HORSEPOWER

Gross: 370 kW 496 HP / 1800 rpm

Net: 363 kW 487 HP / 1800 rpm

OPERATING WEIGHT 78600 - 79800 kg

173,280 - 175,930 lb

KOMATSU

PC850-8E0 BACKHOE

ecot3



WALK-AROUND

Productivity Features

- High Work Equipment Speed
 Arm quick return circuit enables loading work to be quicker than ever, by reducing hydraulic pressure loss of arm dumping.
- Heavy Lift Mode
 The heavy lift mode increases lifting force by 10%.
- Large Digging Force
 Pressing the Power Max. function button temporarily increases the digging force.
- Two-mode Setting for Boom
 Switch selection allows either powerful digging or smooth boom operation.
- Large Drawbar Pull and Steering Force provide excellent mobility.
- Swing Priority Mode
 The swing priority mode improves efficiency for loading dump trucks.
- Shockless Boom Control
 Switch selection reduces chassis vibration after sudden stops.

See page 5.



Excellent Reliability and Durability

- Strengthened Boom and Arm
- KMAX Bucket Teeth offer superior penetration and longterm sharpness.
- Fuel Pre-filter with water separator and High Efficiency Fuel Filter equipped as standard.
- O-ring Face Seals, which have excellent sealing performance, are used for the hydraulic hoses.
- High-pressure In-line Filtration
 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.
- Highly Reliable Electronic Devices

 Evaluatively designed electronic devices

Exclusively designed electronic devices have passed severe testing.

- Controllers Sensors Connectors
- Heat resistant wiring Circuit breaker
- Boom Foot Hoses are arranged under the boom foot, improving hose life and safety.

See pages 6, 7.

Ecology and Economy Features

• Low Emission Engine

A powerful, turbocharged and air-to-air aftercooled Komatsu SAA6D140E-5 provides **363 kW** 487 HP. This engine is U.S. EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.

• Economy Mode Four-level Setting

Enables operator to select the appropriate Economy mode level to match production requirement with lowest fuel consumption.

HORSEPOWER

Gross: 370 kW 496 HP / 1800 rpm **Net: 363 kW** 487 HP / 1800 rpm

OPERATING WEIGHT
Backhoe
78600 - 79800 kg
173,280 - 175,930 lb



- Large Comfortable Cab
 Low-noise cab
 - · Low vibration with cab damper mounting
 - Highly pressurized cab with optional air conditioner (A/C)
 - Operator seat and console with armrest that enables operations in the appropriate operational posture.
 - OPG top guard level 2 (ISO 10262) capable with bolt-on top guard

Large Liquid Crystal Display (LCD) Monitor

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

See page 10.

PRODUCTIVITY & ECOLOGY FEATURES

Komatsu Technology



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.

Komatsu develops and produces all major components, such as engines, electronics

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

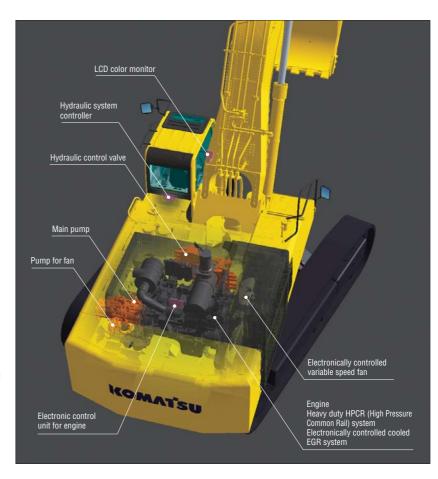
Low Emission Engine

Komatsu SAA6D140E-5 engine is U.S. 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; effectively uses the engine output to prevent wasteful fuel consumption; and reduces noise during low-speed fan revolution.



