PC45MR / 55MR-5

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KOMATSU®

CEN00800-00

KOMATSU®

PC45MR-5
PC55MR-5

U.S. EPA Tier 4 Final Engine

Australian - NZ specifications

PC45MR

COMPACT HYDRAULIC EXCAVATOR

The photo shows Japanese specification.

HORSEPOWER

PC45MR-5
Gross: 29.1 kW 39 HP/2400 min^{-1}
Net: 28.3 kW 38 HP/2400 min^{-1}
PC55MR-5
Gross: 29.1 kW 39 HP/2400 min^{-1}
Net: 28.3 kW 38 HP/2400 min^{-1}

OPERATING WEIGHT

PC45MR-5: 4860 kg (Canopy)
4980 kg (Cab)
PC55MR-5: 5140 kg (Canopy)
5260 kg (Cab)

BUCKET CAPACITY

PC45MR-5: 0.055 - 0.16 m^3
PC55MR-5: 0.055 - 0.18 m^3

WALK-AROUND

Introducing the environmentally-friendly next-generation compact hydraulic excavator Compliant with U.S. EPA Tier 4 Final emission regulations

The photo shows Japanese specification.

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PC55MR-5: 0.055 - 0.18 m^3

The photo shows Japanese specification.

Ecology & Economy Features

- U.S. EPA Tier 4 Final emission regulations-compliant engine NEW
- 5% reduction in fuel consumption per hour (Compared with Komatsu's current models) NEW
- Selectable two working modes NEW
- Auto-decelerator and auto idle shutdown NEW

Information & Communication Technology (ICT)

- Multi-function monitor for displaying much information NEW
- High resolution 3.5" Liquid Crystal Display (LCD) color monitor NEW

Safety Features

- Two-post canopy compliant with ROPS (ISO 3471) and OPG top guard (ISO 10262) standards
- Lock lever and lock lever auto lock function NEW
- Engine shutdown secondary switch NEW
- Seat belt caution indicator NEW

Workability & Durability Features

- Automatic travel speed change increases work efficiency and makes gear changes smoother
- Dial type fuel controls NEW
- Strengthened boom cylinder guard and relocated working light for reduced damage

Comfortable Features

- Spacious and comfortable operator's compartment
- Multiple accessories around the operator's seat NEW
- Newly designed cab NEW

Maintenance Features

- Tilt-up floor mechanism and wide cover for easy maintenance
- Various maintenance information is displayed on the monitor NEW

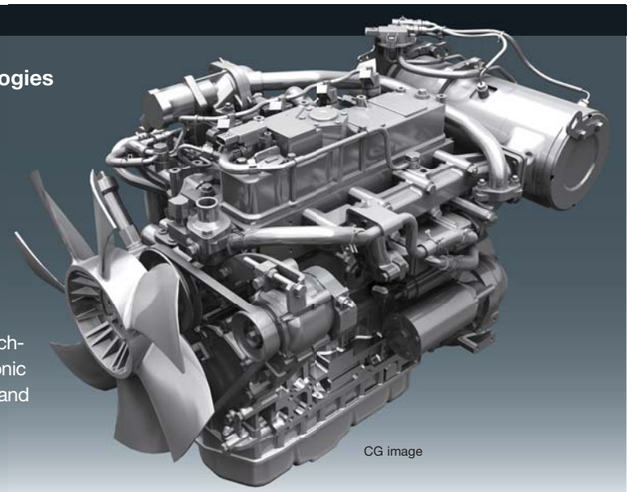
KOMTRAX

ECOLOGY & ECONOMY FEATURES

NEW ENGINE TECHNOLOGIES

Integrating the Latest Engine Technologies - U.S. EPA Tier 4 Final Emission Regulations-compliant Engine

PC45/55MR-5 is equipped with a clean engine that complies with the U.S. EPA Tier 4 Final emission regulations. The engine uses proven environmentally-friendly technologies such as an exhaust gas aftertreatment system, electronically controlled cooled Exhaust Gas Recirculation (EGR) system, and optimum fuel injection system using a common rail. These technologies combined with Komatsu's own electronic control system minimize environmental impact and improve fuel economy.



CG image

Clean and Economical

Komatsu Diesel Particulate Filter (KDPF)

Special catalyst and fuel injection are used to burn and remove particulate matter (PM) deposited in the filter.

Heavy-duty cooled Exhaust Gas Recirculation (EGR) system

Part of the exhaust gas is reused for combustion to reduce NOx emissions.

Heavy-duty High-Pressure Common Rail (HPCR) fuel injection system

Injection of pressurized fuel is optimally controlled by the computer for near-complete combustion to reduce particulate matter (PM) and fuel consumption.

Electronic control system

The engine and hydraulic system are optimally controlled according to the operating conditions. The hydraulic loss reduction mechanism also helps reduce both fuel consumption and environmental impact.

