



PC45MR-5/PC55MR-5

Compact hydraulic excavator



Net horsepower

38 HP (28.3 kW) @ 2,400 rpm

Operating weight

With canopy

PC45MR-5: 10,737 lbs. (4,870 kg)

PC55MR-5: 11,354 lbs. (5,150 kg)

With cab

PC45MR-5: 11,001 lbs. (4,990 kg)

PC55MR-5: 11,618 lbs. (5,270 kg)

Blade capacity

PC45MR-5: 0.07–0.21 yd³ (0.055–0.16 m³)

PC55MR-5: 0.07–0.24 yd³ (0.055–0.18 m³)



Photos in this brochure may show optional equipment.

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Maximum digging depth

PC45MR-5: 12'0" (3,670 mm)

PC55MR-5: 12'6" (3,800 mm)

8' level bottom digging depth

PC45MR-5: 10'7" (3,235 mm)

PC55MR-5: 10'8" (3,295 mm)

Performance and versatility

- Standard auxiliary hydraulics
- Standard thumb mounting bracket
- Three track options: rubber, steel or roadliner
- Automatic two-speed travel
- ISO/SAE pattern change valve

New engine and hydraulic technology

Improves operational efficiency and lowers fuel consumption by up to 5%.*



A powerful Komatsu 4D88E-7 engine provides a net output of 38 HP (28.3 kW). This engine is EPA Tier 4 Final emissions certified.

Hinged door design that provides easier cab entry, exit and improved visibility.

Komatsu Diesel Particulate Filter (KDPF) reduces particulate matter and is seamless to the operator. No DEF is required.

Komatsu's closed-center load sensing system (CLSS) provides quick response and smooth operation to maximize productivity.

Power and economy modes better match the duty cycle to the application.

Large LCD color monitor panel

- 3.5" high-resolution screen
- Provides ecology guidance for fuel efficient operation
- Enhanced attachment control
- Seat belt indicator

Equipment management monitoring system (EMMS)

continuously monitors machine operation and vital systems to identify machine issues and assist with troubleshooting.

Enhanced working environment

- Mid back, suspension operator seat
- Integrated ROPS cab design (ISO 3741:2008)
- Cab meets ISO Level 1 operator protective guard (OPG) top guard (ISO 10262)
- Aux jack and 12 V outlet
- Radio-ready cab

Minimum swing radius with swing boom allows the PC45MR and PC55MR to fit in confined spaces at job sites.

Wide access service doors provide easy access for ground-level maintenance.

Standard auxiliary piping for attachments

Manual selector valve allows the operator to switch between one-way (breaker) and two-way (thumb) flow.

Standard thumb mounting bracket

Chevron-shaped boom cylinder guard provides additional protection.

High-strength X-track frame for easy cleaning.

Large diameter swing pin for added durability.

Convenient access for maintenance and daily checks.

Tilt-up cab or platform for added accessibility.

Komatsu auto idle shutdown

Auto idle lowers fuel consumption.

Komatsu telematics solutions help you collect and analyze telematics data efficiently so you can use it to drive results for business operations. We've designed a system that makes it easy to collect, visualize and monitor telematics data from both Komatsu machines and other OEM machines.

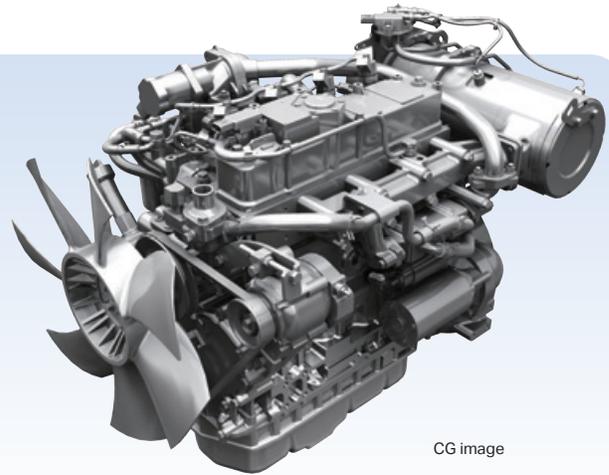
My Komatsu, our comprehensive digital portal, analyzes telemetric data from your on-machine technology — Komtrax and Komtrax Plus, or ISO API 15143-3 (AEMP 2.0) data from other OEMs — and displays it on easy-to-read dashboards. Now you can finally get the powerful analytics you need to manage your costs and enhance your fleet's efficiency without a complicated process or expensive third-party solutions.

* All comparisons are to the prior model, unless otherwise stated.

Performance features

U.S. EPA Tier 4 Final emission regulations-certified engine

The PC45MR-5 and PC55MR-5 are equipped with a clean engine that complies with the EPA Tier 4 Final emission regulations. The engine uses proven environment-friendly technologies, such as an exhaust gas aftertreatment system, an electronically controlled cooled exhaust gas recirculation (EGR) system, and an 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)

A special catalyst with fuel injection system is used to oxidize and remove particulate matter (PM) deposited in the filter automatically through a process called regeneration. This is a seamless operation.

