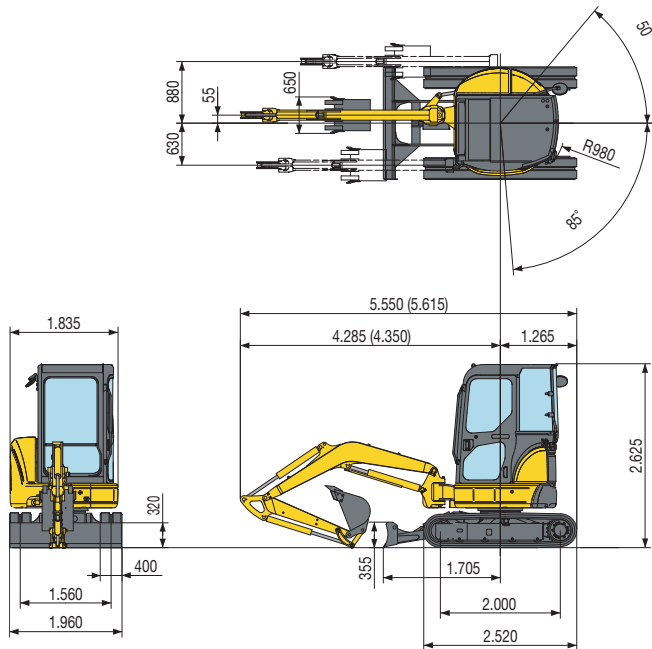


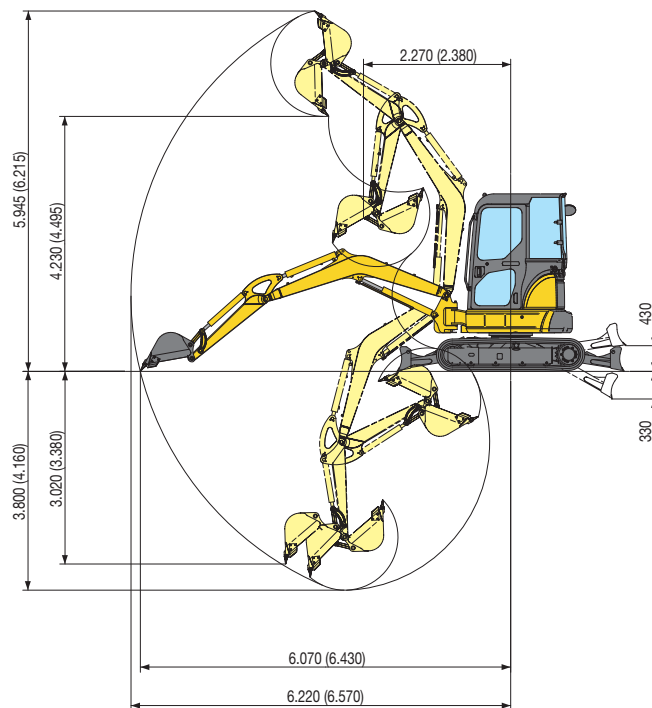
DIMENSIONS & WORKING RANGE



BUCKET RANGE			
Width mm	Capacity m ³ (ISO7451)	Weight kg	Teeth N.
300	0,07	75	2
400	0,1	90	3
500	0,125	100	4
600	0,15	115	5
700	0,175	125	5

Machine with Cab, Steel Shoes, Additional Counterweight and Blade at Ground Level

A - Distance from machine's center B - Height at bucket pin.



Arm length 1.640 mm								
B \ A	2 m		3 m		4 m		Max. outreach	
	Front.	360°	Front.	360°	Front.	360°	Front.	360°
3 m	/	/	/	/	(*) 805	(*) 805	(*) 835	590
2 m	/	/	(*) 1.330	(*) 1.330	(*) 1.025	880	(*) 880	525
1 m	/	/	(*) 1.995	1.295	(*) 1.295	840	(*) 935	505
0 m	(*) 1.590	(*) 1.590	(*) 2.325	1.240	(*) 1.480	810	(*) 1.005	520
-1 m	(*) 2.755	2.410	(*) 2.305	1.230	(*) 1.505	800	(*) 1.090	590
-2 m	(*) 3.480	2.455	(*) 1.980	1.245	(*) 1.275	810	(*) 1.190	770

