5,360	KMAX KMAX KMAX	000	0	<u> </u>
use wi	th 7.3m 2	3'11" HD b	oom								3.5 11'6" HD arm		
2.8 3.1	3.66 4.05	2.5 2.8	3.27 3.66	1920 2040	75.6" * 80.3" *	1920 2040	75.6" * 80.3" *	3100 3210	6,830 7,080	KMAX KMAX	0		
use wi	use with 6.6m 21'8" SE boom									2	. 9 9'6" SE ar	m	
3.5 4.0	4.58 5.23	3.1 3.5	4.05 4.58	2110 2110	83.1" * 83.1" *	2110 2110	83.1" * 83.1" *	3280 3440	7,230 7,580	KMAX KMAX		0	

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

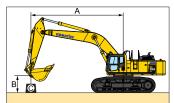
○ : General purpose use, density up to 1.8 t/m³ 3,000 lb/yd³ □: General purpose use, density up to 1.5 t/m³ 2,500 lb/yd³

- : Not useable
- * : Bucket lip width



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LIFTING CAPACITY



PC700LC-8E0

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

Boom: 7.66m 25'2", Arm: 3.5m 11'6", Bucket: 2.7m³ 3.53cu.yd, Shoes: 610mm 24" triple, L mode: " ON "												unit: kg lb
A	MAX		9.1m 29'		7.6m 24'		6.1m 20'		4.6m 15'		3.0m 9'	
В	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m	*8550	*8550										
29'	*18,900	*18,900										
6.1m	*8450	*8450	*12250	11950	*13500	*13500						
20'	*18,600	*18.600	*27,000	22,300	*29,700	*29,700						
3.0m	9300	7700	*14150	11100	*17000	14900	*22100	21250				
9'	20,500	17,000	*31,200	24,500	*37,500	32,900	*48,700	46,800				
0m	10550	7700	14200	10400	18950	13850	*25100	19500	*20150	*20150		
0'	23,300	17,000	31,300	22,900	41,800	30,500	*55,300	43,000	*44,400	*44,400		
-3.0m	12500	9150	14000	10250	*18600	13550	*23650	19300	*30400	*30400	*17400	*17400
-9'	27,600	20,000	30,900	22,500	*41,000	29,900	*52,100	42,500	*67,100	*67,100	*38,300	*38,300
-6.1m	*12350	*12350			*11150	*11150	*16350	*16350	*20650	*20650		
-20'	*27,300	*27,300			*24,600	*24,600	*36,000	*36,000	*45,600	*45,600		

A	MAX		Bucket : 2.8m³ 3.66cu.yd, S			7.6m 24'		6.1m 20'		4.6m 15'		unit: kg l 3.0m 9'	
В 🔪	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
9.1m	*8150	*8150											
29'	*17,900	*17,900											
6.1m	*7950	*7950	*12150	11550	*13200	*13200							
20'	*17,600	*17,600	*26,800	25,400	*29,100	*29,100							
3.0m	*8900	7900	*13950	10800	*16700	14750	*21550	*21050	*26500	*26500			
9'	*19,700	17,400	*30,700	23,800	*36,800	32,500	*47,500	*46,400	*58,400	*58,400			
0m	10950	7900	13950	10150	18800	13650	*24850	19500	*17800	*17800			
0'	24,100	17,500	30,700	22,300	41,500	30,100	*54,800	43,000	*39,300	*39,300			
-3.0m	13250	9650	13800	10000	*18150	13350	*23450	19200	*30700	*30700	*23750	*23750	
-9'	29,300	21,200	30,400	22,100	*40,100	29,500	*51,700	42,300	*67,700	*67,700	*52,400	*52,400	
-6.1m	*12450	*12450					*14750	*14750	*19500	*19500			
-20'	*27.400	*27.400					*32.600	*32.600	*43.000	*43.000			

Boom : 6.6m	21'8", Arm:	2.9m 9'6", B	ucket : 3.5m ³	4.58cu.yd,	Shoes : 610 n	nm 24" triple	, L mode: "C	N"				unit: kg lb
A	MAX		9.1m 29'		7.6m 24'		6.1m 20'		4.6m 15'		3.0m 9'	
В	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m	*11800	*11800										
29'	*26,000	*26,000										
6.1m	*10950	*10950	*10750	*10750	*14500	*14500						
20'	*24,100	*24,100	*23,700	*23,700	*32,000	*32,000						
3.0m	*11950	9450	14500	10600	*17450	14600	*22300	21350	*30100	*30100		
9'	*26,300	20,800	31,900	23,400	*38,400	32,100	*49,200	47,000	*66,300	*66,300		
0m	13150	9550	13900	10100	18850	13650	*24900	19650	*26550	*26550		
0'	29,000	21,000	30,600	22,200	41,600	30,100	*54,900	43,300	*58,500	*58,500		
-3.0m	*14550	12300			*16600	13550	*22300	19450	*29300	*29300	*27200	*27200
-9'	*32,100	27,100			*36,600	29,900	*49,100	42,900	*64,600	*64,600	*60,000	*60,000

^{*}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.