Fuel consumption — Comparison with Komatsu's current models

5% reduction/hour

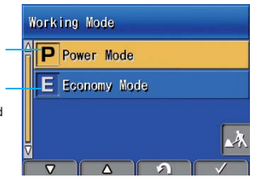
The above data may differ from actual fuel consumption depending on the type of work.
The fuel consumption data is based on in-house comparison test results.

Selectable Two Working Modes

Powerful P mode for production and economical E mode for lower fuel consumption can be easily selected on the monitor panel depending on application.

For large workload
P mode

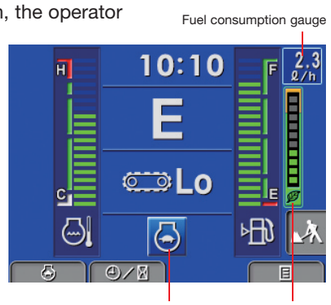
For lower fuel consumtiond
E mode



Selection screen of two working modes

ECO Gauge and Fuel Consumption Gauge

The monitor screen is provided with an ECO gauge and also a fuel consumption gauge which is displayed continuously. In addition, the operator can set a desired fuel consumption target value (Within the range of the green display), enabling the machine to be operated with better fuel economy.



Auto-decelerator and Auto Idle Shutdown

Auto-decelerator and auto idle shutdown functions are provided as standard. The auto-decelerator function automatically reduces the engine speed a few seconds after the work equipment levers are moved to the neutral position. The auto idle shutdown function* automatically stops the engine after a preset time to reduce unnecessary fuel consumption.

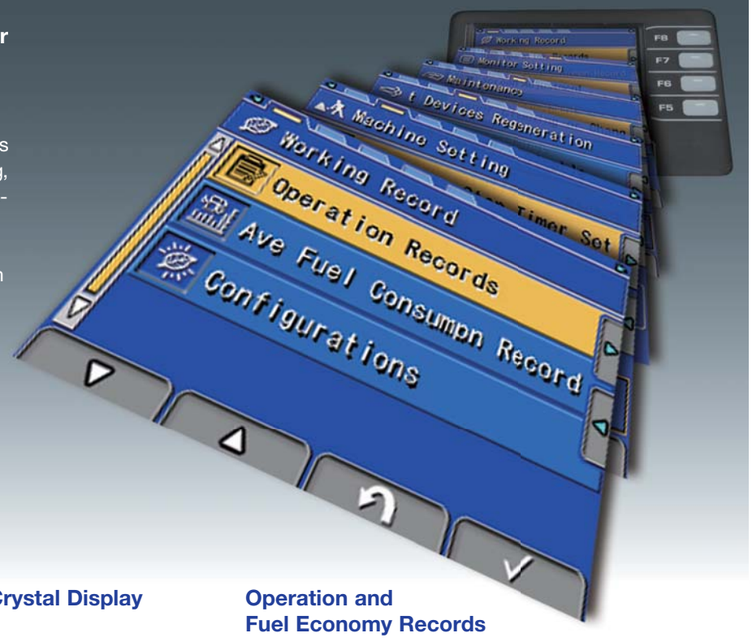
* Default setting is OFF.

ICT

MULTI-FUNCTION MONITOR

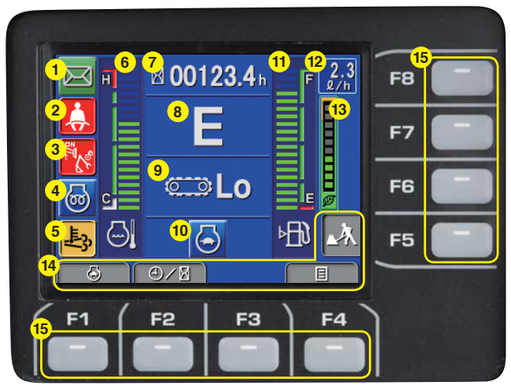
New Multi-function Monitor with More Information

Various alerts and machine information are displayed in a simple format. Useful information such as operation record, machine setting, and maintenance data is also provided. Screens can be easily switched from the user menu screen to reduce the workload on the operator.



High Resolution 3.5" Liquid Crystal Display (LCD) Color Monitor

The high resolution Liquid Crystal Display (LCD) color monitor is less affected by the viewing angle and surrounding brightness, ensuring excellent visibility.



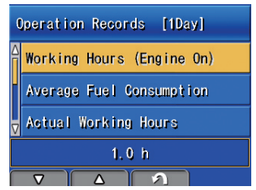
Indicators, basic operation switches

1 Message	8 Working mode
2 Seat belt	9 Travel mode
3 Work equipment lock	10 Auto-decelerator
4 Engine preheating	11 Fuel gauge
5 KDPF* regeneration or KDPF* regeneration disable	12 Fuel consumption gauge
	13 ECO gauge
6 Engine coolant temperature gauge	14 Guidance icons
7 Service meter, clock	15 Function switches

* Komatsu Diesel Particulate Filter

Operation and Fuel Economy Records

Operation and fuel economy records can be checked on the monitor, helping improve overall fuel economy.



