

Specifications

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 cm ³
Bore × stroke	76 × 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	2.800 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 × variable displacement
Swing	1 × fixed displacement
Hydraulic cylinders (bore × stroke):	
Boom	70 × 435,5 mm
Arm	65 × 451 mm
Bucket	55 × 460 mm
Boom swing	70 × 429,5 mm
Blade	70 × 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

Engine emissions	Fully complies with EU Stage V exhaust emission regulations
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.	

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	8,9 rpm
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BLADE

Type	electro-welded, single unit structure
Width × height	1.500 × 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/cm ²

ELECTRIC SYSTEM

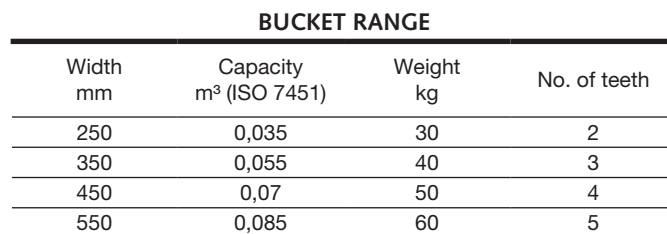
Voltage	12 V
Battery	45 Ah
Alternator	40 A
Starter motor	1,4 kW

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



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	(*)530	270	
0 m	(*)1.260	630	(*)780	410	(*)600	290	
-1 m	(*)1.000	660	(*)740	380	(*)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	(*)580	430	(*)520	260	
0 m	(*)1.250	625	(*)750	380	(*)540	270	
-1 m	(*)1.150	630	(*)730	380	(*)600	300	

Unit: kg

NOTE:

Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Excavators used in object handling operations must comply with the related local regulations and must be equipped with hose burst valves (boom & arm) and an overload warning device in compliance with EN474-5.

- 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.

Mini-Excavator

PC26MR-3

Standard Equipment

- EU Stage V engine
- ROPS (ISO 3471) - OPG (ISO 10262) level 1 tilting cab with heating
- 300 mm rubber shoes
- Two speeds with "Automatic Shift Down"
- 1.115 mm digging arm
- 1 / 2 way auxiliary hydraulic circuit up to the arm
- Blade
- Adjustable suspension seat
- Lifting cylinder guard
- Working light on boom
- Travel acoustic alarm
- KOMTRAX™ - Komatsu satellite monitoring system
- Master disconnect switch
- Boom and arm safety valves, overload warning device (for EU countries only)

Optional Equipment

- ROPS (ISO 3471) - OPG (ISO 10262) level 1 canopy
- 300 mm steel shoes
- 300 mm road liners
- 1.370 mm digging arm
- Bucket range (250 - 550 mm)
- 1.300 mm ditch cleaning bucket
- Bucket linkage with lifting eye
- Boom and arm safety valves, overload warning device (for non-EU countries only)
- Blade safety valve
- Relieve valves for attachments
- Rotating beacon
- Rear-view mirrors
- Cab/canopy working lights
- Additional cab rear working light
- Radio pre-setting
- Proportional controls for attachment on joystick
- Komatsu quick-coupler
- Buckets with Kmax teeth

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