

For Earth, For Life  
Kubota



## KUBOTA ZERO TAIL SWING COMPACT EXCAVATOR

# U

# U35-4

The U35-4 has a new cab so spacious, so comfortable and so deluxe, you'll think you're in a 5-tonne machine.



\*This information is sourced from overseas and may not necessarily apply locally. It is essential that you confirm specifications and other information with your local Kubota dealer.

With a spacious new 5-tonne class deluxe cab, the 3.5-tonne U35-4 compact excavator brings more comfort and luxury to almost any challenge.

## AUX1 diverter valve

The diverter valve allows auxiliary oil to be diverted to the operation of auxiliary attachments without removal of the thumb attachment pipeline for increased efficiency on the go.



## Dozer Blade Float Position

The float function is a standard feature on the U35-4. Ground finishing work can be completed quickly and simply without the need to adjust the dozer height. After backfilling, simply travel backwards along the covered ditch with the dozer in the float position.



KUBOTA ZERO TAIL SWING  
COMPACT EXCAVATOR

# U35-4

# WORKABILITY





# DELUXE INTERIOR

Kubota believes that operator comfort is a top priority. That's why the U35-4 is equipped with the same spacious cab as our larger 5-tonne excavators. This roomy cab features a larger entrance, more legroom and an interior that is both luxurious and comfortable. Enhanced ergonomics allow you to perform routine operations with ease.

## Wider Entrance

The U35-4 features a much wider door and more ample foot space, making it a breeze to get on and off the excavator.





**A. Deluxe Suspension Seat**

Kubota's high back suspension seat has been designed for maximum operator comfort and to minimize fatigue during extended machine operation. The deluxe reclining seat offers weight compensation, firm adjustable wrist support and retractable seat belts.

**A**

**B. 2-speed Travel Switch**

By placing the 2-speed travel switch on the dozer lever, dozing operations can be done faster and easier.



**C. Cup Holder**

With the convenience of a bigger cup holder, you can quench your thirst and work longer without leaving the cab. Or store your cell phone. The charging port is located conveniently close by.

**D. Wrist Rest**

A thoughtfully designed wrist rest enhances operation and reduces operator fatigue.

**E. Air Conditioning**

Enhanced air circulation in the cab results from a more powerful cooling/heating unit and six vents positioned around the operator to offer optimal all weather comfort.



**TPSS**

Operators can select the ISO pattern or SAE backhoe pattern by turning a switch positioned within easy reach while seated.

**Easy-open Front Slide Window**

Unlike many excavator windows, the front glass window of the U35-4 opens with ease. Just flip the latches on the window sides and slide it up. A gas-assist mechanism makes this action almost effortless.

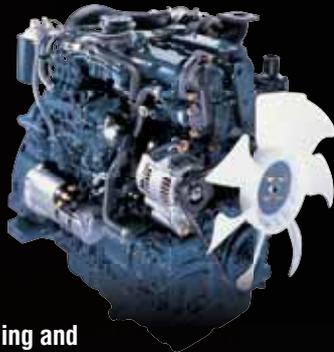


**D**

# SUPERIOR PERFORMANCE

Handle any job with confidence. The Kubota U35-4 combines superior power and outstanding versatility to tackle demanding jobs in a variety of conditions. Operate auxiliary attachments more easily than ever with precise oil flow control to the auxiliary circuit. More powerful arm breakout force combined with an array of enhanced functions results in the smooth, productive operation Kubota machines are known for.

## Kubota Original Direct Injection Engine



The U35-4 is powered by Kubota's impressive 24.8 HP direct injection engine. Engineered with the power to maximize digging and lifting performance, it also delivers minimized noise, vibration and fuel consumption.

### Proportional flow control of auxiliary circuit (AUX1) and maximum oil flow setting

Now you can conveniently program up to five different oil flow rates for specific attachments on the new digital control panel. No tools or manual adjustment is required. And, with a maximum AUX 1 circuit oil flow now up to 60 litres you can operate a larger variety of auxiliary attachments than ever before.



