KUBOTA COMPACT EXCAVATOR
KX033-4

Designed for efficiency, built for stability, and created for comfort, the new KX033-4 redefines the compact excavator.

*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.
A roomy and comfortable cabin. Impressive stability and incredible power. The KX033-4 is a compact excavator with class-busting performance.

WORKABILITY
**Extraordinary Stability and Lifting Capacity**

With the stability and lifting capacity of a much bigger machine, the 3-ton class KX033-4 offers a level of performance to efficiently handle a wide variety of tough excavating jobs. An innovative counter balance ensures superior excavator stability, while the low center of gravity and double-flanged lower track rollers deliver safe and efficient operation when working to the side with hydraulic attachments or lifting heavy objects.

**Strong Bucket Breakout Force**

When heavily loaded, the KX033-4’s outstanding bucket breakout force lets you handle even the toughest excavating jobs with speed and efficiency.

**Wide Working Range**

The KX033-4’s powerful and responsive front working group gives you the confidence to handle a wide range of digging, lifting, and loading jobs.

**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.

**Float Position**

The float function is a standard feature on the KX033-4. 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.

**Generous Approach Angle**

Navigate ramps and over obstacles with confidence—Kubota’s blade has a 32 degree approach angle.
With a larger entrance, more legroom, a spacious interior designed for comfort, and enhanced ergonomics that simplify routine operations, the KX033-4’s luxurious cabin redefines operator efficiency.

**Easy-open Front Slide Window**

Unlike many excavator windows, the front glass window of the KX033-4 opens with ease. Just flip the latches on the window sides and slide it up. A gas-assist mechanism makes this action almost effortless.

**Wider Entrance**

The KX033-4 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.

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.

*Cell phones should not be used during machine operation.

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.
Superior power and outstanding versatility give you the confidence to handle even the most challenging excavating jobs. Precise oil flow makes auxiliary attachments easier to operate. A powerful breakout force enhances productivity. And an array of enhanced functions ensures smooth operation.

**Kubota Original Direct Injection Engine**

The KX033-4 is powered by Kubota’s impressive direct injection engine. Engineered with the power to maximize digging and lifting performance, it also delivers minimized noise, vibration and fuel consumption, and is as well a non-DOC/DPF Tier 4 Final certified engine.

**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-shift**

The KX033-4 auto-shift automatically shifts travel speed from high to low, depending on traction and terrain, allowing smoother operation when dozing and turning.

**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 liters per minute you can operate a larger variety of auxiliary attachments than ever before.
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.

Large-capacity Variable Displacement Pump
The KX033-4’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 KX033-4’s front working group, superior digging force is available when you need it.

Auto Idling System
When KX033-4 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. It can be turned on and off.

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.

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.
Easy Maintenance

Kubota’s attention to user-friendliness can even be found in KX033-4’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 Separater**
- **C. Fuel Filter**
- **D. Starter Motor**
- **E. Alternator**

**MAINTENANCE**

Fully opening rear and right side hoods and easily accessible engine, control valves, and other components simplify maintenance and repair tasks to help keep your KX033-4 in peak operating condition.

**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 helps to change hydraulically driven attachments by clearing residual pressure in the hydraulic lines. It also helps to lower front attachments to the ground if the engine is turned off. Both can be done without restarting the engine. Please see the operator’s manual for more information.
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. Part of Kubota’s Intelligent Control System, the digital panel provides a wealth of user-friendly information to help keep the KX033-4 working safely and efficiently.

**Operation History Record**

Operation history is automatically recorded on the KX033-4. You can trace back up to 90 days of the machine’s usage dates by simply checking the built-in calendar.

