

# KOMATSU®

## PC58UU-3

**FLYWHEEL HORSEPOWER**

29.4 kW **40 HP** @ 2400 rpm

**OPERATING WEIGHT**

5230 kg **11,540 lb**

**BUCKET CAPACITY**

0.22 m<sup>3</sup> **0.29 yd<sup>3</sup>**

**PC**  
**58UU**

COMPACT HYDRAULIC  
EXCAVATOR

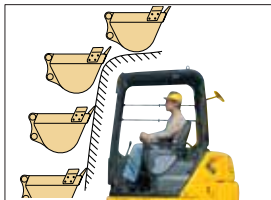


Photos may include optional equipment.

# PRODUCTIVITY FEATURES

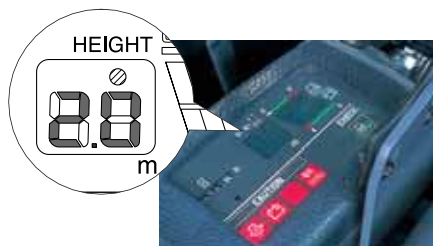
## Bucket interference prevention system

The bucket automatically stops itself from contact with the cab/canopy. During operation, an alarm sounds and the equipment is stopped if the bucket gets too close to contact. This feature helps maintain operator confidence, which can increase productivity.



## Height Limiter

An adjustable boom height limiter can be set prior to operation. When the boom reaches the pre-set height limit, an alarm will sound and the boom automatically stops. This function can help increase productivity by letting operators focus more on digging in tight or confined spaces.

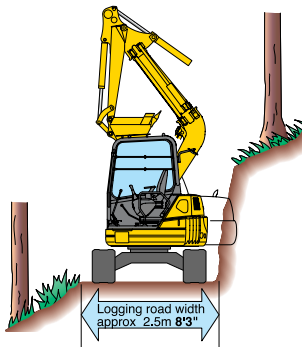


## Digital Depth Display

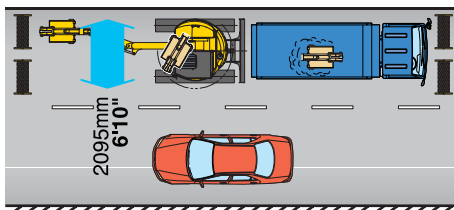
Ditching, trenching, or digging is even more efficient with this automatic depth measurement system. Informing the operator of dig depth from ground level (absolute depth) and the depth from any pre-set point (relative depth) enables work to go much more smoothly and efficiently. This lessens the need for the operator to stop operation or leave the cab after each adjustment, which also increases productivity.



## Road Construction



## Road & Bridge Work



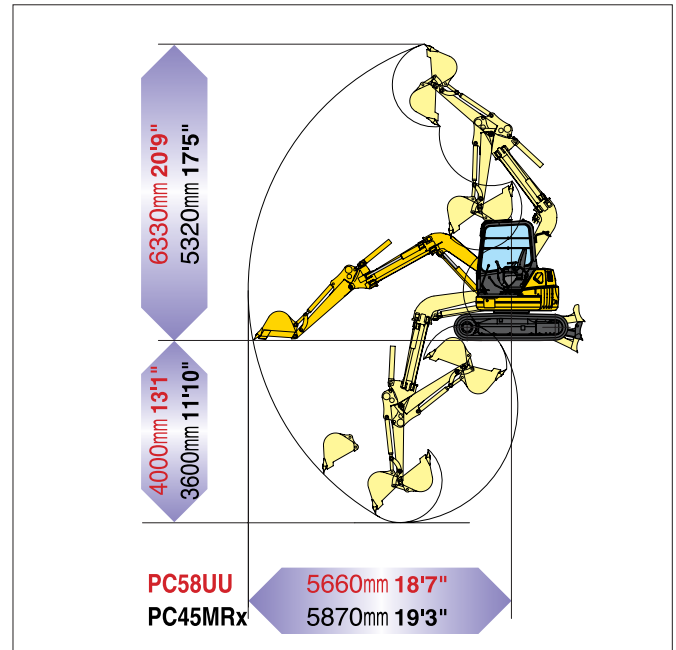
## Tight implement swing and tail swing for superb operability in confined areas



Photo shown includes optional steel shoes.



