

Engine output: **16.0 PS / 11.8 kW**

Machine weight (Cabin/Canopy): **1,720 / 1,620 kg**

**For Earth, For Life**  
**Kubota**

# KX018-4

**KUBOTA MINI EXCAVATOR**





# SUPERIOR PERFORMANCE

Kubota's new KX018-4 mini excavator raises the standard in the 1.5-2.0 tonne category with a powerful digging force and a wider working range that rival higher-end excavators. And with enhanced accessibility to sites such as roadsides or residential areas, the KX018-4 gets the jobs done easier from large construction areas to the tightest of places.





# SUPERIOR PERFORMANCE

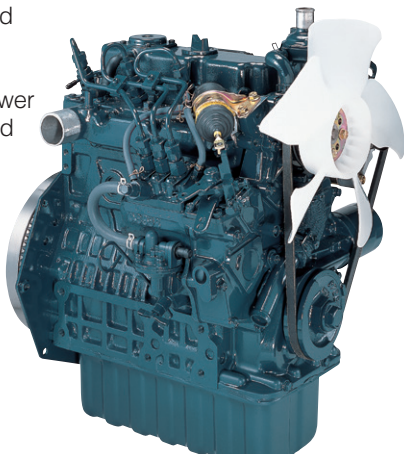


## Enhanced digging force

The KX018-4 delivers an impressive bucket digging force. Its powerful and well-balanced arm and bucket allow the operator to dig faster and more efficiently even in the toughest conditions.

## Kubota original engine

The KX018-4 is powered by Kubota's impressive D902 15.8 PS engine. Engineered with the power to maximise digging and lifting performance, it also delivers minimised noise and vibration, meeting the engine emission regulations.

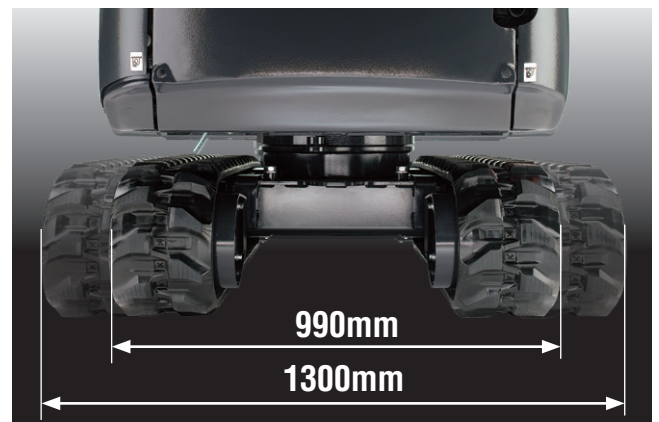


## Short-pitched rubber crawler and double-flanged track rollers

The KX018-4 features a short-pitched rubber crawler that minimises vibration. Double-flanged rollers improve stability and travel performance.

## Variable track gauge

To optimise stability when using heavy attachments, the KX018-4 tracks can be expanded to a maximum of 1,300mm and retracted to 990mm to make passing through narrow doorways and tight work possible. Either adjustment can be made in just seconds by operating the independent track gauge lever.



## Auto-shift

The auto-shift system enables automatic travel shift between high and low depending on traction effort and terrain. This gives smoother operations when dozing and turning.



# DELUXE INTERIOR

Offering one of the largest cabins in its class with ample legroom, adjustable seating and a wide door, the KX018-4 brings more comfort to tough work. Combined with the handy new multifunctional digital panel, operations are now easier than ever.





# DELUXE INTERIOR



## Spacious cabin

To minimise fatigue, our new larger cabin delivers more comfort over our previous model. It provides more legroom with a flat floor plus an adjustable suspension seat.

## Easy cabin entry and exit

Increasing the cabin door width by 30% at the narrowest point allows quick access to and from the cabin making operations that require frequent exiting, such as trenching and piping, much easier.



## New digital panel

Following the excellence of Kubota's Intelligent Control System, the new digital panel puts convenience at the operator's fingertips. The user-friendly digital panel is positioned to the front right corner of the operator for better visibility, and features one-touch button operation to view the time, hour meter and tachometer. Warning lamps with code numbers on the display will alert you in case of emergencies such as overheating, hydraulic problems or low battery. Programming of the anti-theft keys can also be easily performed with the digital panel.

With easier access, simpler settings, easy-to-read indicators and alerts, you'll always be aware of the excavator's functioning status.





# EASY MAINTENANCE SAFETY/DURABILITY

The KX018-4 offers added peace-of-mind with extremely high levels of safety and durability. Furthermore, Kubota simplifies inspections and repairs with easier accessibility to the major components.



