

KOMATSU

PC30MR-5
PC35MR-5
PC45MR-5
PC55MR-5

MINI-EXCAVATOR

PRELIMINARY



PC30/35/45/55MR

ENGINE POWER

PC30/35MR-5:
18,2 kW / 24,4 HP @ 2.200 rpm
PC45/55MR-5:
29,6 kW / 39,7 HP @ 2.400 rpm

OPERATING WEIGHT

PC30MR-5: 3.360 kg
PC35MR-5: 3.790 kg
PC45MR-5: 4.930 kg
PC55MR-5: 5.260 kg

BUCKET CAPACITY

PC30MR-5: 0,03 - 0,10 m³
PC35MR-5: 0,04 - 0,12 m³
PC45MR-5: 0,055 - 0,16 m³
PC55MR-5: 0,055 - 0,18 m³

Walk-Around

Powerful and Environmentally Friendly

- NEW** • Komatsu fuel-saving technology
- NEW** • 6 selectable working modes
- NEW** • Auto-deceleration and idle shutdown
- NEW** • Dial type fuel control

First-Class Comfort

- NEW** • Newly designed cab
- NEW** • Improved operator convenience
- NEW** • Multi-function monitor with high resolution 3,5" LCD color display
- NEW** • Multiple accessories around the operator's seat

Maximized Efficiency

- NEW** • Powertilt options for PC35MR-5 and PC55MR-5

Safety First

- NEW** • Neutral position detection system
- NEW** • Emergency engine stop switch
- NEW** • Seat belt caution indicator
- NEW** • Large transport tie down points

Easy Maintenance

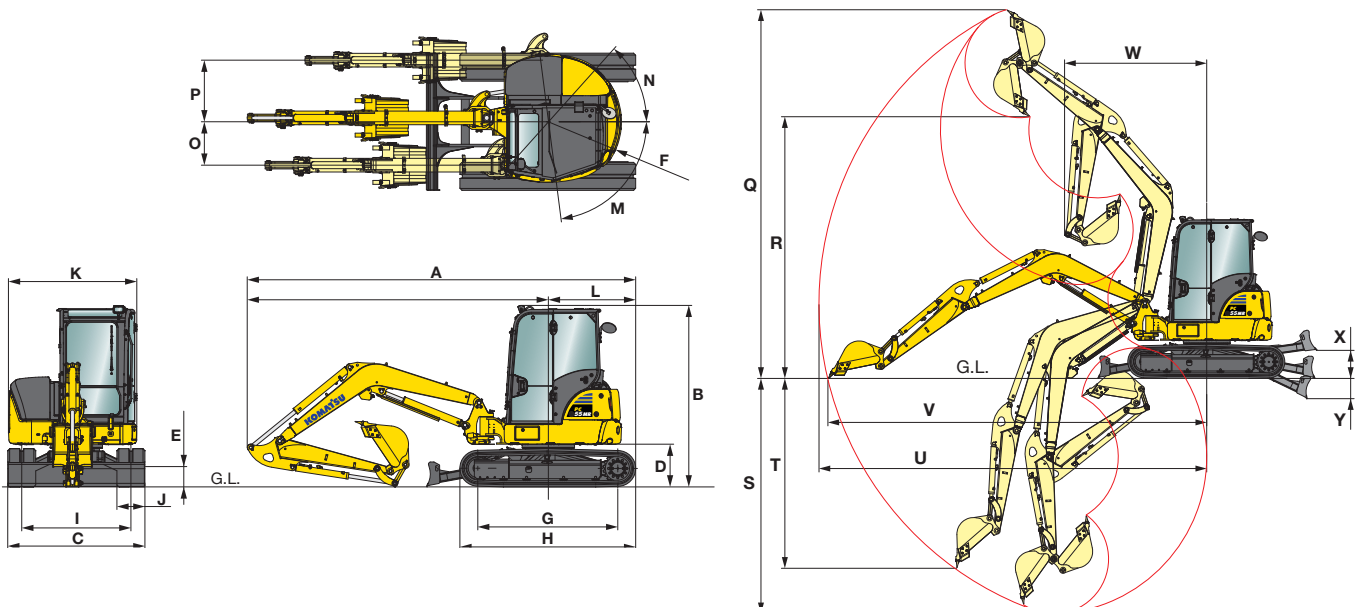
- Tilting cab
- Wide opening engine hood
- NEW** • Maintenance information displayed on the monitor

KOMTRAX™

- Komatsu Wireless Monitoring System
- NEW** • 3G mobile communications
- NEW** • Integrated antenna