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 a computer for maximum combustion to reduce PM and fuel consumption.

Electronic control system

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

Fuel consumption

Reduced up to 5%

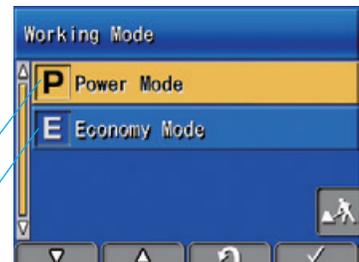
Comparison with Komatsu's current models.

The average working pattern is analyzed by Komtrax. 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.

Working mode selection

Power (P) mode for heavy workloads and economy (E) mode for lower fuel consumption. Both can be chosen easily on the monitor panel to match performance to the application.

For heavy workloads
P mode
For lower fuel consumption
E mode



Selection screen of two working modes

Ecology gauge and fuel consumption gauge assist in energy-saving operation

The monitor screen is equipped with an ecology and fuel consumption gauge. In addition, the operator can set any desired target value of fuel consumption (within the range of the green display), enabling the machine to improve fuel economy.

Fuel consumption gauge



Auto-decelerator

Ecology gauge

Auto idle shutdown function provided as standard

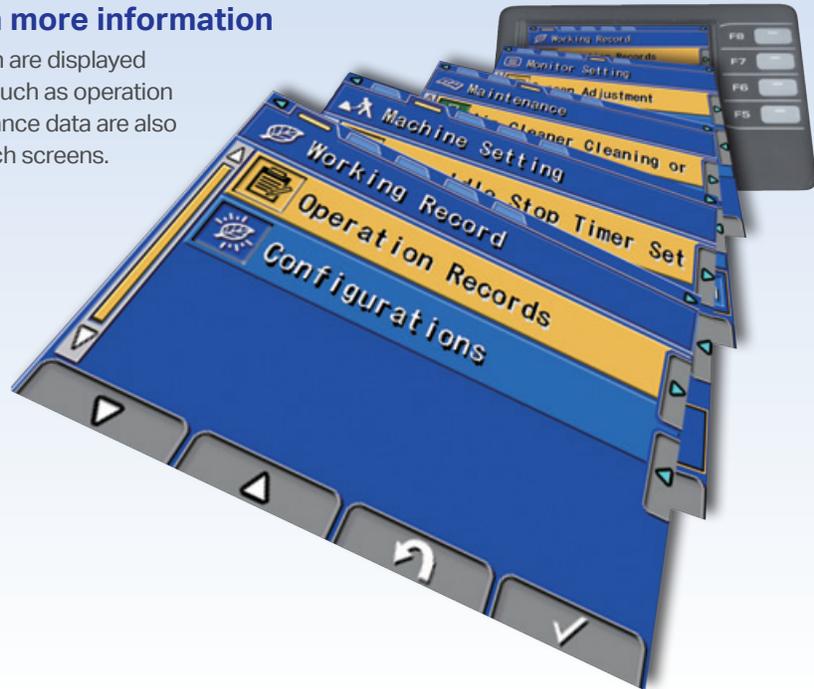
Auto deceleration and auto idle shutdown functions are provided as standard. The auto-deceleration function automatically reduces the engine speed a few seconds after the work equipment lever is moved to the neutral position. The auto idle shutdown function* automatically stops the engine after a preset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

* Default setting is OFF.

Monitor panel

Multifunction monitor with more information

Various alerts and machine information are displayed in a simple format. Useful information such as operation records, machine setting and maintenance data are also provided. The operator can easily switch screens.



High-definition 3.5" LCD color monitor provides excellent visibility

The high-definition LCD color monitor offers excellent visibility even when viewed in bright light and from off center.

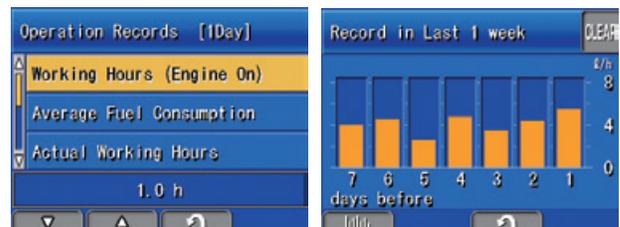


Indicators, basic operation switches

- | | |
|---|---------------------------|
| 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 |
| 6 Engine coolant temperature gauge | 13 Ecology gauge |
| 7 Service meter, clock | 14 Guidance icons |
| | 15 Function switches |

Operation and fuel economy records

Operation and fuel economy records can be checked on the monitor to support operator training and coaching.