Operation record

Fuel economy record

The photo shows North American specification.

SAFETY FEATURES

TWO-POST ROPS & OPG CANOPY/CAB

Two-Post Canopy Compliant with ROPS and OPG (Top Guard Level 1)

Equipped with two-post canopy with steel roof compliant with ROPS and OPG standard, and a retracting seat belt.

The cab model is also compliant with the ROPS and OPG (Top guard level 1) standards.

Note: Do not remove the canopy or cab, which is compliant with the following safety standards. Always wear the seat belt to secure your body to the protected area (Operator's seat) of the ROPS.

ROPS: Roll-Over Protective Structures
A mechanism to protect the operator with a seat belt in the event of rolling over
Compliant under the test conditions of ISO 3471

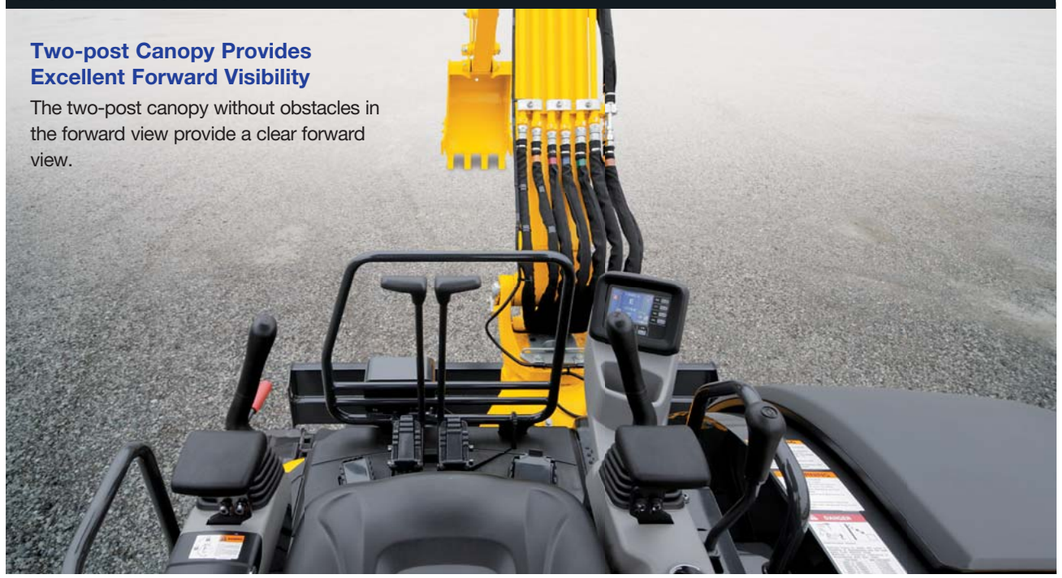
OPG: Operator Protective Guards (Top guard)
A mechanism to protect the operator from falling objects
Compliant with top guard level 1 of ISO 10262

The photo shows North American specification.

EXCELLENT VISIBILITY

Two-post Canopy Provides Excellent Forward Visibility

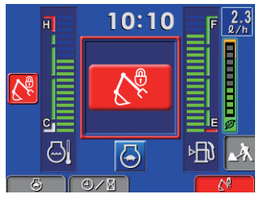
The two-post canopy without obstacles in the forward view provide a clear forward view.



The photo shows North American specification.

Lock Lever and Lock Lever Auto Lock Function

The engine can be started only in the lock position. The function to detect the neutral position of the work equipment lever prevents accidental operation due to touching the work equipment lever when the lock lever is released. If the lock lever is released with the work equipment lever not in the neutral position, the work equipment automatically stops to prevent accidents.



Engine Shutdown Secondary Switch

Engine shutdown secondary switch at base of seat is added to shutdown engine.

Short Tail Swing for Operation in Confined Areas

The short tail swing radius with minimum rear overhang from the track (60mm for PC45MR-5 and 140mm for PC55MR-5) allows the operator to concentrate on work in confined areas without worrying about the counterweight clearance.

Seat Belt Indicator

A warning indicator on the monitor appears when the seat belt is not engaged.

Retractable Seat Belt

Other Equipment

Hose covers
Pressure hoses are provided with protective covers.

Reflector

Thermal guard
Fan guard
Accumulator
Travel alarm

WORKABILITY & DURABILITY FEATURES

The photo shows Japanese specification.

Automatic Travel Speed Change and Travel Switch

The travel speed selector switch installed on the blade control lever allows the operator to engage high speed travel. Once engaged, the travel speed automatically shift up or down within the selected speed range.

