Note: This catalogue may contain attachments and optional equipment that are not available in your area. It may also contain photographs of machines with specifications that differ from those of machines sold in your area. Please consult your nearest KOBE L CO distributor for those items you require. Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice.

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KOBE L CO CONSTRUCTION MACHINERY EUROPE B.V.

Enquiries To:

Veluwezoom 15
1327 AE Amersfoort
The Netherlands
www.kobelco-europe.com

ED160BR-7

Complies with the EU Stage V exhaust emission regulation

Bucket capacity:
0.24 – 0.7 m³ ISO heaped

Engine power:
86 kW/2,200 min⁻¹ (ISO14396)

Operating weight:
16,800 – 18,000 kg

ED160 BLADE RUNNER

May 2020 | POD0363
ED160BR of KOBELCO has realised a completely new value by harmonising PERFORMANCE – greater efficiency and productivity with an increased power and speed and DESIGN – operator-based operability and comfort, refusing to accept any compromises.

In pursuit of unique and matchless machines which are unforgettable once you use them, KOBELCO will continue to rise to meet every challenge.
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LED backlights
The switches and dials have LED backlights – they provide a bright, clear view in the dark and set a luxurious mood.

Jog dial
This jog dial integrates multiple functions to realise simple operations. Even with gloved hands, the operator can set various machine conditions without stress.

THE ULTIMATE IN SIMPLE AND ELEGANT DESIGN
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LED backlights
The switches and dials have LED backlights – they provide a bright, clear view in the dark and set a luxurious mood.
UNFORGETTABLE COMFORT

1. **Air suspension seat**
   A GRAMMER seat is installed as standard equipment, which achieves excellent shock absorption and superior ride comfort.

2. **Air conditioner blowing from the rear**
   Air is blown against the operator’s waist and the back of their head, offering more comfortable operation.

3. **Lever angles allow for comfortable operations**
   The operator can move the levers horizontally without twisting their wrist, which reduces the fatigue caused by the operations.

4. **New hydraulic control**
   Our newly upgraded hydraulic control system responds to shorter lever strokes than current models, delivering swifter, more precise movement and improved lever operability.

5. **LED door light**
   The LED interior light automatically turns on when the door is opened or when the ignition is set to OFF. This ensures easy entry and exit at nighttime.

6. **Parallel wipers secure a wide field of view**
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A WIDER VIEW BRINGS A WIDER RANGE OF USE

10-inch colour monitor (the largest in the industry)

The easy-to-operate menu screen facilitates reading of important information. Images from the built-in cameras can be checked on the large screen, which helps secure safety. In addition, each icon has become easy to recognise. A password is required when starting the engine for greater security.

Screen display linked with the jog dial operation

The jog dial can be operated as desired without causing stress. Turn the jog dial to the right or left to select an item and press the dial to confirm the selection.

Right and rear cameras

Images from the right camera and rear camera are displayed together on the large colour monitor. The right camera view can be selected between the straight view mode and right side view mode. In addition, the bird’s-eye view mode and eagle eye view mode can also be selected.
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Our high-power engine complies with STAGE V emission regulations

Compared to previous models, the engine output is significantly increased, which thereby shortens the digging cycle time remarkably. It attains high performances without reducing the speed even when heavy load is applied or when travelling on a slope.

**EXPERIENCING A COMPETENT PERFORMANCE**

**Large capacity dozing**

ED160 Blade Runner has the power to doze and backfill in all recommended operating positions.

- **Dimensions:**
  - 3,260 mm (width) x 810 mm (height)

- **Working ranges:**
  - 790 mm (height), 600 mm (depth)

- **Drawbar pulling force:** 195 kN

- **Dozer capacity:** 1.6 m³

**Power, Angle and Tilt capability (PAT)**

The 6-way dozer blade has Power, Angle and Tilt capability (PAT) operated from the cab. With a single control lever, the blade can be angled 25 degrees to the left or right for dispensing earth and materials away for the operator’s path. The blade also tilts up on the left and right sides by 445 mm for slope grading, culverts and ditches.

