4-WAY BLADE

Note: This catalog may contain attachments and optional equipment that are not available in your area. And it may contain photographs of machines with specifications that differ from those of machines sold in your area. Please consult your nearest KOBELCO 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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Full-Size Performance, Short-Radius Agility and Quiet Operation

COMPACT YET TOUGH MINI

Now KOBELECO has taken the next evolutionary step by packing even more digging power and practical performance features into the SK45SRX/SK55SRX while maintaining a short tail swing. The new Energy Conservation Mode saves even more fuel, and Kobelco’s proprietary INDr Cooling System ensures quiet operation, protection from dust, and easy maintenance. For greater operator comfort and safety, the rectangular cab design offers plenty of room and an unobstructed view. It all adds up to enhanced full-size performance, short-radius agility and a low-noise environment, with exceptional performance features and a full range of value-added functions.
**The Revolutionary Integrated Noise and Dust Reduction Cooling System**

**iNDr Cooling System**

The iNDr+E system on the SK45SRX/SK55SRX features air intake at the front of the machine and air exhaust underneath. It functions in the same way as the iNDr system on the SR series machines, but also directs the muffler exhaust underneath. Small holes on the muffler disperse and slow down the exhaust. The exhaust is further slowed down and cooled through the offset duct and then discharged into the atmosphere.

**iNDr Filter Blocks Out Dust**

Outside air goes directly from the intake duct through the iNDr filter for dust removal, protecting vital engine coolers in adverse conditions.

**Visual Checking and Easy Cleaning**

Because the iNDr filter removes dust from the intake air, cooling components stay dirt-free and do not require regular cleaning. The iNDr filter itself can be easily removed and cleaned without the use of tools.

**Ultimate Low Noise**

KOBELCO’s exclusive iNDr Cooling System delivers amazingly quiet operation. In fact, the SK45SRX/SK55SRX is 9 dB quieter than the previous models.

- **Offset duct slow down exhaust**
- **Exhaust from the muffler and engine cooling fan**
- **Holes on the muffler disperses exhaust**

**Energy Conservation Mode**

The SK45SRX/SK55SRX adapts S mode which enables 25 percent less fuel consumption compared with the previous model.

**One Touch Deceleration**

The SK45SRX/SK55SRX features one-touch deceleration. It allows easy switching to an idling state, reducing the fuel consumption while the machine is at rest. Under complete control of the operator.

**Wide Working Range**

A larger boom and arm are provided as standard equipment to ensure a wider working range.

- **19’ 2” (5,850 mm): SK45SRX**
- **20’ 6” (6,240 mm): SK55SRX**

**Short Tail Swing**

The compact tail swing improves operating efficiency in limited space.

- **Tail overhang: 7.5” (190 mm)**
  - SK45SRX with Std. counterweight
  - 11.4” (290 mm)
  - SK45SRX/SK55SRX with heavy counterweight

**Overall height:**

- **11’ 3” (3,440 mm): SK45SRX**
- **12’ 10” (3,900 mm): SK55SRX**
- **18’ 7” (5,660 mm): SK45SRX**
- **19’ 5” (5,930 mm): SK55SRX**

**Easy Transportability**

With an overall cab height of 8’ 4” (2,530 mm), the machine is designed for easy transport.
**Fast, Full-Powered Digging and Leveling**

**Powerful Digging Performance**
- **Integrated-Flow Pump System**
  The instant the machine begins to dig, extra output from the third pump (which otherwise powers the swing and dozer circuit) is directed to the arm circuit and boom circuit (raise) for added power. This ensures fast and smooth arm and boom raising operation even under heavy loads.

- **Large Capacity Engine**
  The large-capacity engine meets Tier IV final requirements and packs plenty power for outstanding hydraulic performance.

- **Diesel Particular Filter (DPF)**
  DP filter greatly reduce PM emission. Carbon builds up as soot on the diesel particulate filter and is burned off at high temperature.

**More Travel Power**
- **Large Capacity Travel Torque**
  The large capacity travel torque enables the machine to perform spin turn in low mode even when the dozer is pushing a heavy load.

- **Automatic Two-Speed Travel**
  An automatic shift function ensures smoother, more efficient travel on worksite.

- **Travel Switch**
  The travel lever is fitted with a button for easy switching to Hi-Mode travel.

- **Hydraulic Pilot-Controlled Dozer Operation Lever**
  The dozer lever features hydraulic pilot control for precise control.

**Powerful and Efficient Dozer Performance**
- **New Dozer-Blade Shape**
  KOBELOCO’s unique blade design solves this problem by forming the earth into an arc that always falls forward. Because this prevents earth from falling behind the blade, only “one pass” is needed.