Lower and Economical Fuel Consumption Using Economy Mode

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



Reduction of Ambient Noise

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

ECO gauge that Assists Energy-saving Operations

ECO gauge is equipped for environment friendly energy-saving operations. Focus on 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

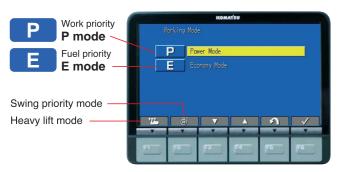
Auto deceleration system is equipped to reduce fuel consumption and operating noise. Also, engine idling speed can be set at a lower speed on monitor with auto idling system.

Working Modes Selectable

P and E modes established 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 working equipment speed for light duty work.



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

Heavy Lift Mode

Gives 10% more lifting force when needed for handling rock or heavy lifting applications.

Swing Priority Mode

The swing priority mode allows the operator to use the same easy motion for 180° loading as 90° loading operations. By altering the oil flow, this setting allows you to select either boom or swing as the priority for increased production.

Selection Result		
ON	Oil flow to the swing motor is increased. 180°loading operations are most efficient.	
OFF	Oil flow to the boom is increased. 90°loading operations are most efficient.	

Large Digging Force

With the one-touch Power Max. function digging force is further increased. (8.0 seconds of operation)

Maximum arm crowd force (ISO 6015):

298 kN (30.4 tonf) - 327 kN (33.3 tonf) 9.4% UP
(With Power Max.)

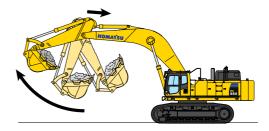
Maximum bucket digging force (ISO 6015):

363 kN (37.0 tonf) → 397 kN (40.5 tonf) 9.4% UP

*Measured with Power Max. function, 3600 mm 11'10" arm and ISO 6015 rating

Work Equipment Speed

An arm quick return circuit is provided for arm dumping. This returns a portion of oil flow directly to the hydraulic tank at arm dumping to reduce the hydraulic pressure loss. Speedier loading work can be accomplished by work equipment with quicker movement.

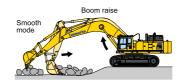


Large Drawbar Pull and Steering Force

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

Two-mode Setting for Boom

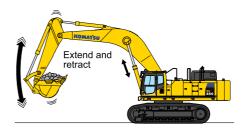
Smooth mode provides easy operation for gathering blasted rock and scraping operations. When maximum digging force is needed, switch to **power mode** for more effective excavating.





Shockless Boom Control

The PC850-8E0 boom circuit features a shockless valve (Double-check slow return valve) to automatically reduces the amount of vibration present when operating the boom. Operator fatigue is reduced (Which can improve safety and productivity), and spillage caused by vibration is minimized.



RELIABILITY & DURABILITY FEATURES

Excellent Reliability and Durability

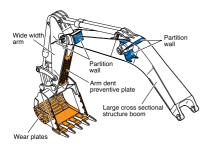
Boom Foot Hoses

The boom foot hoses are arranged under the boom foot to reduce hose bend during operation, extending hose life and improving operator safety.



Strengthened Boom and Arm

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 torsional stress.



Strengthened Revolving Frame Underguard

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

Frame Structure

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

Fuel Pre-filter (With Water Separator)

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

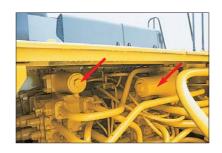


High Efficiency Fuel Filter

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

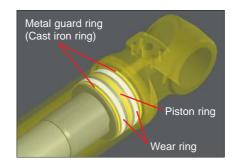
High-pressure In-line Filtration

The PC850-8E0 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.



Metal Guard Rings

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



Circuit Breaker

With 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 pipings against damage from rocks.



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.

