

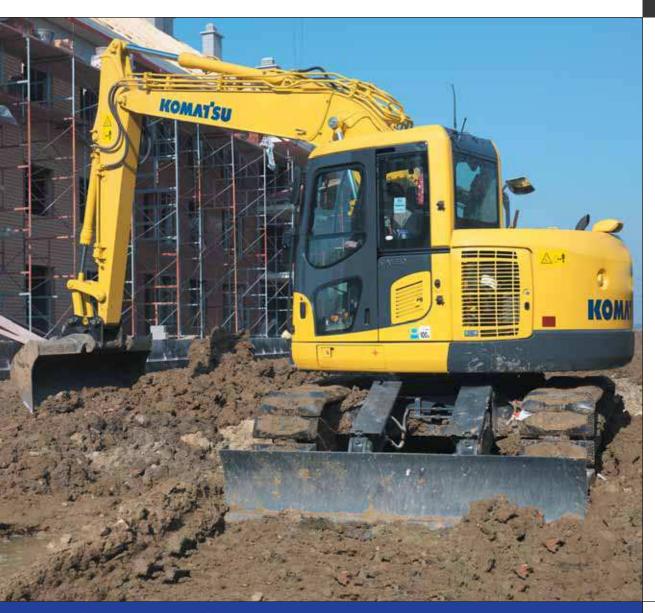
PC138US-8

NET HORSEPOWER 68 kW 92 HP @ 2.200 rpm OPERATING WEIGHT 13.500 - 15.000 kg

BUCKET CAPACITY max. 0,72 m<sup>3</sup>

PC 138





PC138US-8

# WALK-AROUND

Working in congested or confined areas can be a challenge. Komatsu's PC138US-8 hydraulic excavator has a short tail swing profile, designed specifically for work in confined areas. By reducing tail swing, the PC138US-8 can work in areas where conventional profile excavators would pose a safety risk. Perfect for work on roadways, bridge work, urban areas, or anywhere space is limited, the PC138US-8 provides you with performance and productivity you expect from Komatsu equipment.

# Effective fuel management

# Improved fuel consumption

Through total Komatsu development and control of the engine, hydraulic and electrical systems.

# KOMAT'SU

# Revolutionary machine management

Track and monitor your machine anytime, anywhere for total peace of mind.



NET HORSEPOWER 68 kW 92 HP

OPERATING WEIGHT 13.500 - 15.000 kg

BUCKET CAPACITY max. 0,72 m<sup>3</sup>

# Total operator comfort

# Low-noise cab

Operator ear noise is as low as an average passenger car.

# **Large TFT monitor**

Improved operator interface through Komatsudeveloped information technology.

(TFT: Thin Film Transistor)



New, safe SpaceCab™

Tubular design developed specifically for hydraulic excavators to protect the operator in the event of a roll over accident.



The Komatsu SAA4D95LE-5 engine meets EU Stage IIIA and EPA Tier III emission regulations.



A --

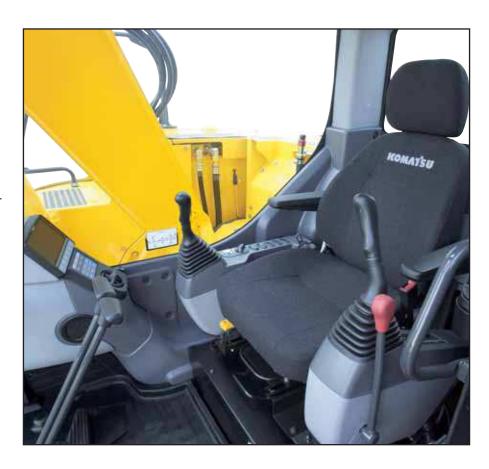
# **T**OTAL OPERATOR COMFORT

# **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.



The 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 this machine to generate a low level of noise.

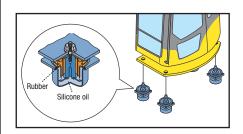


### Pressurised cab

An air conditioner and air filter are fitted as standard. Together with a higher internal air pressure, they reduce dust entry into the cab.

