



KUBOTA MIDI-EXCAVATOR - 47068

KX61-3

47068	Midi Excavator
47071	Breaker OKB150 for U17-3a / KX61-3
47072	Steel for OKB150

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With the longest reach in the 2.5-ton class, nothing escapes the KX61-3's reach including the most efficient performance.

Operate the KX61-3 midi-excavator's control levers and you've got the most efficient, on-the-job performance with your hands. That's because the KX61-3 delivers the largest digging depth and reach of all

midi-excavators with a long arm in its weight category. Even with the long arm, it amazingly generates the largest power in its class for both arm and bucket digging. Furthermore, the KX61-3's lifting power is so strong; together with a host of robust features that complete the package, making the KX61-3 the standalone leader in performance.

Variable displacement pump

For efficient operation, both the oil flow and pressure are adjusted according to the workload by the variable displacement pumps. By utilising variable pumps, a more efficient engine is selected. This gives fuel efficiency, low vibration and noise level.

Digging arm and bucket

Equipped with the longest arm, the KX61-3 delivers the largest digging depth and reach of its weight category.

Well protected front attachment hoses

To prevent accidental damage of the front hoses, they are routed through the swing bracket. Also, a metal cover plate located at the back of the boom protected the operator subject to a hose burst.

Boom cylinder protector

Thanks to a V-shaped thick plate the boom cylinder is protected from unexpected damage cause by the breaker or other attachments.

Dozer cylinder hoses

Utilising a more efficient two-piece design, the KX61-3's dozer cylinder hoses can be quickly replaced on the spot.



Protected bucket cylinder hoses

To extend service life and improve visibility, the bucket cylinder hoses are well protected having been routed through the arm.

Swing bracket bushes

To enhance durability, we've adopted bushes at all fixing / pivot points.

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A host of robust features that put a higher level of **EFFICIENCY** easily within your reach.



Deluxe cabin

To keep you operating longer, our larger cabin delivers maximum comfort. It provides more legroom, an adjustable suspension seat, a radio installation kit, plus excellent visibility. Both cabin and canopy offer the security of ROPS/FOPS.

Increased rear visibility

The KX61-3 has a 18% reduced overhang while maintaining the same level of stability as the conventional model. Now, KX61-3 offers increased rear visibility and easier operation in confined areas.

Low noise level

When designing the KX61-3 the focus was kept on being environmentally and operator friendly. Thus, the KX61-3's noise level in the cabin is an amazingly low 77dB.

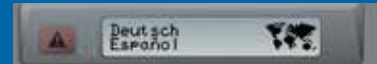
Kubota V1505-EBH engine

The powerful and reliable Kubota engine provides economical and environmentally clean power. The engine is so fuel efficient, a full tank gives 10 hours of continuous work.

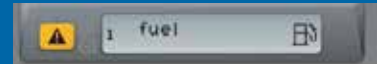
Safety lock system

To prevent unexpected machine movement, the safety lever must be raised to lock out the travel levers and pilot controls before the engine will start.

KUBOTA INTELLIGENT CONTROL SYSTEM



Language selection display



Low fuel display

2-speed travel switch

With the 2-speed travel switch relocated from the floor to the dozer lever, you'll enjoy enhanced dozer operation whenever changing travel speeds.

Wrist rest

With this new feature, to assist with smooth operation and create less operator fatigue, wrist rests are fitted as standard. Slight adjustments are easy to make, plus operation is smooth and less fatiguing.

An innovative upgrade that always keep you in tune with the KX61-3's vital signs. The Kubota Intelligent Communication Control System is equipped with warning indicators for engine, fuel, temperature and oil; a service mode that enables accurate troubleshooting, and standard indicators which display current working conditions such as engine rpm, hour meter and ore.

Boom swing /Auxiliary operation

For easier operation, the boom swing pedal and auxiliary hydraulic operations are controlled by independent pedals - with one pedal located on the right side of the floor and the other on the left side.



Standard Equipment

Engine/Fuel system

- Double element air cleaner
- Electric fuel pump

Cabin

- ROPS (Roll-Over Protective Structure, ISO 3471)
- FOPS (Falling Objects Protective Structure) level 1
- Weight-adjustable full suspension seat
- Seatbelt
- Hydraulic pilot control levers with wrist rests
- Travel levers with foot pedals
- Cabin heater for defrosting and demisting
- Emergency exit hammer
- Front window power-assisted by 2 gas dampers
- 12v power source for radio-stereo
- Location for 2 speakers and radio antenna

Undercarriage

- 300mm rubber track
- 1x upper track roller
- 3x outer flange type lower track roller
- 2 speed travel switch on dozer lever

Canopy

- ROPS (Roll-Over Protective Structure, ISO 3471)
- FOPS (Falling Objects Protective Structure) level 1
- Weight-adjustable full suspension seat
- Seatbelt
- Hydraulic pilot control levers with wrist rests
- Travel levers with foot pedals

Hydraulic system

- Pressure accumulator
- Hydraulic pressure checking ports
- Straight travel circuit
- Third line hydraulic return

Safety system

- Engine start safety system on the left console
- Travel lock system on the left console
- Swivel lock system
- Boom anti-fall circuit in the control valve

Working equipment

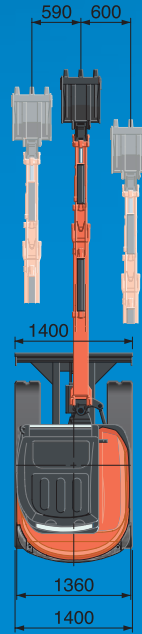
- 1050mm arm
- Auxiliary hydraulic circuit piping to the arm end
- 2 working lights on cabin and 1 light on the boom