**Dimensions:**

- 3,260 mm (width) x 810 mm (height)

**Working ranges:**

- 790 mm (height), 600 mm (depth)

**Drawbar pulling force:** 195 kN

**Dozer capacity:** 1.6 m³

**Plenty of ground clearance**

Excellent ground clearance ensures unhindered travel.

**Ground Clearance:** 455 mm

**Model:** ISUZU 4J1XDDV A01

**Engine output**

- Increased by 10% (Compared to the ED160BR-5 model)

**Digging cycle time**

- Shortened by 10% (Compared to the ED160BR-5 model)
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Dozer capacity: 1.6 m³
**Attachment mode**

The flow-rate modes of the bucket, breaker, nibbler, and rotating grapple are set before delivery, which allows you to start operating immediately. Mode settings for other attachments, such as the tilt rotator, can easily be added or changed.

---

**GREATER MULTI-FUNCTION CAPABILITIES**

---

**TYPES OF ATTACHMENT MODE**

<table>
<thead>
<tr>
<th>CURRENT MODE</th>
<th>TYPE</th>
<th>MODE</th>
<th>OBJECTIVE OF MODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket</td>
<td></td>
<td>Balance in operations such as levelling can be adjusted.</td>
<td></td>
</tr>
<tr>
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<td>Nibbler (crusher)</td>
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<td>Change of arm speed due to nibbler (crusher) opening/closing is reduced.</td>
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<tr>
<td>Rotating grapple</td>
<td></td>
<td>Swing operation on slope while raising attachments/equipment becomes possible. Boom 2-speed systems is controlled by proportional valve.</td>
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<td>Procisor</td>
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<td>N&amp;B flow rate is set to maximum specifically. Regeneration of arm in operation while using front attachment is changed.</td>
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<tr>
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<td>Swing operation while raising attachment/equipment and opening thumb bucket becomes possible.</td>
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<tr>
<td>Tiltrotator</td>
<td></td>
<td>When combined operation with arm is performed, hydraulic interference is prevented.</td>
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</tr>
<tr>
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**Adjustment for hydraulic flow**

Divide ratio of hydraulic flow can be adjusted by service factory for custom usage.
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The flow-rate modes of the bucket, breaker, nibbler, and rotating grapple are set before delivery, which allows you to start operating immediately. Mode settings for other attachments, such as the tilt rotator, can easily be added or changed.

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NON-STOP OPERATION BY iNdR

A high-density mesh filter blocks dust intruding during air intake. This prevents the cooling device and the air cleaner from clogging with dust and maintains their performances. The ridges of the corrugated filter allow the air to pass through, and the grooves collect the dust, which prevents the filter from clogging.

Total Support for Machines with Network Speed and Accuracy

KOMEXS is a telematics system for receiving machine information. Manage your machines anywhere in the world using the Internet. Locations, monitored and diagnostic data aid business operations.

- **Direct Access to Operational Status**
  - Location Data: Accurate location data can be obtained even from sites where communications are difficult.
  - Fuel Consumption Data: Data on fuel consumption and idling times can be used to indicate improvements in fuel consumption.
  - Operating Hours: A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable. Operating hours on-site can be accurately recorded for owning-into calculations needed for rental machines, etc.

- **Graph of Work Content**
  - The graph divides how working hours are divided among different operating categories, including digging, lifting, traveling, and optional operations (N&B).

- **Maintenance Data and Warning Alerts**
  - Machine Maintenance Data: Provides maintenance status of separate machines operating at multiple sites. Maintenance data is also relayed to KOBELCO service personnel for more efficient planning of periodic servicing.
  - Security System:
    - Engine Start Alarm: Sends a notification if the engine is started outside of pre-defined hours.
    - Area Alarm: Sends a notification if the machine leaves a pre-defined area.

