

KUBOTA ZERO-TAIL SWING MINI EXCAVATOR

U30-30/2/U35-30/2



Kubota's U30-3 α 2/U35-3 α 2 are the excavators of choice for smooth simultaneous operation, powerful digging force, and superb attachment versatility.



KUBOTA ZERO-TAIL SWING MINI EXCAVATOR

$U30-3\alpha_2/U35-3\alpha_2$



With a host of advanced features, Kubota excavators deliver the security and ease of operation users demand.

ANTI-THEFT SYSTEM

The ultimate in security that's as easy as turning a key. It's the industry's first standard-equipped anti-theft system, and another original only from Kubota.



THE SYSTEM

Introducing Kubota's new simple and secure anti-theft system. Our one-key-system has an IC chip, which only starts the engine when the system recognises the appropriate key. Standard equipment includes one Red programming key, plus two Black operational keys. And up to four Black keys can be programmed. What's more, you get peace of mind knowing your construction equipment couldn't be in safer hands.

G EASY OPERATION

No special procedures needed. No PIN numbers needed. Just turn the key. Plus, our simple "one-key-security system" allows access to the cabin door and engine bonnet as well as the fuel tank.

SAFETY/SECURITY

Only "programmed keys" will enable the engine to start. Even identically shaped keys can't start the engine unless they are programmed. In fact, attempting to start the engine with an un-programmed key will activate the system's alarm. This alarm will continue even after the unprogrammed key is removed. It will only stop once a programmed key is inserted into the ignition and switched on to start the engine.

EASY PROGRAMMING

One Red programming key and two pre-programmed Black operational keys come standard. If a Black key is misplaced, or if additional Black keys are needed (a maximum of two can be added), key programming is easy. Simply insert the Red key, followed by the Black keys.



■ Programmed key





vroom...

Insert key

The excavator moves

■ Un-programmed key





Insert kev

The alarm sounds



Insert the Red programming key, then press the monitor button.





EASY OPERATION

Proportional flow auxiliary switch

A convenient thumb-operated switch enables easy operation of auxiliary equipment.

3 Auto Idling system (AI)

Whenever high engine rpm isn't needed, this system automatically reduces the engine to idling rpm, and returns it to its original setting when work resumes. This helps to reduce noise and exhaust emissions, and saves on fuel, energy and running costs.

2 2-speed switch

The advanced 2-speed travel switch allows user-friendly travel speed changes, improved operation, comfort and control.

4 Constant oil flow switch

Any attachment that requires a constant oil flow, this ON/OFF press switch enables a simple operation.





With Kubota, maintenance is fast and easy, so you can work more productively.

Engine inspection

Primary points, like the engine and air cleaner, can be inspected and maintained easily via the rear engine cover. The fuel filter and water separator are independently installed and both are located inside the steel-plated bonnet, which opens widely for quick inspection and routine maintenance. An engine inspection window is also located behind the seat for easier access to the engine's injection nozzles.



Kubota engine

Kubota's unique new E-TVCS (Three Vortex Combustion System) enables high-energy output, low vibration and low fuel consumption, while minimising exhaust emissions.

Two-piece hose design

The two-piece hose design on the dozer and boom cylinders reduces hose replacement time. What's more, this design virtually eliminates the need to enter the machine for maintenance.

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.

Front bush pins

To maximise durability, we've introduced bushings on all of the pivot points on the front attachment and connecting points on the swing bracket. Kubota even uses bushings on the swing bracket's fixed joints—between the pin and the boss—to prevent potential damage caused by shock and vibration over many years of use. This minimises attachment play and helps maintain operating precision for a long time.



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.



Standard Equipment

Engine/Fuel System

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

Undercarriage

- 300 mm rubber track
- 1 x upper track roller
- 4 x outer flange-type track roller
- 2-speed travel switch on dozer lever
- Bracket for anti-theft locking device

Hydraulic System

- Adjustable maximum oil flow on auxiliary circuit (SP1)
- Pressure accumulator
- Hydraulic pressure checking ports
- Straight travel circuit
- Third line hydraulic return
- Auxiliary switch on right control lever

Safety System

- Engine start safety system on the left console
- Travel lock system on the left console
- Swivel lock system
- Boom check valve
- Anti-theft system

Working Equipment

- 1275 mm arm (U30-3α2) 1350 mm arm (U35-3α2)
- Auxiliary hydraulic circuit piping to the arm end
- 2 working lights on cabin and 1 light on the boom