# Low vibration with cab damper mounting

The cab rests on viscous damping mounts to reduce vibration and noise from the machine body. Operator fatigue is reduced.



# Wide, spacious cab

Komatsu's large cab meets ISO working space standards to provide secure, safe, and comfortable operation.



# Sliding convex door

The sliding convex door facilitates easy entrance in confined areas while reducing the danger of being damaged on roadways because the door does not protrude when open. The cab also features a sliding window on the door.





Automatic air conditioner





Quick-coupler piping standard

12 Volt power supply





# TOTAL OPERATOR COMFORT

# New, large TFT monitor

**EMMS (Equipment Management and Monitoring System)** 

The EMMS is a highly sophisticated system, controlling and monitoring all the excavator functions. The user interface is highly intuitive and provides the operator with easy access to a huge range of functions and operating information.

# Large multi-lingual TFT monitor

A large user-friendly color monitor enables safe, accurate and smooth work. Screen visibility is improved through a TFT liquid crystal display that can be easily read at various angles and in various lighting conditions.

- Simple and easy-to-operate switches
- Industry first function keys facilitate multi-function operations
- Displays data in 10 languages to support operators around the world

### **On-screen symbols**

- 1 Auto deceleration
- 2 Working mode
- 3 Travel speed
- 4 Engine water temperature gauge
- 5 Hydraulic oil temperature gauge
- 6 Fuel level gauge
- 7 Eco-gauge
- 8 Function switch menu

# **Basic operation switches**

- 1 Auto deceleration
- Working mode
- 3 Travel speed
- 4 Buzzer cancel
- 5 Window wiper
- 6 Window washer



Working mode	Application	Advantage
Р	Power mode	Maximum production/power
		Fast cycle times
E	Economy mode	Excellent fuel economy
В	Breaker mode	Optimum engine RPMs and hydraulic flow
L	Lifting mode	Hydraulic pressure has been increased by 7%
ATT	Attachment mode	Optimum engine RPMs, hydraulic flow, 2 way



### **Monitor function**

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



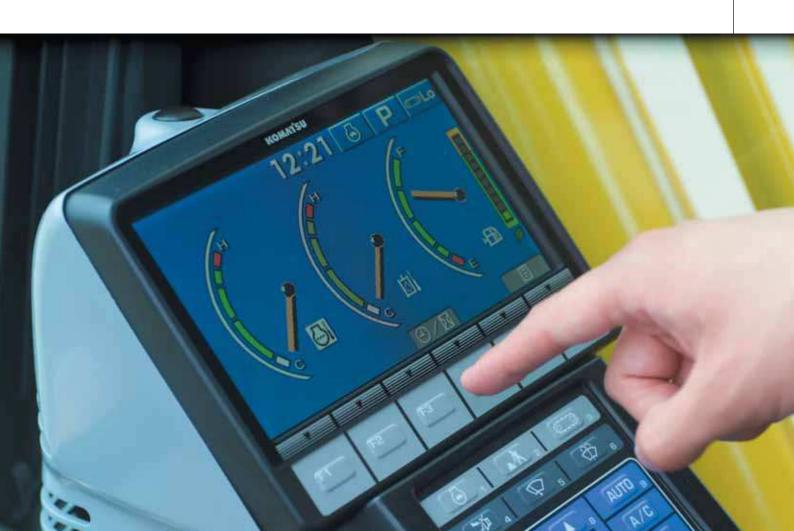
## **Maintenance function**

The monitor indicates when the replacement interval has been reached for the oil and filters.



# Fingertip hydraulic pump oil flow adjustment

From the LCD monitor, you can automatically select the optimal hydraulic pump oil flow for breaking, crushing and other operations in the B and ATT modes. In addition, the flow to the attachment is automatically reduced during simultaneous operation with other working equipment. This ensures smooth motion of all working equipment.



