KUBOTA COMPACT EXCAVATOR

KX040-4

The superior compact excavator that combines exceptional strength and versatility with performance and user-friendly operation.
Superior 4-ton muscle and clean engine performance make the KX040-4 the ideal choice for the urban jungle.

CLEAN AND POWERFUL EXCAVATOR
Common Rail System and Diesel Particulate Filter (DPF) muffler

The Common Rail System (CRS) electronically controls the fuel injection timing and amount in stages rather than all at once for optimal combustion. The results are greater efficiency, better fuel economy and less engine noise. Its combination with the Exhaust Gas Recirculation (EGR) and Diesel Particulate Filter (DPF) Muffler reduces harmful emissions to make the KX040-4 Tier IV-compliant.

Automatic regeneration system

Kubota’s original automatic regeneration system automatically burns accumulated particulate matter (soot) in the DPF muffler to keep the muffler clean for longer operation. For safety reasons, automatic regeneration can be turned off with the inhibit switch when the excavator is operating in areas that are prone to fires.
The KX040-4 raises the standard in 4-ton excavator comfort with a spacious cab that rivals 5-ton excavators. The luxurious cab features a wider entrance, greater legroom and a deluxe seat. Operability is greatly enhanced with more easy-to-use features than ever before.

**New spacious cab**
Designed for greater comfort, the new large cab with a fully flat floor provides more legroom to minimise fatigue.

**Easy-open front side window**
Unlike many excavator windows, the front glass window of the KX040-4 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 KX040-4’s larger cab provides a much wider door and more ample foot space, to make getting on and off the excavator a breeze.
A. Deluxe suspension seat
Designed and engineered to fit better and to keep you working longer comfortably, Kubota’s high-back suspension seat reduces strain and minimizes operator fatigue. It reclines to accommodate your individual posture, and offers weight compensation, firm and 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.

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

E. Air conditioning
The overall air circulation in the cab has been improved, thanks to a stronger cooling/heating unit and the positioning of six vents around the operator to offer better all-round comfort.

Fully flat floor
For added comfort, the cabin floor is completely flat for greater legroom and a more spacious feel.
Superior Performance

AUX1 diverter valve
With the AUX1 diverter valve, the AUX oil supply can be changed without having to remove the thumb pipeline when the operator wants to use a hydraulic attachment.

Proportional flow control of auxiliary circuit (AUX1/2) and maximum oil flow setting
The KX040-4 is available with a standard AUX1 and optional AUX2 auxiliary circuits. The convenient thumb-operated switch on the lever allows easy proportional flow control of the auxiliary circuit, while a forefinger-operated on/off switch enables simple operation of special applications that require a constant oil flow. The maximum oil flow setting is conveniently adjustable from the digital panel. Up to five flow rates corresponding to specific attachments can be programmed in the memory on the digital panel for easy retrieval for the next job.

Strong bucket breakout
Even when heavily loaded, the KX040-4 won’t slow down, thanks to its powerful breakout force. With the pin-on or quick coupler bucket, the bucket breakout force is more than enough for even the toughest excavating jobs.

Third line hydraulic return
When working with one-way hydraulic attachments, such as a breaker or brush cutter, the standard third-line hydraulic return system allows oil to flow directly back to the tank without running through the control valves. This contributes to less oil contamination, reduced back pressure, and greater oil flow efficiency.

Thumb bracket and relief valves
The hydraulic thumb makes short work of a variety of loading and material handling jobs. The factory installed mount brackets and hydraulics significantly reduce the time needed to mount accessories.
Hydraulic 6-in-1 Blade Models

Kubota’s hydraulic 6-in-1 Blade can be angled right and left, and now, tilted as well. This blade enables six different positions: neutral, float-up, left-end-up, right-end-up, left-end-forward and right-end-forward. This feature makes leveling and backfilling work incredibly easy, even on inclines and uneven terrain, making you more productive and more efficient.