Cabin

- ROPS (Roll-over Protective Structure, ISO3471)
- FOPS (Falling Object Protective Structure) Level 1
- Weight-adjustable semisuspension 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 aerial
- Location for radio
- Cup holder

Canopy

- ROPS (Roll-over Protective Structure, ISO3471)
- FOPS (Falling Object Protective Structure) Level 1
- Weight-adjustable semisuspension seat
- Seatbelt
- Hydraulic pilot control levers with wrist rests
- Travel levers with foot pedals

Optional Equipment

Working Equipment

• 1450 mm arm (U30-3α2) 1550 mm arm (U35-3α2)

Undercarriage

• 300 mm steel track (+ 95 kg)

Safety System

- Anti-fall valve unit (boom, arm, dozer)
- Overload warning buzzer

Others

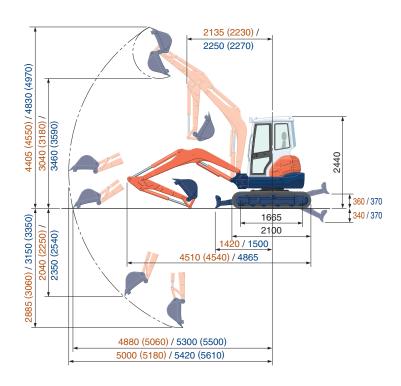
Special paint upon request

SPECIFICATIONS

*Rubber shoe type

				*Rı	ibber shoe type		
Model				U30-3α2	U35-3α2		
		Cabin	kg	3360	3590		
Machine	weight	Canopy	kg	U30-3a2	3480		
Bucket c	apacity, s	td. SAE/CECE	m³	0.09/0.08	0.11/0.10		
B .1	1.161	With side teet	h mm	495	575		
Bucket v	vidth	Without side t	teeth mm	470	550		
	Model				D1503-M- EBH-4-EC-N		
	Туре			Water-cooled, diesel engine E-TVCS (Economical, ecological type)			
Engine	Output I	SO9249	PS/rpm	26.6/2200	27.5/2300		
	Output i	303243	kW/rpm	19.6/2200	D1503-M-EBH-4-EC-N cooled, diesel engine onomical, ecological type) 200 27.5/2300 200 20.3/2300 3 83 × 92.4 1499 0 4865 2440 2440 8.9 300 1665 335 1700 × 335 displacement pump 40 40 24.5 (250) Gear Type 121.0 19.6 (200) 320 18.3 (1870) 550) 31.1 (3180)		
	Number	of cylinders	3				
	Bore × S	troke	mm	83 × 92.4			
	Displace	ment	СС	14	U35-3a2 3590 3480 0.11/0.10 575 550 D1503-M-EBH-4-EC-N ed, diesel engine 27.5/2300 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 3 20.3/2300 20.		
Overall I	ength		mm	4510	4865		
Overall I	naiaht	Cabin	mm	cc 1499 mm 4510 4865 mm 2440 mm 2440 pm 9.0 8.9 mm 300 mm 1665 mm 1550×335 1700×335 Variable displacement pum	40		
Overalli	leight	Canopy	mm		40		
Swivellir	ng speed		rpm	9.0 8.9			
Rubber	shoe widt	h	300				
Tumbler	distance		mm	1665			
Dozer si	ze (width	\times height)	mm	1550×335 1700×33			
		P1, P2		kg 3360 3590 kg 3250 3480 m³ 0.09/0.08 0.11/0.10 mm 495 575 mm 470 550 D1503-M-EBH-3-EC-N EBH-4-EC-N Water-cooled, diesel engine E-TVCS (Economical, ecological type) rpm 26.6/2200 27.5/2300 rpm 19.6/2200 20.3/2300 Typm 19.6/2200 20.3/2300 Typm 4865 Mm 4510 4865 mm 2440 mm 300 mm 30 Grant Type min 39.6 40.4 40.0			
		Flow rate	ℓ/min		40 + 40		
Hydrauli	c pumps	Hydraulic pressure	e MPa (kgf/cm²)		24.5 (250)		
Tiyuraun	c pullips	Р3			Туре		
		Flow rate	ℓ/min		21.0		
		Hydraulic pressure	e MPa (kgf/cm²)		(200)		
May dia	aina force	Arm	kN (kgf)	g 3360 3590 g 3250 3480 n 3250 3480 n 3250 3480 n 495 575 m 470 550 D1503-M-EBH-3-EC-N EBH-4-EC-N Water-cooled, diesel engine E-TVCS (Economical, ecological typ m 26.6/2200 27.5/2300 m 19.6/2200 20.3/2300 n 19.6/200 20.3/2300 n 30 n 1665 n 2440 n 2440 n 9.0 8.9 n 300 n 1665 n 1550 × 335 1700 × 33! Variable displacement pum n 39.6 40 + 40 c²) 23.5 (240) 24.5 (250) Gear Type n 20.9 21.0 fb 17.8 (1820) 18.3 (1870 fb 26.0 (2650) 31.1 (3180 g 80/50 70/50 n 39.6 40.0 c²) 23.5 (240) 24.5 (250) el 36 el 41.5 h 3.0 h 4.6 c²) 30.2 (0.31) 33.0 (0.34 c²) 29.2 (0.30) 32.0 (0.33	18.3 (1870)		
wax. uig	ging force	Bucket	kN (kgf)		31.1 (3180)		
Boom sv	ving angle	e (left/right)	deg	80/50	70/50		
A ili =	!!*	Flow rate	ℓ/min	39.6	40.0		
Auxiliary	Circuit	Hydraulic pressure	e MPa (kgf/cm²)				
Hydrauli	c reservo	ir					
Fuel tan	k capacity	,	41.5				
Max. tra	velling	Low	km/h	3.0			
speed	-	High	km/h	4	.6		
Ground	contact	Cabin I	kPa (kgf/cm²)	30.2 (0.31)	33.0 (0.34)		
pressure	2	Canopy I	kPa (kgf/cm²)	29.2 (0.30)	32.0 (0.33)		
Ground	clearance		mm	29	95		