## Extended reach working range



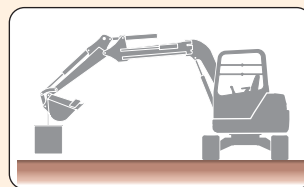
## New pressure-compensated CLSS hydraulic system HydrauMind

Even when 2 or more actuators are operated simultaneously, the PC58UU-3's pressure-compensated CLSS system ensures that each actuator works according to its control input without affecting the size of the load. This gives the operator precise control at all times.

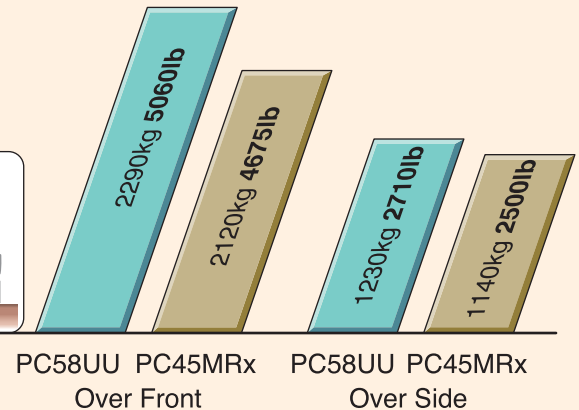
## Back fill blade

The PC58UU features a standard back fill blade that can quickly and conveniently fill trenches and clear up jobsites.

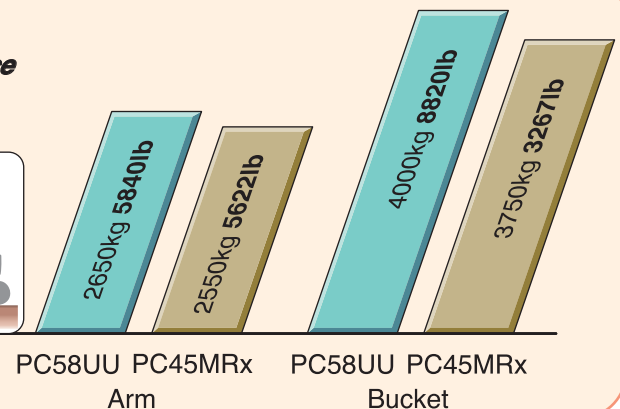
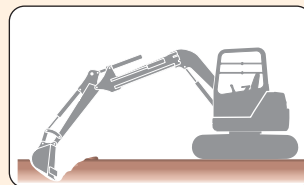
## Higher lifting capacity



Reach: 3m 10'  
Bucket hook high: 0m 0'  
Blade on ground



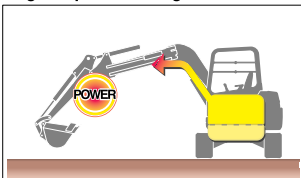
## Powerful digging force



## Engine speed sensing=Optimum Power

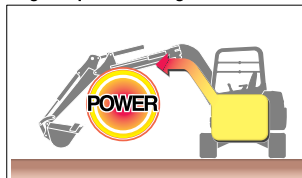
Power utilized by main pump is adjusted automatically in accordance with the engine speed. That means this computerized system keeps engine speed even under high load condition.

### Engine speed sensing not installed



Engine speed can be dropped under high load condition. Maximum pump power must be limited to prevent engine speed down.

### Engine speed sensing installed



Engine speed is maintained even under high load condition. Pump can utilize full potential power of engine all the time.



# OPERATOR ENVIRONMENT

## Spacious and comfortable operator area



## Reclining suspension seat and seatbelt

Easy-to-clean, durability and ability to recline keeps operator comfortable.

## Monitor panel



Engine-neutral-start function

## Pressure Proportional Control lever



The control lever uses a fine-response PPC, to translate even the most subtle hand signals into motion. Short lever throw ensures comfortable operation.

Engine hood can be opened and closed even in confined areas

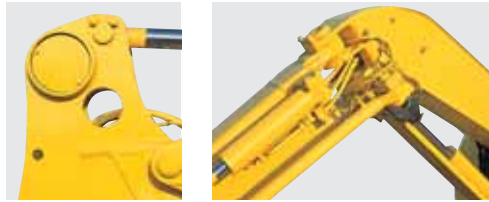


Wide-opening side hood makes everyday inspection simpler

Photo shown includes optional steel shoes.

