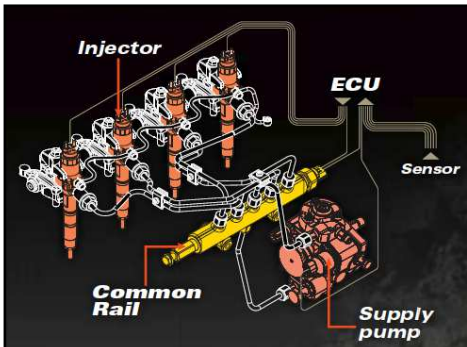


# KX

## KX080-4

# FEATURES



### 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 great 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 KX080-4 Tier IV compliant.



### Automatic Regeneration System

Kubota's original automatic regeneration system automatically burns accumulated particulate matter (soot) in the DPF muffler when the engine exceeds 1800 rpm 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.



### Introducing ECO PLUS®

Kubota's original ECO PLUS® prioritizes fuel economy, and supports the environment.

For tough digging applications, use Standard Mode and experience a 5% productivity improvement over the prior model and use less fuel, up to 12% less.



### Proportional Flow Control of Auxiliary Circuits (AUX1/2) and Maximum Oil Flow Settings

An auxiliary circuit (AUX2) comes standard on the KX080-4. The convenient thumb-operated switch 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. You can even program up to five oil flow rates corresponding to specific attachments so they can be quickly retrieved for the next job.

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### **Adjustable Maximum Oil Flow Control for Auxiliary Port**

This unique function lets you control the oil flow and eliminates the hassle of using tools to change settings manually. The system will even store your settings for the next time you need it. Adjustable oil flow enhances performance and saves fuel.



### **Auto Idling System**

Save fuel with Kubota's Auto Idle. Reduce engine RPM instinctively when high engine speed isn't needed. 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.



### **Hydraulic Angle Blade (option)**

Save time and work more efficiently. With a simple movement of the dozer lever, the hydraulic angle blade can be angled to the right or left to push soil to the side as the machine moves forward, eliminating the need for repetitive repositioning at right angles when backfilling trenches.

### **Tight Tail Swing and Compact Machine Width**

Thanks to its contoured, tight tail design created by the shorter rear overhang, the KX080-4 has excellent stability, can handle a wider range of loads, and can work in more restrictive spaces. The compact 7'2.6" width of the under-carriage makes it ideal for working in close conditions, and much easier to transport between job sites.

### **Industrial Digging Force**

You need exceptional power when trenching through compacted soil. With the KX080-4, elevated productivity levels are certain with the combination of 14,660 lbs. bucket force and 8,554 lbs. arm forces. The KX080-4 powers through those demanding applications so that you can quickly move on to the next job.

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### Auto-Shift

Now your excavator moves how you want it to—even at high speeds. When working with heavy loads, making turns or backfilling trenches, the system automatically downshifts for more torque. This shift is so smooth and seamless you'll feel as though you've never left high speed.

### 3-pump Load-sensing Hydraulic System

Kubota's load-sensing hydraulic system guarantees smoother handling, regardless of load size. It allows hydraulic oil to flow according to your precise needs. The KX080-4's new 3-pump load-sensing system also allows you to perform simultaneous operations, such as dozing and utilizing front attachments, without losing speed.



### New Digital Panel

Informative, interactive and functional, Kubota's Intelligent Control System LCD panel accurately displays timely diagnostic readings and routine maintenance alerts. You'll be kept informed of your current working conditions, engine RPM, temperature and oil levels. These new features help reduce downtime and costly repair fees.



### Easy-open Front Window

Unlike many excavator windows, the front glass window of the KX080-4 opens with ease. Just flip the latch on the side of the window and slide it up. A gas-assist mechanism makes this action almost effortless.



### New Air Conditioner

Overall air circulation in the cab has been improved, thanks to a stronger cooling/heating unit and the positioning of six vents. Airflow is also directed towards the operator's face for better all-round comfort.

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### Window Guard (Optional)

Operators need protection from flying chips and debris when using some attachments. On some sites anti-vandalism is important. Kubota provides the window guard mounting points around the front window as a standard feature.



### Advanced Visibility Mirrors

Kubota has reshaped the rearview mirror to offer a wider range of visibility. Together with the two side-view mirrors, you get a better view of your worksite, as well as your immediate surroundings.

### Cab Guttering

The KX080-4 now features a guttering system to the cab's roof. This helps prevent rainwater from entering the cab, even when the window is open on a rainy day.

### Two-piece Hose Design

Kubota's innovative two-piece hose design for the dozer blade reduces hose replacement time by nearly 60% compared to non-joint types. This design virtually eliminates the need to enter the machine for maintenance.

### Underbody Cover

The underbody beneath the engine features a mesh cover to prevent gravel and soil from entering.

# KX

## KX080-4

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### Steel Crawler (Optional)

A rugged steel crawler is an excellent option for using your KX080-4 on worksites that may compromise the durability or integrity of the standard rubber crawler. In addition to an 18-inch crawler, an extra-wide 24-inch model is available for increased floatation.



### One-sided Engine Maintenance



### Triple Opening Hood

All three of the excavator's access panels can open at once. This allows you to easily inspect and view the centrally located components of the KX080-4. You can easily access the hydraulic components under the center hood, or the battery, oil filter and tool box under the right hood. Maintaining your excavator has never been this easy.

### 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 inclines or when transporting the excavator between worksites.

### Variable Fan

The variable fan drive provides the right amount of cooling efficiency by regulating the engine fan speed according to the ambient temperature after the air passes through the radiator. The benefits are reduced fan noise and fuel savings through effective use of engine output.

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### **Double Structure Muffler**

The double structure muffler controls increases in muffler temperature caused by automatic regeneration of the DPF.



### **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.



### **ROPS/OPG (Top Guard, level I) Cabin**

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