Operation record

Fuel economy record



Operator environment

Two-post canopy compliant with ROPS and OPG Level 1 (top guard)

Equipped with a steel roof, two-post canopy that is ROPS and OPG Level 1 certified, as well as a retractable seat belt, for extra operator peace of mind.

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

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 two-post canopy provides excellent forward visibility

There are no canopy structures in front of or to the side of the operator to impede vision to the digging area.



Engine shut down secondary switch

Engine stop switch added as a secondary way to stop the engine.



Seat belt caution indicator

A warning light on the monitor appears when the seat belt is not worn.



Extra-small swing radius operation in confined areas

The extra-small swing radius with minimum rear protrusion from the tracks (2.3 in (60 mm) for PC45MR-5 and 5.5 in (140 mm)) for allows the operator to concentrate on work in confined areas.

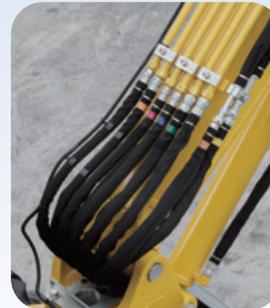
Retractable seat belt



Other equipment

Hydraulic hose covers

Hoses between the machine and boom are covered by protective hose wrap.



Reflectors



Thermal guard

Fan guard

Accumulator

Travel alarm

Durability and convenience features



Automatic travel speed

The automatic travel speed shift function allows smooth and efficient operation. Pressing a speed selector button on the blade lever chooses auto 2 speed or fixed 1st-speed travel for easy shifting during blade operation.



Travel speed button

Dial-type fuel control

The dial-type fuel control makes operation and engine speed adjustment simple.



Large vertical pin and steel bushing

A large vertical pin and durable abrasion-resistant steel bushing are used at the boom foot. This helps reduce maintenance over the life of the machine.



Manual selector valve

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



More protection

Chevron-shaped boom cylinder guard provided

This design reduces damage to the cylinder caused by interference of the breaker, hitting the dump truck, etc.

Working lamp on boom bottom

A working lamp for work equipment is provided on the boom bottom for greater protection.



Travel lamp is standard

This travel lamp provides increased illumination and visibility during night operation and while traveling.



Canopy



Cab

Large tiedown openings for securing the machine

Large openings for securing the machine are provided on the track frame and blade, allowing quick and secure transportation of machines.



Comfort features



Spacious and comfortable operator's compartment

The two-post canopy provides an uninterrupted wide field of view. A high-quality interior with well-placed controls and a semi-high back reclining seat provides a comfortable operator work environment.

Standard accessories

Seat with a semi-high back



Wrist rest



Accessory tray



Large cup holder (for canopy)



12V external power outlet



Optional enclosed cab

Large optional cab provides a comfortable operator environment

The quiet and comfortable, large, rounded cab complies with the ROPS and OPG (top guard level 1) standards.

Front window with power assist



Cup holder (for cab)



Large-capacity air conditioner

The large-capacity air conditioner, superb defrost performance, and optimum air outlet design provide a comfortable environment in the cab all year round.



Sliding window glass (right side)



Auxiliary input jack



Heater with fresh air vent

Radio ready (standard)
AM/FM radio (optional)



Maintenance features

Fully opening engine doors and side cover/ tilt-up operator compartment

Efficient and effective maintenance with wide access for daily inspection and a tilt-up floor for major service work

The side opening engine hood and large side cover provide easy access for daily inspections. The cab or platform can be tilted up together with the operator's seat to gain access for major maintenance or repair work.



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

Optimized design offers easy maintenance and maximum uptime

Side-by-side cooling

Radiator and oil cooler are arranged side by side to simplify cleaning, removing and installing. (canopy version shown)



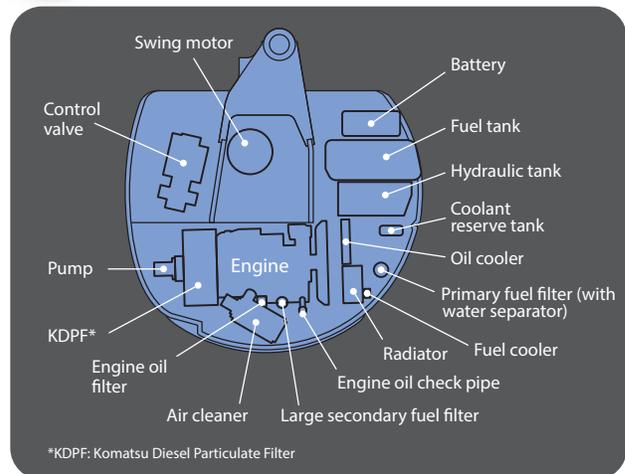
Large oil filler port

Allows easy oil filling.



Washable cab floor mat

Washable floor mat with edge makes it easy to keep clean.