Photo: KX019-4



## Easy maintenance

Kubota has made routine maintenance extremely simple by consolidating primary engine components onto one side for easier access. Engine and other vital components can be inspected quickly and easily.

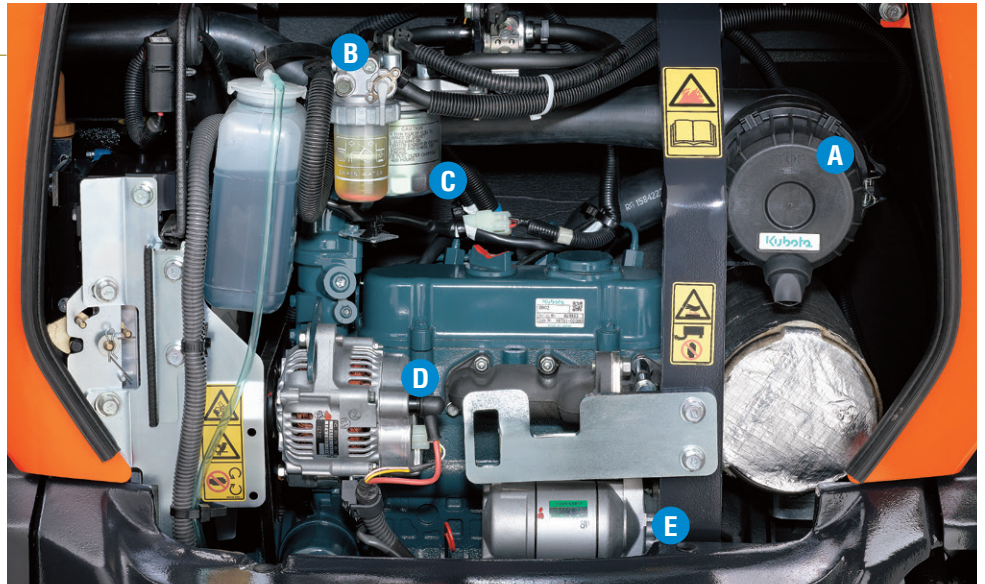
### A. Air cleaner

### B. Water separator

### C. Fuel filter

### D. Alternator

### E. Starter motor



## Topside boom cylinder

For increased reliability when performing in hazardous conditions, including demolition jobs when a breaker is fitted, the boom cylinder has been positioned on the topside of the boom to prevent cylinder damage.



Photo: KX019-4

## Integrated travel motor hoses

Kubota has enclosed the travel motor hoses within the track frame for added protection.



## Standard Equipment

### Engine/Fuel system

- Double-element air cleaner
- Fuel refueling buzzer
- Extended fuel filler

### Undercarriage

- 230 mm rubber track
- 2-speed travel
- Variable track
- Double flange track roller
- Short pitched rubber crawler

### Hydraulic system

- Pressure accumulator
- Hydraulic pressure checking ports
- Third line hydraulic direct return for AUX
- Variable displacement pump
- Straight travel circuit

### Safety system

- Engine start safety system on the left console
- Travel lock system
- Swivel lock system
- Kubota original anti-theft system
- Battery isolator



### Working equipment

- 1090 mm arm
- Auxiliary hydraulic circuit piping to the arm's end
- 2 working lights on the cabin and 1 light on the boom

### Cabin

- ROPS (Roll-over Protective Structure, ISO3471)
- TOPS (Tip-Over Protective Structure)
- OPG (Operator Protective Guard, Level 1)
- Weight-adjustable suspension seat
- Retractable seatbelt
- Hydraulic pilot control levers with wrist rests
- Cabin heater for defrosting and demisting with air ventilation
- Emergency exit hammer
- Front window power-assisted with gas damper
- 12V power outlet
- Location for radio
- Switch and harness for beacon light
- Digital panel with diagnosis function
- Front guard fixing point
- Side mirror

### Canopy

- ROPS (Roll-over Protective Structure, ISO3471)
- TOPS (Tip-Over Protective Structure)
- OPG (Operator Protective Guard, Level 1)
- Weight-adjustable suspension seat
- Retractable seatbelt
- Hydraulic pilot control levers with wrist rests
- 12V power outlet
- Switch and harness for beacon light
- Digital panel with diagnosis function
- Front guard fixing point

## Optional Equipment

- Radio installation kit on the cabin (Radio bracket, antenna, 2 speakers)
- 2 working lights on the canopy
- Travel pedal
- Front guard on the cabin/canopy