Heat-resistant Wiring

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

Strengthened Quarry Bucket Provides Outstanding Wear-resistance

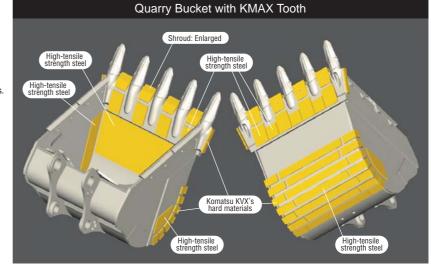
The PC850-8E0 has the bucket for specific use in quarry, that is strong in impact and wear, and providing high performance and long life. Komatsu KVX's hard materials* provide excellent wear resistance. Combined with adoption of long-life KMAX teeth, durability of bucket is drastically enhanced.

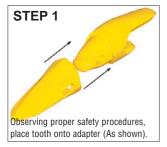
* Komatsu KVX's hard materials: Komatsu KVX developed, wear-resistant, reinforced

Brinell hardness: 500 or more (180kgf/mm² class). Features high wear-resistance and little quality change from the heat generated during rock loading, maintaining long term hardness.

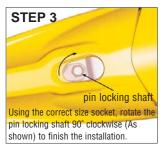
KMAX Tooth

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













WORKING ENVIRONMENT





Photo may include optional equipment.

Low Noise Design Cab

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

Operator ear's noise

2 dB(A) reduced

Rigid and Safe Operator's Cab

OPG top guard level 2 (ISO 10262)

The OPG top guard securely protects the operator's cab and conforms to the ISO 10262.

Additional head lamp

Night operation is safe.

Single sheet fixed glass

The glass installed in the machine has excellent visibility since it is laminated to prevent shortening and has less vibration.

See-through skylight equipped with a sun shade

The upward visibility is excellent.





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 posture of armrest together with the console. Reclining the seat further enables you to place it into the fully flat state with the headrest attached.



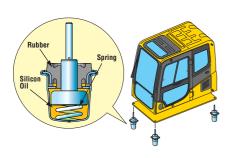
Seat with headrest reclined full flat

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.

Low Vibration with Cab Damper Mounting

PC850-8E0 uses viscous damper mounting for cab that incorporates longer stroke and the addition of a spring. The cab damper mounting combined with high rigidity deck aids vibration reduction at operator seat.



Multi-position Controls

The multi-position, Pressure Proportional Control (PPC) levers allow the operator to work in comfort while maintaining precise control. A double-slide 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

Automatic A/C (Optional)

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



ments on the large LCD.

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. Defroster function keeps front glass clear.





Defroster (Optional)



Cab frame mounted wiper



magazine rack

Safety Features

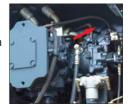
Step Light with Timer

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.



Thermal and Fan Guards

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

Slip-resistant Plates

Spiked plates on working areas provide slip-resistant plates performance.

Horn Interconnected with Warning Light (Optional)

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

Lower Wiper (Optional)

Lower windshield wiper improves visibility in rain.



Rear View Monitoring System (Optional)

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





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 LCD that can easily be read at various angles and lighting conditions. Simple and easy to operate switches. Function keys facilitate multi-function operations. Displays data in 12 languages to support operators around the world.



Indicators 5 Hydraulic oil temperature gauge 1 Auto-decelerator 6 Fuel gauge 2 Working mode 3 Travel speed 7 ECO gauge Engine water temperature gauge 8 Function switches menu Basic operation switches 1 Auto-decelerator (& auto idling) 4 Buzzer cancel Working mode selector Wiper 6 Windshield washer 3 Traveling selector

Mode Selection

The multi-function color monitor has Power mode and Economy mode (Four levels).

Working Mode	Application	Advantage
P (P0,P1)	Power Mode	Maximum production/power Fast cycle time
E (E0,E1,E2,E3)	Economy Mode	Good cycle time Good fuel economy

Additionally, it is possible to select "Heavy lift mode" or "Swing priority mode" for each Power mode and Economy mode.

Selection	Display on the monitor
Heavy lift mode	PT ET
Swing priority mode	P 🍪

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 of oil and filters on LCD when the replacement interval is reached.

