KOMATSU®

MINI-EXCAVATOR

PC26MR-3

ENGINE POWER
· 15.7 kW / 21.1 hp. @ 2,500 rpm.

OPERATING WEIGHT
· 2,550 - 2,800 kg.

BUCKET CAPACITY
· 0.035 - 0.085 m³.

Photos of the equipment are referential, may include optional equipment.

WALK-AROUND

The new PC26MR-3 compact mini-excavator is the result of the competence and technology that Komatsu has been acquired throughout of the last years. It was designed and developed with constant attention to the needs of customers from all over the world. The end product is a user-friendly machine with top-class performances.

ENGINE POWER 21.1 hp.

*Photo may include optional equipment.

»Cutting-edge hydraulic circuit
»CLSS (closed-centre load sensing system).
»Perfect control even during combined operations.
»Fast and precise movements.

»First-class operator comfort
»Wide entrance for easy entry and exit.
»Spacious working environment.
»Pressure proportional control (PPC) servo-controls.

»Easy maintenance
»Quick access to all daily inspection points.
»Tilting cab for maintenance jobs.
»Extended 500-hour service interval.

»Total versatility
»Customised configurations.
»Standard 1 or 2 way auxiliary line for attachments.
»Ideal for a wide range of applications.

»Outstanding performances
»Optimal power and digging speed.
»Superior stability and safety in any conditions.
»Automatic down-shift.

KOMTRAX
Komatsu Satellite Monitoring System

*Photo may include optional equipment.

OUTSTANDING PERFORMANCES

»Work in tight spaces

»The new short-tail PC26MR-3 delivers optimal power and digging speed, even in confined spaces where traditional machines can't work: yards, road works, demolition sites, sewers, etc. Sturdy and very stable, it guarantees maximum safety and offers complete operator confidence in any working conditions.

»Automatic down-shift

»Once turned on, this feature automatically adjusts the hydraulic travel motor for the job at hand: maximum displacement for faster movement, or minimum displacement for high drawbar pull. This process requires no attention from the operator. The two-speed tracking is operated via a switch on the blade lever.

»X-frame

»The new X-frame ensures maximum stress resistance and optimal stress distribution. Its shape makes the machine a lot more rigid and reliable. In addition, it facilitates the regular undercarriage cleaning operations and the spoils removal process.

*Photos may include optional equipment.

CUTTING-EDGE HYDRAULIC CIRCUIT

»Komatsu CLSS

»The CLSS (closed-centre load sensing system) hydraulic circuit guarantees power, speed and perfect control to all movements, including simultaneous ones. The combination of the variable displacement pump and of CLSS allows operators to perform all required movements with maximum efficiency, regardless of the load or rpm. The unique CLSS characteristics are perfectly complemented by the hydraulic servo-controls, which are, by far, the easiest to use and that allow extremely precise manoeuvres with minimal effort.

*Photo may include optional equipment.

FIRST-CLASS OPERATOR COMFORT

»An optimal work environment

»Designed with the utmost attention to detail, the operator's environment offers outstanding comfort, accessibility and visibility. The wide entrance and well placed handholds allow easy entry and exit to and from the cab. Once seated, even the tallest operators have room to move their legs freely around the spacious, obstacle-free floor. For even greater comfort, an adjustable seat and PPC controls are fitted as standard.

*Photos may include optional equipment.

TOTAL VERSATILITY

*Photos may include optional equipment.

»Customisation

»Many configurations are available, so you can choose the perfect machine for the job: long or short arm, cab or canopy, rubber, steel or road liner shoes. The 1 / 2 way auxiliary hydraulic circuit allows the use of a wide range of working tools such as a hammer, a clamshell bucket, an auger, etc. The switch between the two options is simply done by means of a valve located under a little bonnet on the side of the machine.

»Easy to transport

»Thanks to its convenient weight, the new PC26MR-3 can be moved on a small trailer, with a simple car driver's licence. No truck is required to easily transport the machine to a jobsite, and back to the yard.

EASY MAINTENANCE

»Tilting cab

»The wide opening engine bonnets provide a quick access to daily inspection points. In addition, the cab easily tilts back for major maintenance tasks.

»Easier repairs

»ORFS hydraulic face seal connectors and DT electrical connectors enhance the machine's reliability and make repairs faster and easier. Special technical solutions allow the interval for most ordinary maintenance operations
- such as pin greasing and engine oil changes - to be extended up to 500 hours.

*Photos may include optional equipment.

Rear bonnets for quick engine checks, simple inspections, cleaning of the radiators and easy access to the battery.

The battery main switch is standard.

