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|--------------|------------------|
| Distributor: | Linder Machinery |
| Item # 96 | |
| | |

KOMATSU PC35MR-5 Mini Excavator

BUILD SHEET

Engine and its related items:

Komatsu 3D88E-7, 24.4 net HP, 3 cylinder, naturally aspirated direct injection diesel engine, 4-cycle liquid -cooled Tier 4 Final certified, EGR, Suction type cooling fan with guard, Spin -on fuel and engine oil filters, Fuel water separator with shut-off, dual element dry type air cleaner, restriction indicator. Auto idle shutdown.

Electrical system:

12 Volt operating system, 55 Amp alternator, 1.7kw starter Boom mounted work light
Quick Release Battery Terminal

Undercarriage:

Rubber track 12" (300mm)
Hydraulic track adjusters
Heavy duty sloped track frame

Guards and Covers:

Engine key operates all machine locks
Engine, hydraulic tank, fuel tank fills are inside lockable engine and side covers, Manuals in lockable compartment under the seat

Operator environment:

Includes two post ROPS Canopy
Suspension seat with 3" wide retractable seat belt,
Seat belt caution lamp, wrist rests, Horn, Travel alarm,
Rear view mirrors, tilt-up operator platform,
Engine oil pressure lamp with audible alarm,
Battery charge level lamp with audible alarm,
Pre-heating lamp, Engine coolant temperature gauge with audible alarm and indicator light, Travel speed indicator lamp, Service hour meter, Hydraulic oil sight gauge, Fuel gauge with low fuel indicator light,
Hydraulic lock lever, Dial throttle, Secondary engine shutdown Eco Mode, 3.5" LCD monitor,

Bucket:

24" GP

Hydraulic controls:

Closed center load sensing hydraulics, Two variable capacity piston pumps and two gear pumps provide hydraulic flow, O-ring face seal fittings
Pilot proportional (2) joystick controls, Control pattern change valve (SAE/ISO), Auxillary hydraulics selector valve for one way or two way flow. Foot operated auxilliary hydraulics control, Pilot operated dozer blade with integral transmission shift switch. Foot operated swing boom control.

Drive and brake system

Dual range hydrostatic drive, Automatic load sensing two speed travel controlled by an electric switch on the blade control lever. Axial piston motor final drive, Automatic swing brake

Other Standard Equipment

Boom offset feature
Standard 5'1" (1550 mm) dozer blade assembly with up/down control .

KOMTRAX Level 5 Cellular based system provides, machine location, hour meter readings, travel notice, engine lock capability
Customer access to website and notifications
via email or email capable mobile phone

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 yd³ 0.055–0.16 m³
PC35MR-5: 0.07–0.24 yd³ 0.055–0.18 m³

PC30/35MR

KOMTRAX EQUIPMENT MONITORING

GET THE WHOLE STORY WITH
KOMTRAX®

✓ WHAT

- KOMTRAX is Komatsu's remote equipment monitoring and management system
- KOMTRAX **continuously monitors and records** machine health and operational data
- Information such as fuel consumption, utilization, and a detailed history **lowering owning and operating cost**

✓ WHO

- KOMTRAX is **standard** equipment on all Komatsu construction products

✓ WHEN

- Knowing when machines are **running or idling** can help improve fleet utilization
- Detailed movement records ensure you know when and where your equipment is moved
- Up to date records allow you to **know when maintenance is due** and help you plan for future maintenance needs

✓ WHERE

- KOMTRAX data **can be accessed virtually anywhere** through your computer, the web or your smart phone
- Automatic alerts keep fleet managers up to date on the latest machine notifications

✓ WHY

- Knowledge is power - **make informed decisions** to manage your fleet better
- Knowing your idle time and fuel consumption will help maximize your machine efficiency
- **Take control of your equipment** - any time, anywhere



KOMTRAX®

For construction and compact equipment.

KOMTRAX Plus®

For production and mining class machines.

SPECIFICATIONS



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 in³**
 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

Engine..... 6.7 ltr **1.77 U.S. gal**
 Hydraulic system..... 20 ltr **5.3 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 m³ **3.17 ft³** (PC30MR-5) 0.11m³ **3.88 ft³**
 (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 |
| 2950 kg 6,505 lb | 26.7 kPa 3.87 psi | 3100 kg 6,836 lb | 28 kPa 4.06 psi |

| PC35MR-5 | | | |
|-----------------------------|----------------------|--------------------------|---------------------|
| ROPS Canopy, Rubber Shoe | | ROPS Cab, Rubber Shoe | |
| Operating Weight | Ground Pressure | Operating Weight | Ground Pressure |
| 3625 kg 7,993 lb | 35.9 kPa 5.20 psi | 3775 kg 8,324 lb | 37.3 kPa 5.4 psi |