# EASY MAINTENANCE

Thin potentiometer adopted  
and built in



Hydraulic hoses built in



One fuel system  
inspection  
window for fast  
and easy  
maintenance

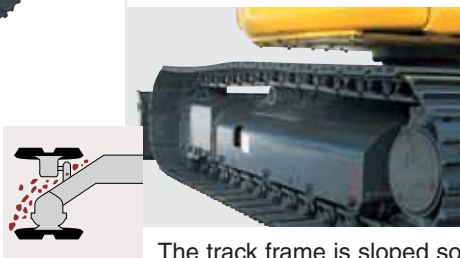


## Control Pattern change Valve

Whether you are comfortable with ISO or SAE control patterns, you can easily and consciously change from one to the other.



## Inclining track frame



The track frame is sloped so that dirt will not be accumulate and can be removed easily.



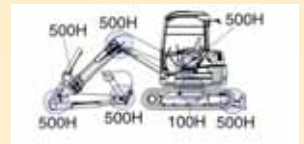
Larger opening reduces fuel back splash.

## Easy Daily Check

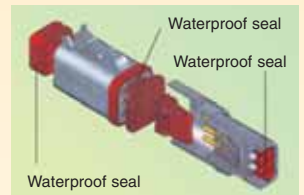
- ✓ Air cleaner with easily replaceable element
- ✓ Aluminum oil cooler and radiator are corrosion resistant and easy to clean
- ✓ Battery inspection window enables instant check of liquid level
- ✓ Large and accessible toolbox
- ✓ Control valve can be easily inspected
- ✓ Window washer tank is easy to check and refill

## Reliability

### Greasing intervals



### DT connector



Water-resistant DT connectors are used for the parts which water will be splashed over.

### Face seal



O-ring face seals having high sealing performance are used for the hydraulic piping joints.

## OPTION

### ROADLINER

Ideal performance has been achieved with combining the merits of rubber and the strengths of steel in the new Road Liner shoes. *Road Liners can last up to twice as long as rubber tracks under most normal operating conditions.*

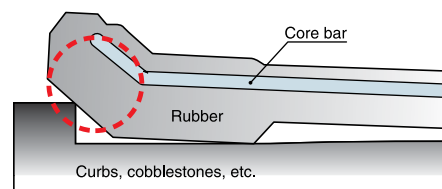
Similar to all rubber tracks, pavement is not easily damaged.

Replacement is fast and easy. Wide-ranging cost reductions are possible by replacing only the damaged or worn-out shoes, which differs from the need to replace a full rubber or steel track.



#### Reinforced type

Rubber thickness has been upgraded using a new type of core bar, and this section that is often sheared has been reinforced.



### TOPS CAB



**Upper-rail type sliding door opens and closes smoothly even in tight working conditions.**



Hammer



Window washer, front



Room light



Cup holder



Coiled cord



Upward exhaust pipe

# SPECIFICATIONS



## ENGINE

Model	Komatsu 4D88E
Type	Water-cooled, 4-cycle, direct injection
Number of cylinders	4
Piston displacement	2.189 ltr <b>133.6 in³</b>
Flywheel horsepower (SAE J1349 NET)	29.4 kW <b>40 HP</b> @ 2400 min-1 <b>2400 rpm</b>



## HYDRAULIC SYSTEM

Type	HydrauMind (Hydraulic Mechanical Intelligence New Design) system, Closed-center system with load-sensing valve and pressure-compensated valve
Main pump:	
Type	Variable displacement, axial piston
Maximum flow	51 ltr/min x 2 = 102 ltr/min <b>27 USgal/min</b>
Type	Fixed displacement gear
Maximum flow	33 ltr/min <b>8.7 USgal/min</b>
Auxiliary Hydraulic flow	50 ltr/min <b>13.2 USgal/min</b>
Valve rating :	
Relief valve setting	265 kg/cm² <b>3768 psi</b>
Bucket digging force (ISO)	4000 kg <b>8820 lb</b>
Arm crowd force	
With Arm length 1620 mm 5'3.8"	2650kg <b>5840 lb</b>



## ELECTRICAL SYSTEM

Operating voltage	12 V
Battery	64 Ah
Alternator	40 A
Starter	2.0 kW



## SWING SYSTEM

Driven method	Hydrostatic
Swing speed	10.0 rpm
180-degree swing width	2095 mm <b>6'10"</b>