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 cm³.
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

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 toothring. Centralised lubrication of the unit.

SWING SPEED	8.9 rpm.

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/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 × 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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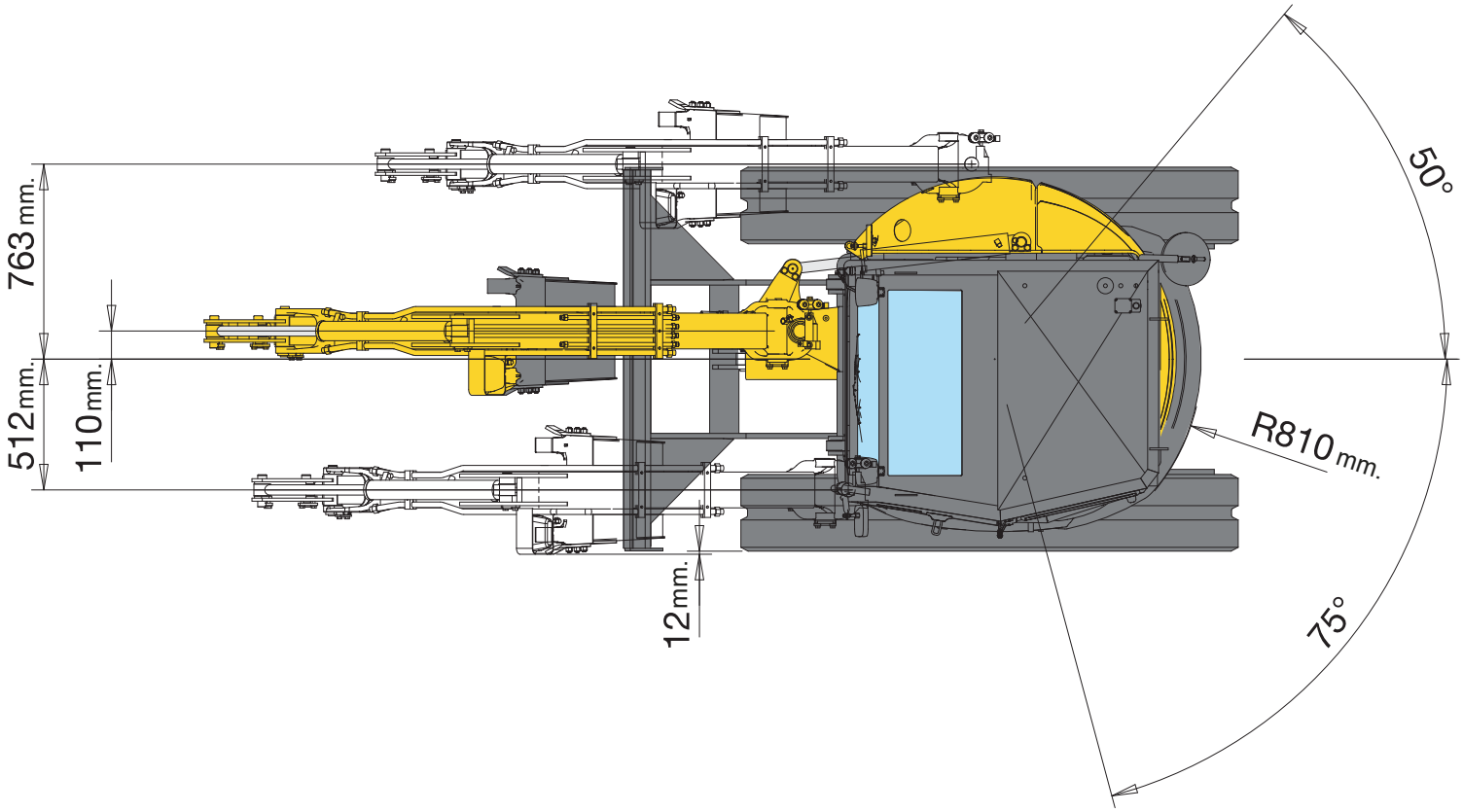
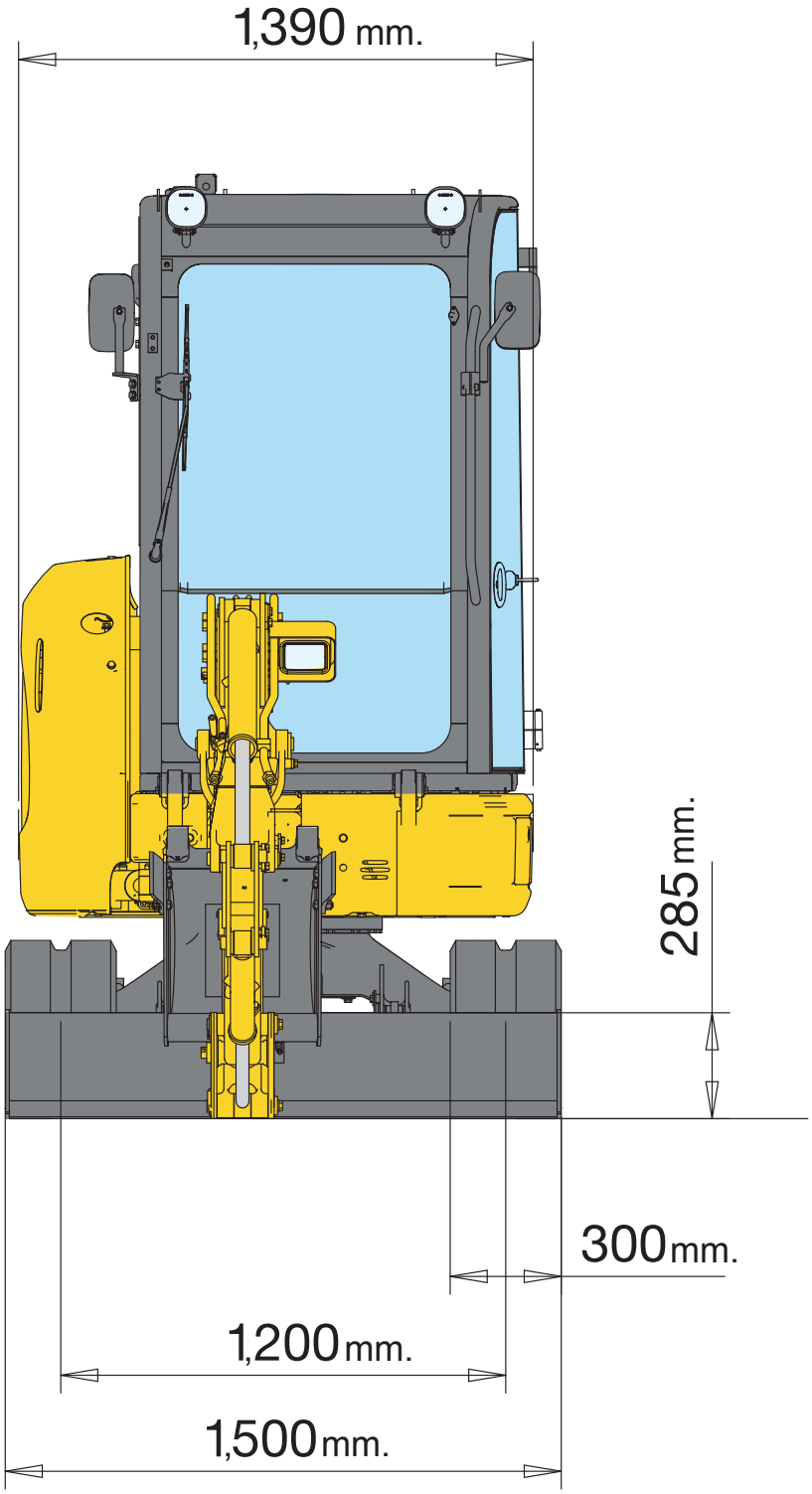
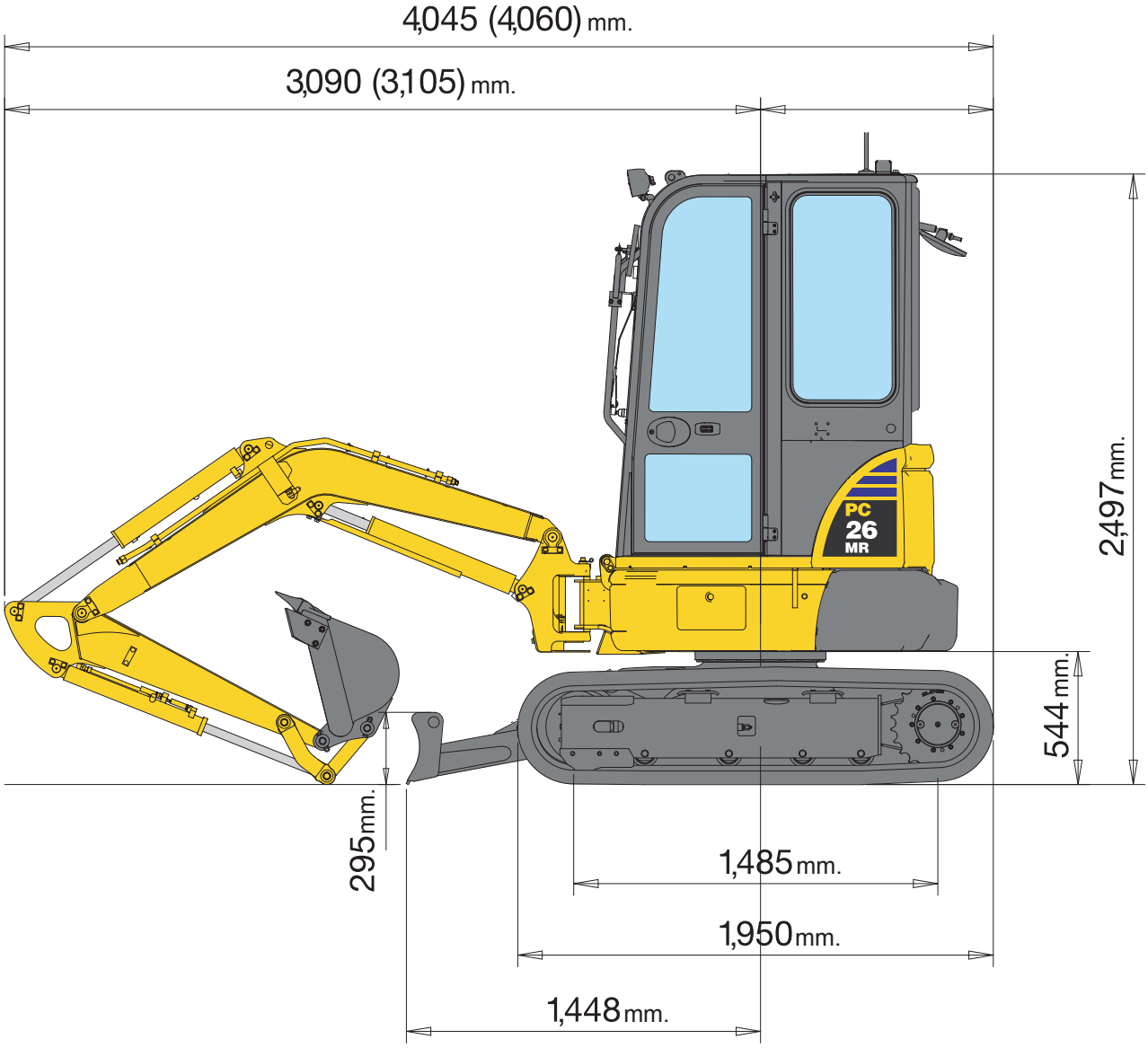
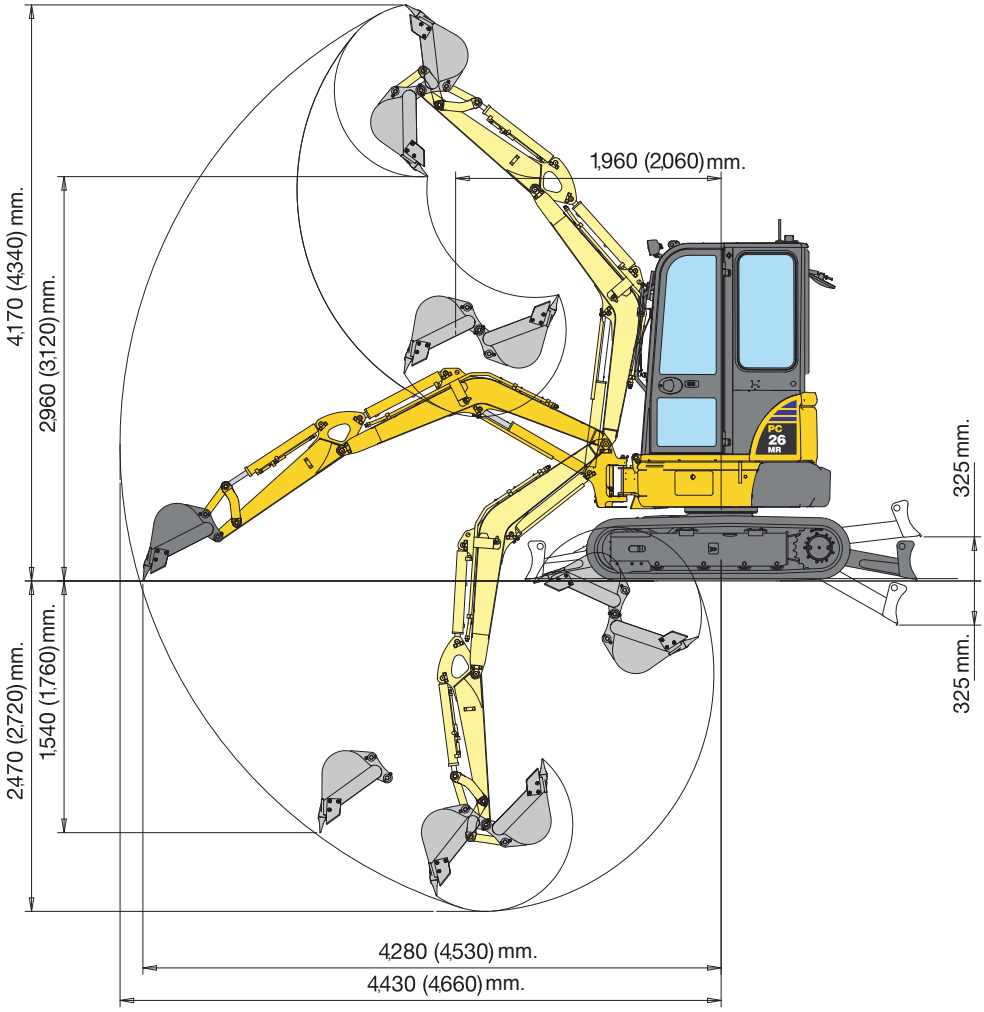
DIMENSIONS & WORKING RANGE