Trouble Data Memory Function

Monitor stores abnormalities for effective troubleshooting.



MAINTENANCE FEATURES

Easy Checking and Maintenance of Engine

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



One-touch Drain Cock

Easier, cleaner engine oil changes.

Easy Cleaning of Cooling Unit

Reverse-rotation function of the hydraulic driven fan facilitates cleaning of the cooling unit. In addition, this function contributes to reducing warming-up run time in low temperature

and discharging hot air from the engine room to keep appropriate heat balance.



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 &
Engine oil filter
Hydraulic oil

every 500 hours every 5000 hours

Hydraulic oil filter every 1000 hours

Dust Indicator with 5-step Indication

Informs of air cleaner clogging in 5 steps to warn of filter condition.

Wide Catwalk

Easier, safer operator cab access and maintenance checks.



Steps Connected to the Machine Cab

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



Convenient Utility Space

Utility space provides great convenience to store tools, spare parts, etc.



Divided Type Engine Cover

The divided engine cover allows easily access to inspection points around the engine.

Washable Cab Floormat

Cab floormat is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.



Electric Pump, Grease Gun with Indicator (Optional)

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



Grease can drum storage location



Grease gun
The grease gun can be
reached from ground level.

Indicator



SPECIFICATIONS



Model Komatsu SAA6D140E-5 Type 4-cycle, water-cooled, direct injection Aspiration Turbocharged, aftercooled, cooled EGR Number of cylinders
Bore
Stroke
Piston displacement
Governor All-speed, electronic
Horsepower:
SAE J1995 Gross 370 kW 496 HP
ISO 9249 / SAE J1349* Net 363 kW 487 HP
Rated rpm
Fan drive type

*Net horsepower at the maximum speed of radiator cooling fan is 338 kW 454HP. U.S. EPA Tier 3 and EU Stage 3A emissions certified.



HYDRAULIC SYSTEM

Type Open-center load-sensing system Number of selectable working modes 2				
Main pump: Type				
Fan drive pump				
Hydraulic motors: Travel2 x axial piston motor with parking brake Swing2 x axial piston motor with swing holding brake				
Relief valve setting: Implement circuits				

Heavy lift circuit	34.3 MPa	350 kg/cm ²	4,980 psi
Pilot circuit	. 2.9 MPa	30 kg/cm ²	430 psi

Hydraulic cylinders: (Number of cylinders—bore x stroke x rod diameter)

Boom. . . 2 – 200 mm x 1950 mm x 140 mm 7.9" x 76.8" x 5.5" Arm 2 – 185 mm x 1610 mm x 120 mm 7.3" x 63.4" x 4.7" Bucket

Std. . . . 1 – 185 mm x 1820 mm x 130 mm 7.3" x 71.7" x 5.1" SE 1 – 225 mm x 1420 mm x 160 mm 8.9" x 55.9" x 6.3"



SWING SYSTEM

Driven method	Hydraulic motors
Swing reduction	Planetary gear
Swing circle lubrication	Grease-bathed
Swing lock	Oil disc brake
Swing speed	6.8 rpm



Steering control	Two levers with pedals
Drive method	Fully hydrostatic
Travel motor	Axial piston motor, in-shoe design
Reduction system	Planetary triple reduction
Maximum drawbar pull	559 kN 57000 kgf 125,660 lb
Gradeability	
Maximum travel speed	
Low	
High	
Service brake	Hydraulic lock
Parking broke	Oil disc brake



UNDERCARRIAGE

Center frame	H-leg frame
Track frame	Box-section
Seal of track	Sealed
Track adjuster	Hydraulic
No. of shoes	47 each side
No. of carrier rollers	3 each side
No. of track rollers	8 each side



COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank	258.9 U.S. gal
Radiator	26.4 U.S. gal
Engine	14.0 U.S. gal
Final drive, each side 20 ltr	5.3 U.S. gal
Swing drive	6.5 x 2 U.S. gal
Hydraulic tank	124.2 U.S. gal