- **New 4-way Blade Option**
  Brand new from KOBELOCO is a 4-way blade option available on the SK45SRX/SK55SRX. Built-in the same durability as the standard blade, this 4-way option provides 23 to 25 degrees of left and right angle movement for clearing, grading and back-filling. The 4-way blade gives you better control for following changing terrain and helps eliminate the windrowing effect that can occur with standard dozer blades.

**Performance**
- **Large Capacity Engine**
  The large-capacity engine meets Tier IV final requirements and packs plenty power for outstanding hydraulic performance.

- **Diesel Particular Filter (DPF)**
  DP filter greatly reduce PM emission. Carbon builds up as soot on the diesel particulate filter and is burned off at high temperature.

**Maintenance**
- **Easy Daily Maintenance**
  Start-up checks are essential for safe and reliable machine operation. All start-up checks can be performed at ground level, with an easy-to-understand layout and cover design that simplify access and save time.

**Easy Access to Engine Compartment**
- **High-grade fuel filter**
- **Pre fuel filter with built-in water separator**
- **Air cleaner**

**Easy Access Electrical Component Under the Seat**
- **Two-piece floor mats for easy washing**
- **Hour meter**

**Easy Access to Cooling Unit**
- **Easy Access to Fuel Tank**
COMFORT

Comfortable Work Environment

Spacious Work Environment
The newly designed, rectangular cab is over 32 inches wide, with optimized control layout for comfortable, easy operation. A greater window area further improves visibility. A clear view is provided at the rear, and there’s also more floor space, with a seat that slides further to ensure plenty of leg room.

Easy Access
A wide-opening door and a left-hand tilting control console with safety lever that rises higher than before, make it much easier for operators enter and exit the cab.

Plenty of Foot Room
Generous space below, eases pedal operation.

Excellent Front Visibility
Wider front window ensures an open, panoramic view.

Work Lights
Work light is mounted under the boom to protect from damage.

Color Liquid Crystal Monitor (Optional)
The color liquid crystal monitor is fitted as option. Operation data as well as the full range of machine-status data can readily be checked.

Skylight

Standard Pattern Changer
Standard pattern changer allows for increased utilization and flexibility to match operator preference.

Control Lever
Precise proportional controls are integrated into the joystick for ease of operation.

Comfortable Operating Environment

Climate control
The climate control system is located down and to the right of the seat, keeping the rear view clear.

Vent to send cooled air toward the operator if he desires.

Operable Cab Structure
The high-strength cab meets ROPS and FOPS standards for greater operator safety.

Exclusive, Newly Designed ROPS/FOPS Canopy
The high-strength canopy meets ROPS and FOPS standards for greater operator safety.

Hammer for emergency exit

Opening/closing front window
The front window features gas damper cylinders for smooth and easy opening.

Coat hook
Room light
Two-speaker FM/AM radio with station select

Maintenance Working hours Fuel Consumption

Reliable Cab Structure
The boom, arm and swing bracket all have large cross-section designs for added attachment strength.

Strong boom and arm

- Bolt-tightened pins firmly lock the boom and arm to prevent the boom tip from opening laterally.
- Thick durable boom top.

Bucket

- Cast-iron idler link provides greater strength.
- Thick durable bucket top.

Accumulator for Emergency Attachment Lowering

A newly installed accumulator allows the attachment to be safely lowered to the ground using in-cab controls in the event of an unexpected engine shut-down and class leading smooth operation.

Standard thumb mounting bracket

- Box construction.

Dozer

- Box construction.
- Greater strength.

Swing bracket

- Large, thick cast-iron swing bracket.

Hydraulic piping

- The hydraulic piping is housed inside the swing bracket for protection.

Plate type pin head prevents wear by rotation of the pin itself.
- Thick durable boom foot.

Thick durable boom top

- Bolt-tightened pins / firmly lock the boom and arm to prevent the boom tip from opening laterally.

Thick durable boom foot

- Cast-iron idler link provides greater strength.

Box construction dozer supports provide greater strength.

Class leading smooth operation.