- **KOMEXS**
  - KOMEXS Web server
  - GPS
  - Hydraulic excavator
  - Openable FOPS guard
  - Urea tank

CONVENIENT AND SENSIBLE EQUIPMENT

- **Engine start password**
  - A password is required when starting the engine for greater security. The initial password must be set at our workshop.

- **Wiper adjustment function**
  - In addition to the intermittent wiper mode and continuous wiper mode, the one-time wiper mode was added.

- **Console mount**
  - The console integrated seat allows for comfortable operation.

- **AM/FM Bluetooth® (hands-free) radio**

- **USB port/12 V power outlet**

- **Built-in rear camera/right camera**

- **Urea tank**
  - Urea filter cap is placed on the step for easy access.

- **Urea tank**

Note: Bluetooth® is a registered trademark of the Bluetooth SIG Inc.
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CONVENIENT AND SENSIBLE EQUIPMENT

1. Urea tank
   - The urea tank is placed on the step for easy access.

2. Urea filter cap
   - The urea filter cap is placed on the step for easy access.

3. Smartphone holder
   - You can use the holder with your smartphone connected to the USB port.

4. Console mount
   - The console integrated seat allows for comfortable operation.

5. AM/FM Bluetooth® (hands-free) radio

6. Console mount
   - The console integrated seat allows for comfortable operation.

7. Built-in rear camera/right camera

8. Parallel wipers/Roll sun shade

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Specifications

**Engine**

- **Model:** ISUZU MOTORS LIMITED, 4JJ1XDDV A01
- **Type:** Four cycle, liquid-cooled, direct injection diesel, turbocharged and meets with EU Stage V exhaust emission regulation
- **No. of cylinders:** 4
- **Bore and stroke:** 95.4 mm x 104.9 mm
- **Displacement:** 2,999 L
- **Rated power output:** 176.6 kW / 2,100 min-1 (ISO 9249: with fan)
- **Max. torque:** 40 Nm each side
- **Rated speed:** 2,418 rpm / h
- **Doosan rating:** 195 N at 1,800 min-1

**Travel system**

- **Type:** Two variable displacement piston pumps + one gear pump
- **Max. discharge flow:** 1 x 66 L / min
- **Relief valve setting:** 5.0 MPa
- **Pump pressure:** 34.3 MPa
- **Main control valves:** Two variable displacement piston pumps
- **Control circuit:** Two hand levers and two foot pedals for travel
- **Swing circuit:** One fixed displacement piston motor
- **Hydraulic oil tank:** 200 L

**Travel range**

- **Max. digging depth:** 3,600 mm
- **Max. digging depth:** 3,740 mm
- **Max. digging depth:** 3,740 mm
- **Max. digging depth:** 3,800 mm

**Swing system**

- **Swing motor:** One fixed displacement piston motor
- **Brake:** Hydraulic; locking automatically when the swing control lever is in the neutral position
- **Swing system:** Wet multiple plate

**Dozer blade**

- **Dozer cylinder:** 125 mm x 202 mm
- **Dimensions:** 3,260 mm (width) x 415 mm (height)

**Refilling capacities & lubrications**

- **Fuel tank:** 186 L
- **Cooling system:** 17 L
- **Swing reduction gear:** 2 x 50 L
- **Swing reduction gear:** 165 L
- **Hydraulic oil tank:** 89.1 L
- **Oil pressure:** 190 L hydraulic system
- **190 L hydraulic system:**

**Attachments**

- **Backhoe bucket and combination**
  - **Bucket capacity:** ISO heaped m³
  - **Opening width:** 590
  - **No. of teeth:** 5
  - **Bucket weight:** 340 kg
  - **Combination:**

**Cab & control**

- **Cab:** All-weather, sound-suppressed steel cab mounted on the silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat
- **Parking brakes:** Wet multiple plate
- **Travel brakes:** Hydraulic brake