Large fuel filter and fuel pre-filter with water separator protect your investment

A large filter with enhanced filtering performance comes standard. The fuel pre-filter with a water separator removes water and dirt in the fuel.



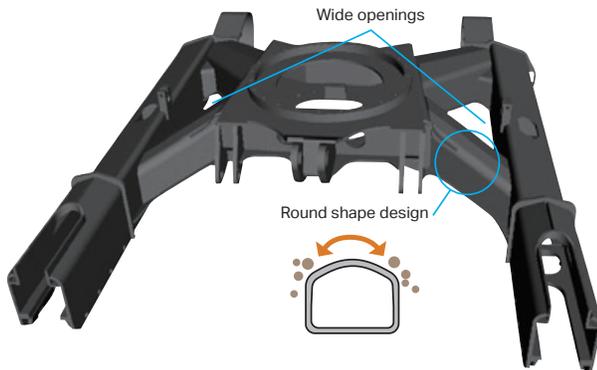
Large secondary fuel filter



Primary fuel filter (with water separator)

High-strength carbody

An "X" style carbody incorporates Komatsu large excavator experience to provide a high-strength undercarriage with wide openings to simplify track roller frame clean out.

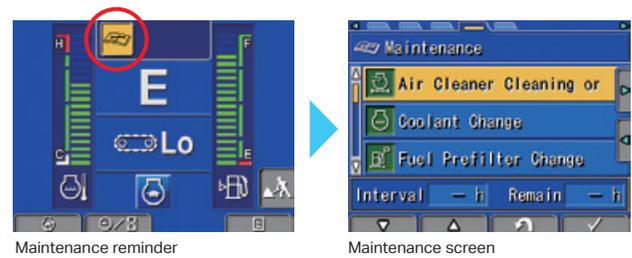


Useful maintenance information displayed in a simple format on the monitor

"Maintenance time caution lamp" display

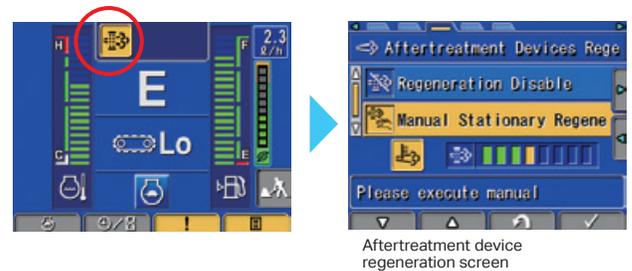
When the time before maintenance dips under 30 hours*, the maintenance time monitor appears. Pressing the F6 key switches the monitor to the maintenance screen.

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



KDPF regeneration notification

The LCD color monitor panel provides the operator with status of the KDPF regeneration, without interfering with daily operation.



Long-life oil filter

The engine oil and engine oil filter replacement interval is 500 hours. Intervals for hydraulic oil and hydraulic oil filters are 2,000 hours and 1,000 hours, respectively. These long replacement intervals reduce costs and maximize uptime.



Hydraulic oil filter (Ecology White Plus element)



Tilt-up platform and wide opening doors for the cab model (PC55MR-5)

Komatsu helps you bring it all together

Get the most out of your fleet on My Komatsu

We've designed a portal that makes it easy to collect, visualize and monitor data for both Komatsu machines and other OEM machines. My Komatsu also gives you one easy source for accessing manuals and purchasing parts for your machines.

- Quickly collect, view and manage intuitive data displays in one location
- Help keep costs under control
- Benchmark machine performance and track fuel consumption
- Monitor for theft and unauthorized use
- Receive timely maintenance alerts



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Data

Telematics data is generated by on-machine technology.



Storage

Telematics data flows into data storage. ISO 15143-3 (AEMP 2.0) facilitates the extraction and raw data to your choice of databases.



Connection

Choose how you want to connect and view your data. Go to multiple systems, send to a third party, or easily connect it all through My Komatsu.



Analytics

My Komatsu connects telematics data from Komatsu and non-Komatsu equipment and creates powerful analytics dashboard views.

mykomatsu.komatsu

Connect your machines to Smart Construction to optimize your job sites

Your projects depend on robust data that is easily shared, replicated, updated and — most important of all — correct.



Take a step toward a digital transformation of your job sites with Komatsu's suite of Smart Construction solutions, where advanced automation and integrated technologies intersect to help you:

- Track costs of labor, machines and materials
- Receive real-time insights straight from the field
- Enhance workflow with fully integrated data
- Visualize your data for actionable results
- Quickly map your job site
- Attract and retain talent



Not sure where to begin? Komatsu-certified solution experts are available on the phone, online or at your job site to help you navigate and thrive along your digitalization journey.

komatsu.com/smart-construction

Komatsu extended maintenance and repair program

Simplify the complexities of machine owning and operating costs and enhance the value of your equipment with Komatsu's extended warranty coverage program and take advantage of attractive financing options. Solutions that fit your needs and ease your mind.