# **COMPLETE SAFETY**

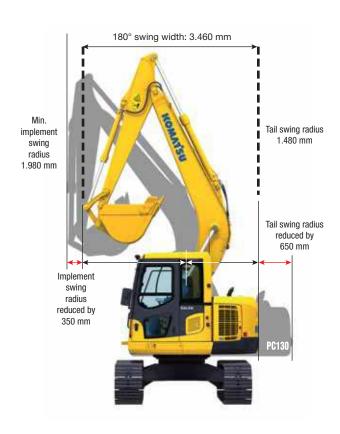
# Safe operation with small tail swing even in confined areas

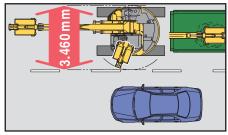
# Short tail swing radius:

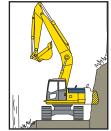
1,48 m – Because the tail of the PC138US-8 is more compact than conventional models, the PC138US-8 reduces the operator's need to check behind him for movement.

# Short implement swing radius:

1,98 m – Boom raising angle of the PC138US-8 is larger than the PC130-7, while front implement protrusion is lessened.







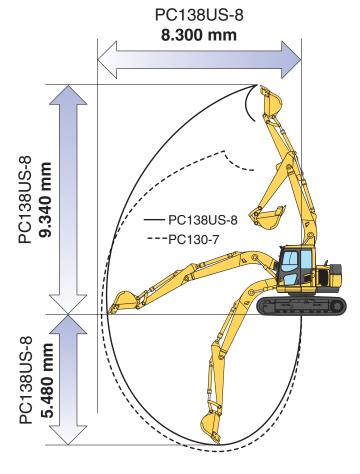
Road and bridge work

Logging road work

# Wider working ranges

Raising the boom on the PC138US-8 to a wider angle enhances overall working performance. Job sites that require a long upper reach, such as demolition and slope cutting also benefit from the increased digging and dumping ranges of the PC138US-8.

	PC138US-8	PC130-7
Max. digging height	9.340 mm	8.610 mm
Max. digging depth	5.480 mm	5.520 mm
Max. dumping height	6.840 mm	6.170 mm



# Round profile of both front and rear portion of the upper structure for safer operation

Komatsu hydraulic excavators with small tail swing radius design adopt the round profile for both left and right corners of the front portion of the upper structure as well as its rear portion that features less protrusion from the track at swing. The round profile design contributes to the prevention of contact accident at swing and allows the machine to work in tight quarters or job sites where there are some obstacles.

### Roadwork

When performing roadworks, protrusion of the machine to the unoccupied lane is kept minimum since the rear portion of the upper structure protrudes slightly from the track at swing. This allows a dump truck to be positioned closer to the track of the machine. The operator is able to load materials efficiently onto the front of the dump body at ease since ample dumping reach is assured for the loading. Large working space is not required for the machine.

### Logging and forest roadwork

Since the protrusion of the rear portion of the upper structure is kept minimum, there is less possibility of the counterweight hitting against a tree or a slope, allowing the operator to operate the machine at ease. Furthermore, large digging height facilitates a slope finishing work large drawbar pull assures smooth and powerful traveling even on rough terrain.

# **Demolition**

The machine needs less working space and can perform efficient demolition work since it has large and ample digging height.





# **COMPLETE SAFETY**

# New, safe SpaceCab™

Specifically developed for Komatsu excavators, the new cab is designed with a tubular steel frame. The framework provides high durability and impact resistance with very high impact absorbancy. The seat belt keeps the operator in the safety zone of the cab in the event of a roll over.







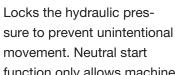






Rear view camera system standard





Lock lever

function only allows machine to be started in lock position.





**Anti-slip plates** 

Highly durable anti-slip plates maintain superior traction performance for the long term.



(optional)





Openable skylight

Provides upper visibility.

# Tempered and tinted glass

Tempered and tinted glass that meets occupational safety and health regulations is used for cab windows. The glass features high strength and blocks ultraviolet rays.

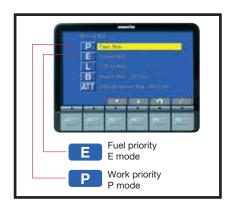


# **Pump/engine room partition**

Prevents hydraulic oil from spraying onto the engine to reduce the risk of fire.

### Audible travel alarm

# **E**FFECTIVE FUEL MANAGEMENT



# Working modes

Two established work modes are further improved.

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

E mode - Economy or fuel priority mode further reduces fuel consumption, but maintains P mode-like working speed for light operations.