**Auxiliary equipment**

- **Swing motor:** Two hand levers and two foot pedals for travel
- **Control:** Electric rotary-type engine throttle
- **Control:** Two hand levers and two foot pedals for travel

**Dimensions**

- **Overall length:** 3,520 mm (width) x 815 mm (height)
- **Track gauge:** 1,155 mm
- **Tire distance:** 70% (35°)
- **Tire:** 280 mm (width) x 1,155 mm (height)

**Working ranges**

- **Arm length:** 2.38 m

- **Bucket:** 105.4

**Digging force (ISO 6015)**

- **Arm length:** 2.38 m
- **Arm length:** 2.84 m

**Swing control lever**

- **Tail swing radius:** 40.4 kN/m
- **Swing speed:** 1,490 mm
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- **Swing system:** Hydraulic locking automatically when the swing control lever is in the neutral position

**Engine oil tank**

- **Engine oil tank:** 17 L
- **Swing system:** 17 L
- **Engine oil tank:** 17 L
- **Digging depth:** 4.69 m

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<td>Type</td>
<td>Four cycle, liquid-cooled, direct injection diesel, turbo charged complies with EU Stage V exhaust emission regulation</td>
</tr>
<tr>
<td>No. of cylinders</td>
<td>4</td>
</tr>
<tr>
<td>Bore and stroke</td>
<td>95.4 mm x 104.9 mm</td>
</tr>
<tr>
<td>Displacement</td>
<td>2,990 L</td>
</tr>
<tr>
<td>Rated power output</td>
<td>78.6 kW, 2,200 m³/min (ISO 9249: with fan)</td>
</tr>
<tr>
<td>Max. torque</td>
<td>334 N·m, 1,800 m³/min (ISO 9249: without fan)</td>
</tr>
</tbody>
</table>

### Travel system

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. torque</td>
<td>334 N·m, 1,800 m³/min (ISO 9249: without fan)</td>
</tr>
<tr>
<td>Rated power output</td>
<td>78.6 kW, 2,200 m³/min (ISO 9249: with fan)</td>
</tr>
<tr>
<td>Displacement</td>
<td>2,990 L</td>
</tr>
<tr>
<td>No. of cylinders</td>
<td>4</td>
</tr>
<tr>
<td>Type</td>
<td>Variable displacement piston, two-speed motors</td>
</tr>
<tr>
<td>Travel motors</td>
<td>Hydraulic brake</td>
</tr>
<tr>
<td>Travel brakes</td>
<td>Wet multiple plate</td>
</tr>
<tr>
<td>Travel speed</td>
<td>2.4/4.8 km/h</td>
</tr>
<tr>
<td>Drawbar pulling force</td>
<td>195 kN (54%)</td>
</tr>
<tr>
<td>Gravitability</td>
<td>70% (5°)</td>
</tr>
</tbody>
</table>

### Cab & control

- **Cab**: All-weather, sound-suppressed steel cab mounted on the silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat
- **Control**: swing control lever is in the neutral position

### Hydraulic system

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. discharge flow</td>
<td>2 x 66 l/min, 1 x 66 l/min</td>
</tr>
<tr>
<td>Relief valve setting</td>
<td>Boom, arm and bucket: 34.3 MPa</td>
</tr>
<tr>
<td>Travel circuit</td>
<td>34.3 MPa</td>
</tr>
<tr>
<td>Swing circuit</td>
<td>28.0 MPa</td>
</tr>
<tr>
<td>Dozer circuit</td>
<td>20.5 MPa</td>
</tr>
<tr>
<td>Control circuit</td>
<td>5.0 MPa</td>
</tr>
<tr>
<td>Pilot control pump</td>
<td>Gear type</td>
</tr>
<tr>
<td>Main control valves</td>
<td>12-speed, 24-speed type</td>
</tr>
<tr>
<td>Oil cooler</td>
<td>Water-cooled type</td>
</tr>
</tbody>
</table>

