

# KOMATSU®

## PC30MR-5 PC35MR-5

Tier 4 Final Engine

### COMPACT HYDRAULIC EXCAVATOR



Photos may include optional equipment.

#### NET HORSEPOWER

PC30MR-5 PC35MR-5  
24.4 HP @ 2200 rpm  
18.2 kW @ 2200 rpm

#### OPERATING WEIGHT

WITH CANOPY  
PC30MR-5: 6,505 lb 2950 kg  
PC35MR-5: 7,993 lb 3625 kg  
WITH CAB  
PC30MR-5: 6,836 lb 3100 kg  
PC35MR-5: 8,324 lb 3775 kg

#### BUCKET CAPACITY

PC30MR-5: 0.07–0.21 yd<sup>3</sup> 0.055–0.16 m<sup>3</sup>  
PC35MR-5: 0.07–0.24 yd<sup>3</sup> 0.055–0.18 m<sup>3</sup>

# PC30/35MR

# WALK-AROUND

PC30/35MR



Photos may include optional equipment.

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## DIG DEPTH

PC30MR-5: 7'1" 2760 mm  
PC35MR-5: 11'4" 3455 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 **Komatsu 3D88E-7 engine** provides a net output of 18.2 kW **24.4 HP** and is EPA Tier 4 Final emissions certified.

**Komatsu Diesel Particulate Filter (KDPF)** reduces particulate matter and provides automatic regeneration that does not interfere with daily operation. **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.

### New Large LCD color monitor panel

- 3.5" high resolution screen
- Provides "Ecology Guidance" for fuel efficient operation
- Enhanced attachment control
- Seat belt indicator
- Maintenance information

**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)

**Minimum Swing Radius** with swing boom allows the PC30MR and PC35MR to fit in confined spaces at jobsites.

**Proportional Pilot Controlled (PPC) joysticks** provide fine control and smooth operation.

### Standard auxiliary hydraulic circuit 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 boom swing pin** for added durability.

### Convenient access

- Large swing open door on cab
- Wide service doors for ground level service access
- Tilt up cab or canopy for easy service

**Komatsu Auto Idle Shutdown** helps reduce nonproductive engine idle time and reduces operating costs.

**KOMTRAX®** equipped machines can send location, SMR and operation maps to a secure website or smart phone utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel levels, fuel consumption, and much more.

**Auto Idle** lowers fuel consumption.

\* Thumb is not standard \*\* All comparisons are to the prior model, unless otherwise stated.



## ENGINE

Model..... Komatsu 3D88E-7\*  
 Type..... Water-cooled, direct injection  
 Number of cylinders..... 3  
 Bore..... 88 mm **3.46"**  
 Stroke..... 90 mm **3.54"**  
 Piston displacement..... 1.642 ltr **100.2 in<sup>3</sup>**  
 Horsepower:  
 SAE J1995..... Gross 18.2 kW **24.4 HP**  
 ISO 9249 / SAE J1349..... Net 18.2 kW **24.4 HP**  
 Rated rpm..... 2200  
 Fan drive method for radiator cooling..... Mechanical  
 \*EPA Tier 4 Final emissions certified