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



# Eco-gauge assists energy-saving operations

The Eco-gauge can be seen on the right hand side of the monitor. Working within the green range for environmentally friendly, energy-saving operations reduces CO<sub>2</sub> emissions and fuel consumption.



### Idle 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**

The auto-deceleration can be activated by a switch on the monitor. If the control levers and the foot pedals are in neutral position, the engine speed is automatically lowered to reduce fuel consumption.

Using the auto-deceleration function can save up to 40% fuel.

# REVOLUTIONARY MACHINE MANAGEMENT

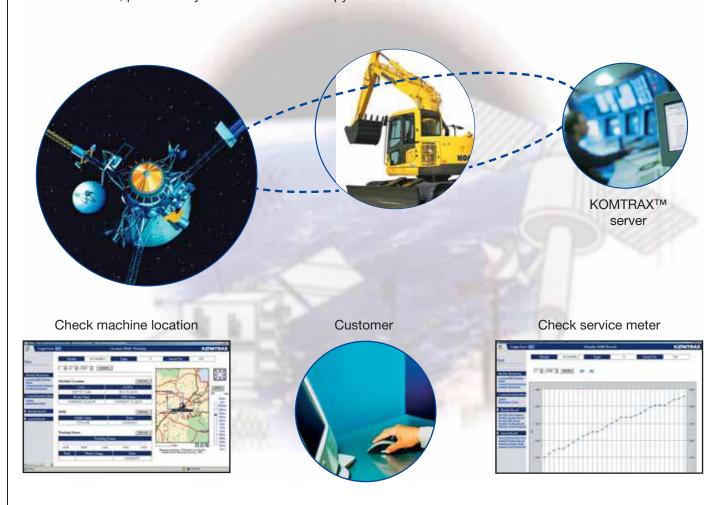


The Komatsu Tracking System, KOMTRAX™, provides a revolutionary new way to monitor your equipment, anytime, anywhere. It lets you pin-point the precise location of your machines and obtain real-time machine data. Using GPS location and communication satellite technology, it's designed to be future proof and will meet your demands today and tomorrow.

Komtrax will help you to answer the three most important questions you have about your machine:

- Is the machine making money
- Is the machine safe
- Is the machine in good health

For more details, please ask your distributor for a copy of the Komtrax brochure.



### Annual working hour record



### Caution and periodic maintenance



# Working record (fuel level, hours etc.)

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		-	-	-		14	334	116		-
		-		-		414	419	114		-

There are certain countries where KOMTRAX™ is not yet available, please contact your distributor when you want to activate the system. Komtrax will not operate if the satellite signal is blocked or obscured.

# PROTECTING THE ENVIRONMENT



# **New ECOT3 engine**

With its newly developed Komatsu ECOT3 engine, the PC138US-8 significantly reduces hourly fuel consumption through highly efficient techniques for matching the engine and hydraulic unit. It also includes a number of features to promote energy-saving operation such as the variable E mode and Eco-gauge.

The Komatsu SAA4D95LE-5 engine meets EPA Tier III, and EU Stage IIIA emissions regulations.



### Reduced noise levels

Reduced noise levels during operation due to lownoise engine and other developments.

- Electronically controlled common rail engine
- Multi-staged injection
- Optimal arrangement of sound-absorbing materials
- Partition between the cab and engine room
- Airtight valve room



# Easy end-of-life recycling

The PC138US-8 is designed with the consideration of end-of-life recycling, effectively reducing its environmental impact.

- All exterior parts are made of steel.
- Extended engine oil, hydraulic oil and filter replacement intervals reduce environmental impact.
- All plastic parts are given a material code symbol.

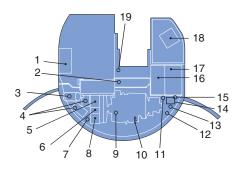
# Maintenance Features

# **Easy maintenance**

Komatsu designed the PC138US-8 to have easy service access. By doing so, routine maintenance and servicing are less likely to be skipped, which can mean a reduction in costly downtime later on. Here are some of the many service features found on the PC138US-8:

# **Optimum maintenance layout**

Effortless access to engine-related maintenance items such as oil filter, oil dipstick, coolant reserve tank, fuel filter, and air cleaner.