OPERATING WEIGHT (APPROXIMATE)

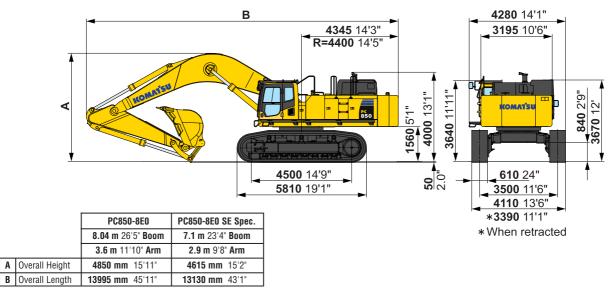
PC850-8E0: Operating weight, including 8040 mm 26'5" boom, 3600 mm 11'10" arm, SAE heaped 3.4 m³ 4.45 yd³ backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

PC850-8E0 Super Earth mover (SE) spec.: Operating weight, including 7100 mm 23'4" boom, 2945 mm 9'8" arm, SAE heaped 4.3 m³ 5.62 yd³ backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

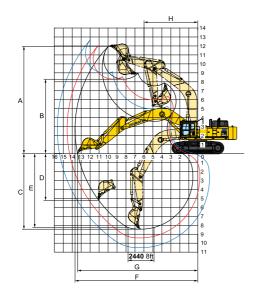
	PC850-8E0		PC850-8E0 SE Spec.		
Operating Shoes Weight		Ground Pressure	Operating Weight	Ground Pressure	
610 mm 24"	79000 kg 174,160 lb	128 kPa 1.31 kgf/cm ² 18.6 psi	78600 kg 173,280 lb	128 kPa 1.31 kgf/cm ² 18.6 psi	
710 mm 28"	79800 kg 175,930 lb	112 kPa 1.14 kgf/cm² 16.2 psi	79400 kg 175,050 lb	111 kPa 1.13 kgf/cm² 16.1 psi	



Unit: mm ft in







		PC850-8E0		PC850-8E0 SE Spec.				
Воо	m length	8040	mm	26'5"		7100 mm	23'4"	
Arm	length	3600	mm	11'10"	2945 mm	9'8"	3600 mm	11'10"
Α	Max. digging height	11955	mm	39'3"	11330 mm	37'2"	11055 mm	36'3"
В	Max. dumping height	8235	mm	27'0"	7525 mm	24'8"	7430 mm	24'5"
C	Max. digging depth	8445	mm	27'8"	7130 mm	23'5"	7790 mm	25'7"
D	Max. vertical wall digging depth	5230	mm	17'2"	4080 mm	13'5"	4260 mm	14'0"
E	Max. digging depth of cut for 8' level	8310	mm	27'3"	6980 mm	22'11"	7680 mm	25'2"
F	Max. digging reach	13660	mm	44'10"	12265 mm	40'3"	12710 mm	41'8"
G	Max. digging reach at ground level	13400	mm	44'0"	11945 mm	39'2"	12400 mm	40'8"
Н	Min. swing radius	5985	mm	19'8"	5645 mm	18'6"	5440 mm	17'10"
	Bucket digging force		345		428		345 kl	- 1
(SAI	J 1179) at power max.		<u> </u>	77,600 lb	43600 kgf /		35200 kgf / 7	
(SAE	Arm crowd force E J 1179) at power max.		312 kgf /	kN 70,110 lb	363 37000 kgf /		312 kl 31800 kgf / 7	- 1
	ucket digging force 0 6015) at power max.		397 kgf /		471 48000 kgf /		397 kl 40500 kgf / 8	- 1
(ISC	Arm crowd force 6015) at power max.		327 kgf /		374 38100 kgf /		327 kl 33300 kgf / 7	

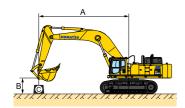
BACKHOE BUCKET, ARM, AND BOOM COMBINATION