Komatsu Care Advantage Warranty

Extended warranty

Protect your equipment in the event a covered component fails due to a defect in material or workmanship. Repairs are performed by Komatsu-trained experts using Komatsu genuine parts.

komatsu.com/maintenance-repair

Komatsu Financial

Financial services built for your business success.

komatsu.com/financing

Komatsu Genuine Parts

Engineered to help extend the life of your Komatsu machine. Now available on the My Komatsu parts store.

komatsu.com/parts

Komatsu training

Comprehensive training support — virtually, at our facility or where most convenient.

komatsu.com/training



General specification

Engine*

Model	Komatsu 4D88E-7*		
Type	Water-cooled, 4-cycle, direct injection, cooled EGR		
Aspiration	Naturally aspirated		
Number of cylinders	4		
Bore x stroke	88 mm x 90 mm 3.46" x 3.54"		
Piston displacement	2.19 L 134 in ³		
Horsepower			
SAE J1995	Gross	29.1 kW	39 HP
ISO 9249 / SAE J1349	Net	28.3 kW	38 HP
	Rated rpm	2,400	
Fan drive method for radiator cooling	Mechanical		
Governor	All-speed control, electronic		

*EPA Tier 4 Final emissions certified.

Hydraulics

Type	HydrauMind (Hydraulic Mechanical Intelligence New Design) system		
Number of selectable working modes	2		
Main pumps			
Type Pumps for Maximum flow	Variable displacement piston Boom, arm, bucket and travel circuits 153.3 L/min 40.1 gal/min		
Type Pumps for Maximum flow	Fixed displacement gear Swing and blade 63 L/min 16.6 gal/min		
Auxiliary			
Hydraulic flow Auxiliary relief	70 L/min 18 gal/min 17.2 MPa 2,494 psi		
Hydraulic motors			
Travel Swing	2 x axial piston motor with parking brake 1 x axial piston motor with swing holding brake		
Relief valve setting			
Implement circuits	26.5 MPa 270 kgf/cm ² 3,844 psi		
Travel circuit	26.5 MPa 270 kgf/cm ² 3,844 psi		
Swing circuit	21.6 MPa 220 kgf/cm ² 3,133 psi		
Pilot circuit	3.14 MPa 32 kgf/cm ² 455 psi		
Blade circuit (raise, lower)	21.6 MPa 220 kgf/cm ² 3,133 psi		

Hydraulic cylinders (Number of cylinders – bore x stroke x rod diameter)

Boom	1-90 mm x 691 mm x 50 mm	3.54" x 27.2" x 1.97"
Arm	(PC45MR-5) 1-80 mm x 649 mm x 50 mm	3.14" x 25.6" x 1.97"
	(PC55MR-5) 1-85 mm x 733 mm x 55 mm	3.35" x 28.9" x 2.17"
Bucket	(PC45MR-5) 1-70 mm x 580 mm x 45 mm	2.76" x 22.8" x 1.77"
	(PC55MR-5) 1-75 mm x 580 mm x 50 mm	2.95" x 22.8" x 1.97"
Boom swing	(PC45MR-5) 1-90 mm x 630 mm x 50 mm	3.54" x 24.8" x 1.97"
	(PC55MR-5) 1-95 mm x 630 mm x 50 mm	3.74" x 24.8" x 1.97"
Blade	1-110 mm x 140 mm x 45 mm	4.33" x 5.5" x 1.97"

Drives and brakes

Steering control	Two levers with pedals		
Drive method	Hydrostatic		
Maximum drawbar pull	42 kN 4,280 kgf 9,436 lbf.		
Max digging force			
	PC45MR-5	3,460 kgf	7,621 lbf.
	PC55MR-5	3,980 kgf	8,768 lbf.
Gradeability	30°		
Maximum travel speed (rubber)			
	High	4.6 km/h	2.9 mph
	(Auto-shift) Low	2.6 km/h	1.6 mph
Service brake	Hydraulic lock		
Parking brake	Mechanical disc		

Swing system

Drive method	Hydrostatic
Swing reduction	Planetary gear
Swing circle lubrication	Grease-bathed
Swing brake	Hydraulic lock
Swing lock	Mechanical disc brake
Swing speed	9 rpm

Undercarriage

Center frame	X-frame
Track frame	Box-section
Track type	Sealed
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 (refilling)

Fuel tank	65 L	17.2 U.S. gal
Coolant	8.9 L	2.4 U.S. gal
Engine	8.1 (7.5) L	2.2 (2.0) U.S. gal
Final drive (each side)	0.7 L	0.2 U.S. gal
Hydraulic tank	55 (20) L	14.5 (5.3) U.S. gal

Operating weight (approximate)

Operating weight including 2,640 mm 8'8" (PC45MR-5), 2,900 mm 9'6" (PC55MR-5) one-piece boom, 1,695 mm 5'7" (PC45MR-5), 1,640 mm 5'5" (PC55MR-5) arm, SAE heaped 0.14 m³ 0.18 yd³ (PC45MR-5), 0.16 m³ 0.21 yd³ (PC55MR-5) bucket, blade, rated capacity of lubricants, coolant, full fuel tank, operator and standard equipment.