Dial Type Fuel Control

The dial type fuel control makes operation and engine speed adjustment much easier.

Easy Scraping Toward the Machine

The distance between the blade and bucket teeth has been optimized for easy scraping toward the machine.

Large Vertical Pin and Steel Bushing

A large vertical pin and steel bushing are used at the boom foot for improved durability. An abrasion-resistant steel bushing further improves service life.

Attachment Selector Valve

Allows the operator to switch between one-way (Breaker) and two-way auxiliary hydraulic flow (Thumb).

Strengthened Boom Cylinder Guard

A strengthened boom cylinder guard helps protect the boom cylinder from damage.

Working Light on Boom

A working light for work equipment is located at the boom base for better protection.

Working Light on Canopy or Cab

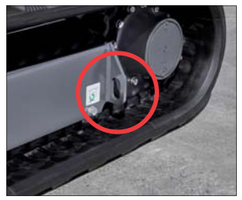
A working light provides good illumination working at night.

Canopy

Cab

Large Transport Tie Down Points

Large transport tie down points are provided on the track frame and blade for securing the machine during transport.



COMFORTABLE FEATURES

The photo shows North American specification.

Standard Accessories

12 V external power outlet

Accessory case

Wrist rest

Large cup holder (For canopy)

Spacious and Comfortable Operator's Compartment

The two-post canopy provides spacious leg room and a wide forward view without blind spots. The newly designed high-quality interior and semi-high back reclining seat help keep the operator comfortable.

Seat with a semi-high back

OPTIONAL ENCLOSED CAB

Newly Designed Cab Provides Excellent Visibility and Wide Operator Space.

Visibility is improved by employing large-sized flat glass. Width is also increased to realize wide operator space. This cab conforms to ROPS (ISO 3471) and OPG (Top guard) Level I (ISO 10262).

Rear left of cab protrudes from track by 00 mm (PC45MR-5) or 00 mm (PC55MR-5) when upper structure swings.

Newly designed large-sized door

Cab entrance area is increased 17% (Compared with Komatsu's current models) by employing newly designed large-sized door.

PC55MR-5

The photo shows Japanese specification.

Standard Accessories for Cab

Sliding window glass (Right side)

Front window with power assist

Rear view mirrors

Cup holder (For cab)

Reinforced front glass

Heater with fresh air input

Escape hammer/ Room lamp/Hanger

Optional Accessories for Cab

Large-capacity air conditioner with fresh air filter

The large-capacity air conditioner, high defrosting performance, and optimum air outlet design keep a comfortable environment in the cab all year round.

Ashtray

Additional working light

MAINTENANCE FEATURES

WIDE OPENING ENGINE DOOR & SIDE COVERS / TILT-UP OPERATOR COMPARTMENT

Wide Cover for Daily Inspection and Tilt-up Floor for Major Maintenance

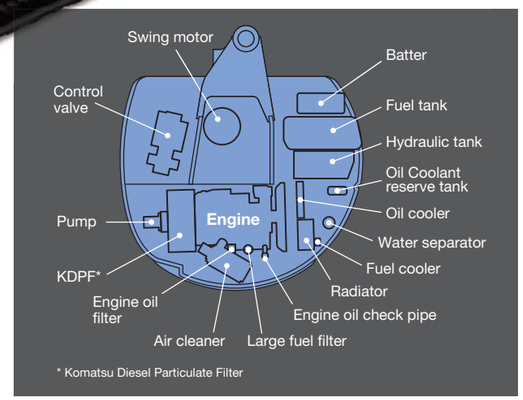
The side opening engine hood and large side cover provides easy access for daily inspection. The cab floor and operator compartment can be tilted up together for major maintenance.

Tilt-up floor mechanism and full-open cover for the canopy model (PC45MR-5)

The photo shows Japanese specification.

Side-by-side cooling

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



* Komatsu Diesel Particulate Filter

Large fuel fill port

Allows easy fuel filling.

Large fuel filter and fuel pre-filter with water separator

A large filter with enhanced filtering performance is used. The fuel pre-filter with a water separator removes water and dirt in fuel to prevent fuel system troubles.

Large fuel filter

Fuel pre-filter (With water separator)

Washable floormat

The washable floormat with flange is easy to clean.

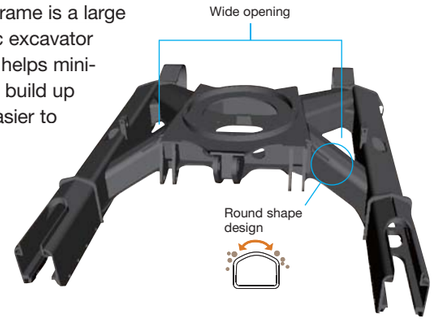
Long-life oil, filter

Long-life oil and a high-performance filter are used. The replacement interval for the engine oil and engine oil filter is 500 hours, and those for the hydraulic oil and hydraulic oil filter are 2,000 hours and 1,000 hours, respectively. These long replacement intervals reduce costs and contribute to effective use of resources.