Unit: kgf

Arm length 2.000 mm								
B \ A	2 m		3 m		4 m		Max. outreach	
	Front.	360°	Front.	360°	Front.	360°	Front.	360°
3 m	/	/	/	/	(*) 650	(*) 650	(*) 740	515
2 m	/	/	(*) 1.035	(*) 1.035	(*) 880	(*) 880	(*) 785	460
1 m	/	/	(*) 1.725	1.285	(*) 1.175	840	(*) 835	445
0 m	(*) 1.525	(*) 1.525	(*) 2.220	1.235	(*) 1.405	800	(*) 895	455
-1 m	(*) 2.375	2.365	(*) 2.320	1.210	(*) 1.500	780	(*) 970	505
-2 m	(*) 3.590	2.400	(*) 2.125	1.215	(*) 1.385	785	(*) 1.060	630

Unit: kgf

NOTE:

- Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.
- The values marked with an asterisk (*) are limited by the hydraulic capacities - Calculations are based on the machine resting on a uniform and firm surface
- The lifting point is a hypothetical hook placed behind the bucket.

SPECIFICATIONS



ENGINE

The new generation engine has been developed to comply with the strictest emission controls (STAGE 2).

Model	Komatsu 4D88E-5
Type	emissionised 4-cycle diesel engine
Displacement	2.189 cm ³
Bore x stroke	88 x 90 mm
No. of cylinders	4
Combustion	direct injection
Aspiration	natural
Engine power	
at rated engine speed	2.350 rpm
ISO 14396	30,3 kW / 40,6 HP
SAE J1349	29,4 kW / 39,4 HP
Max. torque/engine speed	139 Nm @ 1.440 rpm
Cooling system	water
Air filter type	dry
Starting	electric motor with pre-heating air system for cold climate



SWING SYSTEM

The rotation is operated by means of an orbital hydraulic motor. Single ball-bearing ring with internal, induction hardened toothring. Centralised lubrication of the unit.

Swing speed	9,0 rpm
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TRANSMISSION

Type

2 speed hydrostatic transmission, controlled and steered by means of two levers and two pedals

Hydraulic motors	2 x axial pistons
Reduction system	epicyclic reduction gears
Max. drawbar pull	4.197 daN (4.280 kgf)
Travel speed	2,8 - 4,6 km/h



OPERATING WEIGHT

Operating weight with standard bucket, fully serviced, +75 kg operator (ISO 6016).

Operating weight with cab and rubber shoes	4.940 kg
Operating weight with cab and steel shoes	5.005 kg
Canopy	-175 kg (optional)
Additional counterweight	+250 kg



BLADE

Type	electro-welded, single unit structure
Width x height	1.960 x 355 mm
Max. lifting above ground level	430 mm
Max. depth below ground level	330 mm



HYDRAULIC SYSTEM

Type

Komatsu CLSS

Main pumps

2 variable displacement pumps + 1 gear pump

Max. pump flow	51 x 2 + 32 ltr/min
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Max operating pressure:

Working equipment	27 MPa (270 bar)
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Hydraulic motors:

Travel	2 x variable displacement
Swing	1 x fixed displacement

Hydraulic cylinders (bore x stroke):

Boom	90 x 697 mm
Arm	85 x 734 mm
Bucket	75 x 580 mm
Boom swing	95 x 630 mm
Blade	110 x 140 mm

Bucket breakout force (ISO 6015)

3.903 daN (3.980 kg)

Arm crowd force (ISO 6015):

1.640 mm arm	2.471 daN (2.520 kg)
2.000 mm arm	2.157 daN (2.200 kg)

The digging equipment is fully controlled by PPC servo-controls. All movements are stopped by lifting the safety levers on the tiltable case.



UNDERCARRIAGE

Central lower casted X-frame and carriage frame with boxed section.

Shoes (each side)	39
Track rollers (each side)	4
Shoe width	400 mm
Ground pressure (standard)	0,29 kg/cm ²



ELECTRIC SYSTEM

Voltage	12 V
Battery	72 Ah
Alternator	40 A
Starter motor	2,3 kW



ENVIRONMENT

Vibration levels (EN 12096:1997)*

Hand/arm	≤ 2,5 m/s ² (uncertainty K = 1,2 m/s ²)
Body	≤ 0,5 m/s ² (uncertainty K = 0,2 m/s ²)

* for the purpose of risk assessment under directive 2002/44/EC, please refer to ISO/TR 25398:2006.



SERVICE CAPACITIES

Fuel tank	65 ltr
Radiator and system	7,3 ltr
Engine oil	7,4 ltr
Hydraulic system	55 ltr