## HYDRAULICS

Number of selectable working modes ..... 2  
 Main pumps:  
 Pumps for..... Boom, arm, bucket, and travel circuits  
 Type..... Variable displacement piston x 2  
 Maximum flow ..... 32 ltr/min **18.3 gal/min**  
 Pumps for..... Swing and blade  
 Type..... Gear x 2  
 Swing pump maximum flow ..... 18.7 ltr/min **4.9 gal/min**  
 Swing pressure maximum..... 20.1 MPa **2,915 psi**  
 Blade pump maximum flow..... 9.9 ltr/min **2.61 gal/min**  
 Blade pressure maximum..... 21.5 MPa **3,118 psi**  
 Max auxiliary flow rate ..... 50 Lpm **13.2 gpm**  
 at 20.5 MPa **2,973 psi**  
 Hydraulic valve..... 8 spool  
 Operating method..... Hydraulic assist  
 Travel motor:  
 Type..... Variable displacement piston x 2  
 (with counterbalance valve and travel shaft brake)  
 Swing motor:  
 Type..... Fixed displacement piston type x 1  
 (with brake valve and swing shaft brake)  
 Hydraulic cylinders: (Number of cylinders – bore x stroke x rod diameter)  
 Boom (PC30MR-5)..... 1–80 mm x 550 mm x 45 mm  
**3.14" x 21.6" x 1.77"**  
 (PC35MR-5)..... 1–80 mm x 585 mm x 45 mm  
**3.14" x 23.0" x 1.77"**  
 Arm (PC30MR-5)..... 1–75 mm x 595 mm x 45 mm  
**2.9" x 23.4" x 1.77"**  
 (PC35MR-5)..... 1–75 mm x 595 mm x 45 mm  
**2.9" x 23.4" x 1.77"**  
 Bucket (PC30MR-5)..... 1–65 mm x 490 mm x 40 mm  
**2.55" x 19.29" x 1.57"**  
 (PC35MR-5)..... 1–65 mm x 490 mm x 40 mm  
**2.55" x 19.29" x 1.57"**  
 Boom swing (PC30MR-5)..... 1–80 mm x 500 mm x 40 mm  
**3.14" x 19.6" x 1.57"**  
 (PC35MR-5)..... 1–95 mm x 482 mm x 50 mm  
**3.74" x 18.97" x 1.97"**  
 Blade (PC30MR-5)..... 1–85 mm x 135 mm x 45 mm  
**3.34" x 5.11" x 1.77"**  
 (PC35MR-5)..... 1–95 mm x 140 mm x 45 mm  
**3.74" x 5.51" x 1.77"**



## DRIVES AND BRAKES

Steering control..... Two levers with pedals  
 Drive method ..... Hydrostatic  
 Gradeability ..... 30°  
 Maximum travel speed (rubber):High..... 4.6 km/h **2.85 mph**  
 (Auto-shift) Low ..... 2.6 km/h **1.61 mph**  
 Service brake..... Hydraulic lock  
 Parking brake..... Mechanical disc  
 Maximum drawbar pull ..... 33 kN 3400 kgf **7,495 lbf**



## UNDERCARRIAGE

Center frame..... X-frame  
 Track frame..... Box-section  
 Track type..... Sealed  
 Track adjuster ..... Greased gun  
 Number of carrier rollers (each side)..... 1  
 Number of track rollers (each side)..... 4



## COOLANT & LUBRICANT CAPACITY (REFILLING)

Engine..... 6.7 ltr **1.77 U.S. gal**  
 Hydraulic system..... 39 ltr **10.3 U.S. gal**  
 Cooling system ..... 3.3 ltr **0.87 U.S. gal**  
 Fuel tank ..... 41 ltr **10.8 U.S. gal**  
 Final drive (each side)..... 0.6 ltr **0.15 U.S. gal**



## OPERATING WEIGHT (APPROXIMATE)

Operating weight including 2180mm **7'2"** (PC30MR-5) 2540mm **8'4"** (PC35MR-5) one piece boom, 1370mm **4'6"** (PC30MR-5) 1720 **5'8"** (PC35MR-5) arm, .09 m<sup>3</sup> **3.17 ft<sup>3</sup>** (PC30MR-5) 0.11m<sup>3</sup> **3.88 ft<sup>3</sup>** (PC35MR-5) bucket, blade, rated capacity of lubricants, coolant, full fuel tank, operator and standard equipment.

PC30MR-5				
ROPS Canopy, Rubber Shoe		ROPS Cab, Rubber Shoe		
Operating Weight	Ground Pressure	Operating Weight	Ground Pressure	Max. Digging Force
2950 kg 6,503 lb	26.7 kPa 3.87 psi	3100 kg 6,834 lb	29 kPa 4.2 psi	29.5 kN 6,631 lbf

PC35MR-5				
ROPS Canopy, Rubber Shoe		ROPS Cab, Rubber Shoe		
Operating Weight	Ground Pressure	Operating Weight	Ground Pressure	Max. Digging Force
3625 kg 9,775 lb	35.9 kPa 5.20 psi	3775 kg 8,305 lb	37.3 kPa 5.4 psi	29.9 kN 6,721 lbf



## BLADE

Width x height..... 1740 mm x 355 mm **5'9" x 1'2"**

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AD01(Electronic View Only)

01/16 (EV-1)

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*Note: All comparisons and claims of improved performance made herein are made with respect to the prior Komatsu model unless otherwise specifically stated.*

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PC30/35MR