Hydraulic oil filter

High strength X-track frame

X-track frame is a large hydraulic excavator concept helps minimize dirt build up and is easier to clean.

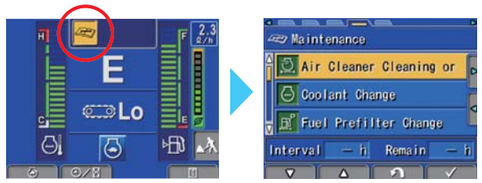


Maintenance Information Is Displayed in a Simple Format on the Monitor

"Maintenance time caution lamp" display

When the remaining time to maintenance becomes less than 30 hours*, the maintenance time monitor appears. Pressing the key switches the monitor to the maintenance screen.

* The setting can be changed within the range between 10 and 200 hours.

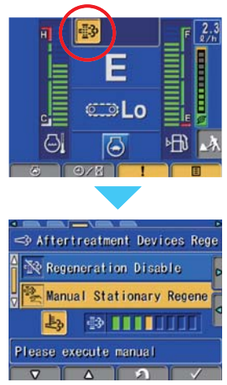


Maintenance screen

Manual stationary regeneration

When it is necessary to carry out a manual stationary regeneration of the KDPF*, the operator can easily accomplish this through monitor screen. A soot level indicator is displayed to show how much soot trapped in the KDPF*.

* Komatsu Diesel Particulate Filter



Aftertreatment device regeneration screen

Tilt-up floor mechanism and full-open cover for the cab model (PC55MR-5)

The photo shows Japanese specification.

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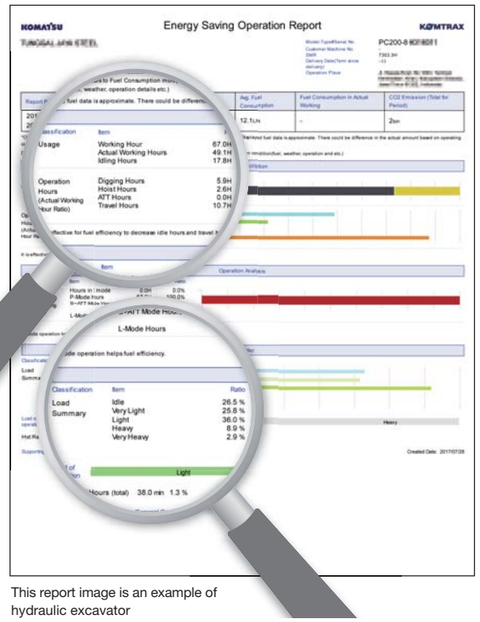
The Komatsu remote monitoring and management technology provides insightful data about your equipment and fleet in user-friendly format.

Energy Saving Operation Report

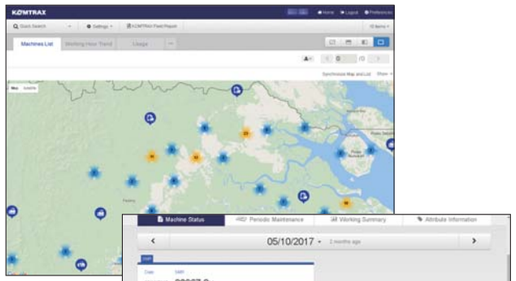
KOMTRAX delivers the energy-saving operation report based on the operating information such as fuel consumption, load summary and idling time, which helps you efficiently run a business.



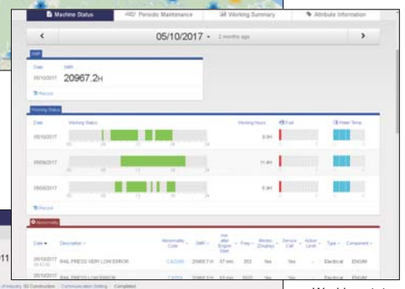
This report image is an example of hydraulic excavator

Equipment Management Support

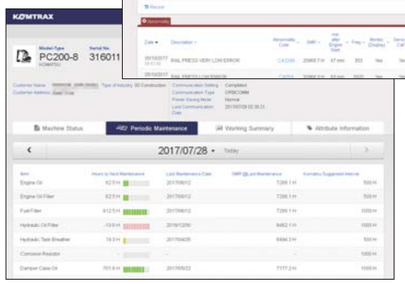
Through the web application, a variety of search parameters are available to quickly find information about specific machines based on key factors. Moreover, KOMTRAX finds out machines with problems from your fleet and shows you through an optimal interface.



