## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>U48-5</th>
<th>U48-5 Angle Blade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of ROPS / FOPS</strong></td>
<td>Canopy / Cab</td>
<td>Canopy / Cab</td>
</tr>
<tr>
<td><strong>Type of tracks</strong></td>
<td>Rubber / Steel</td>
<td>Rubber / Steel</td>
</tr>
</tbody>
</table>

### Engine

<table>
<thead>
<tr>
<th>Model</th>
<th>D1803-CTRES-BH</th>
<th>D1803-CTRES-BH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output (SAE J1995 gross)</td>
<td>HP (kW) @ rpm</td>
<td>40.4 (29.8) @ 2200</td>
</tr>
<tr>
<td>Output (SAE J349 net)</td>
<td>HP (kW) @ rpm</td>
<td>38.9 (28.7) @ 2200</td>
</tr>
</tbody>
</table>

### Dimensions

| Overall length | ft. (mm) | 17.7” (450) |
| Overall height | ft. (mm) | 6’4” (2550) |
| Overall width | ft. (mm) | 6’5” (1960) |
| Min. ground clearance | in. (mm) | 12” (305) |

### Hydraulic system

| Pump capacity | GPM (l/min) | 31.4 (118.8) |
| Auxiliary hydraulic flow | AUX1 / AUX2 | GPM (l/min) | 17.2 (68.8) / 3.9 (37) |
| Max. breakout force | Bucket / Arm | lbs. (kgf) | 9304 (4200) / 5304 (2400) |
| Max. friction force | lbs. (kgf) | 11993 (5440) |

### Drive system

| Tumbler distance | ft. (mm) | 6’6” (1990) |
| Crawler length | ft. (mm) | 8’2” (2500) |
| Shoe width | Rubber / Steel | 15.7” (400) / 15.7” (400) |
| Ground contact pressure | Rubber Canopy / Cab | psi (kgf/cm²) | 4.0 (28.4) / 4.1 (28.9) |
| Steel Canopy / Cab | psi (kgf/cm²) | 4.1 (28.5) / 4.2 (29.6) |

### Swing system

| Unit swing speed | rpm | 3.2 |
| Bloom swing angle | Left / Right | degree | 70 / 53 |

### Blade

| Dimensions | Width | ft. (mm) | 6’6” (1990) |
| Height | ft. (mm) | 14’ (410) / 15’ (455) |
| Max. lift above ground | in. (mm) | 15’ (440) / 18’ (480) |
| Max. drop below ground | in. (mm) | 14’ (405) / 19’ (485) |
| Angle | Left / Right | degree | 25 / 25 |

### Hydraulic oil (Reservoir / System)

| Rubber / Steel | 10848 (4920) / 11057 (5015) |
| Steel | Canopy / Cab | 11322 (5135) / 11531 (5230) |

### Fuel reservoir

| Rubber Canopy / Cab | 9848 (4490) / 11057 (5015) |
| Steel Canopy / Cab | 11334 (5055) / 11342 (5145) |

### Operating weight (Including operator’s weight @ 165 lbs.)

| Rubber Canopy / Cab | lbs. (kg) | 11322 (5135) / 11531 (5230) |
| Steel Canopy / Cab | lbs. (kg) | 11668 (5285) / 11818 (5360) |

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**For Earth, For Life**

**KUBOTA TIGHT TAIL SWING COMPACT EXCAVATOR**

**U48-5**

The next generation of tight tail swing compact excavators with advanced performance, comfort, and technology.

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**Kubota Genuine Parts** for maximum performance, durability and safety.

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Introducing the all-new Kubota excavator into our product line-up.

Kubota, a trusted and world-leading manufacturer of construction equipment, is proud to introduce the new U48-5. It delivers superior performance and operator comfort for maximum productivity.

The Answer to Our Customers

For almost a decade, our offer to the customer who requires a tight tail excavator bigger than 4 ton was the U55. While this product line-up satisfied most of our customers, we have received many requests for an additional choice with appropriate performance at a more affordable price. Kubota strongly believes that the introduction of the U48-5 is the right answer to those requests.

KUBOTA TIGHT TAIL SWING COMPACT EXCAVATOR

U48-5

Engine gross horsepower (SAE J 1995): 40.4 HP (30.1 kW)
Bucket breakout force: 9304 lbs. (4220 kg)
Operating weight (cab, incl. operator weight 165 lbs.): 11057 lbs. (5015 kg)
A bigger cab with enhanced insulation, improved visibility, and a wealth of new comfort features.

Spacious & Comfortable Cab
With new interior designs, the cabs offer improved comfort for operators of any size. The designs feature a slimmer, more ergonomically positioned right meter panel and greater head and foot space. The result is more room and greater comfort for the operator, and that means improved productivity on the job.

Expanded Glass Area
A slimmer frame design means more glass in the front window, skylight, and left and right windows. This greater glass area not only improves visibility during loading, unloading, and digging work—operators can monitor the left and right edges of the dozer as well as the bucket through the skylight—it also enhances the feeling of spaciousness in the cab.

Low Noise*
World-class noise reduction technology helps protect the operator's hearing as well as provides a more comfortable working environment for the operator. Rear engine noise is reduced by a metal partition between the engine and the cab. The floor plate is also thicker to reduce noise from beneath the cab.

Air Conditioner
The air conditioner duct now directs air to the back of the operator's neck to enhance the effect and efficiency of the air conditioning.

Back-lighted Key Pad
Redesigned for greater comfort and improved operability, the key pad features a compact profile and places all of the main switches on the right side for easier access.

Enhanced Legroom
The new cab design and interior layout not only optimize operability, but also provide much more foot space for greater operator comfort.