### Swing system

- **Swing motor**: One fixed displacement piston motor
- **Swing speed**: 11.0 mm/s
- **Tail swing radius**: 1,140 mm
- **Swing torque**: 40.4 kN·m

### Attaching brackets and combination

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket capacity</td>
<td>ISO heaped m³: 0.24, 0.21, 0.18, 0.16, 0.14, 0.12, 0.10, 0.07, 0.07</td>
</tr>
<tr>
<td>Struck m³: 0.20, 0.23, 0.26, 0.31, 0.35, 0.41, 0.50, 0.52</td>
<td></td>
</tr>
<tr>
<td>Opening width</td>
<td>With side cutter: 590 mm, 760 mm, 860 mm, 915 mm, 1,060 mm, 1,160 mm, 1,275 mm</td>
</tr>
<tr>
<td>Without side cutter</td>
<td>590 mm, 760 mm, 860 mm, 915 mm, 1,060 mm, 1,160 mm, 1,275 mm</td>
</tr>
<tr>
<td>No. of teeth</td>
<td>3, 4, 5, 5, 5, 5, 5, 5</td>
</tr>
<tr>
<td>Buckets weight</td>
<td>375 kg, 360 kg, 390 kg, 410 kg, 440 kg</td>
</tr>
<tr>
<td>Combination</td>
<td>2.84 m arm</td>
</tr>
</tbody>
</table>

### Travel ranges

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. digging reach</td>
<td>790 mm (up) x 600 mm (down)</td>
</tr>
<tr>
<td>Gradeability</td>
<td>25 degrees</td>
</tr>
<tr>
<td>Dozer blade</td>
<td>100 mm x 903 mm</td>
</tr>
<tr>
<td>Max. digging height</td>
<td>445 mm</td>
</tr>
<tr>
<td>Normal digging</td>
<td>790 mm (up) x 600 mm (down)</td>
</tr>
<tr>
<td>Max. vertical wall digging depth</td>
<td>422 mm</td>
</tr>
<tr>
<td>Drawbar pulling force</td>
<td>2.84 m Arm</td>
</tr>
<tr>
<td>Travel motors</td>
<td>Hydraulic motor</td>
</tr>
<tr>
<td>Travel brakes</td>
<td>Wet multiple plate</td>
</tr>
<tr>
<td>Travel speed</td>
<td>11.0 min⁻¹</td>
</tr>
<tr>
<td>Drawbar pulling force</td>
<td>195 kN (54%)</td>
</tr>
<tr>
<td>Max. digging height</td>
<td>937 mm</td>
</tr>
<tr>
<td>Max. digging reach</td>
<td>1,490 mm</td>
</tr>
<tr>
<td>Max. digging reach</td>
<td>2,840 mm</td>
</tr>
<tr>
<td>Travel speed</td>
<td>2.4/4.8 km/h</td>
</tr>
<tr>
<td>Travel motors</td>
<td>Hydraulic motor</td>
</tr>
<tr>
<td>Travel brakes</td>
<td>Wet multiple plate</td>
</tr>
<tr>
<td>Travel speed</td>
<td>11.0 min⁻¹</td>
</tr>
<tr>
<td>Drawbar pulling force</td>
<td>195 kN (54%)</td>
</tr>
<tr>
<td>Max. digging height</td>
<td>937 mm</td>
</tr>
<tr>
<td>Max. digging reach</td>
<td>1,490 mm</td>
</tr>
<tr>
<td>Max. digging reach</td>
<td>2,840 mm</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall height (to top of boom)</td>
<td>2,820</td>
</tr>
<tr>
<td>Overall length</td>
<td>8,550</td>
</tr>
<tr>
<td>Overall width (blade wings extended)</td>
<td>2,590</td>
</tr>
<tr>
<td>Overall height (to top of cab)</td>
<td>2,030</td>
</tr>
<tr>
<td>Overall width of crawler (600 mm shoe)</td>
<td>455</td>
</tr>
</tbody>
</table>
| Overall length | 4,130 *
| Overall height (to top of boom) | 2,590 |
| Overall length | 4,340 |
| Overall width (blade wings extended) | 580 |
| Overall height (to top of cab) | 2,030 |
| Overall width of crawler (600 mm shoe) | 455 |
| Overall length | 4,130 * |

