KOMATSU PC 26MR

ENGINE

The new generation engine has been developed to comply with the strictest emission controls.

Model	Komatsu 3D76E
Type	emissionised 4 cycle diesel engine
Displacement	1.115 cm³
Bore x stroke	76 x 82 mm
No. of cylinders	3
Engine power	
at rated engine speed	2.500 rpm
ISO 14396	15,7 kW / 21,1 HP
ISO 9249 (net engine power)	15,5 kW / 20,8 HP
Max. torque/engine speed	66,7 Nm/1.600 rpm
Cooling system	water
Air filter type	dry
Starter motor	electric motor with pre-heating air system for cold climate

OPERATING WEIGHT

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

Operating weight with cab and rubber shoes	2.710 kg
Operating weight with cab and steel shoes	2.900 kg
Canopy	-160 kg (optional)

HYDRAULIC SYSTEM

Type	Komatsu CLSS
Main pump	variable displacement pump + gear pump
Max. pump flow	53,9 + 15,2 ltr/min
Max. operating pressure	24,5 MPa (245 bar)
Hydraulic motors:	
Travel	2 x variable displacement
Swing	1 x fixed displacement
Hydraulic cylinders (bore x stroke):	
Boom	70 x 435,5 mm
Arm	65 x 451 mm
Bucket	55 x 460 mm
Boom swing	70 x 429,5 mm
Blade	70 x 135 mm
Bucket digging force (ISO 6015)	2.200 daN (2.245 kg)
Arm crowd force (ISO 6015).	
1.115 mm arm	1.400 daN (1.430 kg)
1.370 mm arm	1.210 daN (1.235 kg)

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

ENVIRONMENT

Vibration levels (EN 12096:1997)*	
Hand/arm	≤ 2,5 m/s² (uncertainty K = 1,2 m/s²)
Body	≤ 0,5 m/s² (uncertainty K = 0,2 m/s²)

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

SWING SYSTEM

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

Swing speed	8,9 rpm

BLADE

Type	electro-welded, single unit structure
Width x height	1.500 x 300 mm
Max. lifting above ground level	350 mm
Max. depth below ground level	300 mm

UNDERCARRIAGE

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

Track rollers (each side)	4
Shoe width	300 mm
Ground pressure (standard)	0,25 kg/cm²

ELECTRIC SYSTEM

Voltage	12 V
Battery	45 Ah
Alternator	40 A
Starter motor	1,4 kW

SERVICE CAPACITIES

Fuel tank	28 ltr
Radiator and system	3,0 ltr
Engine oil (refill)	3,4 ltr
Hydraulic system	30 ltr

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	planetary gear
Max. drawbar pull	2.600 daN (2.650 kgf)
Travel speed	2,5 - 4,0 km/h

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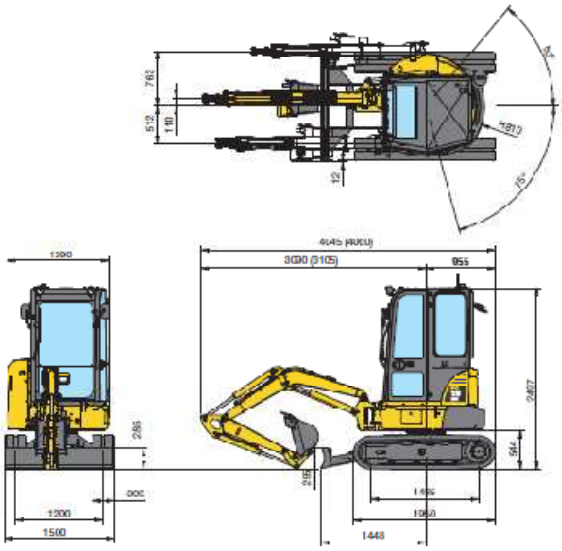
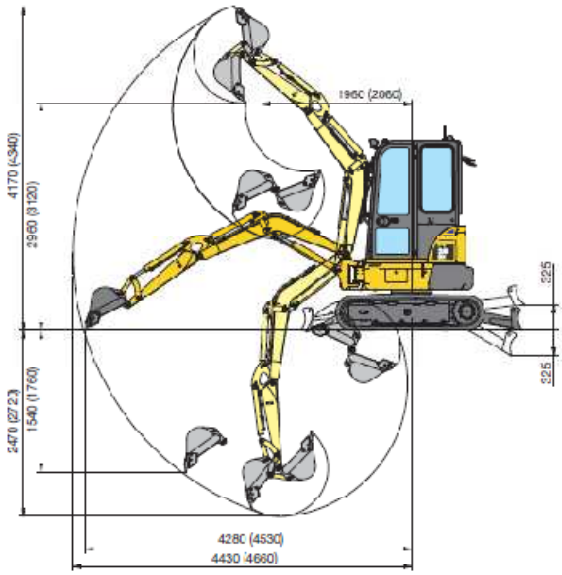


BUCKET RANGE

Width mm	Capacity m³ (ISO 7451)	Weight kg	No. of teeth
250	0,035	30	2
350	0,055	40	3
450	0,07	50	4
550	0,085	60	5



Cab, rubber shoes, 450 mm bucket, blade down

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

ARM LENGTH 1.115 mm

B \ A	2 m		3 m		Max. outreach	
	Front	360°	Front	360°	Front	360°
3 m			(*)560	520	(*)570	400
2 m	(*)640	(*)640	(*)570	490	(*)540	300
1 m	(*)900	660	(*)740	460	(*)630	270
0 m	(*)1.260	630	(*)780	410	(*)600	290
-1 m	(*)1.000	660	(*)740	390	(*)620	310

Unit: kg

ARM LENGTH 1.370 mm

B \ A	2 m		3 m		Max. outreach	
	Front	360°	Front	360°	Front	360°
3 m			(*)470	(*)470	(*)470	370
2 m	-	-	(*)480	(*)480	(*)490	290
1 m	(*)970	660	(*)500	430	(*)520	260
0 m	(*)1.250	625	(*)750	380	(*)540	270
-1 m	(*)1.150	630	(*)720	390	(*)600	300

Unit: kg