Location



Working status



Periodic maintenance

The report contents and data depend on the machine model.

Optimal Strategy for Efficient Work

The detailed information that KOMTRAX puts at your fingertips helps you manage your fleet conveniently on the web anytime, anywhere. It gives you the power to make better daily and long-term strategic decisions.

SPECIFICATIONS

ENGINE

Model	Komatsu 4D88E-7
Type	Water-cooled, 4-cycle direct injection
Aspiration	Cooled EGR
Number of cylinders	4
Bore	88 mm
Stroke	90 mm
Piston displacement	2.189 L
Horsepower:	
SAE J1995	Gross 29.1 kW 39 HP
ISO 9249 / SAE J1349	Net 28.3 kW 38 HP
Rated rpm	2400 min^{-1}
Fan drive method for radiator cooling	Mechanical
Governor	All-speed control, electronic

U.S. EPA Tier 4 Final and EU Stage 3A emissions certified.

HYDRAULICS

Type	Hydraulic Mechanical Intelligence New Design (HydrauMind)
Number of selectable working modes	2
Main pump:	
Pumps for	Boom, arm, bucket and travel circuits
Type	Variable displacement, axial piston
Maximum flow	153.3 L/min
Pumps for	Swing and blade
Type	Fixed displacement gear
Maximum flow	63 L/min
Hydraulic motors:	
Travel	2 x axial piston motors with parking brake
Swing	1 x axial piston motor with swing holding brake
Relief valve setting:	
Implement circuits	26.5 MPa 270 kg/cm^2
Travel circuit	26.5 MPa 270 kg/cm^2
Swing circuit	21.6 MPa 220 kg/cm^2
Pilot circuit	3.14 MPa 32 kg/cm^2
Blade circuits (Raise, Lower)	21.6 MPa 000 kg/cm^2
Hydraulic cylinders:	
(Number of cylinders – bore x stroke x rod diameter)	
Boom	1–90 mm x 691 mm x 50 mm
Arm (PC45MR-5)	1–80 mm x 649 mm x 50 mm
(PC55MR-5)	1–85 mm x 733 mm x 55 mm
Bucket (PC45MR-5)	1–70 mm x 580 mm x 45 mm
(PC55MR-5)	1–75 mm x 580 mm x 50 mm
Boom swing (PC45MR-5)	1–90 mm x 630 mm x 50 mm
(PC55MR-5)	1–95 mm x 630 mm x 50 mm
Blade	1–110 mm x 140 mm x 50 mm

DRIVES AND BRAKES

Steering control	Two levers with pedals
Drive method	Hydrostatic
Maximum drawbar pull	42 kN 4280 kg
Gradeability	30°
Maximum travel speed: High	4.6 km/h
(Auto-shift) Low	2.6 km/h
Service brake	Hydraulic lock
Parking brake	Mechanical disc brake

SWING SYSTEM

Drive method	Hydrostatic
Swing reduction	Planetary gear
Swing circle lubrication	Grease-bathed
Service brake	Hydraulic lock
Swing lock	Mechanical disc brake
Swing speed	9 min^{-1}

UNDERCARRIAGE

Center frame	X-frame
Track frame	Box-section
Seal of track	Sealed track
Track adjuster	Hydraulic
Number of shoes (Each side)	39
Number of carrier rollers (Each side)	1
Number of track rollers (Each side)	4

COOLANT AND LUBRICANT CAPACITY (REFILL)

Fuel tank	65 L
Coolant	8.9 L
Engine	8.1(7.5) L
Final drive (Each side)	0.7 L
Hydraulic tank	55(20) L

OPERATING WEIGHT (APPROXIMATE)

Operating weight including 2640 mm (PC45MR-5), 2900 mm (PC55MR-5) one-piece boom, 1375 mm (PC45MR-5), 1640 mm (PC55MR-5) arm, ISO 7451 heaped 0.14 m^3 (PC45MR-5), 0.16 m^3 (PC55MR-5) bucket, blade, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

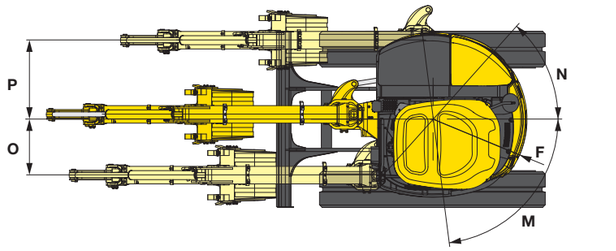
	PC45MR-5			
	ROPS Canopy, Rubber Shoe		ROPS Cab, Rubber Shoe	
Shoes	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
400 mm	4860 kg	26.4 kPa 0.27 kg/cm^2	4980 kg	27.3 kPa 0.28 kg/cm^2