PC45MR-5

ROPS canopy, rubber belt track 400 mm 16"		ROPS cab, rubber belt track 400 mm 16"	
Operating weight	Ground pressure ISO 16754	Operating weight	Ground pressure ISO 16754
4,870 kg 10,737 lbs.	27.4 kPa 0.28 kg/cm ² 3.98 psi	4,990 kg 11,001 lbs.	28.0 kPa 0.29 kg/cm ² 4.07 psi

PC55MR-5

ROPS canopy, rubber shoe rubber belt track 400 mm 16"		ROPS cab, rubber shoe rubber belt track 400 mm 16"	
Operating weight	Ground pressure ISO 16754	Operating weight	Ground pressure ISO 16754
5,150 kg 11,354 lbs.	28.9 kPa 0.29 kg/cm ² 4.12 psi	5,270 kg 11,618 lbs.	29.6 kPa 0.30 kg/cm ² 4.29 psi

Component weights

	PC45MR-5	PC55MR-5
400 mm 16" Steel tracks	+105 kg 231 lbs.	+105 kg 231 lbs.
400 mm 16" Road liner tracks	+125 kg 275 lbs.	+125 kg 275 lbs.

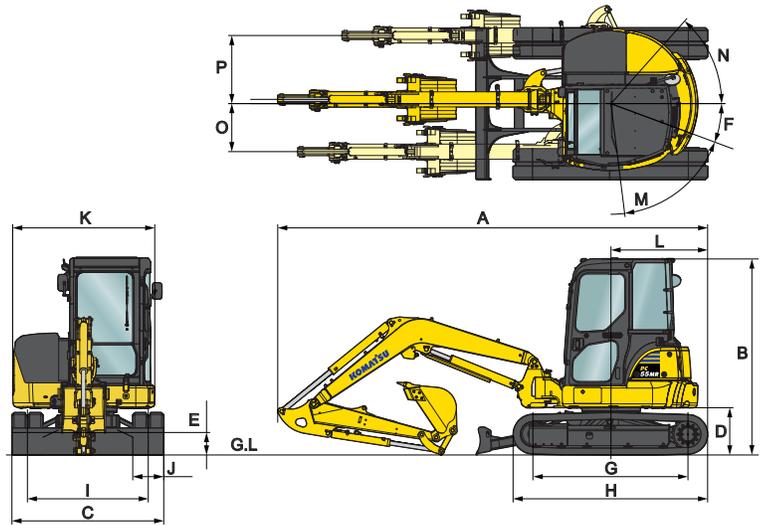
Blade

Width x height (standard blade)	
PC45MR-5	1,960 mm x 355 mm 6'5" x 1'2"
PC55MR-5	1,960 mm x 355 mm 6'5" x 1'2"

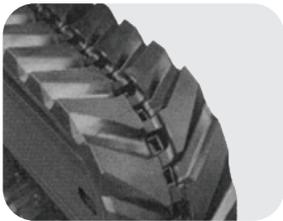
Dimensions

	PC45MR-5		PC55MR-5	
Boom length	2640 mm	8'8"	2900 mm	9'6"
Arm length	1695 mm	5'7"	1640 mm	5'5"
A Overall length	5330 mm	17'6"	5550 mm	18'3"
B Overall height	2550 mm	8'4"	2550 mm	8'4"
C Overall width	1960 mm	6'5"	1960 mm	6'5"
D Ground clearance, counterweight	610 mm	2'0"	610 mm	2'0"
E Ground clearance (minimum)	290 mm	11"	290 mm	11"
F Tail swing radius	1040 mm	3'5"	1120 mm	3'8"
G Track length on ground	2000 mm	6'7"	2000 mm	6'7"
H Track length	2520 mm	8'3"	2520 mm	8'3"
I Track gauge	1560 mm	5'1"	1560 mm	5'1"
J Shoe width	400 mm	1'4"	400 mm	1'4"
K Machine upper width	1835 mm	6'0"	1835 mm	6'0"
L Distance, swing center to end of tracks	1265 mm	4'2"	1265 mm	4'2"
M/N Boom swing angle degrees	LH85°/RH50°		LH85°/RH50°	
O Bucket offset LH	630 mm	2'1"	630 mm	2'1"
P Bucket offset RH	880 mm	2'11"	880 mm	2'11"