**Convenient Pre-installed Attachment Icons**

- AUX (Standard)
- Tilt Bucket
- Breaker
- Clamshell
- Auger
- Grapple
- Rotary Grapple
- Brush Cutter
**KX033-4 OPTIONS**

**STANDARD EQUIPMENT**

**Safety system**
- Engine start safety system
- Travel motor with disc brake
- Swivel motor with disc brake
- All hydraulic control
- Travel alarm

**Working equipment**
- Auxiliary hydraulic circuit 1 with proportional control on right control lever
- 2 working lights on cab and 1 light on the boom
- Dozer blade with float function
- Thumb bracket and relief valve

**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**
- 11.8” (300mm) rubber track
- 1 × upper track roller
- 5 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 switch (AUX1) on right control lever

**Others**
- Tool box
- Grease gun holder

**OPTIONAL EQUIPMENT**
- Cab with A/C

**WORKING RANGE**

<table>
<thead>
<tr>
<th>Model</th>
<th>KX033-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Max. digging height (mm)</td>
</tr>
<tr>
<td>B</td>
<td>Max. dumping height (mm)</td>
</tr>
<tr>
<td>C</td>
<td>Max. digging depth (mm)</td>
</tr>
<tr>
<td>D</td>
<td>Max. vertical digging depth (mm)</td>
</tr>
<tr>
<td>E</td>
<td>Max. digging radius at ground (mm)</td>
</tr>
<tr>
<td>F</td>
<td>Max. digging radius (mm)</td>
</tr>
<tr>
<td>G</td>
<td>Min. turning radius W/o swing (mm)</td>
</tr>
<tr>
<td></td>
<td>W swing (mm)</td>
</tr>
<tr>
<td>H</td>
<td>Min. tail turning radius (mm)</td>
</tr>
</tbody>
</table>

**LIFTING CAPACITY**

<table>
<thead>
<tr>
<th>Canopy rubber</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIFT POINT HEIGHT (m)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>LIFT POINT RADIUS (m)</td>
</tr>
<tr>
<td>2.5</td>
</tr>
<tr>
<td>1.5</td>
</tr>
<tr>
<td>0.5</td>
</tr>
<tr>
<td>GL</td>
</tr>
</tbody>
</table>

Machine with ROPS canopy and rubber crawler, without bucket.
## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>KX033-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of ROPS / OPG (TOP Guard, Level I)</td>
<td>Canopy / Cab</td>
</tr>
<tr>
<td>Type of tracks</td>
<td>Rubber / Steel</td>
</tr>
</tbody>
</table>

### Engine

<table>
<thead>
<tr>
<th>Model</th>
<th>Kubota D1703M-DI-E4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output (SAE J1995 gross) HP (kW) / rpm</td>
<td>24.8 (18.5) / 2200</td>
</tr>
<tr>
<td>Output (SAE J1349 net) HP (kW) / rpm</td>
<td>23.2 (17.3) / 2200</td>
</tr>
<tr>
<td>Displacement</td>
<td>cc 1647</td>
</tr>
</tbody>
</table>

### Dimensions

| Overall length | mm 4730 |
| Overall height | mm 2480 / 2470 |
| Overall width | mm 1550 |
| Min. ground clearance | mm 290 |
| Boom offset | Right / Left mm 410 / 450 |
| Blade lift | Upper / Low mm 365 / 375 |

### Hydraulic system

| Pump capacity t/min | 39.6 × 2 / 20.9 × 1 |
| Auxiliary hydraulic flow t/min | 60 |
| Max. breakout force | Bucket / Arm kgf 3694 / 1756 |

### Drive system

| Travel speed | Low / High km/h 3.0 / 4.6 |
| Max. traction force | Low speed kgf 2763 |
| Tumbler distance | mm 1665 |
| Crawler length | mm 2100 |
| Shoe width | Rubber / Steel mm 300 |
| Ground contact pressure | Canopy Rubber / Steel kgf/cm² 0.307 / 0.315 |
| | Cab Rubber / Steel kgf/cm² 0.321 / 0.329 |

### Swing system

| Unit swing speed | rpm 8.9 |
| Boom swing angle | Left / Right degree 70 / 48 |

### Blade

| Width | mm 1550 |
| Height | mm 345 |
| Max. lift above ground | mm 365 |
| Max. drop below ground | mm 375 |

### Swing system

<table>
<thead>
<tr>
<th>Angle</th>
<th>Left / Right degree</th>
</tr>
</thead>
</table>

### Hydraulic oil (Reservoir / System)

| | i 44.6 / 61 |

### Fuel reservoir

| | i 46.9 |

### Operating weight

| Canopy Rubber / Steel kgf 3365 / 3454 |
| Cab Rubber / Steel kgf 3511 / 3600 |

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.