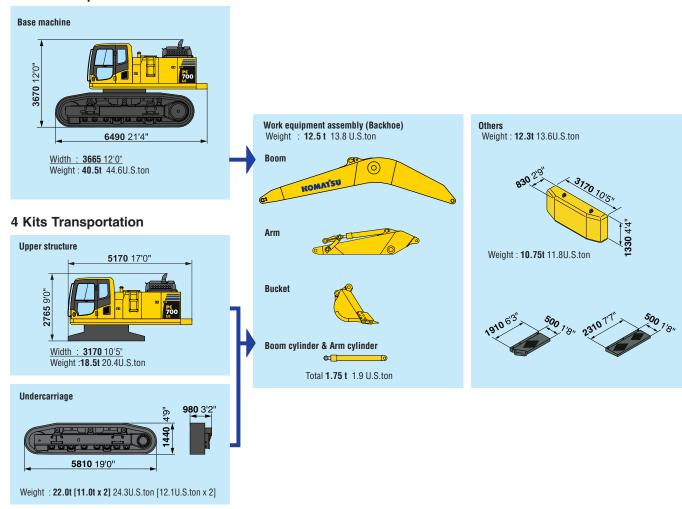
Transportation specifications (length x height x width)

Backhoe

Specs shown include the following equipment:

	Boom	Arm	Bucket	Shoes		
PC700LC-8E0	7660 mm 25'2"	3500 mm 11'6"	2.7 m³ 3.53 yd³	610 mm 24" Double		
PC700LC-8E0 (HD spec.)	7300 mm 23'11"	3500 mm 11'6"	2.8 m³ 3.66 yd³	610 mm 24" Double		
PC700LC-8E0 (SE spec.)	6600 mm 21'8"	2900 mm 9'6"	3.5 m³ 4.58 yd³	610 mm 24" Double		

3 Kits Transportation



Work Equip	ment	Length mm ft in	Height mm ft in	Width mm ft in	Weight ton US ton
	Boom	7920 26'0"	2040 6'8"	1190 3'11"	4.9 5.4
PC700LC-8E0	Arm	4870 16'0"	1210 16'0"	650 2'2"	3.3 3.6
	Bucket	2150 7'1"	1780 5'8"	1780 5'10"	2.5 2.8
	Boom	7530 24'8"	1960 6'5"	1190 3'11"	4.7 5.2
PC700LC-8E0 (HD spec.)	Arm	4870 16'0"	1240 4'0"	650 2'2"	3.3 3.6
	Bucket	2150 7'1"	1780 5'10"	1920 6'4"	3.1 3.4
	Boom	6870 22'6"	2090 6'10"	1190 3'11"	4.8 5.3
PC700LC-8E0 (SE spec.)	Arm	4230 13'10"	1490 4'11"	650 2'2"	3.5 3.9
	Bucket	2150 7'1"	1780 5'8"	2040 6'8"	3.4 3.7

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www.wme.cn/komatsu-pc700lc-8e0/



ENGINE AND RELATED ITEMS:

- Air cleaner, double element, dry
- Engine, Komatsu SAA6D140E-5
- Variable speed cooling fan, with fan guard

ELECTRICAL SYSTEM:

- Alternator, 60 amp, 24 V
- Auto decelerator and auto idling system
- Batteries, 170 Ah, 2 x 12 V
- Starting motors, 11kW

• Working lights 2 (boom and right front)

UNDERCARRIAGE:

- Hydraulic track adjusters (each side)
- Sealed track
- 8 track/3 carrier rollers (each side)
- 610 mm 24" double grouser
- Rock protectors (undercarridge)
- Variable track gauge

GUARDS AND COVERS:

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

OPERATOR ENVIRONMENT:

- Cab with pull-up type front window
- Damper mount, all-weather, sound-suppressed cab with tinted safety glass windows, lockable door, intermittent window wiper and washer, floormat, cigarette lighter and ashtray
- Multi-function color monitor, fuel control dials, 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 preheating and swing lock), level check lights (coolant and engine oil level) and self-diagnostic system with trouble data memory
- Rear view mirror (RH and LH)
- Seat, fully adjustable with suspension

HYDRAULIC CONTROLS:

- Control levers and pedals for steering and travel with PPC system
- Control levers, wrist control levers for arm, boom, bucket, and swing with PPC system
- Control valves, 5+4 spools (boom, arm, bucket, swing, and travel)
- Fully hydraulic, with Open-Center Load-Sensing (OLSS) and engine speed sensing (pump and engine mutual control system)
- In-line filter
- Lifting mode system
- Oil cooler
- One axial piston motor per track for travel with counter balance
- One gear pump for control circuit
- Power max function
- Two axial piston motors for swing with single-stage relief valve
- Two-mode setting for boom
- Two variable capacity piston pumps

DRIVE AND BRAKE SYSTEM:

- Brakes, hydraulic lock travel brakes, oil disc parking
- Hydrostatic two travel speed system with planetary triple reduction

OTHER STANDARD EQUIPMENT:

- Anti-slip plates
- Automatic swing holding brake
- Catwalk
- Counterweight, 10750 kg 23,700 lb
- Horn, electric
- Large handrails
- Marks and plates, English
- One-touch engine oil drainage
- Paint, Komatsu standard
- PM tune-up service connector
- Rear reflector
- Travel alarm



- Alternator, 90 amp, 24 V
- Arms (Backhoe):
- -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
- Booms (Backhoe):
- —**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)
- - Rain visor

- Cab with fixed front window
- Electric pump, grease gun with indicator
- 12V electric supply
- Fire extinguisher
- Full length track guard
- General tool kit
- Interconnected horn and warning light
- Large-capacity batteries
- Lower wiper
- OPG top guard Radio AM/FM
- Rear view monitoring system

- Seat belt 78 mm 3", 50 mm 2"
- Service valve
- Shoes:
 - -710 mm 28" double grouser
- -810 mm 32" double grouser
- Spare parts for first service
- Step light with timer
- Sun visor
- Track frame undercover (center)
- Vandalism protection locks
- Working lights 2 (on cab)

Materials and specifications are subject to change without notice.