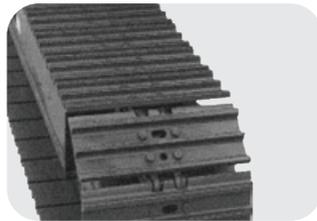
With rubber shoe



Three track versions available



Rubber belt track



Steel

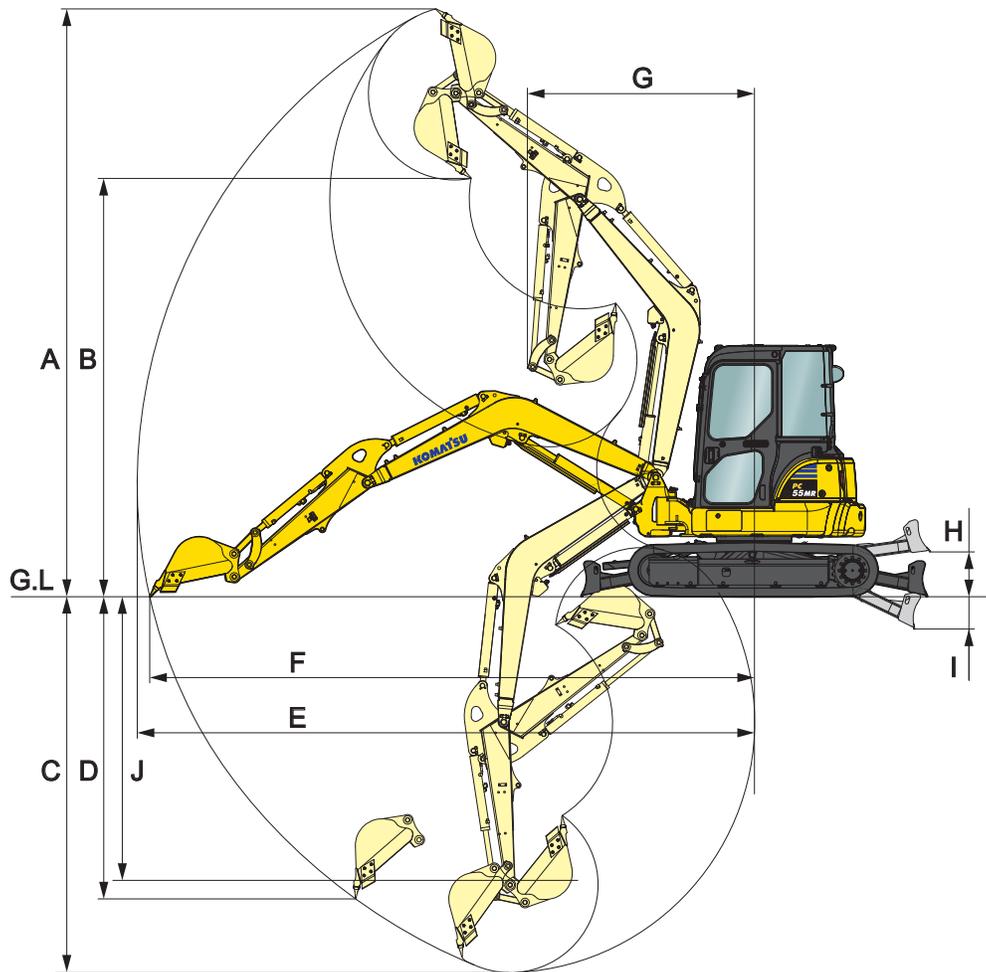


Roadliner



General specification

Working range



		PC45MR-5		PC55MR-5	
	Boom length	2640 mm	8'8"	2900 mm	9'6"
	Arm length	1695 mm	5'7"	1640 mm	5'5"
A	Maximum digging height	5405 mm	17'9"	5575 mm	18'4"
B	Maximum dumping height	3705 mm	12'2"	3890 mm	12'9"
C	Maximum digging depth	3625 mm	11'11"	3770 mm	12'4"
D	Maximum vertical wall digging depth	3070 mm	10'1"	3030 mm	9'11"
E	Maximum digging reach	6040 mm	19'10"	6220 mm	20'5"
F	Maximum digging reach at ground	5895 mm	19'4"	6075 mm	19'11"
G	Minimum swing radius (boom straight ahead)	2465 mm	8'1"	2520 mm	8'3"
	Minimum swing radius (boom articulated)	1905 mm	6'3"	1930 mm	6'4"
H	Maximum blade lift	430 mm	1'5"	430 mm	1'5"
I	Maximum blade depth	330 mm	1'1"	330 mm	1'1"
J	Maximum digging depth of cut for 2,440 mm 8' level floor	3,235 mm	10'7"	3,295 mm	10'8"
ISO 6015 rating	Bucket digging force	33.9 kN 3,460 kg 7,628 lbs.		39.0 kN 3,980 kg 8,774 lbs.	
	Arm crowd force	20.3 kN 2,070 kg 4,564 lbs.		23.9 kN 2,440 kg 5,379 lbs.	