## Kubota Genuine and Approved Parts

for maximum performance, durability and safety





## SPECIFICATIONS

|                                                |                                   |                                                    |                                                               |                            |
|------------------------------------------------|-----------------------------------|----------------------------------------------------|---------------------------------------------------------------|----------------------------|
| Model                                          |                                   |                                                    | KX018-4                                                       |                            |
| Machine weight <sup>*1</sup> (cabin /canopy)   |                                   | kg                                                 | 1720 / 1620                                                   |                            |
| Operating weight <sup>*2</sup> (cabin /canopy) |                                   | kg                                                 | 1795 / 1695                                                   |                            |
| Bucket capacity, std. SAE/CECE                 |                                   | m <sup>3</sup>                                     | 0.041 / 0.035                                                 |                            |
| Engine                                         | Model                             |                                                    | D902-E4-BH                                                    |                            |
|                                                | Type                              |                                                    | Water-cooled, diesel engine E-TVCS                            |                            |
|                                                | Output ISO14396 <sup>*3</sup>     | PS (kW) / rpm                                      | 16.0 (11.8) / 2300                                            |                            |
|                                                | Output ISO9249 NET <sup>3</sup>   | PS (kW) / rpm                                      | 15.8 (11.6) / 2300                                            |                            |
|                                                | Number of cylinders               |                                                    | 3                                                             |                            |
|                                                | Bore × Stroke                     | mm                                                 | 72 × 73.6                                                     |                            |
|                                                | Displacement                      | cc                                                 | 898                                                           |                            |
|                                                | Fuel <sup>*4</sup>                |                                                    | Diesel fuel conforming to EN 590 / HVO conforming to EN 15940 |                            |
| Dimensions                                     | Overall width                     | mm                                                 | 990 / 1300                                                    |                            |
|                                                | Overall height (Cabin / Canopy)   | mm                                                 | 2350 / 2330                                                   |                            |
|                                                | Overall length                    | mm                                                 | 3710                                                          |                            |
|                                                | Ground clearance                  | mm                                                 | 160                                                           |                            |
|                                                | Dozer size (width × height)       | mm                                                 | 990 / 1300 × 230                                              |                            |
|                                                | Rubber shoe width                 | mm                                                 | 230                                                           |                            |
|                                                | Minimum front swivel radius       | mm                                                 | 1490                                                          |                            |
|                                                | Boom swing angle (left / right)   | deg                                                | 75 / 60                                                       |                            |
| Hydraulic System                               | P1, P2                            |                                                    |                                                               | Variable displacement pump |
|                                                |                                   | Flow rate                                          | ℓ /min                                                        | 17.3                       |
|                                                |                                   | Hydraulic pressure MPa (kgf/cm <sup>2</sup> )      | 21.6 (220)                                                    |                            |
|                                                | P3                                |                                                    |                                                               | Gear pump                  |
|                                                |                                   | Flow rate                                          | ℓ /min                                                        | 10.4                       |
|                                                |                                   | Hydraulic pressure MPa (kgf/cm <sup>2</sup> )      | 20.6 (210)                                                    |                            |
|                                                | Auxiliary (AUX)                   | Max. flow rate                                     | ℓ /min                                                        | 27.7                       |
|                                                |                                   | Max. hydraulic pressure MPa (kgf/cm <sup>2</sup> ) | 21.6 (220)                                                    |                            |
|                                                | Max. digging force                | Arm                                                | kN (kgf)                                                      | 8.3 (840)                  |
|                                                |                                   | Bucket                                             | kN (kgf)                                                      | 15.9 (1620)                |
| Hydraulic reservoir (full)                     |                                   |                                                    | ℓ                                                             | 28.0                       |
| Max. travelling speed (low / high)             |                                   |                                                    | km/h                                                          | 2.2 / 4.0                  |
| Ground contact pressure (cabin / canopy)       |                                   |                                                    | kPa (kgf/cm <sup>2</sup> )                                    | 26.5 (0.27) / 25.5 (0.26)  |
| Swivelling speed                               |                                   |                                                    | rpm                                                           | 9.1                        |
| Fuel tank capacity                             |                                   |                                                    | ℓ                                                             | 21.0                       |
| Noise level                                    |                                   | LpA                                                | dB (A)                                                        | 78                         |
|                                                |                                   | LwA (2000/14/EC)                                   | dB (A)                                                        | 93                         |
| Vibration <sup>*5</sup>                        | Hand arm system (ISO 5349-2:2001) | Digging                                            | m/s <sup>2</sup> RMS                                          | <2.5                       |
|                                                |                                   | Levelling                                          | m/s <sup>2</sup> RMS                                          | <2.5                       |
|                                                |                                   | Driving                                            | m/s <sup>2</sup> RMS                                          | <2.5                       |
|                                                |                                   | Idling                                             | m/s <sup>2</sup> RMS                                          | <2.5                       |
|                                                | Whole body (ISO 2631-1:1997)      | Digging                                            | m/s <sup>2</sup> RMS                                          | <0.5                       |
|                                                |                                   | Levelling                                          | m/s <sup>2</sup> RMS                                          | <0.5                       |
|                                                |                                   | Driving                                            | m/s <sup>2</sup> RMS                                          | <0.5                       |
|                                                |                                   | Idling                                             | m/s <sup>2</sup> RMS                                          | <0.5                       |

<sup>\*1</sup> With 32.5 kg Kubota original bucket, full tanks, rubber shoe.

