KUBOTA MINI-EXCAVATOR







Reaching a higher level of performance is easy when you've got the most digging power in your class. The Kubota KX71-3 mini-excavator.

Operate the KX71-3 mini-excavator's control levers. And you've got the most efficient, on-the-job performance within your hands. That's because the KX71-3 delivers the largest digging depth and reach of all mini-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 KX71-3's lifting power is so strong. Together with a host of robust features that complete the package, making the KX71-3 the stand-alone leader in performance.



Digging arm and bucket

With the ability to deliver the most digging power, plus the efficiency of a long arm, the KX71-3 produces the largest digging depth of all long-arm mini-excavators*. Even with its long arm specification, the KX71-3 amazingly generates the biggest force for both arm and bucket digging*. Moreover, it has the ability to perform a wide range of tasks. (* In its class.)

Protected bucket cylinder hoses

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

Boom cylinder protector

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Thanks to a V-shaped thick plate, the boom cylinder is protected from unexpected damage caused by the breaker or other attachments, rocks, being loaded onto a truck, etc.

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 protects the operator subject to a hose burst.

Variable displacement pump

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

– Swing bracket bushes

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

KX7

Dozer cylinder hoses

Utilising a more efficient twopiece design, the KX71-3's dozer cylinder hoses can be quickly replaced on the spot.



Upgraded features to keep your performance up while keeping downtime down.

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 KX71-3 has a 28 % reduiced overhang while maintaining the same level of stability as our conventional model. Now. KX71-3 offers increased rear visibility and easier operation in confined areas.

Low noise level

When designing the KX71-3, we kept a focus on being environmentally and operator friendly. Thus, the KX71-3's noise level in the cabin is an amazingly low 79 dB.



Double-opening bonnet

Both daily maintenance and repairs will become fast and easy with the double-opening bonnet. When both panels are opened, virtually all components are within guick reach.



Kubota V1505-EBH engine

The powerful and reliable Kubota V1505-EBH 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

An innovative upgrade that always keeps you in tune with the KX71-3's vital signs. The Kubota Intelligent 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 more.





Boom swing / Auxiliary operation

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

2-speed travel switch

With the 2-speed travel switch re-located 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.



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 & demisting
- Emergency exit hammer
- Front window power-assisted by 2 gas dampers
- 12 V power source for radio-stereo
- Location for 2 speakers and radio
 antenna

Undercarriage

- 300 mm rubber track
- 1 x upper track roller
- 3 x 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

- 1150 mm arm
- Auxiliary hydraulic circuit piping to the arm end
- 2 working lights on cabin and 1 light on the boom

Optional Equipment

Working equipment

• 1350 mm arm (long arm)

Undercarriage

• 300 mm steel track (+ 95 kg)

Cabin

- Radio/stereo installation kit
- Safety system
- Warning buzzer
- Anti-theft device



SPECIFICATIONS

WORKING RANGE

						*Rubber shoe type	
Machina	woiał	eight Cabin (Std. arm/Long arm) kg Canopy (Std. arm/Long arm) kg			n) kg	2790/2800	
Machine	weigi				2685/2695		
Bucket o	apacit	y, sto	0.07				
Bucket	with	side 1	teeth	505			
width	witho	out si	de teeth	mm		480	
Engine	Mode	el		V1505-E2-BH-10EU			
	Туре			Water-cooled, diesel engine			
	Outo	Output ISO9249			S/rpm	27.5/2300	
	54(put 1505275			kW/rpm		20.5/2300	
	Numl	ber o	f cylinders	4			
	Bore	x stro	oke	mm	78 x 78.4		
	Displ	acem	ent	1498			
Overall	length	(Std	. arm/Long a	arm)	mm	4520/4550	
Overall	heiaht		Cabin	abin mm		2410	
overain	neight		Canopy	mm		2430	
Swivellir	ed			rpm	9.4		
Rubber shoe width						300	
Tumbler	^r distai	nce	1560				
Dozer si	ize (wi	dth x	1500 x 300				
	PI	I,P2		Variable displacement pump			
	FI	ow ra	ate	ℓ/min	32.2+32.2		
Hydrauli	ic H	ydrau	lic pressure	gf/cm ²)	23.5 (240)		
pumps	P	3		Gear pump			
	FI	ow ra	ate	ℓ/min	18.4		
	H	ydrau	lic pressure	gf/cm ²)	20.6 (210)		
		-	Arm (Std. /L	.ong) kl	N (kgf)	17.5/16.2 (1790/1650)	
Max. dig	gging t	orce	Bucket	kN (kgf)		25.2 (2570)	
Boom sv	ving a	ngle ((left/right)		deg	80/60	
		Flow	rate		ℓ/min	50.6	
Auxiliary	circuit	Hydra	aulic pressure	MPa(kgf/cm ²)		20.6 (210)	
Hydraul	ic rese	rvoir		l		34	
Fuel tan	k capa	city	45				
Max. trav	/ellina	Low		km/h		2.7	
speed		High	1	km/h		4.6	
			Cabin			26.5 (0.270)	
Ground contact pressure				Canopy kPa(kgf/cm ²)		25.0 (0.255)	
	cleara				mm 305		



(): Long Arm Unit: mm

LIFTING CAPACITY

With Cabin, Rubber shoe, Standard Arm Unit : kN (ton)											
Lift Point Height	Lifting	point radius	(2.5m)	Lifting point radius (max.)							
	Over-	front	Our an aide	Over-front		Quer side					
	Blade Down	Blade UP	Over-side	Blade Down	Blade UP	Over-side					
2.0m	5.4(0.55)	5.4(0.55)	5.4(0.55)	-	-	-					
1.5m	6.7(0.68)	6.7(0.68)	6.1(0.62)	-	-	-					
1.0m	7.9(0.81)	6.9(0.70)	5.9(0.60)	4.5(0.46)	3.4(0.35)	3.0(0.31)					
0m	8.8(0.90)	6.7(0.68)	5.7(0.58)	-	-	-					
With Cabin, Rubber shoe, Long Arm Unit : kN (ton)											
Lift Point Height	Lifting	point radius	(2.5m)	Lifting point radius (max.)							
	Over-	front	Ou se mariada	Over-front		Over side					
	Blade Down	Blade UP	Over-side	Blade Down	Blade UP	Over-side					
2.0m	4.8(0.49)	4.8(0.49)	4.8(0.49)	-	-	-					
1.5m	6.1(0.62)	6.1(0.62)	6.1(0.62)	-	-	-					
1.0m	7.4(0.75)	6.9(0.70)	5.9(0.60)	4.1(0.42)	3.3(0.33)	2.9(0.29)					
0m	8.7(0.89)	6.6(0.67)	5.6(0.57)	-	-	-					

Please note:

 The lifting capacities are based on ISO 10567 and do not exceed 75 % of the static tilt load of the machine or 87 % of the hydraulic lifting capacity of the machine.

* The excavator bucket, hook, sling and other lifting accessories are not included on this table.



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