- 1. Tool box
- 2. Swing machinery oil filler
- 3. Air cleaner
- 4. Batteries
- 5. Oil cooler
- 6. Aftercooler
- 7. Windshield washer tank
- 8. Radiator
- 9. Engine oil filler
- 10. Engine oil dipstick
- 11.Engine oil filter
- 12.PTO oil filler
- 13. Fuel drain valve
- 14.Coolant reserve tank
- 15. Fuel filter (with water separator)
- 16.Hydraulic tank
- 17.Fuel tank
- 18.Control valve
- 19. Swing machinery dipstick

# Long-life oil filters

The hydraulic oil filter uses high-

performance filtering material for long element replacement intervals, which significantly reduces maintenance costs.



# Water separator

This is standard equipment which removes any water that has become mixed with the fuel, preventing fuel system damage.



# Side-by-side cooling

Since the radiator, aftercooler and oil cooler are arranged in parallel, it is easy to clean, remove and install them.



A large tool box provides plenty of space and room for the hose of the refuelling

### Washable floor

The PC138US-8's floor is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.

### Long greasing interval

Special hard material is used for the bushings of the work equipment to lengthen greasing interval. All bushing lubrication intervals of work equipment except arm top bushing are 500 hours, reducing maintenance costs.



# **O**PTIONS







500 mm road-liner (rubber) shoes



Blade



# **S**PECIFICATIONS



### ENGINE

Model	Komatsu SAA4D95LE-5
Туре	
	emissionised, turbocharged, after-cooled diesel
Rated capacity	/68 kW/92 HP (ISO 9249 Net)
at engine sp	eed2.200 rpm
No. of cylinder	s4
Bore × stroke.	95 × 115 mm
Displacement.	
Starter motor.	4,5 kW
Alternator	24 V/60 A
Battery	2 x 12 V/72 Ah
Air filter type	Double element type with
	monitor panel dust indicator and auto dust evacuator



### HYDRAULIC SYSTEM

TypeHydrauMind. Closed-centre system with load sensing and pressure compensation valves
Main pumpVariable-capacity piston pump
Pumps forBoom, arm, bucket, swing, and travel circuits
Maximum pump flow
Hydraulic motors:
Travel2 x axial piston motor with parking brake
Swing1 x axial piston motor with swing holding brake
Relief valve settings:
Implement
Travel
Swing271 bar
Pilot32 bar



### **OPERATING WEIGHT (APPR.)**

Operating weight including 4.600 mm one-piece boom, 2.500 mm arm, 470 kg backhoe bucket, rated capacity of lubricants, coolant, full fuel tank and standard equipment.

Shoes	Operating weight	Ground pressure
500 mm	13.480 kg	0,43 kg/cm <sup>2</sup>
600 mm	13.670 kg	0,36 kg/cm <sup>2</sup>
700 mm	13.850 kg	0,31 kg/cm <sup>2</sup>

Additional weight with blade: + 550 kg Additional weight with 500 mm road-liner: + 130 kg Additional counterweight: + 500 kg

### SWING SYSTEM

Туре	Axial piston motor driving through
	planetary double reduction gearbox
Swing lock	Electrically actuated wet multi-disc
	brake integrated into swing motor
Swing speed	0 - 11 rpm



## DRIVES AND BRAKES

Steering control	2 levers with pedals giving
	full independent control of each track
Drive method	Hydrostatic
Max. drawbar pull	12.500 kgf
Max. travel speeds	
Lo / Hi	2.9 / 5.1 km/h



## UNDERCARRIAGE

Construction	X-frame centre section
	with box section track-frames
Track assembly	
Туре	Fully sealed
Shoes (each side)	43
TensionC	Combined spring and hydraulic unit
Rollers	
Track rollers (each side)	7
Carrier rollers (each side)	1



# COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank	195 ltr
Radiator	12,4 ltr
Engine	11 ltr
Final drive (each side)	2,5 ltr
Swing drive	2,5 ltr
Hydraulic tank	