1,390 mm.
285 mm.
300 mm.
1,200 mm.
1,500 mm.



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.

A / B	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.

A / B	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.

STANDARD EQUIPMENT

»ROPS (ISO 3471) / FOPS (ISO 10262) 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) / FOPS (ISO 10262) 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.
»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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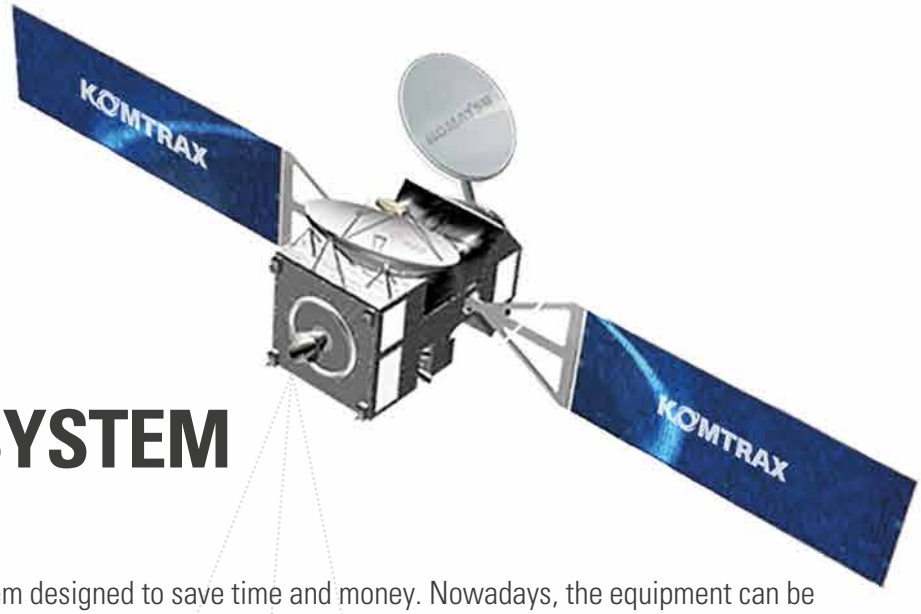
SATELLITE MONITORING SYSTEM



KOMTRAX is a revolutionary tracking system designed to save time and money. Nowadays, the equipment can be tracked anytime and anywhere. This valuable data, received via the KOMTRAX website, can be used to optimize planning of the movements and performance of the equipment.

FEATURES

» MACHINE WORKING TIME

With the "Daily Working Record" chart, get precise engine running time data: when your machine was startedand when it was shut down, as well as total engine running time.

» FLEET LOCATION

The machine list instantly locates all your machines, even those in other countries.

» ALARM NOTIFICATIONS

You can receive notification of alarms both via the KOMTRAX website and by e-mail.

» ADDED SECURITY

The "Engine Lock" feature allows to program when a machine's engine can be started. And with "Geofence", KOMTRAX sends notification every time your machine moves in or out of a predetermined operating area.

Check with your Komatsu dealer for the information available for your model and service availability in your country.

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For further information, contact your distributor or visit our website **www.komatsulatinoamerica.com**

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