**Tilt blade control**

The 6-in-1 blade is a true productivity enhancer, and operation is now even more rewarding. Blade up, down, and float functions are the same as the previous model. Operate the rocker switch on top of the blade control to tilt the blade 10° up or down, and simply twist the control handle to angle the blade 25° left or right. Command all six functions simultaneously for more convenient control of landscaping, shaping, and backfilling jobs.

**Superior width and tilt angle**

This 5’ 10.9”-wide blade stretches across the entire machine width, even when tilted. It can be tilted a generous 10 degrees right or left, allowing the operator to dig ditches easily when tilted on a flat surface.

**Bolt-On cutting Edge (BOE)**

The cutting edge protects the angle blade during heavy-duty dozing operations. The reversible cutting edge is divided into two sections to easily invert the edge for continued use.

**Tie-down/lift points**

The dozer blade’s thick side plates improve the tie-down point’s durability. Use them also as lifting points, along with the lifting point on top of the boom, for convenient 3-point crane lifting of the KX040-4.
Angle Blade control
Simply operate the rocker switch on the top of the blade lever to angle the blade up to 25° left or right. Work more efficiently and save time pushing soil to the side as the machine moves forward. After backfilling, just travel backward along the covered trench with the dozer in the float position for a beautiful finish!

What makes our Angle Blade excavator so productive? Check it out.

With Angle Blade
Moving only in a forward direction one time, which is equivalent to a trencher backfilling its one side, the KX040-4 Angle Blade excavator backfills smoothly and efficiently.

Without Angle Blade
Without the angle blade feature, time-consuming, repetitive repositioning at right angles to the trench is required.

Float position
The float function is a standard feature on the KX040-4. 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.

Fully locked hydraulic system
An Engine Start Lockout System prevents the engine from starting when the safety levers are lowered. A Safety Lever Lockout System helps prevent unexpected excavator and attachment movement when entering or exiting the machine. An Auto House Parking Brake automatically locks the house in the position it was in when the engine was shut off, eliminating the need for a swing lock pin. It also makes the excavator more compact during transport and more secure when parked on an incline.

TPSS
The Two-Pattern Selection System positioned under the seat allows the operator to shift control styles conveniently while seated. A simple turn of a switch is all it takes to select between the ISO pattern and the SAE backhoe pattern.
The KX040-4 has the power and versatility to take on almost any task even in the toughest conditions. Combined with improved digging and lifting power, and smoother travel performance, it can get the job done right!

**Auto down shift**

The auto down shift system enables automatic travel shift from high to low depending on traction effort and terrain. This gives smoother simultaneous operations when dozing and turning.

**Auto idling system**

Save fuel with Kubota’s Auto Idle. When the control levers are in neutral for more than 4 seconds, the engine RPM automatically idles. Move any control lever and the engine RPM immediately returns. This innovative feature reduces noise and exhaust emissions while reducing operating costs.

**ROPS/OPG (TOP Guard, Level I) canopy and cabin**

The OSHA-certified ROPS/OPG (Top Guard, Level I) canopy and cabin provide protection in the event of accidental rollovers and falling objects.

[Image of KX040-4 excavator]
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 hoods, engine, control valves and various components are accessible for easy inspection and repair.
Kubota has a reputation for quality products that are consistently reliable, offering operators an unrivaled level of confidence and peace of mind. Every component of the KX040-4 has been thoroughly engineered for a longer lifecycle, providing the power you demand and the durability you deserve.

**Centralized swivel bearing lubrication**
Grease ports for the swivel bearing, gear teeth, and swing cylinder pin are conveniently grouped on the front of the house.

**Front pin bushings**
To maximize durability, we’ve introduced bushings on all of the pivot points on the front attachment and connecting points on the swing bracket.

**Protected cylinder hoses**
The bucket cylinder hoses are located inside the arm. And the boom cylinder hoses are routed under the boom bottom.

**Two-piece hose design**
The two-piece hose connections for the dozer cylinder hoses simplify hose replacement and reduce downtime.