WORKING RANGE





(): Long Arm $\mathsf{U30}\text{-}3\alpha\mathsf{2}\,/\,\mathsf{U35}\text{-}3\alpha\mathsf{2}$

 $U30-3\alpha 2$ $U35-3\alpha 2$ Unit: mm

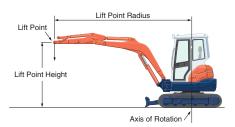
LIFTING CAPACITY

U30-3α2

*With cabin, rubber shoe and standard arm

	Lift point radius (1.5m)		Lift point radius (3m)			Max. lift point radius (4m)			
Lift Point Height	Over-front		0	Over-front		Over side	Over-front		0
	Blade Down	Blade Up	Over-side	Blade Down	Blade Up	Over-side	Blade Down	Blade Up	Over-side
2m	-	-	-	7.8 (0.80)	7.8 (0.80)	6.6 (0.67)	7.1 (0.72)	5.2 (0.53)	4.2 (0.43)
1 m	-	-	-	10.6 (1.08)	7.7 (0.79)	6.2 (0.63)	7.8 (0.79)	5.0 (0.51)	4.1 (0.42)
0m	-	-	-	12.2 (1.24)	7.4 (0.75)	5.9 (0.60)	8.1 (0.83)	4.9 (0.50)	4.0 (0.41)
-1 m	27.9 (2.85)	25.9 (2.64)	18.1 (1.85)	11.3 (1.15)	7.4 (0.75)	5.9 (0.60)	-	-	-
-2m	14.8 (1.51)	14.8 (1.51)	14.8 (1.51)	-	-	-	-	-	-

U35-3α2									kN (ton)
Lift Point Height	Lift point radius (1.5m)			Lift point radius (3m)			Max. lift point radius (4.5m)		
	Over-front		0	Over-front		0	Over-front		0
	Blade Down	Blade Up	Over-side	Blade Down	Blade Up	Over-side	Blade Down	Blade Up	Over-side
3 m	-	-	-	-	-	-	-	-	-
2m	-	-	-	9.0 (0.92)	8.9 (0.91)	8.3 (0.85)	7.4 (0.76)	4.7 (0.48)	4.4 (0.45)
1 m	-	-	-	12.4 (1.27)	8.3 (0.84)	7.7 (0.79)	7.9 (0.81)	4.6 (0.47)	4.3 (0.44)
0m	-	-	-	14.3 (1.46)	7.9 (0.80)	7.3 (0.75)	8.2 (0.84)	4.5 (0.46)	4.2 (0.43)
-1 m	20.6 (2.10)	20.6 (2.10)	20.6 (2.10)	13.8 (1.40)	7.8 (0.79)	7.2 (0.74)	-	-	-
-2m	24.7 (2.52)	24.7 (2.52)	23.9 (2.44)	10.0 (1.02)	7.9 (0.81)	7.4 (0.75)	-	-	-



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

- 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.

★ All images shown are for brochure purposes only.

When operating the excavator, wear clothing and equipment in accordance to local legal and safety regulations.

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