	PC55MR-5			
	ROPS Canopy, Rubber Shoe		ROPS Cab, Rubber Shoe	
Shoes	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
400 mm	5140 kg	28.9 kPa 0.29 kg/cm^2	5260 kg	29.5 kPa 0.30 kg/cm^2

DIMENSIONS

Model			PC45MR-5	PC55MR-5
Boom Length			2640 mm	2900 mm
Arm Length			1375 mm	1640 mm
A	Overall length		5220 mm	5550 mm
B	Overall height	Canopy	2550 mm	2550 mm
		Cab	2590 mm	2590 mm
C	Overall width		1960 mm	1960 mm
D	Ground clearance, counterweight		610 mm	610 mm
E	Ground clearance (minimum)		290 mm	290 mm
F	Tail swing radius		1040 mm	1120 mm
G	Track length on ground		2000 mm	2000 mm
H	Track length		2520 mm	2520 mm
I	Track gauge		1560 mm	1560 mm
J	Shoe width		400 mm	400 mm
K	Machine upper width		1835 mm	1835 mm
L	Distance, swing center to rear end		1265 mm	1265 mm
M/N	Boom swing angle deg.		LH85/RH50	LH85/RH50
O	Bucket offset LH		630 mm	630 mm
P	Bucket offset RH		880 mm	880 mm

With rubber shoe



BACKHOE BUCKET

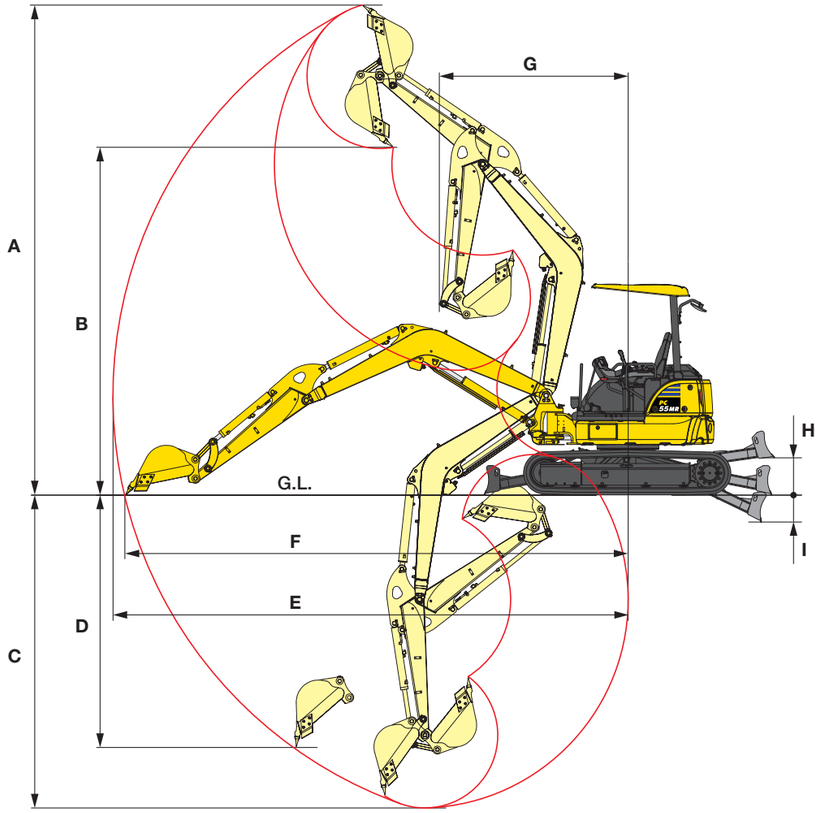
Bucket Capacity (Heaped)		Width		Weight	Number of Teeth	PC45MR-5	PC55MR-5
ISO 7451, PCSA	CECE	Without Side Cutters	With Side Cutters	With Side Cutters			
0.055 m³	0.05 m³	300 mm	370 mm	89 kg	3	○	○
0.11 m³	0.10 m³	425 mm	500 mm	94 kg	3	○	○
0.14 m³	0.13 m³	525 mm	600 mm	109 kg	4	●	X
0.16 m³	0.14 m³	580 mm	650 mm	110 kg	4	○	●
0.18 m³	0.16 m³	625 mm	700 mm	121 kg	5	X	○