Bucket Capacity (Heaped)					Wi	dth					
SAE J 296, PCSA CECE m³ yd³ m³ yd³			Withou Shro mm		With Shro mm			e ight de Cutters) lb	Arm Length m ft in		
PC850-8E0	PC850-8E0 (Use with 8.04 m 26'5" Boom)									3.6 11'10"	
3.4	4.45	3.0	3.92	1820	71.7"	1870	73.6"	3990	8,800		\supset
PC850-8E0	PC850-8E0 SE Spec. (Use with 7.1 m 23'4" Boom)									2.9 9'8"	3.6 11'10"
4.0*	5.23	3.5	4.58	2000	78.7"	2050	80.7"	4230	9,330	0	_
4.0*	5.23	3.5	4.58	2000	78.7"	2050	80.7"	4260	9,390	_	0
4.0	5.23	3.5	4.58	2000	78.7"	2100	82.7"	3730	8,230	0	_
4.3	5.62	3.8	4.97	2150	84.6"	2250	88.6"	3940	8,690	0	_
4.5	5.89	4.0	5.23	2230	87.8"	2330	91.7"	4030	8,890		_

*For heavy duty

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



HEAVY LIFT "OFF"

PC850-8E0

Equipment:

Boom: 8.04 m 26'5"
Arm: 3.6 m 11'10"
Bucket: 3.4 m³ 4.45 yd³
Shoe: 610 mm 24"

• Counterweight: 11.85 ton 26,120 lb

A: Reach from swing center

B: Bucket hook height

C: Lifting capacity

Cf: Rating over front

Cs: Rating over side

⊕: Rating at maximum reach

Unit: kg lb

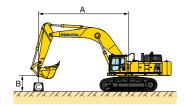
A	↔ Maximum		9.0 m 29'		7.5 m 24'		6.0 m 19'		4.5 m 14'		3.0 m 9'	
В	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0 m 19'	* 9300 *20,500	8650 19,000	*11050 *24,400	*11050 *24,400	*12800 *28,200	*12800 *28,200						
3.0 m 9'	9850 21,700	7250 16,000	*13250 *29,200	12300 27,100	*16450 *36,300	*16450 *36,300	*22050 *48,600	*22050 *48,600				
0 m 0'	9850 21,900	7150 15,800	*14800 *32,600	10950 24,100	*18700 *41,200	14750 32,500	*20950 *46,200	*20950 *46,200	*19850 *43,800	*19850 *43,800		
−3.0 m −9'	* 11800 *26,100	8600 19,000	*14350 *31,600	10550 23,200	*18150 *40,000	14250 31,400	* 21250 *46,800	20750 45,700	*21150 *46,600	*21150 *46,600	*24450 *53,900	*24450 *53,900
−6.0 m −19'	* 12550 *27,700	*12550 *27,700			* 12900 *28,400	*12900 *28,400	*17050 *37,600	*17050 *37,600	*21300 *47,000	*21300 *47,000		

HEAVY LIFT "ON"

Unit: kg lb

A	⊕ Maximum		9.0 m 29'		7.5 m 24'		6.0 m 19'		4.5 m 14'		3.0 m 9'	
В	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0 m 19'	* 10550 *23,200	8650 19,000	* 12850 *28,300	* 12850 *28,300	*14750 *32,500	* 14750 *32,500						
3.0 m 9'	9850 21,700	7250 16,000	* 15400 *33,900	12300 27,100	*18950 *41,800	*16800 *37,000	*23400 *51,600	*23400 *51,600				
0 m	9850 21,700	7150 15,700	14800 32,600	10950 24,100	19950 43,900	14750 32,500	*20950 *46,200	*20950 *46,200	*22100 *48,700	*22100 *48,700		
−3.0 m −9'	11800 26,000	8600 19,000	14350 31,700	10550 23,200	19400 42,800	14250 31,400	*21250 *46,800	20750 45,700	*21150 *46,700	*21150 *46,700	*24450 *53,900	*24450 *53,900
−6.0 m −19'	* 14850 *32,700	* 14850 *32,700			*15250 *33,600	* 15250 *33,600	*20000 *44,100	*20000 *44,100	*21300 *46,900	* 21300 *46,900		

^{*} Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



PC850-8E0 Super Earth mover (SE) spec.