### Refilling capacities & lubrications

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>166 L</td>
</tr>
<tr>
<td>Oil cooler</td>
<td>17 L</td>
</tr>
<tr>
<td>Oil filter</td>
<td>17 L</td>
</tr>
<tr>
<td>Oil coolers</td>
<td>186 L</td>
</tr>
<tr>
<td>Oil pumps</td>
<td>17 L</td>
</tr>
<tr>
<td>Oil tanks</td>
<td>186 L</td>
</tr>
<tr>
<td>Oil system</td>
<td>17 L</td>
</tr>
<tr>
<td>Cooling system</td>
<td>17 L</td>
</tr>
<tr>
<td>Engine oil</td>
<td>17 L</td>
</tr>
<tr>
<td>Travel reduction gear</td>
<td>2 x 50 L</td>
</tr>
<tr>
<td>Swing reduction gear</td>
<td>165 L</td>
</tr>
<tr>
<td>Hydraulic oil tank</td>
<td>89.9 L</td>
</tr>
<tr>
<td>Hydraulic system</td>
<td>ISO heaped m³: 0.24, 0.21, 0.18, 0.16, 0.14, 0.12, 0.10, 0.07, 0.07</td>
</tr>
</tbody>
</table>

### Working ranges

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>6.0 m</td>
</tr>
<tr>
<td>Max. digging reach</td>
<td>8.81</td>
</tr>
<tr>
<td>Min. dumping clearance</td>
<td>7.30</td>
</tr>
<tr>
<td>Max. vertical wall digging depth</td>
<td>5.79</td>
</tr>
<tr>
<td>Min. dumping clearance</td>
<td>7.30</td>
</tr>
<tr>
<td>Max. digging reach</td>
<td>8.81</td>
</tr>
<tr>
<td>Min. dumping clearance</td>
<td>7.30</td>
</tr>
<tr>
<td>Max. vertical wall digging depth</td>
<td>5.79</td>
</tr>
<tr>
<td>Min. dumping clearance</td>
<td>7.30</td>
</tr>
</tbody>
</table>

### Motor specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>ISUZU MOTORS LIMITED 4JJ1XDDV A01</td>
</tr>
<tr>
<td>Type</td>
<td>Diesel, turbo charged complies with EU Stage V exhaust emission regulation</td>
</tr>
<tr>
<td>Complies with</td>
<td>Four-cycle, liquid-cooled, direct injection diesel, turbo charged complies with EU Stage V exhaust emission regulation</td>
</tr>
</tbody>
</table>

### Oil cooler

- **Type**: Water-cooled type
- **Power output**: 1,900 (1,820**/1,700*** kVA)
Operating weight & ground pressure