**Dual element air filter**
Excavators often operate in dusty conditions. To maintain outstanding engine durability, dual element air filters help ensure that only clean air enters the engine.
Following the excellence of Kubota’s Intelligent Control System, the new digital panel puts convenience at the operator’s fingertips. Featuring easier button operation, the user-friendly digital panel is positioned to the front right corner of the operator. This operator-facing wider display greatly improves visibility. With easier access, simpler settings, easy-to-read indicators and alerts, you’ll always be aware of the excavator’s functioning status.

### Operation history record

Operation history is automatically recorded on the KX040-4. You can trace back up to 90 days of the machine’s usage dates by simply checking the built-in calendar.

### Automatic regeneration mode

The automatic regeneration system automatically burns particulate matter (soot) that accumulates in the diesel particulate filter (DPF) muffler. The soot is burned when the engine is operating at sufficient engine speed for regeneration. If the engine speed is lower than the required level for regeneration, the indicator requests an increase in the engine speed to keep the accumulation level low and the DPF clean. A service call or DPF filter replacement is required when the accumulated soot reaches a level that reduces the engine speed.

**Standard mode**

A. Hour meter  
B. Coolant temperature  
C. Clock  
D. Fuel level  
E. Engine RPM

**Operation history record**

- Travel meter  
- Gear Oil  
- Fuel Sensor  
- Error

**Service mode**

**Warning mode**

**Max. oil flow setting**

(AUX1 and optional AUX2)
**KX040-4 OPTIONS**

### STANDARD EQUIPMENT
- **Safety system**
  - Engine start safety system
  - Travel motor with disc brake
  - Swivel motor with disc brake
  - All hydraulic control
- **Working equipment**
  - Auxiliary hydraulic circuit 1
  - 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
  - 12V power source
  - Cup holder
  - Horn
- **Engine/Fuel system**
  - Double element air filter
  - Auto idling system
  - Water separator with drain cock
- **Undercarriage**
  - 11.8” (350 mm) 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**
  - 1-pump load sensing system
  - Pressure accumulator
  - Hydraulic pressure checking ports
  - Straight travel circuit
  - Third line hydraulic return
  - Auxiliary switch (AUX1) on right control lever
  - Adjustable maximum oil flow on auxiliary hydraulic circuits 1
- **Others**
  - Tool box
  - Grease gun holder

### WORKING RANGE

<table>
<thead>
<tr>
<th>Model</th>
<th>KX040-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Max. digging height ft. in. (mm) 17’6&quot; (5335)</td>
</tr>
<tr>
<td>B</td>
<td>Max. dumping height ft. in. (mm) 12’9.5&quot; (3900)</td>
</tr>
<tr>
<td>C</td>
<td>Max. digging depth ft. in. (mm) 11’2.7&quot; (3420)</td>
</tr>
<tr>
<td>D</td>
<td>Max. vertical digging depth ft. in. (mm) 7’4.8&quot; (2255)</td>
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<tr>
<td>E</td>
<td>Max. digging radius, at ground level ft. in. (mm) 17’9&quot; (5410)</td>
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<tr>
<td>F</td>
<td>Max. digging radius ft. in. (mm) 18’2.1&quot; (5540)</td>
</tr>
<tr>
<td>G</td>
<td>Min. turning radius ft. in. (mm) 7’1.8&quot; (2180)</td>
</tr>
<tr>
<td>H</td>
<td>Min. tail turning radius ft. in. (mm) 4’3.2&quot; (1300)</td>
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</tbody>
</table>

### LIFTING CAPACITY

**Cab rubber**

<table>
<thead>
<tr>
<th>LIFT POINT HEIGHT (ft)</th>
<th>LIFTING CAPACITY OVER-FRONT BLADE DOWN unit=1000 lbs</th>
<th>LIFTING CAPACITY OVER-SIDE unit=1000 lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LIFT POINT RADIUS (ft)</td>
<td>LIFT POINT RADIUS (ft)</td>
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<td>2.32</td>
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<tr>
<td>0</td>
<td>4.25</td>
<td>2.43</td>
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</tbody>
</table>