### Auto-shift

The U35-4 auto-shift automatically shifts travel speed from high to low, depending on traction and terrain, allowing smoother operation when dozing and turning.

### Third-line hydraulic return

A standard third-line hydraulic return system allows oil return directly to the tank without running through the control valves during operation of one-way hydraulic attachments. This decreases the likelihood of oil contamination, and results in less back pressure and greater oil flow efficiency.



### Auto idling system

When U35-4 control levers are in neutral for more than 4 seconds, engine RPM automatically idles. Move any control lever, and engine RPM immediately returns. This innovative feature not only lowers noise and exhaust emissions, but also reduces operating cost and fuel consumption.

### Large-capacity variable displacement pump

The U35-4's performance matched boom, arm and bucket movements are the best in the industry. Kubota's unique hydraulic system and large-capacity variable displacement pumps give you the precise control needed to operate smoothly and efficiently in confined quarters. With the hydraulic power harnessed in the U35-4's front working group superior digging force is available when you need it.

## Zero Tail Swing

With its counterweight protruding a mere 50 mm, the U35-4's zero tail swing proves to be highly versatile when undertaking operations wherever space is confined, eliminating costly damage to the engine hood and side panels. For added safety and improved operator visibility, the engine hood is set 125 mm inside the edge of the counterweight.



### Travel negative brake

The travel negative brake locks the tracks to prevent inadvertent movement of the machine. This keeps the excavator secure during transport or while parked on slopes.

### Swivel negative brake

The swivel negative brake automatically locks the swivel function in its current position. This prevents unexpected machine movement. It's particularly useful during work on slopes or when towing the excavator between worksites.

### Front bush pins

Bushings on all pivot points on the front attachment and connecting points on the swing bracket is one more feature that adds to the enviable durability of this machine.

## Easy Maintenance

Kubota's attention to user-friendliness can even be found in U35-4's engine layout. Primary engine components are consolidated onto one side for easier access so inspections and repairs can be made quickly and easily.

- A. Dual Element Air Cleaner**
- B. Water Separator**
- C. Fuel Filter**
- D. Starter Motor**
- E. Engine oil filter**



### Steel Panels

Durable steel side panels open easily for quick inspection and routine maintenance. Positioning inside the counterweight's edge gives panels added protection against inadvertent damage.

### Accumulator

The accumulator makes replacing attachments safer and more efficient. Turning the key to the "on" position clears residual pressure in the auxiliary hydraulic hose. If the engine is accidentally shut off while the front attachment is raised, turning the key to the "on" position allows you to safely lower it.

# MAINTENANCE

Although your Kubota excavator is state-of-the-art, its maintenance doesn't get much easier. Thanks to the full-opening rear and right side bonnets, engine, control valves and various components are accessible for easy inspection and repair.





UBOT

U35-4

# NEW DIGITAL PANEL



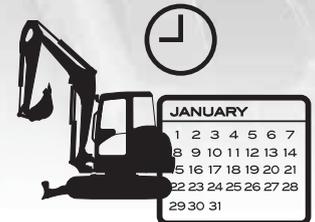
With easy access, simple settings, and easy-to-read indicators and alerts, you'll always be aware of the status of your excavator's critical functions. The wider, more visible display screen with easy push button operation puts convenience at the operator's fingertips. In keeping with Kubota's Intelligent Control System functionality, this new digital panel is more informative and user-friendly than ever.

- A. Hour Meter**
- B. Coolant Temperature**
- C. Clock**
- D. Fuel Level**
- E. Engine RPM**



## Operation History Record

Operation history is automatically recorded on the U35-4. You can trace back up to 90 days of the machine's usage dates by simply checking the built-in calendar.



