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 areas. 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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KOBELCO CONSTRUCTION MACHINERY U.S.A. INC.
22350 Merchants Way, Katy, Texas 77449
http://www.kobelco-usa.com/
The new KOBELCO SK30SR / SK35SR expands the horizons of mini excavators, and offers practical performance features 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.
**ENVIRONMENT**

**iNDr Cooling System**

**The Revolutionary Integrated Noise and Dust Reduction Cooling System**

The iNDr system on the SK30SR/SK35SR 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.

**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.

**iNDr Filter**

The stainless-steel filter is extremely effective against dust, with 30-mesh wave-type screen that removes tiny dust particles from the intake air.

A 30-mesh means that there are 30 holes formed by horizontal and vertical wires in every square inch of filter.

**Performance**

**Compact, yet, Big Performance**

**Wide Working Range**

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

<table>
<thead>
<tr>
<th>Model</th>
<th>SK30SR</th>
<th>SK35SR</th>
</tr>
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<tbody>
<tr>
<td>Tail overhang</td>
<td>0&quot; (0 mm) [Standard weight]</td>
<td>4&quot; (90 mm) [Additional weight]</td>
</tr>
<tr>
<td>Overall height</td>
<td>9' 2&quot; (2,800 mm)</td>
<td>11' 0&quot; (3,350 mm)</td>
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**Short Tail Swing**

The compact tail swing improves operating efficiency in limited space.

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**Energy Conservation Mode**

The SK30SR/SK35SR adapts S mode which enables 25 percent less fuel consumption compared with the previous model.

**One Touch Deceleration**

The SK30SR/SK35SR features one-touch deceleration. It allows easy switching to an idling mode, reducing fuel consumption while the machine is at rest. Under complete control of the operator.

**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.

**iNDr Filter**

The stainless-steel filter is extremely effective against dust, with 30-mesh wave-type screen that removes tiny dust particles from the intake air.

A 30-mesh means that there are 30 holes formed by horizontal and vertical wires in every square inch of filter.

**N&B/thumb bracket switching valve**

N&B/thumb bracket switching valve installed at tip of arm as standard. When changing between attachments, the hydraulic circuit can simply be switched with the valve, without the need to recouple the hose.

**Easy Transportability**

With an overall cab height of 8’ 3” (2,510 mm), the machine is designed for easy transport.
**PERFORMANCE**

**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.

**More Travel Power**

**Large Capacity Travel Torque**

The large capacity travel torque enables the machine to perform spin turn in low mode and push heavy load in dozing.

**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.

**Powerful and Efficient Dozer Performance**

**New Dozer-Blade Shape**

KOBELCO’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 KOBELCO is a 4-way blade option available on the SK30SR/SK35SR. Built-in the same durability as the standard blade, this 4-way option provides 25 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.

**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 to Cooling Unit**

- Easy Access Electrical Component Under the Seat

**Easy Access to Fuel Tank**

- Hour meter
- Fuel tank

**Two-piece floor mats for easy washing**
Spacious Work Environment
The newly designed optional rectangular cab is 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 a safety lever that rises high, make it much easy for operators to enter and exit the cab.

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

Work Light
Lighting installed on the underside of the boom minimizes the risk of damage to it.

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

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.

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

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

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

Two-speaker FM/AM radio with station select
Two speakers tuned to send cooled air toward the operator as needed.

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

Exclusive, Newly Designed ROPS/FOPS Canopy

Operator Safety

Cab is available only SK35SR as option.

Cab is optional for SK35SR.
**Reliable Construction**

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

**Strong boom and arm**

Plated type pin head prevents wear by rotation of the pin itself. Thick swing bracket.

**Bucket**

Casting iron idler links provide greater strength.

**Dozer**

Box construction dozer supports provide greater strength.

**Swing bracket**

Large, thick cast-iron swing bracket. Thick swing bracket.

**Accumulator for Emergency Attachment Lowering**

A newly installed accumulator allows the attachment to be safety lowered to the ground using in-cab controls in the event of an unexpected engine shut-down.