The hydraulic piping is housed inside the swing bracket for protection.
### SPECIFICATIONS

**WORKING RANGES**

<table>
<thead>
<tr>
<th>Unit</th>
<th>Min.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Torque</td>
<td>lbf-ft (N •m)</td>
<td>97.3 (131.8)</td>
</tr>
<tr>
<td>Swing Motor</td>
<td>Axial piston motor</td>
<td></td>
</tr>
<tr>
<td>Working Ranges (height/depth)</td>
<td>ft-in (mm)</td>
<td>1' 3&quot; (375) x 1' 3&quot; (385)</td>
</tr>
<tr>
<td>Drawbar Pulling Force (SAE)</td>
<td>lbf (kN)</td>
<td>12,342 (54.9)</td>
</tr>
<tr>
<td>Bucket Capacity</td>
<td>cu ft (m³)</td>
<td>5.65 (0.16)</td>
</tr>
<tr>
<td>Canopy</td>
<td>lbs (kg)</td>
<td>11,600 (5,260)*</td>
</tr>
<tr>
<td>Machine Mass</td>
<td>Cab</td>
<td>lbs (kg)</td>
</tr>
<tr>
<td>Type</td>
<td>Water cooled, 4-cycle, 4-cylinder, direct injection,</td>
<td></td>
</tr>
<tr>
<td>Ground Pressure</td>
<td>Cab</td>
<td>psi (kPa)</td>
</tr>
<tr>
<td>Shoe Width</td>
<td>in (mm)</td>
<td>15.7&quot; (400)</td>
</tr>
</tbody>
</table>

**HYDRAULIC SYSTEM**

<table>
<thead>
<tr>
<th>Unit</th>
<th>Min.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank</td>
<td>US gal (L)</td>
<td>19.8 (75)</td>
</tr>
<tr>
<td>Bucket Width</td>
<td>ft-in (mm)</td>
<td>2' 2&quot; (650)</td>
</tr>
<tr>
<td>Bucket Digging Force</td>
<td>lbf (kN)</td>
<td>7,000 (31.1)</td>
</tr>
<tr>
<td>Arm Length</td>
<td>ft-in (m)</td>
<td>5' 7&quot; (1.69)</td>
</tr>
<tr>
<td>Arm Crowding Force</td>
<td>lbf (kN)</td>
<td>5,300 (23.7)</td>
</tr>
<tr>
<td>Offset Angle</td>
<td>To the right</td>
<td>degree</td>
</tr>
<tr>
<td>Offset Angle</td>
<td>To the left</td>
<td>degree</td>
</tr>
<tr>
<td>Tail Swing Radius</td>
<td>ft-in (mm)</td>
<td>4' 2&quot; (1,270)*</td>
</tr>
<tr>
<td>Relief Valve Setting</td>
<td>psi (MPa)</td>
<td>3,335 (23.0)</td>
</tr>
<tr>
<td>Max. Discharge Flow</td>
<td>US gpm (L/min)</td>
<td>2 x 13.2 (49.9), 8.9 (33.8), 2.9 (10.8)</td>
</tr>
</tbody>
</table>

**HYDRAULIC P.T.O**

<table>
<thead>
<tr>
<th>Unit</th>
<th>Min.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance from dozer top to center of upperstructure</td>
<td>9' 7&quot; (2,920)</td>
<td></td>
</tr>
<tr>
<td>Overall width of upperstructure</td>
<td>6' 4&quot; (1,940)</td>
<td></td>
</tr>
<tr>
<td>Shoe width</td>
<td>15.7&quot; (400)</td>
<td></td>
</tr>
<tr>
<td>Track gauge</td>
<td>5' 1&quot; (1.560)</td>
<td></td>
</tr>
<tr>
<td>Tumbler distance</td>
<td></td>
<td></td>
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**DIMENSIONS**

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**LIFTING CAPACITIES**

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<thead>
<tr>
<th>Unit</th>
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<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 ft (0.46 m)</td>
<td>2,210</td>
<td>2,210</td>
</tr>
<tr>
<td>2.5 ft (0.76 m)</td>
<td>5,010</td>
<td>5,230</td>
</tr>
<tr>
<td>5 ft (1.52 m)</td>
<td>15,080</td>
<td>16,800</td>
</tr>
<tr>
<td>10 ft (3.05 m)</td>
<td>41,680</td>
<td>44,500</td>
</tr>
</tbody>
</table>

*Figures show the value with heavy counterweight.

### Notes:

1. Do not attempt to lift or hold any load that is greater than these lifting capacities at their specified lift point radius and heights. Weight of all accessories must be deducted from the above lifting capacities.
2. Lifting capacities apply to only machines as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.
3. Arm bucket pin, without bucket is defined as lift point.
4. The above lifting capacities are in compliance with SAE J/ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Lifting capacities marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
5. Operators should be fully acquainted with the Operator’s and Maintenance Instructions before operating this machine. Rules for safe operation of equipment should be adhered to at all times.