Machine with cab and rubber crawler, without bucket, with standard blade

**OPTIONAL EQUIPMENT**
- 6 in 1 blade with float function and BOE
- Angle blade with float function and BOE
- Cab with A/C
- Canopy lights
- Beacon lights
- 11.8” (350 mm) steel track
- Additional auxiliary hydraulic circuit 2 (adjustable max. oil flow control)
- Travel alarm
- Mirror kit
- Cab radio
- Hydraulic breaker
- Hydraulic thumb
- Pin-on and quick attach buckets
# SPECIFICATIONS

## Model
- **KX040-4**
- **KX040-4 Angle Blade**
- **KX040-4 6-in-1 Blade**

## Type of ROPS / OPG (TOP Guard, Level I)*
- **Canopy / Cab**

## Type of tracks
- **Rubber / Steel**

### Engine
- **Model**: Kubota D1803-CR-TE4
- **Output (SAE J1995 gross)**: HP (kW) / rpm
  - 40.4 (30.1) / 2200
- **Output (SAE J1349 net)**: HP (kW) / rpm
  - 38.9 (29.0) / 2200
- **Displacement**: cu. in. (cc)
  - 111.4 (1826)

### Dimensions
- **Overall length**: ft. in. (mm)
  - 81.8" (2085) / 81.8" (2085)
- **Overall height**: Canopy / Cab ft. in. (mm)
  - 5'6.9" (1700) / 5'6.9" (1700)
- **Overall width**: ft. in. (mm)
  - 5'10.9" (1800) / 5'10.9" (1800)
- **Min. ground clearance**: in. (mm)
  - 12.99" (330)

### Hydraulic system
- **Pump capacity**: GPM (l/min)
  - 17.2 (65) / 9.8 (37)
- **Auxiliary hydraulic flow**: AUX1 / AUX2 GPM (l/min)
  - 9535 (3425) / 4112 (1865)

### Drive system
- **Travel speed**: Low / High mph (km/h)
  - 1.8 (2.9) / 3.1 (5.0)
- **Max. traction force**: Low speed lbf. (kgf)
  - 9747 (4420)
- **Tumbler distance**: ft. in. (mm)
  - 57.3" (1450)
- **Crawler length**: ft. in. (mm)
  - 71.6" (1820)
- **Shoe width**: ft. in. (mm)
  - 11.8" (300)
- **Ground contact pressure**: psi (kPa)
  - 4.53 (31.2) / 4.68 (32.3)

### Swing system
- **Unit swing speed**: rpm
  - 9.2
- **Boom swing angle**: Left / Right degree
  - 70 / 55

### Blade
- **Width**: ft. in. (mm)
  - 5'6.9" (1700)
- **Height**: ft. in. (mm)
  - 5'10.9" (1800)
- **Max. lift above ground**: ft. in. (mm)
  - 1'3.7" (405)
- **Max. drop below ground**: ft. in. (mm)
  - 1'4.9" (430)
- **Angle**: Left / Right degree
  - 25 / 25

### Hydraulic oil (Reservoir / System)
- **Rubber / Canopy / Cab**: psi (kPa)
  - 4.53 (31.2) / 4.68 (32.3)
- **Steel / Canopy / Cab**: psi (kPa)
  - 4.61 (31.8) / 4.76 (32.8)

### Fuel reservoir
- **Rubber / Canopy / Cab**: gal (l)
  - 11.1 (42) / 19.6 (74)
- **Steel / Canopy / Cab**: gal (l)
  - 16.9 (64)

### Operating weight (Including operator’s weight @ 175 lbs.)
- **Rubber / Canopy / Cab**: lbs. (kg)
  - 9195 (4170) / 9500 (4310)
- **Steel / Canopy / Cab**: lbs. (kg)
  - 9350 (4240) / 9655 (4380)

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* 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.

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## DIMENSIONS

**6-in-1 Blade**

**Angle Blade**

**Unit**: ft. in. (mm)

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