● : Standard equipment ○ : Optional equipment X : Not available

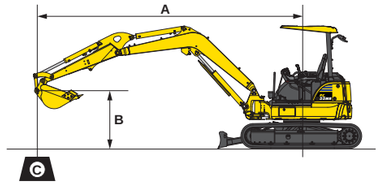
WORKING RANGE

Model		PC45MR-5	PC55MR-5
Boom Length		2640 mm	2900 mm
Arm Length		1375 mm	1640 mm
A	Maximum digging height	5500 mm	5915 mm
B	Maximum dumping height	3775 mm	4200 mm
C	Maximum digging depth	3300 mm	3770 mm
D	Maximum vertical wall digging depth	2730 mm	3030 mm
E	Maximum digging reach	5735 mm	6220 mm
F	Maximum digging reach at ground	5575 mm	6075 mm
G	Minimum swing radius (When boom swing)	2290 (1760) mm	2285 (1760) mm
H	Maximum blade lift	430 mm	430 mm
I	Maximum blade depth	330 mm	330 mm
ISO 6015 Rating	Bucket digging force	33.9 kN 3460 kg	39.0 kN 3980 kg
	Arm crowd force	20.3 kN 2070 kg	23.9 kN 2440 kg

With rubber shoe



LIFTING CAPACITY WITH LIFTING MODE



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

PC45MR-5 Canopy Boom : 2640 mm Arm : 1375 mm Bucket : 0.14 m³ ISO 7451 heaped Shoe width : 400 mm Rubber shoe Blade on ground						
A / B	Maximum		3.0 m		2.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs
3.0 m	925 kg	565 kg	—	—	—	—
2.0 m	930 kg	465 kg	1240 kg	1075 kg	—	—
1.0 m	1010 kg	430 kg	1895 kg	975 kg	—	—
0 m	1150 kg	435 kg	2295 kg	915 kg	1205 kg	1205 kg
-1.0 m	1245 kg	495 kg	2305 kg	900 kg	2500 kg	1755 kg

PC55MR-5 Canopy Boom : 2900 mm Arm : 1640 mm Bucket : 0.16 m³ ISO 7451 heaped Shoe width : 400 mm Rubber shoe Blade on ground						
A / B	Maximum		3.0 m		2.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs
3.0 m	830 kg	530 kg	—	—	—	—
2.0 m	865 kg	450 kg	1170 kg	1170 kg	—	—
1.0 m	915 kg	420 kg	1825 kg	1095 kg	—	—
0 m	975 kg	425 kg	2225 kg	1020 kg	1265 kg	1265 kg
-1.0 m	1045 kg	465 kg	2265 kg	1000 kg	2445 kg	1945 kg

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.

The photo shows Japanese specification.

STANDARD EQUIPMENT

ENGINE
- Air cleaner, double element with auto dust evacuator
- Cooling fan, suction type

ELECTRICAL SYSTEM
- Alternator, 12 V/55 A
- Auto-decelerator
- Battery, 1 x 12 V/72 Ah
- Starting motor 12 V/1.7 kW
- Working light on boom
- Working light on canopy or cab

HYDRAULIC SYSTEM
- Auxiliary hydraulics with selector valve

GUARDS AND COVERS
- Fan guard structure
- Thermal guard

UNDERCARRIAGE
- Shoes
  - 400 mm rubber shoe

OPERATOR ENVIRONMENT
- 1 x 12 V power supply
- Automatic two-speed travel control
- High resolution 3.5" LCD color monitor
- Lock lever auto lock function
- Rear view mirrors (RH, LH, rear)
- Retractable seat belt, 50 mm
- Suspension seat
- Travel alarm
- Two-post ROPS (ISO 3471) canopy

WORK EQUIPMENT
- Arm
  - 1375 mm arm assembly with piping (PC45MR-5)
  - 1640 mm arm assembly with piping (PC55MR-5)
- Backfill blade
- Boom
  - 2640 mm boom assembly with piping (PC45MR-5)
  - 2900 mm boom assembly with piping (PC55MR-5)

OTHER EQUIPMENT
- Auto idle shutdown function
- KOMTRAX
- Swing holding brake

OPTIONAL EQUIPMENT

HYDRAULIC SYSTEM
- Pattern change valve (ISO - backhoe)

UNDERCARRIAGE
- Shoes
  - 400 mm road liner shoe
  - 400 mm steel shoe

OPERATOR ENVIRONMENT
- Cab
  - Heater with defroster (Standard)
  - Air conditioner with defroster (Optional)
  - Working light, left side (Standard)
  - Additional working light, right side (Optional)
  - AM/FM radio & auxiliary input (3.5 mm jack) ready (Optional)
- Proportional switch (For attachment line)
- Retractable seat belt, 78 mm

WORK EQUIPMENT
- Wide variety of attachments

OTHER EQUIPMENT
- Battery disconnect switch

AUSTRALIAN - NZ SPECIFICATIONS

ENGINE
- Air pre-cleaner

HYDRAULIC SYSTEM
- Pattern change valve (ISO - backhoe)

OPERATOR ENVIRONMENT
- Cab
  - Air conditioner with defroster
  - Two front working lights
  - AM/FM radio & auxiliary input (3.5 mm jack)
- Proportional switch (For attachment line)
- Retractable seat belt, 78 mm

OTHER EQUIPMENT
- Quick coupler unit