## DRIVES AND BRAKES

Steering control	Two levers
Drive method	Fully hydrostatic
Hydraulic motors	Variable displacement, axial piston motors
Maximum drawbar pull	45.6 kN 4650 kg <b>10251 lb</b>
Maximum travel speed: High	4.5 km/h <b>2.8 mph</b>
Low	2.7 km/h <b>1.7 mph</b>
Parking brakes	Hydraulic lock



## UNDERCARRIAGE

Track Adjustment of the track tension	Grease
Number of shoes	38 each side
Number of carrier rollers	1 each side
Number of track rollers	5 each side
Ground Pressure	0.31 kg/cm² <b>4.4 psi</b>



## OPERATING WEIGHT (APPROXIMATE)

Operating weight including 1620 mm 5'4 " arm, bucket with 0.22 m³ 0.29 yd³ ISO 754 capacity, blade, operator weight, liquids, full fuel tank, and standard equipment.

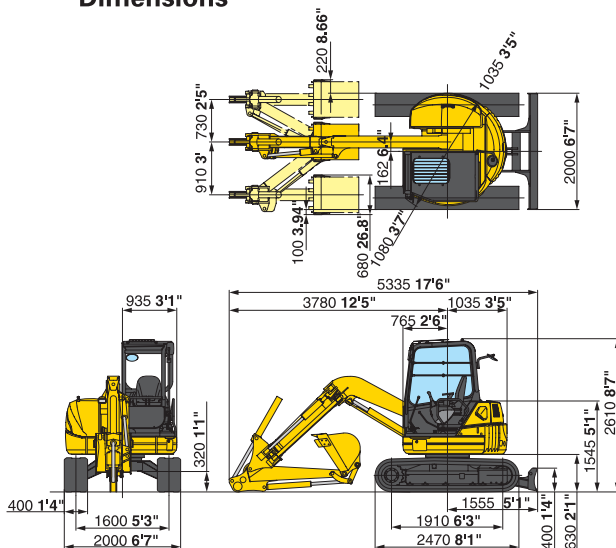
PC58UU-3	Shoe Width	Operating Weight
With TOPS Canopy	400 mm <b>15.7"</b>	5230 kg <b>11,540 lb</b>
With TOPS Cab	400 mm <b>15.7"</b>	5290 kg <b>11,670 lb</b>



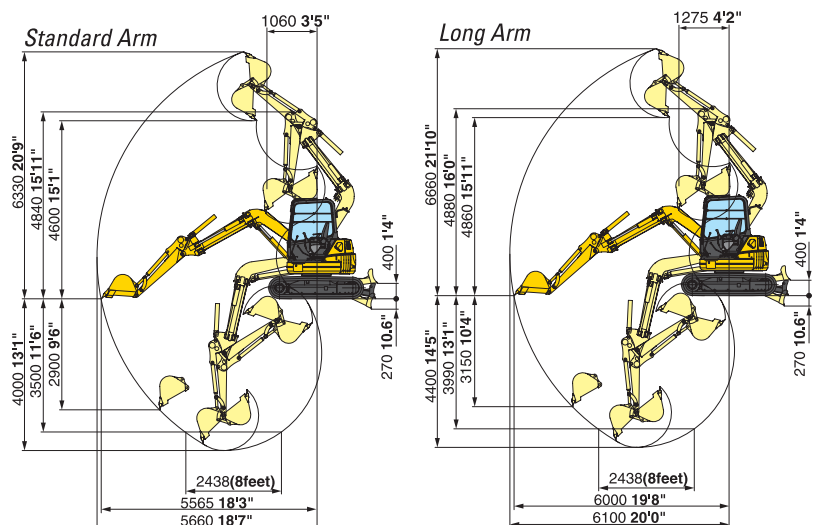
## COOLANT AND LUBRICANT CAPACITY

Fuel tank	80 ltr <b>21.1 USgal</b>
Radiator	6.5 ltr <b>1.7 USgal</b>
Engine Oil (Exchange)	9.1(8.7) ltr <b>2.4(2.3) USgal</b>
Hydraulic tank	64.0(38.0) ltr <b>16.9(10.0) USgal</b>

## Dimensions



## Working Range





## LIFTING CAPACITY

PC58UU-3 Arm : 1620mm 5'4" Bucket width : 610mm 24.0" Shoe width : 400mm 15.7" Blade on ground Unit : kg lb								
	1.5m 5'		3.0m 10'		4.6m 15'		Maximum	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
4.6m 15'			*1380 *3050	*1380 *3050			*1030 *2290	*1030 *2290
3.0m 10'			*1530 *3380	*1530 *3380	*1000 *2200	760 1690	*990 *2200	660 1450
0.0m 0'	*1400 *3080	*1400 *3080	*2290 *5060	1230 2710	*1470 *3250	650 1430	*1360 *3010	500 1110
-1.5m -5'	*1050 *2320	610 1350	*2110 *4660	1170 2590			*1410 *3110	610 1350

\*Load is limited by hydraulic capacity rather than tipping. . Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping load.