# ENVIRONMENT

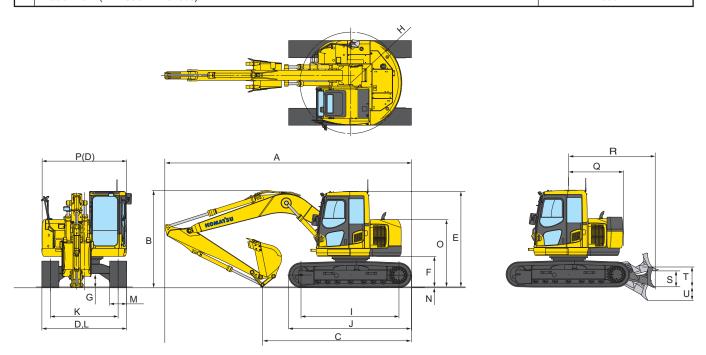
BUCKET AND ARM COMBINATION		PC138US-8			
Width	Capacity SAE	Weight	2.100 mm	2.500 mm	3.000 mm
500 mm	0,25 m <sup>3</sup>	335 kg	0	0	0
600 mm	0,32 m³	375 kg	0	0	0
700 mm	0,40 m <sup>3</sup>	390 kg	0	0	0
800 mm	0,48 m³	470 kg	0	0	0
900 mm	0,56 m <sup>3</sup>	475 kg	0	0	Δ
1.000 mm	0,64 m <sup>3</sup>	505 kg	0		_
1.100 mm	0,72 m <sup>3</sup>	560 kg		Δ	-

Please consult with your distributor for the correct selection of buckets and attachments to suit the application. The recommendations are given as a guide only, based on typical operating conditions.

- Material weight up to 1,8 t/m³
- □ Material weight up to 1,5 t/m³
- $\triangle$  Material weight up to 1,2 t/m³ Not usable

# **DIMENSIONS**

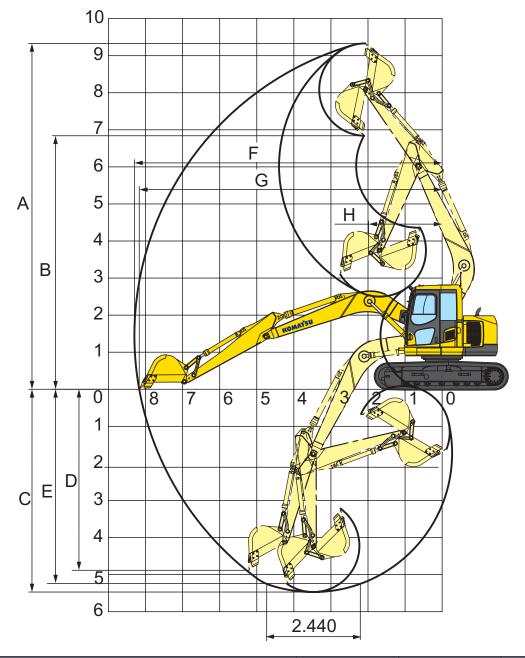
MACHINE DIMENSIONS	MONO BOOM
E Overall height of cab	2.815 mm
F Clearance under counterweight	900 mm
G Ground clearance	395 mm
H Tail swing radius	1.480 mm
I Length of track on ground	2.880 mm
J Track length	3.610 mm
K Track gauge	1.990 mm
L Overall track width with 500 mm shoe	2.490 mm
Overall track width with 600 mm shoe	2.590 mm
Overall track width with 700 mm shoe	2.690 mm
M Shoe width	500, 600, 700 mm
N Grouser height	20 mm
O Machine tail height (counterweight)	1.980 mm
P Overall width of upper structure	2.490 mm
Q Distance, swing center to rear end (with add. counterweight)	1.545 mm
R Distance, swing center to blade	2.480 mm
S Blade, max. lifting height	590 mm
T Height of blade	470 mm
U Blade, max. digging depth	525 mm
Blade width (with 500 mm shoes)	2.490 mm
Blade width (with 600 mm shoes)	2.590 mm