A
Back-lighted Key Pad
B
Enhanced Legroom
C
Air Conditioner
D
Low Noise*
Advanced technology ensures superior performance and operability in real-world working conditions.

**LED Work Lights with Turn-off Delay**

- The LED work lights can be programmed to turn off 30 seconds to 2 minutes after the engine has stopped. This allows the operator to exit the machine and walk away safely under full illumination.

**Keyless Start (option)**

- Optional keyless start is available for the first time for Kubota compact excavators. The engine can be started by entering a 4 digit passcode using the excavator key pad and up to 10 user passwords can be set. With this new function, customers do not have to worry about lost keys anymore.

**Rear-view Camera (option)**

- Factory designed rear-view camera provides increased visibility towards the rear of the compact excavator by displaying the view on the 7” LCD screen in the cab.

**Travel Alarm (option)**

- An optional travel alarm warns nearby workers and/or bystanders that the excavator is on the move.

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**Working Range**

Kubota’s new 4.8-ton compact excavators deliver impressive performance and efficiency for their size, with exceptional bucket digging force, outstanding arm reach, and a well-matched arm and bucket. Even tough digging jobs will get done faster and more efficiently.

**Versatile Control**

- Two auxiliary circuits (AUX1 and AUX2) are available on the U48-5. The maximum oil flow settings of both circuits are conveniently adjustable from the digital panel. No additional tools or complex manual adjusting procedures are necessary.

**Load Sensing Hydraulic System**

Kubota’s load sensing hydraulic system ensures smoother operation, regardless of load size. It allows hydraulic oil to flow according to the specific range of the operator’s lever motion. The result is greater fuel economy and smoother travelling.

**Hydraulic Angle Blade**

- 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.

**Kubota Original DI Engine with CRS and DPF Muffler**

- The new Kubota’s direct-injection engine is equipped with CRS and with a new and improved DPF which reduces maintenance by increasing the service intervals for both the regeneration filter and ash cleaner.

**Automatic Regeneration System**

- DPF regeneration (PM combustion stroke) is performed automatically, before soot reaches a critical level, so the operator never needs to stop work to clean the DPF.
SERVICE

A fully opening bonnet and optimum arrangement of internal parts for quick and efficient service and shorter downtime.

One-sided Engine 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.

Side-hood Features
The radiator, oil cooler and A/C condenser are conveniently re-positioned inside the side-hood bonnet. The new layout and A/C condenser tilt open structure provides an easier and more efficient way to clean and maintain the cooling system. With this, you can keep your machine performing in the best condition.

Two-piece Hose Design
The dozer blade’s two-piece hose design reduces hose replacement by 60% compared to one-piece hoses.

Tool Storage Box with Grease Gun Holder
The tool storage box is conveniently located under the cab door for quick access. The box also features a grease gun holder to keep the grease gun within easy reach during maintenance.
**DIGITAL PANEL**

Intuitive operation and large LCD screen help to enhance both safety and performance.

**NEW FULL-COLOR LCD SCREEN WITH JOG DIAL**

A full-color, high-resolution 7" LCD screen provides with a single glance all the information the operator needs to operate the mini excavator. An intuitive interface ensures quick understanding and easy access to the mini excavator's various functions, including AUX flow adjustment. Important maintenance items are also displayed, as are detailed alerts for improper machine functions and abnormalities. The new jog dial is both intuitive and easy to use. Even first-time operators will be able to quickly access all important information. Optional keyless start system is available for the operator's convenience.

### Operator's space
- Cab with A/C
- Rear-view mirror
- Sunshade
- Cab with A/C
- Sunshade

### Machine 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 LED working lights on cab and 1 LED light on the boom
- Thumb bracket and relief valve
- Doser blade with float function

### Hydraulic system
- 1 pump load sensing system
- Pressure accumulator
- Hydraulic pressure checking ports
- Adjustable maximum oil flow on auxiliary circuits

### System safety
- ROPS/FOPS canopy
- Hydraulic return system
- Third line hydraulic return
- Auxiliary switch (AUX1) on right control lever

###返还
- Tool box
- Grease gun holder

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### Standard Monitor Display

**Standard Monitor Display**

- AUX Setting
- Various Setting
- Log record
- Messages
- Water Temperature
- Fuel Level
- Alert Indicator
- Hydraulic Temperature
- AUX Mode

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### U48.5 OPTIONS

**Standard Equipment**

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

- AUX Setting
- Various Setting
- Log record
- Messages
- Water Temperature
- Fuel Level
- Alert Indicator
- Hydraulic Temperature
- AUX Mode

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### Optional Equipment

- Cab with A/C
- Rear-view mirror
- Sunshade
- Cab with A/C
- Sunshade

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### Working Range

<table>
<thead>
<tr>
<th>Model</th>
<th>Lift Point Height (ft)</th>
<th>Lifting Capacity Over-Front Blade Down (with/without Bucket)</th>
<th>Lifting Capacity Over-Side (with/without Bucket)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U48-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LIFT POINT HEIGHT (in)</td>
<td>LIFT POINT RADIUS (in)</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>1.96</td>
<td>1.86</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>2.08</td>
<td>1.93</td>
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<tr>
<td></td>
<td>6</td>
<td>2.22</td>
<td>1.92</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>2.36</td>
<td>1.98</td>
</tr>
</tbody>
</table>

Machine with safety, standard blade and rubber track, without bucket

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### Lifting Capacity

<table>
<thead>
<tr>
<th>Lift Point Height (in)</th>
<th>Lift Point RADIUS (in)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>1.85</td>
<td>1.55</td>
</tr>
<tr>
<td>14</td>
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<tr>
<td>16</td>
<td>2.08</td>
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<tr>
<td>18.5</td>
<td>2.22</td>
<td>1.92</td>
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<tr>
<td>20</td>
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<td>1.98</td>
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