Table: Operating weight & ground pressure

<table>
<thead>
<tr>
<th>Weight &amp; Ground Pressure</th>
<th>500</th>
<th>600</th>
<th>800</th>
<th>1000</th>
<th>1200</th>
<th>1400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom: 4.68 m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arm: 2.38 m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bucket: 0.5 m</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>ISO heaped bucket</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dozer: with</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lift capacities</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G.L.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Backhoe</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Counterweight: 1,720 kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shoe: 600 mm</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dozer: blade up</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifting capacities</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Relief valve setting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Reach from swing centerline to arm top</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Arm top height above/below ground</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>3. Lift point</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rating over front</td>
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<tr>
<td>Rating over side or 360 degrees</td>
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<tr>
<td>Swing System &amp; Travel System</td>
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</tr>
<tr>
<td>Straight dozer blade</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Tilt angle dozer blade</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Frame Guard</td>
<td></td>
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<tr>
<td>Tilt angle dozer blade</td>
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<td></td>
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</tr>
<tr>
<td>Working mode selector</td>
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</tr>
<tr>
<td>Control</td>
<td></td>
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<tr>
<td>Relief valve setting</td>
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<tr>
<td>1. Reach from swing centerline to arm top</td>
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<td></td>
</tr>
<tr>
<td>2. Arm top height above/below ground</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Lift point</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Radius</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.5 m</td>
<td>1,780</td>
<td>1,780</td>
<td>5,680</td>
<td>5,680</td>
<td>5,680</td>
<td>5,680</td>
</tr>
<tr>
<td>3.0 m</td>
<td>2,180</td>
<td>2,180</td>
<td>7,03 m</td>
<td>7,03 m</td>
<td>7,03 m</td>
<td>7,03 m</td>
</tr>
<tr>
<td>4.5 m</td>
<td>2,510</td>
<td>2,510</td>
<td>7,30 m</td>
<td>7,30 m</td>
<td>7,30 m</td>
<td>7,30 m</td>
</tr>
<tr>
<td>6.0 m</td>
<td>2,750</td>
<td>2,750</td>
<td>7,60 m</td>
<td>7,60 m</td>
<td>7,60 m</td>
<td>7,60 m</td>
</tr>
<tr>
<td>4.0 m</td>
<td>1,660</td>
<td>1,660</td>
<td>7,21 m</td>
<td>7,21 m</td>
<td>7,21 m</td>
<td>7,21 m</td>
</tr>
<tr>
<td>6.0 m</td>
<td>2,180</td>
<td>2,180</td>
<td>7,03 m</td>
<td>7,03 m</td>
<td>7,03 m</td>
<td>7,03 m</td>
</tr>
<tr>
<td>9.0 m</td>
<td>2,750</td>
<td>2,750</td>
<td>7,60 m</td>
<td>7,60 m</td>
<td>7,60 m</td>
<td>7,60 m</td>
</tr>
</tbody>
</table>

Note:
1. Do not attempt to lift or pull any load that is greater than these lifting capacities at the specified lift point radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. Lifting capacities are based on machine standing on level, firm, and uniform ground. User must make allowance for job conditions such as less than uniform ground, out of level conditions, side loads, sudden stopping of load, restrictive conditions, experience of personnel, etc.
3. Arm top defined at lift point.
4. The above lift capacities are in compliance with ISO 10567. They do not exceed 75% of hydraulic lift capacity or 75% of tipping load lifting capacity marked with an asterisk (*). Limiting lifting capacities that are marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
5. Operator should be fully acquainted with the Operator’s and Maintenance Instructions before operating the machine.
6. Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.
Operating weight & ground pressure

Ed160 blade runner

<table>
<thead>
<tr>
<th>Model</th>
<th>Boom: 4.68 m</th>
<th>Arm: 2.38 m</th>
<th>Bucket: 0.5 m³</th>
<th>ISO heaped bucket</th>
<th>Dozer: with</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed160</td>
<td>Arm: 2.38 m</td>
<td>Counterweight: 1,720 kg</td>
<td>Shoe: 600 mm</td>
<td>Dozer: blade up</td>
<td>Relief valve setting: 34.3 MPa</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.5 m</td>
<td>3.0 m</td>
<td>4.5 m</td>
<td>6.0 m</td>
<td>At max. reach</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

Lift capacities

- Reach from swing centreline to arm top
- Arm top height above/below ground
- Lift point