**Service Mode**



**Warning Mode**



**Operation History Record**



**Max. Oil Flow Setting**

## Convenient Pre-installed Attachment Icons



AUX (Standard)



Tilt Bucket



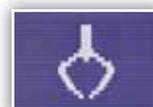
Breaker



Clamshell



Auger



Grapple



Rotary Grapple



Brush Cutter

# U35-4 OPTIONS

## STANDARD EQUIPMENT

### Safety system

- Engine start safety system
- Travel motor with disc brake
- Swivel motor with disc brake
- Travel alarm

### Working equipment

- Auxiliary hydraulic circuit 1 with proportional control on right control lever
- 2 working lights on cab/canopy and 1 light on the boom
- Dozer blade with float function

### Operator's Space

- ROPS/OPG (Top Guard Level I) canopy
- Weight-adjustable full suspension seat
- Retractable seat belt
- Hydraulic pilot control levers with wrist rests
- Travel levers with foot pedals
- Two pattern selection system
- Digital panel with diagnosis function
- 12V power source
- Cup holder
- Horn

### Engine/Fuel system

- Double element air filter
- Auto idling system
- Water separator with drain cock

### Undercarriage

- 300mm rubber track
- 1 × upper track roller
- 4 double-flange track rollers on each side
- 2-speed travel switch on dozer lever
- 2-speed travel with auto-shift

### Hydraulic system

- Pressure accumulator
- Hydraulic pressure checking ports
- Straight travel circuit
- Third line hydraulic return
- 2 variable pumps and 1 gear pump
- Adjustable maximum oil flow on auxiliary hydraulic circuits 1
- Auxiliary hold switch (AUX1) on right control lever

### Others

- Tool box
- Grease gun holder

## OPTIONAL EQUIPMENT

- Cab with A/C
- Rear working lights
- Beacon lights

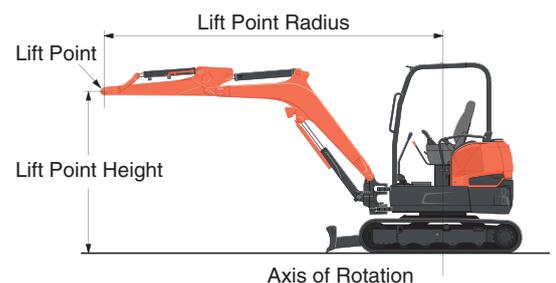
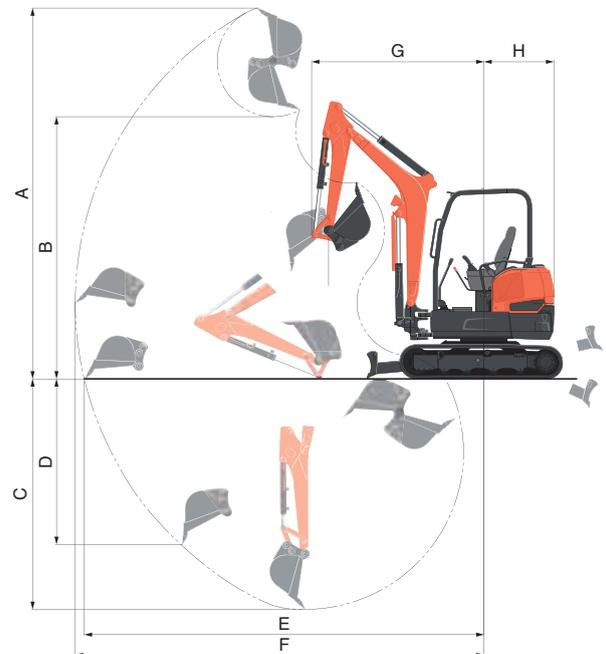
## WORKING RANGE

Model		U35-4		
A	Max. digging height	mm	4840	
B	Max. dumping height	mm	3400	
C	Max. digging depth	mm	3010	
D	Max. vertical digging depth	mm	2010	
E	Max. digging radius at ground	mm	5170	
F	Max. digging radius	mm	5280	
G	Min. turning radius	W/O swing	mm	2220
		W swing	mm	1760
H	Min. tail turning radius	mm	900	