<sup>\*2</sup> Machine weight + 75 kg operator.

<sup>\*3</sup> With diesel fuel conforming to EN590.

<sup>\*4</sup> Note that HVO has lower density than diesel fuels.

<sup>\*5</sup> These values are measured under specific conditions at maximum engine speed and can deviate, depending on the operating status.

## LIFTING CAPACITY

Cabin, rubber version

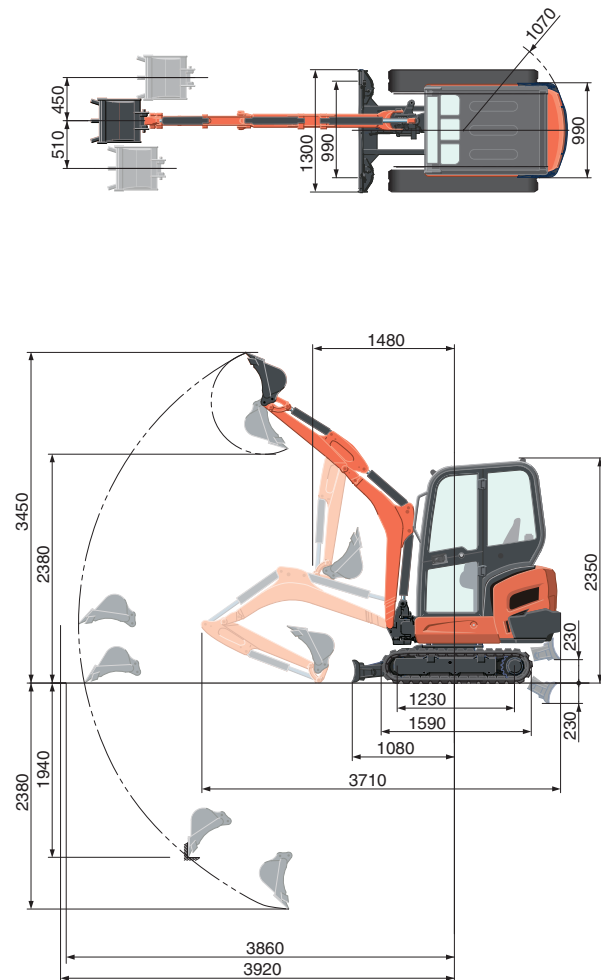
kN (t)

| Lift Point Height | Lifting point radius (2.5m) |            |            | Lifting point radius (max) |            |            |
|-------------------|-----------------------------|------------|------------|----------------------------|------------|------------|
|                   | Over-front                  |            | Over-side  | Over-front                 |            | Over-side  |
|                   | Blade Down                  | Blade Up   |            | Blade Down                 | Blade Up   |            |
| 2.0m              | 2.2 (0.22)                  | 2.2 (0.22) | 2.2 (0.22) | -                          | -          | -          |
| 1.5m              | 2.5 (0.26)                  | 2.5 (0.26) | 2.2 (0.22) | -                          | -          | -          |
| 1.0m              | 3.0 (0.31)                  | 3.0 (0.31) | 2.8 (0.29) | 2.4 (0.24)                 | 2.1 (0.21) | 2.2 (0.22) |
| 0m                | 3.6 (0.37)                  | 2.9 (0.30) | 2.8 (0.29) | -                          | -          | 2.2 (0.22) |

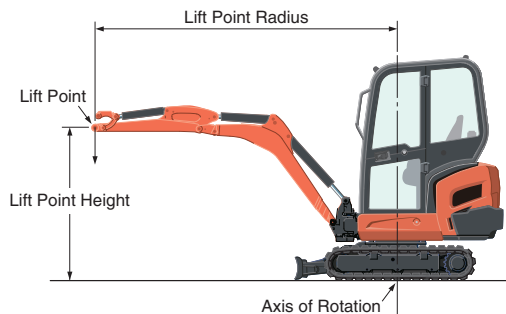
\*The lifting capacities are based on ISO 10567 and do not exceed 75% of the static tilt load of the machine or 87% of the hydraulic lifting capacities of the machine.

\*\*The excavator bucket, hook, sling and other lifting accessories are not included on this table.

## WORKING RANGE



Unit: mm



\* Working ranges are with Kubota original bucket, without quick coupler.

\* Specifications are subject to change without notice for purpose of improvement.

★ 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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