МО	NO BOOM	ARM LENGTH					
		2.100 mm	2.500 mm	3.000 mm			
Α	Transport length	7.275 mm	7.260 mm	7.160 mm			
В	Overall height (to top of boom)	2.690 mm	2.850 mm	3.210 mm			
С	Length on ground (transport)	4.660 mm	4.400 mm	4.290 mm			

# WORKING RANGE

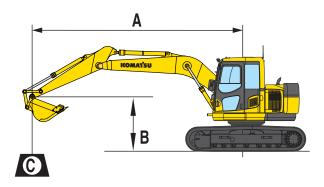
# **MONO BOOM**



ARI	M LENGTH	2.100 mm	2.500 mm	3.000 mm	
Α	Max. digging height	9.020 mm	9.340 mm	9.700 mm	
В	Max. dumping height	6.525 mm	6.840 mm	7.350 mm	
С	Max. digging depth	5.070 mm	5.480 mm	5.900 mm	
D	Max. vertical wall digging depth	4.490 mm	4.900 mm	5.340 mm	
Е	Max. digging depth of cut for 2,44 m level	4.830 mm	5.265 mm	5.720 mm	
F	Max. digging reach	7.930 mm	8.300 mm	8.720 mm	
G	Max. digging reach at ground level	7.805 mm	8.180 mm	8.600 mm	
Н	Min. swing radius	1.845 mm	1.980 mm	2.265 mm	
	Bucket digging force (ISO)	9.000 kgf	9.500 kgf	9.000 kgf	
	Arm crowd force (ISO)	7.300 kgf	6.300 kgf	5.700 kgf	

# HYDRAULIC EXCAVATOR PC138US-8 LIFTING CAPACITY

# **MONO BOOM**



- A Reach from swing centre
- B Bucket hook height
- C Lifting capacities, including bucket (450 kg), bucket linkage and bucket cylinder
- Rating over front
- ☐⇒ Rating over side
  - Rating at maximum reach

When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights

With 500 mm shoes

	A		•		7,0 m		6,0 m		4,5 m		3,0 m		1,5 m	
Arm length	В		Å		Å	<u>□</u> >=	7		ď	₽	7	<b>□</b> >==	7	
							,	`		·	`			
With 500 mm shoe	6,0 m	kg	*1.620	*1.620					*2.810	*2.810				
	4,5 m	kg	*1.510	1.480			*2.880	1.930	*3.040	*3.040				
	3,0 m	kg	*1.530	1.260	2.240	1.380	2.960	1.870	*3.730	3.090	*4.970	*4.970		
	1,5 m	kg	*1.630	1.170	2.190	1.330	2.850	1.770	*4.600	2.850	*7.270	5.430		
3.000 mm	0,0 m	kg	*1.860	1.180	2.130	1.280	2.750	1.680	4.380	2.650	*7.350	4.990		
<u>~</u>	-1,5 m	kg	2.190	1.310			2.690	1.620	4.270	2.550	*8.020	4.870	*4.070	*4.070
450 kg 0,5 m³	-3,0 m	kg	2.740	1.660					4.270	2.550	*6.770	4.920	*6.870	*6.870
	-4,5 m	kg	*2.500	*2.500							*4.180	*4.180		
With 500 mm shoe	6,0 m	kg	*2.060	*2.060					*3.270	3.220				
	4,5 m	kg	*1.920	1.730			*2.890	1.890	*3.460	3.200	*3.960	*3.960		
	3,0 m	kg	*1.950	1.450			2.940	1.860	*4.140	3.050	*5.870	*5.870		
	1,5 m	kg	*2.120	1.350			2.850	1.780	4.590	2.840	*7.960	5.330		
2.500 mm	0,0 m	kg	2.250	1.370			2.780	1.710	4.300	2.580	*6.750	5.030		
	-1,5 m	kg	2.540	1.550			2.740	1.680	4.340	2.620	*7.740	4.990	*4.710	*4.710
450 kg 0,5 m³	-3,0 m	kg	*3.130	2.060					*4.160	2.650	*6.140	5.090	*8.310	*8.310
	-4,5 m	kg												
With 500 mm shoe	6.0 m	kg	*2.620	*2.620					*3.530	3.150	*3.860	*3.860		
With 500 mm shoe	4.5 m	kg	*2.420	1.950					*3.780	3.150	*4.560	*4.560		
	3,0 m	kg	*2.460	1.610			2.910	1.830	*4.420	3.000	*6.530	5.820		
	1,5 m	kg	2.410	1.490			2.840	1.770	4.550	2.810	0.550	5.020		
	0,0 m	kg	2.410	1.520			2.780	1.710	4.260	2.560	*6.240	5.000		
2.100 mm	-1,5 m		2.460	1.750			2.700	1.710	4.230	2.530	*7.300	5.000	*5.280	*5.280
450 kg	,	kg											5.280	5.200
0,5 m³	-3,0 m	kg	*3.190	2.430					*3.660	2.700	*5.440	5.150		
	-4,5 m	kg												