DIMENSIONS & WORKING RANGE		PC30MR-5		PC35MR-5		PC45MR-5		PC55MR-5	
Boom length	mm	2.285		2.540		2.640		2.900	
Arm length	mm	1.240	1.610	1.370	1.720	1.375	1.770	1.640	2.000
A Overall length	mm	4.560	4.600	4.825	4.905	5.220	5.300	5.550	5.615
B Overall height	mm	2.560		2.560		2.590		2.590	
C Overall width	mm	1.550		1.740		1.960		1.960	
D Clearance under counterweight	mm	545		545		610		610	
E Ground clearance	mm	305		290		290		290	
F Tail swing radius	mm	870		950		1.040		1.120	
G Track length on ground	mm	1.650		1.650		2.000		2.000	
H Track length	mm	2.105		2.105		2.520		2.520	
I Track gauge	mm	1.250		1.440		1.560		1.560	
J Shoe width	mm	300		300		400		400	
K Overall width of upper structure	mm	1.500		1.500		1.835		1.835	
L Distance, swing center to rear end	mm	1.050		1.050		1.265		1.265	
M/N Boom swing angle	°	80 / 50		75 / 55		85 / 50		85 / 50	
O Boom offset LH	mm	580		580		630		630	
P Boom offset RH	mm	845		770		880		880	
Q Max. digging height	mm	4.840	5.070	5.000	5.270	5.500	5.780	5.915	6.180
R Max. dumping height	mm	3.350	3.580	3.530	3.790	3.775	4.060	4.200	4.470
S Max. digging depth	mm	2.760	3.130	3.110	3.455	3.300	3.705	3.770	4.130
T Max. vertical wall digging depth	mm	2.400	2.770	2.690	3.210	2.730	3.145	3.030	3.380
U Max. digging reach	mm	5.050	5.390	5.300	5.640	5.735	6.130	6.220	6.570
V Max. digging reach at ground level	mm	4.910	5.215	5.170	5.520	5.575	5.980	6.075	6.435
W Min. swing radius (at boom swing)	mm	2.055 (1.560)	2.190 (1.665)	2.030 (1.600)	2.140 (1.700)	2.290 (1.760)	2.410 (1.860)	2.285 (1.760)	2.390 (1.855)
X Blade, max. lifting height	mm	360		360		430		430	
Y Blade, max. digging depth	mm	310		390		330		330	



SPECIFICATIONS	PC30MR-5	PC35MR-5	PC45MR-5	PC55MR-5
Operating weight*	3.360 kg	3.790 kg	4.930 kg	5.260 kg
Ground pressure	0,31 kg/cm ²	0,35 kg/cm ²	0,28 kg/cm ²	0,30 kg/cm ²
Standard bucket capacity (ISO 7451 heaped)	0,09 m ³	0,11 m ³	0,14 m ³	0,16 m ³
ENGINE				
Model	Komatsu 3D88E-7		Komatsu 4D88E-6ZP	
Type	Water-cooled, 4-cycle direct injection			
Engine power (ISO 14396)	18,2 kW / 24,4 HP @ 2.200 rpm		29,6 kW / 39,7 HP @ 2.400 rpm	
Engine power (ISO 9249 net engine power)	17,4 kW / 23,3 HP @ 2.200 rpm		28,3 kW / 38,0 HP @ 2.400 rpm	
Number of cylinders	3		4	
Bore x stroke	88 x 90 mm		88 x 90 mm	
Piston displacement	1,642 ltr		2,189 ltr	
HYDRAULIC SYSTEM				
Type	Variable displacement, 2x axial piston, 2x gear pump			
Maximum pump flow (Main pumps)	98,7 ltr/min		153,3 ltr/min	
PERFORMANCE				
Travel speed (High/Low)	4,6 km/h / 2,6 km/h			
Swing speed	9,0 rpm**		9,0 rpm	
Max. traction force	33,3 kN (3.396 kg)	33,2 kN (3.385 kg)	42,0 kN (4.280 kg)	
Gradeability	30°			
Bucket digging force (ISO 6015)	29,5 kN (3.000 kg)	29,9 kN (3.050 kg)	33,9 kN (3.460 kg)	39,0 kN (3.980 kg)
Arm crowd force (ISO 6015)	17,7 kN (1.800 kg)	20,6 kN (2.100 kg)	21,6 kN (2.200 kg)	23,9 kN (2.440 kg)
UNDERCARRIAGE				
Construction	X-frame centre section with box section track frames			
Tension	Grease			
Track rollers	4			
Carrier rollers	1			
SERVICE REFILL CAPACITIES				
Fuel tank	41 ltr		65 ltr	
Coolant	3,3 ltr		8,8 ltr	
Engine	6,7 ltr		7,5 ltr	
Final drive (Each side)	0,6 ltr		0,7 ltr	
Hydraulic tank	20 ltr		20 ltr	
ENVIRONMENT				
Engine emissions	-		EU Stage 3A	

* Operating weight, including cabin, specified work equipment, operator, lubricant, coolant, full fuel tank and the standard equipment.

** Swing speed with optional air condition: 6,6 rpm