



Model shown may include optional equipment.

PC10-6

HYDRAULIC EXCAVATOR

**KOMATSU:
The Quality
is Standard.**

**Bucket capacity
(SAE heaped):
0.03 ~ 0.085 m³
(0.04 ~ 0.11 cu.yd)**

Greater efficiency with less effort

Features

- Large boom offset for easy side ditching.
- Wide working range, small swing radius and the highest max. dump in its class make work easy in confined areas.
- More foot room, excellent visibility, convenient controls, reduced noise and operator seat with arm rest provide greater comfort.
- Smooth swing control and reduced shock with boom cushion cylinder.
- Neutral lock on operating levers and foot guard for safety.
- Full-open machine cover and simplified air bleeding for easy maintenance.
- While engine hood protectors increase safety in confined areas, the concealed piping and well-formed undercarriage ensure safe travel over rugged terrain.
- Sealed implement pins extend greasing interval.
- Field-proven welded assembly shoes and in-shoe travel motor increase reliability.

SPECIFICATIONS



ENGINE

Komatsu 3D75-2D 4-cycle, water-cooled, overhead valve diesel engine. 3 cylinders, 75 mm (2.95") bore × 75 mm (2.95") stroke and 0.994 ltr. (60.7 cu.in) piston displacement.

Flywheel horsepower.

18.7 HP (14.0 kW) at 2600 RPM (SAE J1349)

19 PS (14.0 kW) at 2600 RPM (DIN 6270 NET)

Direct injection fuel system. All-speed mechanical governor. Full-flow filter for lube purification.



HYDRAULIC SYSTEM

Hydraulic pumps

- Tandem gear pumps power the boom, arm, bucket, travel, swing, blade and boom offset circuits.

Capacity (discharge flow) at engine 2600 RPM 21 ltr. (5.5 U.S. gal)/min. × 2

Hydraulic motors

Travel Two axial piston motors with brake valve

Swing One orbit motor

Relief valve setting

Implement circuits 175 kg/cm² (2,489 PSI/17.2 MPa)

Travel circuits 175 kg/cm² (2,489 PSI/17.2 MPa)

Swing circuits 135 kg/cm² (1,920 PSI/13.2 MPa)

Control valves

2-spool and 6-spool type.

Hydraulic cylinders

Cylinder	Numbers	Bore × Stroke
Boom	1	70 mm × 510 mm (2.76" × 20.1")
Arm	1	70 mm × 455 mm (2.76" × 17.9")
Bucket	1	60 mm × 480 mm (2.36" × 18.9")
Boom offset	1	70 mm × 520 mm (2.76" × 20.5")
Blade	1	70 mm × 135 mm (2.76" × 5.3")



STEERING

Steering/traveling controls are activated with two hand levers.



DRIVES & BRAKES

Drive method

Fully hydrostatic type. Each track is independently driven by an axial piston motor. Power goes through planetary eccentric single-reduction gear to track. Travel motors are neatly installed within track shoe's width (in-shoe design).

Max. drawbar pull 1600 kg (3,530 lb/15.7 kN)

Max. travel speed 2.0 km/h (1.2 MPH)

Brake method

Hydraulic lock-type travel motors equipped with brake valve. When travel/steering levers are positioned in neutral, brakes automatically lock. Brake valve limits travel speed during descent.



SWING SYSTEM

Hydraulic motor-driven (orbit motor). Single-row-shear type ball bearings with induction-hardened internal gears are built into swing circle. Grease-bathed swing pinion. Pin-lock type swing lock is provided.

Swing speed 9.3 RPM



BLADE

Welded, unitized construction of blade and frame.

Blade width × height 1,400 mm (4'7") × 300 mm (11.8")

Blade cutting angle

Max. lift above ground 290 mm (11.4")

Max. drop below ground 285 mm (11.2")



UNDERCARRIAGE

Box-section track frames. Sealed track. Lubricated rollers and idlers. Hydraulic track adjusters with shock absorbing springs. Welded track-type tractor shoes with double grousers.

Shoe width 250 mm (9.8")

Grouser height 16.5 mm (0.63")

Number of shoes 38 each side

Number of track rollers 3 each side

Ground pressure 0.28 kg/cm² (3.98 PSI/27.5 kPa)



COOLANT & LUBRICANT CAPACITY (refilling)

	Liter	U.S. gallon
Fuel tank	35	9.2
Radiator	3.7	1.0
Engine	3.1	0.8
Final drive, each side	0.6	0.2
Hydraulic tank	29	7.7



