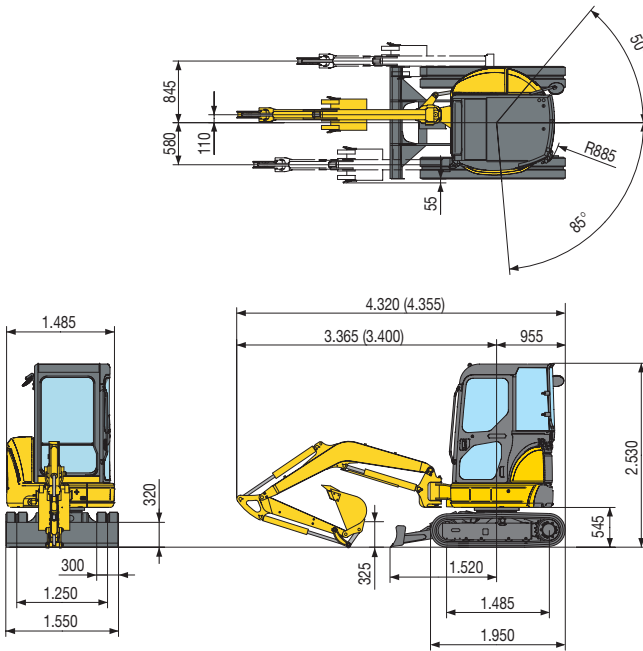
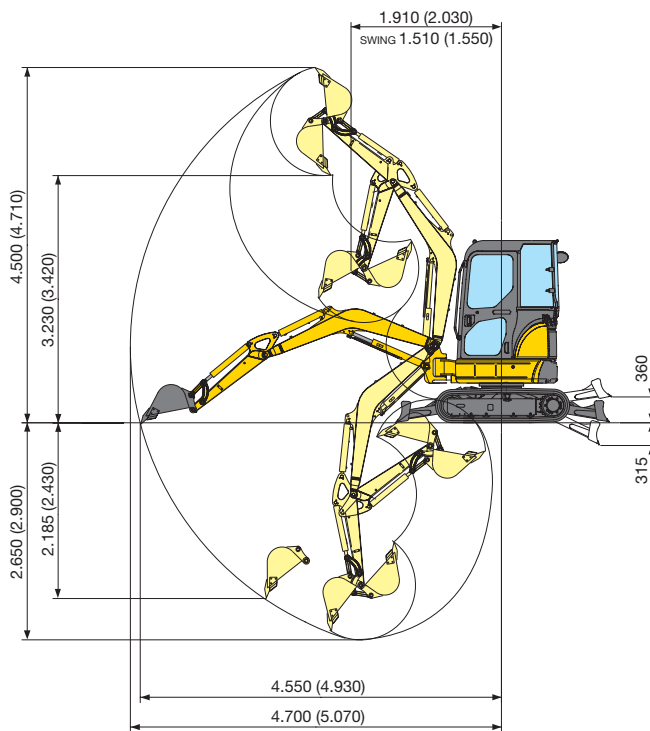


# DIMENSIONS & WORKING RANGE



BUCKET RANGE			
Width mm	Capacity m <sup>3</sup> (ISO7451)	Weight kg	No. of teeth
250	0,045	32	2
350	0,06	40	3
450	0,075	52	4
600	0,095	60	5
650	0,105	65	5



## PC27MR-2 + Steel Shoes + X-Weight + Blade Down

Arm length 1.110 mm							
B	A	2 m		3 m		Max. outreach	
		Front.	360°	Front.	360°	Front.	360°
3 m	-	-	-	(*) 650	550	(*) 685	420
2 m	(*) 1.225	1.005	(*) 795	530	(*) 695	330	
1 m	-	-	(*) 1.065	505	(*) 730	310	
0 m	(*) 2.220	885	(*) 1.185	485	(*) 770	325	
-1 m	(*) 1.825	900	(*) 1.030	490	(*) 805	415	

Arm length 1.410 mm							
B	A	2 m		3 m		Max. outreach	
		Front.	360°	Front.	360°	Front.	360°
3 m	-	-	-	-	-	(*) 595	355
2 m	-	-	-	(*) 670	530	(*) 615	290
1 m	-	-	-	(*) 970	500	(*) 645	270
0 m	(*) 2.310	870	(*) 1.155	475	(*) 685	285	
-1 m	(*) 2.015	875	(*) 1.095	475	(*) 730	345	

**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 3D82AE-5  
 Type..... emissionised 4-cycle diesel engine  
 Displacement..... 1.330 cm<sup>3</sup>  
 Bore × stroke.....82 × 84 mm  
 No. of cylinders ..... 3  
 Combustion.....direct injection  
 Aspiration ..... natural  
 Net power (SAE J1349) ..... 19 kW / 25,5 HP @ 2.600 rpm  
 Max. torque ..... 81,5 Nm @ 1.600 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.....9,2 rpm



## TRANSMISSION

Type.....2 speed hydrostatic transmission, controlled and steered by means of two levers and two pedals  
 Hydraulic motors ..... 2 × axial pistons  
 Reduction system..... epicyclic reduction gears  
 Max. drawbar pull.....3.138 daN (3.200 kgf)  
 Travel speed .....2,6 - 4,6 km/h



## OPERATING WEIGHT

Operating weight with standard bucket, fully serviced, +80 kg operator (ISO 6016).  
 Operating weight with cab and rubber shoes ..... 3.055 kg  
 Operating weight with cab and steel shoes ..... 3.140 kg  
 Canopy ..... -175 kg (optional)  
 Additional counterweight ..... +190 kg



## BLADE

Type..... electro-welded, single unit structure  
 Width × height ..... 1.550 × 325 mm  
 Max. lifting above ground level..... 360 mm  
 Max. depth below ground level ..... 315 mm



## UNDERCARRIAGE

Central lower casted X-frame and carriage frame with boxed section.  
 Shoes (each side) ..... 40  
 Track rollers (each side) ..... 4  
 Shoe width ..... 300 mm  
 Ground pressure (standard) ..... 0,30 kg/cm<sup>2</sup>



## HYDRAULIC SYSTEM

Type..... Komatsu CLSS  
 Main pumps..... variable displacement pump + gear pump  
 Max. pump flow.....76 + 21 ltr/min  
 Max. operating pressure:  
 Working equipment .....24,5 MPa (245 bar)  
 Hydraulic motors:  
 Travel ..... 2 × variable displacement  
 Swing ..... 1 × fixed displacement  
 Hydraulic cylinders (bore × stroke):  
 Boom ..... 75 × 552,5 mm  
 Arm ..... 65 × 544 mm  
 Bucket.....55 × 460 mm  
 Boom swing.....75 × 500 mm  
 Blade..... 65 × 135 mm  
 Bucket digging force (ISO 6015) .....2.187 daN (2.230 kg)  
 Arm crowd force (ISO 6015):  
 1.110 mm arm.....1.471 daN (1.500 kg)  
 1.410 mm arm..... 1.210 daN (1.234 kg)

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



## ELECTRIC SYSTEM

Voltage ..... 12 V  
 Battery ..... 68 Ah  
 Alternator ..... 40 A  
 Starter motor ..... 2,0 kW



## SERVICE CAPACITIES

Fuel tank ..... 44 ltr  
 Radiator and system ..... 3,3 ltr  
 Engine oil ..... 5,2 ltr  
 Hydraulic system ..... 40 ltr