SPECIFICATIONS

*Rubber shoe type

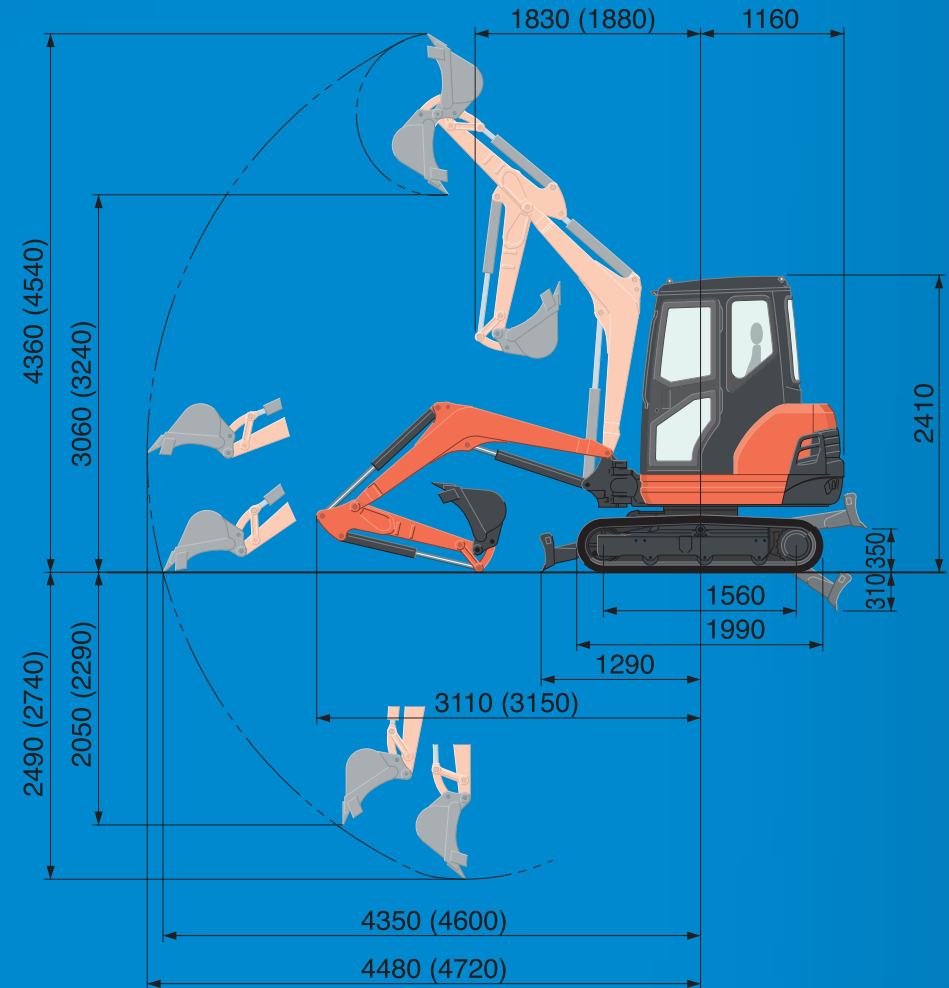
Machine weight	Cabin (Std. arm/Long arm)	kg	2590
Bucket capacity, std. SAE/CECE		m ³	0.06
Bucket width	with side teeth	mm	475
	without side teeth	mm	450
Engine	Model	V1505-E2-BH-9EU	
	Type	Water-cooled, diesel engine	
Output ISO9249	PS/rpm	24.8/2100	
	kW/rpm	18.2/2100	
Number of cylinders		4	
Bore x stroke	mm	78 x 78.4	
Displacement	cc	1498	
Overall length (Std. arm/Long arm)	mm	4270	
Overall height	Cabin	mm	2410
Swivelling speed		rpm	9.5
Rubber shoe width		mm	300
Tumbler distance		mm	1560
Dozer size (width x height)		mm	1400 x 300
Hydraulic pumps	P1, P2	Variable displacement pump	
	Flow rate	ℓ/min	29.4+29.4
	Hydraulic pressure	MPa(kgf/cm ²)	22.6 (230)
	P3	Gear pump	
Flow rate	ℓ/min	16.8	
Hydraulic pressure	MPa(kgf/cm ²)	17.2 (175)	
Max. digging force	Arm (Std./Long)	kN (kgf)	14.7(1500)
	Bucket	kN (kgf)	21.5 (2190)
Boom swing angle (left/right)	deg	80/60	
Auxiliary circuit	Flow rate	ℓ/min	46.2
	Hydraulic pressure	MPa(kgf/cm ²)	17.2 (175)
Hydraulic reservoir	ℓ	34	
Fuel tank capacity	ℓ	45	
Max. travelling speed	Low	km/h	2.8
	High	km/h	4.4
Ground contact pressure	Cabin	kPa(kgf/cm ²)	23.1 (0.236)
Ground clearance		mm	305



BREAKER SPECIFICATIONS

DESCRIPTION	Unit	OKB150
Operating Weight (including tool)	With Mount Cap	kg 210
	Without Mount Cap	mm 1,110
Overall Height (including tool)	With Mount Cap	mm 1,350
	Without Mount Cap	mm 1,110
Operating Pressure	bar	80~110
Setting Pressure	bar	150
Required oil flow	l/min	20~30
Tool Diameter	mm(inch)	45 (1.77)
Back Head Pressure	bar	16
Accumulator Pressure	bar	-
Impact Energy	Joule	416
Impact Rate	bpm	600~1200
Suitable Machine	ton	0.8~3.0

WORKING RANGE



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