BLADE

Width x height

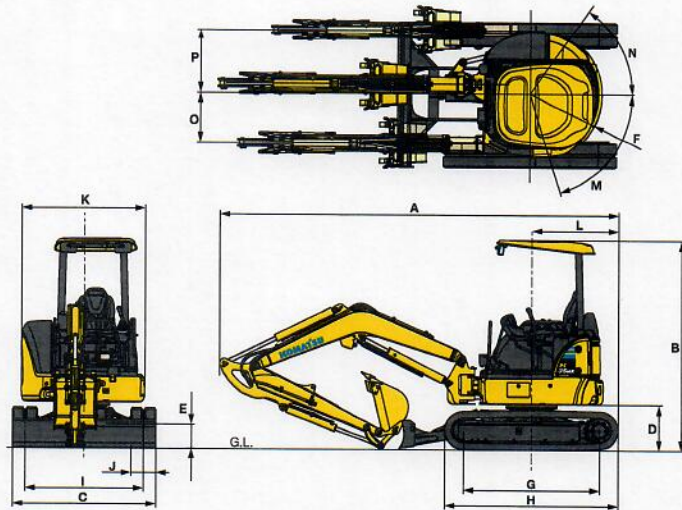
PC30MR-5..... 1550 mm x 355 mm **5'1" x 1'2"**
 PC35MR-5..... 1740 mm x 355 mm **5'9" x 1'2"**



DIMENSIONS

| | | PC30MR-5 | | PC35MR-5 | |
|--------------------|---|-------------|-------|-------------|--------|
| Boom Length | | 2285 mm | 7'6" | 2540 mm | 8'4" |
| Arm Length | | 1240 mm | 4'1" | 1720 mm | 5'8" |
| A | Overall length | 4560 mm | 15'0" | 4825 mm | 15'10" |
| B | Overall height | 2520 mm | 8'3" | 2520 mm | 8'3" |
| C | Overall width | 1550 mm | 5'1" | 1740 mm | 5'9" |
| D | Ground clearance, counterweight | 545 mm | 1'9" | 545 mm | 1'9" |
| E | Ground clearance (minimum) | 305 mm | 1'0" | 290 mm | 1'1" |
| F | Tail swing radius | 790 mm | 2'7" | 870 mm | 2'10" |
| G | Track length on ground | 1650 mm | 5'5" | 1650 mm | 5'5" |
| H | Track length | 2105 mm | 6'11" | 2105 mm | 6'11" |
| I | Track gauge | 1250 mm | 4'1" | 1440 mm | 4'9" |
| J | Shoe width | 300 mm | 1'0" | 300 mm | 1'0" |
| K | Machine upper width | 1500 mm | 4'11" | 1500 mm | 4'11" |
| L | Distance, swing center to end of tracks | 1050 mm | 3'5" | 1050 mm | 3'5" |
| M/N | Boom swing angle deg. | LH80°/RH50° | | LH75°/RH55° | |
| O | Bucket offset LH | 580 mm | 1'11" | 580 mm | 1'11" |
| P | Bucket offset RH | 845 mm | 2'9" | 770 mm | 2'6" |