Equipment:

Boom: 7.1 m 23'4"
Arm: 2.9 m 9'8"

Bucket: 4.3 m³ 5.62 yd³
 Shoe: 610 mm 24"

• Counterweight: **11.85 ton** 26,120 lb

A: Reach from swing center

B: Bucket hook height

C: Lifting capacity

Cf: Rating over front

Cs: Rating over side

Rating at maximum reach

Unit: **kg** lb

A	⊕ Maximum		9.0 m 29'		7.5 m 24'		6.0 m 19'		4.5 m 14'		3.0 m 9'	
В	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0 m 19'	*12150 *26,800	11100 24,500	* 12650 *27,900	*12650 *27,900	*14250 *31,400	*14250 *31,400						
3.0 m 9'	12400 27,300	9250 20,400	* 14500 *32,000	12350 27,200	*17700 *39,000	17100 37,700	*23250 *51,300	*23250 *51,300				
0 m 0'	12700 28,000	9400 20,700	15250 33,600	11350 25,000	*19700 *43,400	15450 34,100	*26050 *57,400	22250 49,100	* 28450 *62,700	*28450 *62,700		
−3.0 m −9'	*14400 *31,700	12350 27,200			*17850 *39,400	15300 33,700	*23350 *51,500	22200 48,900	*30850 *68,000	*30850 *68,000	*31850 *70,200	*31850 *70,200

HEAVY LIFT "ON"

HEAVY LIFT "OFF"

Unit: kg lb

A	↔ Maximum		9.0 m 29'		7.5 m 24'		6.0 m 19'		4.5 m 14'		3.0 m 9'	
В	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0 m 19'	*14100 *31,000	11100 24,500	*14650 *32,300	13600 30,000	*16350 *36,000	*16350 *36,000						
3.0 m 9'	12400 27,300	9250 20,400	16300 35,900	12350 27,300	*20350 *44,800	17100 37,800	*26550 *58,600	24850 54,700				
0 m 0'	12700 28,000	9400 20,800	15250 33,600	11350 25,100	20650 45,600	15450 34,000	*29800 *65,700	22250 49,000	*31350 *69,100	*31350 *69,100		
−3.0 m −9′	16500 36,400	12350 27,200			20550 45,300	15300 33,700	*26850 *59,200	22200 49,000	*32100 *70,800	*32100 *70,800	*31850 *70,200	* 31850 *70,200

^{*} Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

Transportation specifications (Length x height x width)

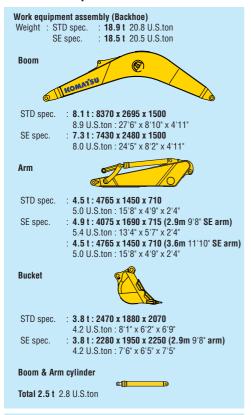
Backhoe

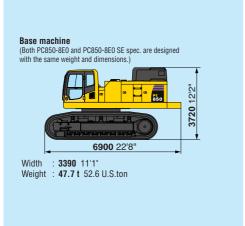
Specs shown include the following equipment:

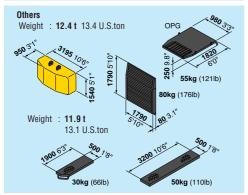
STD spec.: Boom 8040 mm 26'5", Arm 3600 mm 11'10", Bucket 3.4 m3 4.45 yd3, Shoes 610 mm 24" double grouser