<sup>\*</sup> 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.

# HYDRAULIC EXCAVATOR

# STANDARD EQUIPMENT

- Komatsu SAA4D95LE-5, 68 kW turbocharged common rail direct injection diesel engine, EU Stage IIIA compliant
- · Double element type air cleaner with dust indicator and auto dust evacuator
- · Suction type cooling fan with radiator fly screen
- · Automatic fuel line de-aeration
- Automatic engine warm-up system
- Engine overheat prevention system
- · Fuel control dial
- Auto-deceleration function
- Engine key stop
- Alternator 24 V/60 A
- Batteries 2 × 12 V/72 Ah
- Starter motor 24 V/4,5 kW
- · Electronic closed-centre load sensing (E-CLSS) hydraulic system (HydrauMind)
- · Pump and engine mutual control (PEMC) system

- Multi-function video compatible colour monitor with equipment management monitoring system (EMMS) and efficiency guidance
- · 5-working mode selection system; Power mode, economy mode, breaker mode, attachment mode and lifting
- PowerMax function
- One additional 2-way full-flow service spool with attachment lines on boom and arm and pedal in cab (HCU A). For Mono boom only
- Hydrostatic, 3-speed travel system with automatic shift and planetary gear type final drives, and hydraulic travel and parking brakes
- Adjustable PPC wrist control levers with 3 button controls for arm, boom, bucket and swing
- PPC control levers and pedals for steering and travel
- KOMTRAX™ Komatsu Tracking System

- Reinforced safety SpaceCab™; Highly pressurised and tightly sealed hyper viscous mounted cab with tinted safety glass windows, large roof hatch, pull-up type front window with locking device, removable lower window, front window wiper with intermittent feature, cigarette lighter, ashtray, luggage shelf, floor mat
- height adjustable arm rests and retractable seat belt

- · Beverage holder
- Radio
- · Overload warning device
- Electric horn
- Audible travel alarm
- Track frame under-guards

- Suspension seat with lumbar support,
- · Automatic climate control system
- 12 Volt power supply

- Rear view camera system
- Track roller guards
- Quick-coupler piping

- Lockable fuel cap and covers
- · Remote greasing for swing circle and pins
- Boom safety valves
- Fuel supply pump
- Large handrails, rear-view mirrors
- Toolkit and spare parts for first
- . Lights; 1 revolving frame light, 1 cab roof light and 1 boom light (r.h.)
- Engine ignition can be password secured on request
- Standard colour scheme and decals
- Parts book and operator manual
- 3,0 m arm, HCU assembly includes piping for one additional function
- 500 mm triple grouser shoes
- Mono boom

# **OPTIONAL EQUIPMENT**

- 2,1 m; 2,5 m; 3,0 m arms (HCU assembly includes piping for one additional function)
- 600 mm triple grouser shoes
- 700 mm triple grouser shoes
- 500 mm road-liner (rubber) shoes
- · Arm safety valve
- · Additional hydraulic circuits
- Dozer blade (with 500 mm shoes)
- Dozer blade (with 600 mm shoes)
- Front window guard (full)
- · Additional working lamps, including 5 cab roof lights, l.h. boom lamp, counterweight rear lamp and additional I.h. revolving frame light, beacon and harness for 2 lamps (not included) in boom foot area
- · Heated air suspension seat
- · Lower wiper
- Additional counterweight 500 kg
- Komatsu buckets
- Komatsu quick couplers

Call the experts



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