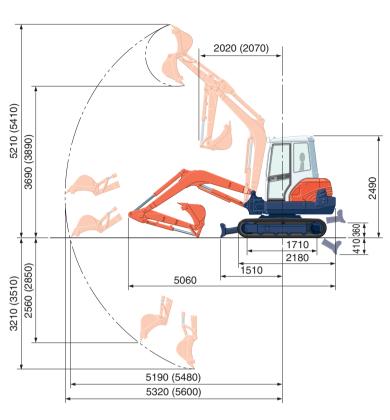
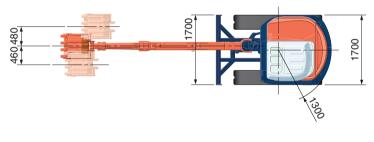
SPECIFICATIONS

		_		-	*Rubber shoe type	
Machine we	eight	Cabi	n	kg	3980	
Bucket cap	acity,	std.	SAE/CECE	m³	0.12/0.11	
Bucket	With	side t	eeth	mm	624	
width	Witho	out si	de teeth	mm	600	
	Mode	el			V2203-M-EBH-2-N	
	Туре				Water-cooled, diesel engine E-TVCS (Economical, ecological type)	
Fnaina	Output 1500240		0240	PS/rpm	40/2250	
Engine	Output ISO9249			kW/rpm	29.4/2250	
	Num	ber of	f cylinders		4	
	Bore	× Stro	oke	mm	83 × 92.4	
	Displ	acem	ent	cc	2197	
Overall len	igth			mm	5060	
Overall height Cabin			n	mm	2490	
Swivelling speed				rpm	9.4	
Rubber shoe width				mm	350	
Tumbler distance				mm	1710	
Dozer size	(widt	h × h	eight)	mm	1700 × 350	
					Variable displacement pump	
lydraulic oumps		Flow	rate	ℓ/min	94.5	
			ulic pressure	MPa (kgf/cm ²)	24.5 (250)	
	force Arm			kN (kgf)	20.5 (2095)	
Max. digging force		Buck	et	kN (kgf)	32.5 (3315)	
Boom swing angle (left/right)				deg	80/50	
		Flow	rate	ℓ/min	60	
Auxiliary ci	rcuit	Hydra	ulic pressure	MPa (kgf/cm²)	24.5 (250)	
Hydraulic 1	/draulic reservoir			l	44	
Fuel tank o	apaci	ty		l	64	
Max. trave	llina	Low		km/h	3.0	
speed	ining	High		km/h	5.0	
Ground cont	act pre	ssure	Cabin	kPa (kgf/cm²)	29.8 (0.304)	

WORKING RANGE





kN (ton)

(): Long Arm Unit: mm

Lift Point

Lift Point Height

LIFTING CAPACITY

(4m)	Lifting point radius (3m) Lifting point radius (4r					
Over-side	Over-front		Over-side	-front	Over	Lift Point Height
	Blade UP	Blade Down	Over-side	Blade UP	Blade Down	
7.4 (0.75)	8.1 (0.83)	9.1 (0.93)	9.2 (0.94)	9.2 (0.94)	9.2 (0.94)	3m
7.2 (0.74)	8.0 (0.82)	9.6 (0.98)	11.0 (1.13)	11.8 (1.20)	11.8 (1.20)	2m
7.0 (0.71)	7.8 (0.79)	10.7 (1.09)	10.4 (1.06)	11.7 (1.19)	14.9 (1.52)	1 m
6.8 (0.70)	7.6 (0.77)	11.2 (1.15)	10.0 (1.02)	11.3 (1.15)	16.3 (1.66)	0m

Axis of Rotation

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.

* Working ranges are with Kubota standard bucket, without quick coupler. * Specifications are subject to change without notice for purpose of improvement.

KUBOTA (U.K.) LTD Dormer Road, Thame Oxfordshire, OX93UN, U.K. Phone : 01844-268140 Fax:01844-216685





Lift Point Radius

KUBOTA MINI EXCAVATOR



Introducing the KX121-3 α from the recognized leader in mini excavators. Performance designed to handle all your professional needs.

New load sensing hydraulic system

Kubota introduces an advanced hydraulic system that gives a better effect on operation feeling and less fuel consumption. With this new load sensing system, the hydraulic oil flow is supplied from only one variable displacement pump. The load information on each actuator is fed back to the pump at all times and the pump distributes the appropriate oil flow to each actuator according to the amount of lever stroke. As a result, regardless of different load situations, equal movement to the hydraulic cylinder is achieved relative to the lever stroke. This makes work such as lifting and levelling much smoother. In addition, when the operation control lever is in the neutral position, the pump stops supplying unnecessary oil flow. This means the pump only supplies required oil flow. Thus, unnecessary energy waste is minimised due to eliminating excessive oil return flow to the hydraulic tank with this load sensing hydraulic system. Compared to conventional models, about 20 % of fuel can be saved carrying out similar jobs.