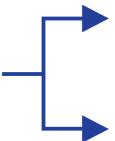
SE spec.: Boom 7100 mm 23'4", Arm 2945 mm 9'8", Arm 3600 mm 11'10", Bucket 4.3 m3 5.62 yd3, Shoes 610 mm 24" double grouser

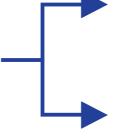
3 Kits Transportation



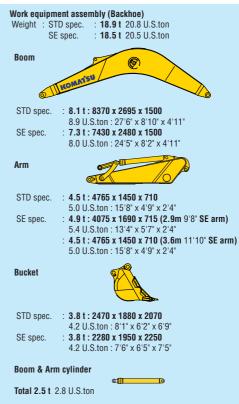


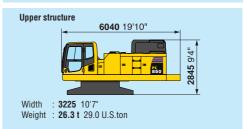


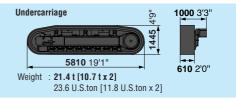


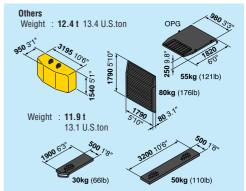


4 Kits Transportation









ENGINE AND RELATED ITEMS:

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

ELECTRICAL SYSTEM:

- Alternator, 24 V/60 A
- · Auto decelerator and auto idling system
- Batteries, 2 x 12 V/170 A
- Starting motors, 11 kW
- Step light with timer
- · Working lights: 2 boom, 2 cab top front, 1 right front

UNDERCARRIAGE:

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

GUARDS AND COVERS:

- Dust-proof net for radiator and oil cooler
- Full length track guard
- OPG top guard level 2 (ISO 10262)
- Pump/engine room partition cover
- Strengthened revolving frame underguard
- Travel motor guards

OPERATOR ENVIRONMENT:

- · Cab with fixed 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, 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 preheating and swing lock light) level check lights (Coolant, engine oil, and hydraulic oil level), 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
- Fully hydraulic, with Electronic Open-center Load Sensing System (EOLSS) and engine speed sensing (Pump and engine mutual control system)
- Heavy lift mode system
- In-line filter
- Oil cooler
- One axial piston motor per track for travel with counter balance valve
- Power max. function
- Shockless boom control
- Swing priority mode system
- Two axial piston motors for swing with single-stage relief valve
- Two control valves, 5+4 spools (Boom, arm, bucket, swing, and travel)
- 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 final drive

OTHER STANDARD EQUIPMENT:

- Automatic swing holding brake
- Catwalk
- Counterweight, 11850 kg 26,120 lb
- Horn, electric
- Large handrails
- Marks and plates, English
- One-touch engine oil drainage
- Paint, Komatsu standard
- Preventive Maintenance (PM) tune-up service connector
- Rear reflector
- Slip-resistant plates
- Travel alarm



OPTIONAL EQUIPMENT

- 12 V electric supply
- Air suspension seat
- Alternator, 24 V/90 AArms (Backhoe):
- PC850-8E0:
 - —**3600 mm** 11'10" HD arm assembly PC850-8E0 SE spec.:
 - -2945 mm 9'8" SE arm assembly
 - -3600 mm 11'10" SE arm assembly
- Auto A/C
- Booms (Backhoe): PC850-8E0:
 - -8040 mm 26'5" boom assembly

- PC850-8E0 SE spec.:
- —7100 mm 23'4" boom assembly
- Cab front guard level 2 (ISO 10262)
- Coolant heater
- Double flange track roller
- Electric pump, grease gun with indicator
- Fire extinguisher
- General tool kit
- Interconnected horn and warning light
- Large-capacity batteries
- Lower wiper
- Provision for fast fuel fill
- Radio AM/FM

- Rain visor
- Rear view monitoring system
- Seat belt **78 mm** 3"
- Shoes:
- -710 mm 28" double grouser
- Spare parts for first service
- Track frame undercover (Center)
- Vandalism protection locks

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