With rubber belt tracks

Lifting capacity with lifting mode: PC45MR-5

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

- Conditions:**
- Boom length: 2,640 mm 8' 8"
 - Arm length: 1,695 mm 5' 7"
 - Bucket: 0.14 m³ 4.94 ft³ SAE heaped
 - Bucket weight: 109 kg 240 lbs.
 - Shoe: 400 mm 16"

- Rubber belt tracks
- Blade on ground

Unit: kg lbs.

B \ A	2.0 m 6.5'		3.0 m 10'		☉ Max	
	Cf	Cs	Cf	Cs	Cf	Cs
3.0 m 10'					745 1640	465 1025
2.0 m 6.5'			1150 2535	1100 2425	755 1660	425 935
1.0 m 3.25'			1655 3645	1010 2225	620 1365	405 890
0 m 0'	1420 3130	1420 3130	2295 5060	950 2090	960 2115	415 910
-1.0 m -3.25'	2430 5355	1805 3975	2350 5180	930 2050	1170 2575	475 1045

*Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Lift capacities shown above are with the specified bucket installed. Different installed attachments will change the stated lift capacities by the net difference in attachment weights. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.

Lifting capacity with lifting mode: PC55MR-5

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

- Conditions:**
- Boom length: 2,900 mm 9' 6"
 - Arm length: 1,640 mm 5' 5"
 - Bucket: 0.16 m³ 5.65 ft³ SAE heaped
 - Bucket weight: 109 kg 240 lbs.
 - Shoe: 400 mm 16"

- Rubber belt tracks
- Blade on ground

Unit: kg lbs.

B \ A	2.0 m 6.5'		3.0 m 10'		☉ Max	
	Cf	Cs	Cf	Cs	Cf	Cs
3.0 m 10'					850 1870	520 1145
2.0 m 6.5'			1330 2930	1205 2655	890 1960	455 1000
1.0 m 3.25'			1975 4350	1095 2410	945 2080	435 955
0 m 0'	1530 3370	1530 3370	2290 5045	1040 2290	1005 2215	445 980
-1.0 m -3.25'	2750 6060	2000 4405	2270 5000	1030 2270	1085 2390	500 1100

*Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Lift capacities shown above are with the specified bucket installed. Different installed attachments will change the stated lift capacities by the net difference in attachment weights. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.



Equipment

Engine

Air cleaner, double element with auto dust evacuator	•
B20 biodiesel fuel lines	•
Cooling fan, suction type	•
Side-by-side cooling package	•

Electrical system

Alternator, 12 V/55 A	•
Auto-decelerator	•
Battery, 1 x 12 V/72 Ah	•
Starting motor 12 V/2.3 kW	•
Working light on boom	•
Working light on cab or canopy	•

Hydraulic system

Auxiliary hydraulics with selector valve	•
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Guards and covers

Fan guard	•
Thermal guard	•

Undercarriage

Shoe, 400 mm 16" rubber belt track	•
Road Liner track, 400 mm 16"	○
Steel track, 400 mm 16"	○

Operator environment

12 V x 1 power supply	•
Automatic two-speed travel control	•
Foot operated auxiliary control	•
Foot operated swing boom control	•
Lock lever auto lock function	•
Monitor panel, 3.5" color display	•
Operator identification function	•
Rear view mirrors (RH, LH, rear)	•
Retractable seat belt, 76 mm 3"	•
Suspension seat (mid height)	•
Travel alarm	•
Travel lamp	•
Two-post ROPS (ISO 3471) canopy	•
Cab with hinged door, air conditioner, radio ready, auxiliary input (3.5 mm jack) ready	○
Proportional control joysticks	○
Level 1 mesh front screen (cab only)	○
Level 1 mesh front screen field installation kit (cab only)	○

Other equipment

Auto idle shutdown function	•
Komtrax level 5 - cellular based	•
Swing holding brake	•

Work equipment

Arms	•
1,695 mm 5'7" arm assembly with piping (PC45MR-5)	
1,640 mm 5'5" arm assembly with piping (PC35MR-5)	
Backfill blade	•
Hydraulic angle blade	○
Booms	•
2,640 mm 8'8" boom assembly with piping (PC45MR-5)	
2,900 mm 9'6" boom assembly with piping (PC55MR-5)	
Hydraulic breaker	○
Mechanical quick coupler	○
Wide variety of attachments	○



Ditching grading bucket



Pavement removal bucket



Hydraulic thumb



Coupler



Coral rock bucket



Cemetery/bellhole bucket



Heavy-duty bucket



Tilting D-G bucket

For a complete list of available attachments, please contact your local Komatsu distributor. Komatsu program items shown. Distributor attachments may vary.

Standard equipment •

Optional equipment ○

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