Enhanced digging force

A well-balanced arm and bucket provides an operator efficient digging force. In addition, by setting the maximum operating pressure at 24.5 MPa, each digging force has been enhanced by 15 % in order to increase speed of even tough digging jobs.

Boom cylinder protector

Kubota

The new, thicker steel plated Vshaped boom cylinder protector safeguards against damage from attachments, rocks or loading.

Four simultaneous operations

When simultaneous operation of the boom. arm, bucket, and swing is required such as when loading on to trucks or lifting, the pump distributes adequate oil flow to each actuator according to the amount of lever stroke without loss of speed or power, ensuring high performance digging and dozing at all times.

Control levers

Adequate lever stroke and ergonomically-designed wrist rests provide greater control ability, smoother operation and reduces operator fatigue.

Straight travel

The New Hydraulic Matching System (New-HMS) ensures straight travel even with simultaneous operation of any other circuit for safer loading/off loading and easier de-bogging.



ROPS/FOPS cabin (Level1)

The cabin offers maximum operator safety with its Roll Over Protection Structure (ROPS) and Falling Object Protection Structure (FOPS).

Third line hydraulic return

The Third Line Hydraulic Return enables greater oil flow efficiency by reducing back pressure when working with hydraulically actuated attachments, such as a hydraulic hammer.

Air conditioning (Optional)

The cab's new optional deluxe air conditioning/heater can increase cooling, heating and air ventilation for greater climate control. Plus, outside air can be introduced with one touch of the external air vent.

KX121-3Q

The KX121-3 α . Built to take excavator comfort, convenience and performance to new heights.



Easier maintenance and the durable structure are the result of our considerations to enable you to work comfortably every day.

NUT2130

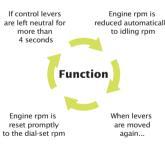
Engine inspection

Primary points like the engine and air cleaner can be inspected and maintained quickly and easily via the rear engine cover. Fuel filter and water separator are independently installed and both are located inside engine bonnet for the easier inspection. An engine inspection window is also located behind the seat for easier access to the engine's injection nozzles.

Thanks to the breaker switch's new location, simple forefinder operation is all that is required to activate the hydraulic breaker.



again, engine rpm is promptly reset to the dial-set rpm. This innovative feature not only reduces noise and exhaust emissions, but saves on fuel, energy and running costs as well.



DIGITAL PANEL



Informative, interactive and functional. Kubota's Intelligent Control System keeps you in tune of the KX121-3 α 's vital signs. It accurately displays easy to understand diagnostics of current working conditions and warning indicators for engine rpm and hour meter, as well as for fuel, temperature and oil levels. When filling-up with fuel, our panel also informs the operator that the tank is nearly full, plus alerts the operator to when routine maintenance is due. Overall, the panel reduces excavator downtime and repair fees for a decrease in total operating costs.



On the KX121-3 α , the rubber crawler design has better durability and stability when travelling. The lug pattern, with more ground contact surface and steel core positioning, are designed for better stability and less vibration when travelling. In addition, the double flange type track rollers contribute to better machine stability

Information when service time come



Kubota engine

Kubota's unique New E-TVCS (Three Vortex Combustion System) enables high energy output, low vibration, and low fuel consumption. In addition, it minimises exhaust emissions. Among a variety of Kubota engine models which are highly-renowned in the compact equipment market, the KX121-3 α opted for the most suitable engine for its machine size in both performance and economy. The ideal choice in both machine running costs and the environment.



Control valve inspection

A quick and easy inspection of the control valve is possible simply by opening the latch on the bonnet located to the right of the cabin. When more detailed maintenance or repairs are required, the remaining panels on the swing frame can be easily removed using standard tools.

Protected bucket cylinder hoses

The bucket cylinder hoses are routed within the arm to protect from damage. This ensures a longer service life and lower repair costs. Operator visibility is also improved.



Standard Equipment

Engine/Fuel system

- Double element air cleaner
- Electric fuel pump
- Auto idling system

Cabin

- ROPS (Roll-Over Protective Structure, ISO3471)
- 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 with 2 gas dampers
- 12 V power source for radio-stereo
- 2 speakers and radio antenna
- Location for radio

Undercarriage

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

Hydraulic system

- Pressure accumulator
- 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



Two piece hose design

The innovative two piece hose design on the dozer and boom cylinders of the KX121-3 α reduces hose replacement time by 60 % compared to non-joint types. What's more, this design virtually eliminates the need to enter the machine for maintenance.

Travelling lock system

Whenever the pilot control safety lever is not engaged, the travel levers are locked mechanically to prevent unexpected machine movement especially when the operator enters or exits the cabin.

Swivel negative brake

With the swivel negative brake,

- Bracket for anti-theft locking device
- Hydraulic pressure checking ports • Auxiliary switch on right control lever

Working equipment

- 1300 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

- 1600 mm arm
- Telescopic arm

Undercarriage

• 350 mm steel track (+ 220 kg)

Safety system

- Overload warning buzzer
- Anti-theft device

Cabin

• Air conditioning