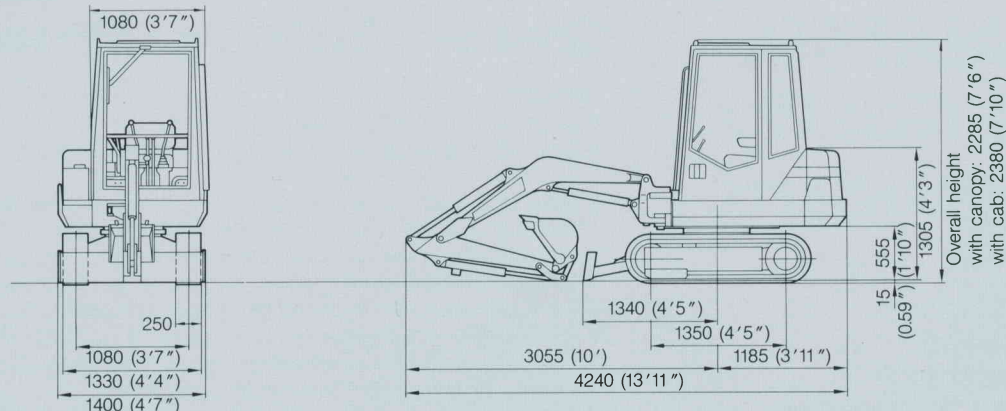
OPERATING WEIGHT (approximate)

Operating weight including 2150 mm (7'1") one-piece boom, 1150 mm (3'9") arm, SAE heaped 0.07 m³ (0.09 cu.yd) backhoe bucket, lubricant, coolant, full fuel tank, standard equipment, operator and cab (optional) 2255 kg (4,970 lb)



DIMENSIONS

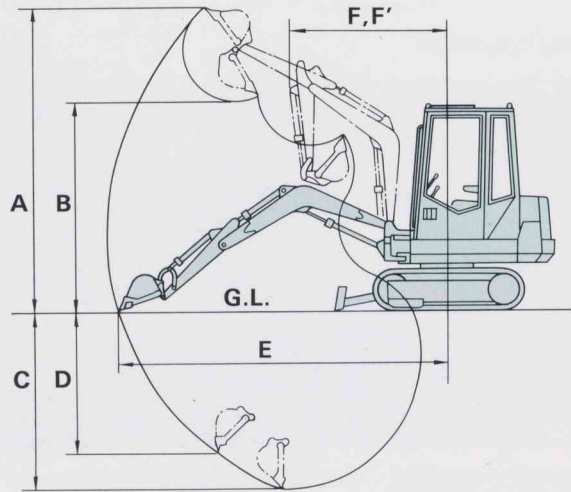
Unit: mm (ft.in)



With 2150 mm (7'1") one-piece boom, 1150 mm (3'9") arm, SAE heaped 0.07 m³ (0.09 cu.yd) backhoe bucket.



WORKING RANGE



Arm length		with 1150 mm (3'9") arm
A	Max. digging height	3920 mm (12'10") [4470 mm (14'8")]
B	Max. dumping height	2710 mm (8'11") [3205 mm (10'6")]
C	Max. digging depth	2310 mm (7'7") [2310 mm (7'7")]
D	Max. vertical wall digging depth	1870 mm (6'2")
E	Max. digging reach at ground level	4235 mm (13'11")
F	Min. swing radius with boom swung	1320 mm (4'4") [1080 mm (3'7")]
F'	Min. swing radius without boom swung	1745 mm (5'9") [1450 mm (4'9")]
Bucket digging force		1700 kg (3,750 lb/16.7 kN)
Arm crowd force		1120 kg (2,470 lb/11.0 kN)

Boom swing: Boom can be swung 50° to left and 90° to right by boom offset cylinder independent of upper structure swinging.

Boom offset distance: Left..... 575 mm (1'10")
Right..... 485 mm (1'7")

Figures in [] are for smaller swing radius models that are optionally available on canopy type machines.

STANDARD EQUIPMENT

12 V/1.3 kW electric starting motor. 12 V/20 A alternator. Dry-type air cleaner. Electric horn. Adjustable operator's seat with arm rest. 250 mm (9.8") double-grouser shoes. Hydraulic track adjusters. Full hydrostatic drive. 12 V/70 Ah battery. Front light.

Alternator charge lamp. Warning lamp for engine oil pressure and temperature. Service meter. Lubricated rollers and idlers. Fuel level gauge. Dozer blade with cylinder cover. Hydraulic track adjusters. Side protector for engine hood.

ATTACHMENTS

BUCKET:

Capacity: m ³ (cu.yd)	0.05 (0.07)	0.07 (0.09)	0.10 (0.13)	0.12 (0.16)
Heaped (struck x 2)	0.03 (0.04)	0.04 (0.05)	0.06 (0.08)	0.07 (0.09)
JIS, CECE heaped	0.03 (0.04)	0.05 (0.07)	0.07 (0.09)	0.085 (0.11)
SAE, PCSA heaped	0.025 (0.03)	0.035 (0.046)	0.05 (0.07)	0.06 (0.08)
Struck				
Bucket width: mm (in) without side cutters with side cutters	250 (9.8) 280 (11.0)	350 (13.8) 380 (15.0)	450 (17.7) 480 (18.9)	550 (21.7) 580 (22.8)
No. of bucket teeth	3	3	4	4
Bucket type	Narrow	Narrow	Standard	Light-duty

ARM: 1150 mm (3'9") arm

BOOM: 2150 mm (7'1") boom

Other track shoes: Choose the rubber shoes when the machine works on paved areas.