**ED160B**

<table>
<thead>
<tr>
<th></th>
<th>Arm: 2.38 m</th>
<th>Counterweight: 1,720 kg</th>
<th>Shoe: 600 mm</th>
<th>Dozer: blade up</th>
<th>Relief valve setting: 34.3 MPa</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.5 m</td>
<td>3.0 m</td>
<td>4.5 m</td>
<td>6.0 m</td>
<td>At max. reach</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**ED160BR**

<table>
<thead>
<tr>
<th></th>
<th>Arm: 2.38 m</th>
<th>Counterweight: 1,200 kg</th>
<th>Shoe: 600 mm</th>
<th>Dozer: blade up</th>
<th>Relief valve setting: 34.3 MPa</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.5 m</td>
<td>3.0 m</td>
<td>4.5 m</td>
<td>6.0 m</td>
<td>At max. reach</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
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</table>

**ED160BL**

<table>
<thead>
<tr>
<th></th>
<th>Arm: 2.38 m</th>
<th>Counterweight: 1,500 kg</th>
<th>Shoe: 600 mm</th>
<th>Dozer: blade up</th>
<th>Relief valve setting: 34.3 MPa</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.5 m</td>
<td>3.0 m</td>
<td>4.5 m</td>
<td>6.0 m</td>
<td>At max. reach</td>
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<td>A</td>
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</tbody>
</table>

**ED160BLR**

<table>
<thead>
<tr>
<th></th>
<th>Arm: 2.38 m</th>
<th>Counterweight: 1,500 kg</th>
<th>Shoe: 600 mm</th>
<th>Dozer: blade up</th>
<th>Relief valve setting: 34.3 MPa</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.5 m</td>
<td>3.0 m</td>
<td>4.5 m</td>
<td>6.0 m</td>
<td>At max. reach</td>
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<td>A</td>
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</tbody>
</table>

**STANDARD EQUIPMENT**

- Engine: SDEC 4100DDV4 (4) diesel engine with turbocharger and intercooler and Stage V-compliant engine
- Auto idle stop
- Automatic engine deceleration
- battery (2 x 12 V - 60 Ah)
- Starting motor (24 V - 4 kW), 50 amp alternator
- Light and pan drain cock
- Flap element air cleaner
- ISO heaped bucket
- Add-on counterweight (+ 580/1,000 kg)
- Travel alarm
- Roll sun shade
- Quick hitch piping
- Air conditioning system
- Electric power steering system
- Electrically operated grille
- Remote control system
- Remote monitor system "KOMEXS"
- Side mirror
- Two control levers, pilot-operated
- Gooseneck

**OPTIONAL EQUIPMENT**

- Two control levers, pilot-operated
- Maneuvering support
- Integrated left-side range-gate control box
- Cab light intensity
- Cool fresh
- Large-cap holder
- Detachable two-piece floor mat
- Removable seatbelt
- Removable windshield wiper with double-spray washer
- Sky light
- Emergency stop button
- 3G and Bluetooth®
- 12V power outlet
- 2x fire extinguisher
- Automatic swing brake
- Automatic swingable blade
- Single bowl blade
- Lower frame guard
- LED lights and cameras
- 12V power outlet
- Automatic air conditioner
- Air conditioning system
- The air conditioning system on this machine contains fluorinated greenhouse gas R-134a (GWP 1430).
- Quantity of gas (0.8 kg - CO2 equivalent of 1.2 t)
- Quantity of gas (0.8 kg - CO2 equivalent of 1.2 t)
ED160BR-7

Bucket capacity:
0.24 – 0.7 m³ ISO heaped

Engine power:
86 kW/2,200 min⁻¹ (ISO14396)

Operating weight:
16,800 – 18,000 kg

Complies with the EU Stage V exhaust emission regulation

ED160 Design
ED160 Blade Runner

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1327 AE Almere
The Netherlands
www.kobelco-europe.com

May 2020 | POD0363

Enquiries To:

KOBELCO CONSTRUCTION MACHINERY EUROPE B.V.

We Save You Fuel

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