PC58UU-3 Arm : 1620mm 5'4" Bucket width : 610mm 24.0" Shoe width : 400mm 15.7" Blade on ground Additional counterweight								
	1.5m 5'		3.0m 10'		4.6m 15'		Maximum	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
4.6m 15'			*1380 *3050	*1380 *3050			*1030 *2290	*1030 *2290
3.0m 10'			*1530 *3380	*1530 *3380	*1000 *2200	830 1840	*990 *2200	720 1580
0.0m 0'	*1400 *3080	*1400 *3080	*2290 *5060	1340 2970	*1470 *3250	720 1580	*1360 *3010	560 1230
-1.5m -5'	*1050 *2320	680 1500	*2110 *4660	1290 2850			*1410 *3110	670 1490

\*Load is limited by hydraulic capacity rather than tipping. . Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping load.

PC58UU-3 Arm : 2070mm 6'9" Bucket width : 563mm 22.2" Shoe width : 400mm 15.7" Blade on ground								
	1.5m 5'		3.0m 10'		4.6m 15'		Maximum	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
4.6m 15'					*1090 *2410	620 1370	*2020 *910	840 1850
3.0m 10'			*1260 *2790	*1260 *2790	*1110 *2450	740 1630	*880 *1950	510 1130
0.0m 0'	*1470 *3250	*1470 *3250	*2140 *4720	1160 2560	*1370 *3020	580 1280	*1170 *2580	370 830
-1.5m -5'	*2370 *5220	*2370 *5220	*2110 *4660	1060 2340	*1280 *2840	540 1190	*1230 *2720	440 980

\*Load is limited by hydraulic capacity rather than tipping. . Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping load.

PC58UU-3 Arm : 2070mm 6'9" Bucket width : 563mm 22.2" Shoe width : 400mm 15.7" Blade on ground Additional counterweight								
	1.5m 5'		3.0m 10'		4.6m 15'		Maximum	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
4.6m 15'					*1090 *2410	680 1510	*910 *2020	910 2000
3.0m 10'			*1260 *2790	*1260 *2790	*1110 *2410	810 1780	*880 *1950	570 1250
0.0m 0'	*1470 *3250	*1470 *3250	*2140 *4720	1270 2820	*1370 *3020	640 1430	*1170 *2580	420 940
-1.5m -5'	*2370 *5220	*2370 *5220	*2110 *4660	1170 2590	*1280 *2840	610 1340	*1230 *2720	500 1110

\*Load is limited by hydraulic capacity rather than tipping. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping load.

## STANDARD EQUIPMENT

- Air cleaner, single element
- Cooling fan, suction type
- TOPS Canopy
- Travel alarm
- Rearview mirror
- Suspension seat
- Seat belt 3"
- Engine sensing system
- Pattern change valve (ISO-SAE)
- Bucket interference prevention system
- Depth measurement system
- Blade
- Arm, — 1620mm 5'4" arm assembly
- Shoes, — 400mm 15.7" Rubber

## OPTIONAL EQUIPMENT

- Air cleaner, double element
- TOPS cab
- Cab heater
- Air conditioner
- Ashtray
- Window washer, front
- Long arm, —2070mm 6'9" arm assembly<sup>3</sup>
- Shoes, —400mm 15.7" Road Liner
- —400mm 15.7" Triple grouser

PC58UU-3							
Bucket Capacity	m <sup>3</sup> yd <sup>3</sup>	0.055 0.07	0.13 0.17	0.16 0.21	0.22 0.29		
Without Sidecutter	mm in	300 12	410 16	580 23	610 24		
With Sidecutter	mm in	370 15	480 18	650 26	680 27		

This specification sheet may contain attachments and optional equipment that are not available in your area. Please contact your local Komatsu Utility distributor for those items you may require. Materials and specifications are subject to change without notice.

KUSS127-01

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