Type of shoes	Ground pressure kg/cm ² (PSI/kPa)
250 mm (9.8") Standard shoe	0.29 (4.12/28.4)
300 mm (11.8") Wide shoe	0.24 (3.41/23.5)
300 mm (11.8") Swamp shoe	0.25 (3.56/24.5)
250 mm (9.8") Flat shoe	0.29 (4.12/28.4)
260 mm (10.2") Rubber shoe	0.27 (3.84/26.5)

OPTIONAL EQUIPMENT

Plastic canopy. Steel cab includes room lamp, wiper, heater and ash tray. Windshield washer. Radio. Suspension seat. Seat belt. Dust indicator. Lockable door for cab.



LIFTING CAPACITY

Arm length: 1150 mm (3'9")

A—Reach from swing centerline

B—Bucket hook height ●—Rating at maximum reach

		With blade on ground						With blade above ground					
		●		3.0 m (10')		2.0 m (7')		●		3.0 m (10')		2.0 m (7')	
B	A												
2.0 m	kg	*510	230	*550	300			280	230	370	300		
7'	lb	1125	507	1213	662			617	507	816	662		
1.0 m	kg	*530	210	*670	280			260	210	340	280		
3'	lb	1169	463	1477	617			573	463	750	617		
0 m	kg	*560	220	*710	280	*1230	480	270	220	340	280	620	480
0'	lb	1235	485	1560	617	2712	1058	595	485	750	617	1367	1058
-1.0 m	kg	540	280	*580	290	*970	530	340	280	350	290	660	530
-3'	lb	1191	617	1279	639	2139	1169	750	750	772	639	1455	1169

Notes: 1. Ratings are based on SAE Standard NO. J1097.

2. Lifting capacities shown do not exceed 75% of tipping load of 87% of hydraulic capacities.

3. Capacities marked with asterisk (*) are limited by hydraulic capacities.

4. Lifting capacities assume the machine equipped with 250 mm (9.8") shoe is standing level on a firm, uniform supporting surface.

5. The load point is an optional hook located on the back of the bucket.

A Familiar Feel and Better Control

Excellent performance to tackle any job



Extra-small min. swing radius and convenient boom offset enable quick dig/load operations in extra tight quarters when close to obstacles. The boom swings 50° to the left and 90° to the right. In addition, the PC10-6 attains a wide working range. Reinforced dozer blade with cutting edge is ideal for refilling and leveling.

Smaller swing radius option is available on canopy-type machine.

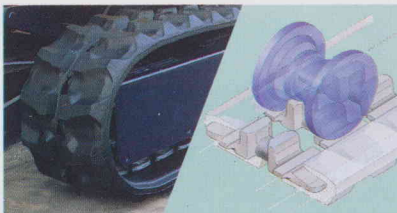
Built tough, easy to maintain



Full-open machine cover allows quick access to engine components and hydraulic equipment for quick checks and repairs. And easy air bleeding with one touch of a button.

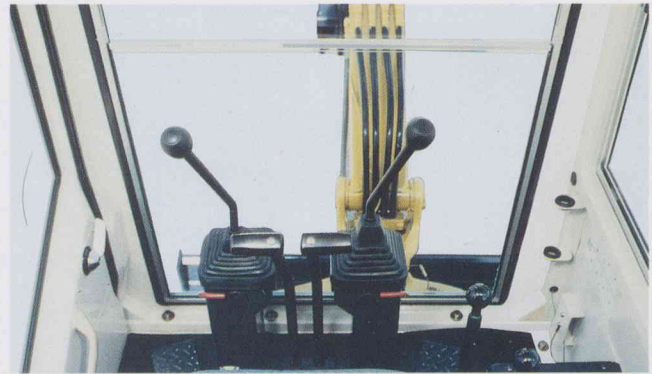


Convenient storage compartment for personal items and tools.



Optional removable rubber shoes for the PC10-6 eliminate the need to change track rollers or parts when mounting.

Easy operation



Equipped with a simple engine key stop, just like the family car.

Larger floorspace and greater visibility improve operating comfort. The human-engineered layout of controls, meters and gauges reduces operator fatigue and boosts operating efficiency. Komatsu's reduced noise 3D75-2D diesel engine.

Operator's seat with arm rest provides working comfort.

Unique Komatsu design eliminates worries



Fuel tank equipped with key to prevent vandalism.



Foot guard protects operator's feet from rocks for canopy-type machine.



Side protectors guard the PC10-6 in narrow places.



In-shoe type travel motors and concealed undercarriage-piping ensure safe travel over rugged terrain.

Brakes lock on when travel/steering levers are in neutral.

O-rings on the bucket connector pin reduce vibration and keep dirt out to prevent wear.

This specification sheet may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.

KOMATSU

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