## LIFTING CAPACITY

LIFT POINT HEIGHT (m)	LIFTING CAPACITY OVER-FRONT BLADE DOWN unit=kg				LIFTING CAPACITY OVER-SIDE unit=kg		
	LIFT POINT RADIUS (m)			LIFT POINT RADIUS (m)			
	2.5	3.5	MAX	2.5	3.5	MAX	
GL	2.5	—	560	570	—	560	410
	1.5	1040	680	580	880	530	360
	0.5	1410	820	600	820	500	350
	0	1450	850	620	800	490	360

Machine with ROPS canopy and rubber crawler, without bucket



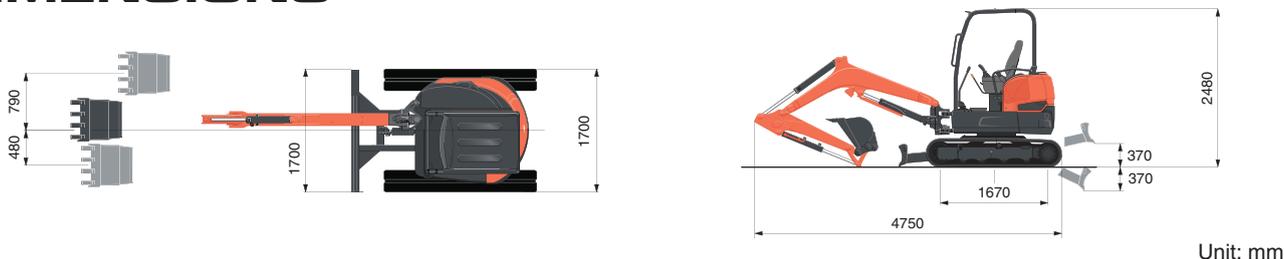
# SPECIFICATIONS

Model		U35-4		
Type of ROPS / OPG (Top Guard Level I)*		Canopy / Cab		
Type of tracks		Rubber / Steel		
Engine	Model		Kubota D1703M-DI-E4	
	Output (SAE J1995 gross)	HP (kW) / rpm	24.8 (18.5) / 2200	
	Output (SAE J1349 net)	HP (kW) / rpm	23.9 (17.8) / 2200	
	Displacement	cc	1647	
Dimensions	Overall length	mm	4750	
	Overall height	Canopy / Cab	mm	2480 / 2470
	Overall width	mm	1700	
	Min. ground clearance	mm	290	
Hydraulic system	Pump capacity	ℓ/min	39.6 × 2 / 20.9 × 1	
	Auxiliary hydraulic flow	AUX1 ℓ/min	60	
	Max. breakout force	Bucket / Arm	kgf	2810 / 1920
Drive system	Travel speed	Low / High	km/h	3.0 / 4.6
	Max. traction force	Low speed	kgf	2760
	Tumbler distance	mm	1670	
	Crawler length	mm	2090	
	Shoe width	Rubber	mm	295
	Ground contact pressure	Rubber Canopy / Cab	kPa (kgf/cm <sup>2</sup> )	34 (0.34) / 35 (0.36)
		Steel Canopy / Cab	kPa (kgf/cm <sup>2</sup> )	34 (0.34) / 35 (0.36)
Swing system	Unit swing speed	rpm	8.5	
	Boom swing angle	Left / Right	degree	70 / 48
Blade	Dimensions	Width	mm	1700
		Height	mm	340
	Max. lift above ground	mm	370	
	Max. drop below ground	mm	370	
Hydraulic oil (Reservoir / System)		ℓ	36 / 61	
Fuel reservoir		ℓ	45.0	
Operating weight (Including operator's weight @ 75 kg)	Rubber Canopy / Cab	kgs	3690 / 3830	
	Steel Canopy / Cab	kgs	3780 / 3920	

\* OPG (Top Guard Level I) in accordance with ISO10262 is equivalent in definition to FOPS (Falling Object Protective Structure).

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only. Please contact your local Kubota dealer for warranty information. For your safety, Kubota strongly recommends the use of a Rollover Protective Structure (ROPS) and seat belt for almost all applications.

## DIMENSIONS



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