With rubber tracks



THREE TRACK VERSIONS AVAILABLE



Rubber



Steel*



Roadliner



* Steel tracks available only on the PC35MR-5

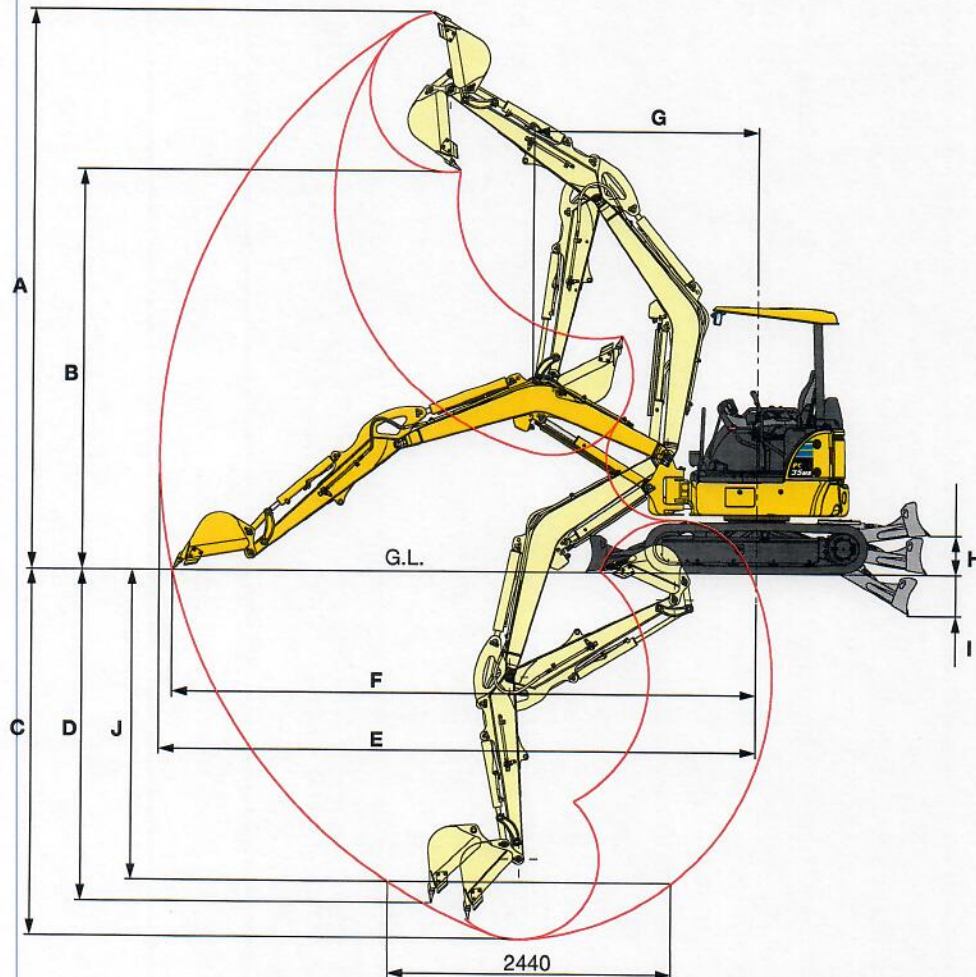
SPECIFICATIONS



WORKING RANGE

| | | PC30MR-5 | | PC35MR-5 | |
|-----------------|--|----------------------|-------------|----------------------|-------------|
| Boom Length | | 2285 mm | 7'6" | 2540 mm | 8'4" |
| Arm Length | | 1240 mm | 4'1" | 1720 mm | 5'8" |
| A | Maximum digging height | 4840 mm | 15'11" | 5270 mm | 17'3" |
| B | Maximum dumping height | 3350 mm | 11'0" | 3790 mm | 12'5" |
| C | Maximum digging depth | 2760 mm | 9'1" | 3455 mm | 11'4" |
| D | Maximum vertical wall digging depth | 2400 mm | 7'10" | 3120 mm | 10'3" |
| E | Maximum digging reach | 5050 mm | 16'7" | 5640 mm | 18'6" |
| F | Maximum digging reach at ground | 4910 mm | 16'1" | 5520 mm | 18'1" |
| G | Minimum swing radius (when boom swings) | 2055 (1560) mm | 6'9" (5'1") | 2140 (1710) mm | 7'0" (5'7") |
| H | Maximum blade lift | 360 mm | 1'2" | 360 mm | 1'2" |
| I | Maximum blade depth | 310 mm | 1'0" | 390 mm | 1'3" |
| J | Maximum digging depth of cut for 2440 mm 96" level | 2260 mm | 7'5" | 3000 mm | 9'11" |
| ISO 6015 Rating | Bucket digging force | 29.5 kN 6,631 lbs | | 29.9 kN 6,722 lbs | |
| | Arm crowd force | 17.7 kN 3,979 lbs | | 20.6 kN 4,631 lbs | |

With rubber tracks



PC30/35MR



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/58 Ah
- Front travel light
- Starting motor 12 V/1.7 kW
- Working light on boom

HYDRAULIC SYSTEM

- Auxiliary hydraulics with one-way/two-way flow selector valve
- Foot control for auxiliary hydraulics
- ISO/SAE pattern change valve

GUARDS AND COVERS

- Fan guard
- Thermal guard

UNDERCARRIAGE

- Shoe, 300 mm 12" rubber shoe

OPERATOR ENVIRONMENT

- 12 V x 1 power supply
- Automatic two-speed travel control
- High resolution 3.5" LCD color monitor
- Lock lever auto lock function
- Rear view mirrors (RH, LH)
- Retractable seat belt, 78 mm 3"
- Suspension seat
- Travel alarm
- Two-post ROPS (ISO 3471) canopy

WORK EQUIPMENT

- Arms
 - 1240 mm 48.8" arm assembly with piping (PC30MR-5)
 - 1720 mm 67.7" arm assembly with piping (PC35MR-5)
- Backfill blade
- Booms
 - 2285 mm 90" boom assembly with piping (PC30MR-5)
 - 2540 mm 100" boom assembly with piping (PC35MR-5)

OTHER EQUIPMENT

- Auto idle shutdown
- KOMTRAX®
- Quick release battery terminal (-)
- Swing holding brake
- Counterweight
 - PC30MR-5, 265 kg 518 lb
 - PC35MR-5, 650 kg 1,433 lb



OPTIONAL EQUIPMENT

UNDERCARRIAGE

- Road Liner track, 300 mm 12"
- Steel track*, 300 mm 12"

OPERATOR ENVIRONMENT

- Cab with A/C, radio ready, auxiliary input (3.5 mm jack) ready
- Proportional joysticks

WORK EQUIPMENT

- Buckets
 - 300 mm 12" HD bucket
 - 457 mm 18" HD bucket
 - 610 mm 24" HD bucket
- Hydraulic thumb
- Mechanical quick coupler

For a complete list of available attachments, please contact your local Komatsu distributor.

* Not available on PC30MR-5

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AD02(1.5M)OTP

02/18 (EV-1)

KOMATSU®

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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