**Hydraulic piping**

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

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**SK30SR SPECIFICATIONS**

**SK30SR WORKING RANGES & DIMENSIONS**

**SK30SR 4-WAY BLADE**

4' 4" (1.32m) Arm
**LIFTING CAPACITIES**

<table>
<thead>
<tr>
<th>SK30SR-6E</th>
<th>Arm: 4' 11&quot; (1.51m), Wide, Steel, 11' 8&quot; (3.58m), Canopy: Right</th>
<th>At Max. Reach</th>
<th>Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>15' (5.9m)</td>
<td>lb</td>
<td>1,700</td>
<td>1,370</td>
</tr>
<tr>
<td>12.5'</td>
<td>lb</td>
<td>2,000</td>
<td>1,680</td>
</tr>
<tr>
<td>10'</td>
<td>lb</td>
<td>2,470</td>
<td>2,210</td>
</tr>
<tr>
<td>7.5'</td>
<td>lb</td>
<td>3,070</td>
<td>2,500</td>
</tr>
<tr>
<td>5' (1.5m)</td>
<td>lb</td>
<td>3,850</td>
<td>3,300</td>
</tr>
</tbody>
</table>

**SK35SR SPECIFICATIONS**

- **Machine Mass Cab**: 8,555 lbs (3,880 kg)
- **Hydraulic Oil Tank (system)**: 5.4 US gal (20.4 L)
- **Power Output**: 23.1 hp (17.2 kW) at 2,400 rpm
- **Engine Type**: YANMAR 3TNV88F-E
- **Displacement**: 100.2 cu in (1.642 L)
- **Hydraulic Oil**: US gal (L) 5.4 (20.4)
- **Relief Valve Setting (Excavating circuits)**: psi (Mpa) 3,335 (23.0)
- **Travel Speed (high/low)**: mph (km/h) 2.7 (4.4) / 1.6 (2.5)
- **Drawbar Pulling Force (SAE)**: lbf (kN) 8,565 (38.1)
- **Travel Motors**: 2 x axial-piston, two-step motors
- **Swing Motor**: Axial piston motor
- **Parking Brake**: Oil disc brake, hydraulic operated
- **Swing Speed**: min-1 {rpm} 8.4

**SK35SR WORKING RANGES & DIMENSIONS**

- **6’ 8” (1.67m) Arm**

**SK35SR 4-WAY BLADE**

- **Unit: ft-in (mm)**
- **Over the front Cab**: 7’ 7” (2,320 mm)
- **Canopy rubber**: psi (Mpa) 4.7 (32.4)
- **Working Ranges (height/depth)**: ft-in (mm) 1’ 7” (470) / 1’ 4” (345)
- **Width x Height**: ft-in (mm) 5’ 7” (1,700) x 1’ 2” (345)
- **Swing Speed**: min-1 {rpm} 8.4
- **Parking Brake**: Oil disc brake, hydraulic operated automatically
- **Travel Speed (high/low)**: mph (km/h) 2.7 (4.4) / 1.6 (2.5)
- **Travel Motors**: 2 x axial-piston, two-step motors

**CAB & CANOPY**

- **Arm Tip Height Above/Below Ground**: 5’ (1.5m) 7.5’ (2.3m) 10’ (3.0m) 12.5’ (3.8m) At Max. Reach
- **B**: Arm tip height above/below ground
- **C**: lifting capacities in pounds
- **SK30SR Canopy**: Arm: 4’ 4” (1.32m), Without bucket, Shoe: 11.8” (300mm) Heavy Counterweight (+551 lb/250 kg)
- **SK35SR Canopy**: Arm: 4’ 6” (1.37m), Without bucket, Shoe: 11.8” (300mm) STD. Counterweight

**ENGINE**

- **Type**: Water cooled, 4-cycle, 3-cylinder
- **Model**: YANMAR 3TNV88F-E
- **Displacement**: 100.2 cu in (1.642 L)
- **Output**: hp (kW) at rpm 23.1 (17.2) at 2,400 rpm
- **Hydraulic Oil**: US gal (L) 5.4 (20.4)
- **Relief Valve Setting (Excavating circuits)**: psi (Mpa) 3,335 (23.0)
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### LIFTING CAPACITIES

**SK35SR Canopy**

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<td>2,100</td>
<td>2,500</td>
<td>2,900</td>
<td>3,300</td>
<td>3,700</td>
</tr>
<tr>
<td>A: Arm tip height above/below ground</td>
<td>1,700</td>
<td>2,100</td>
<td>2,500</td>
<td>2,900</td>
<td>3,300</td>
<td>3,700</td>
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**Notes:**

1. Do not attempt to lift or hold any load that is greater than these lift capacities at their specified lift point radius and heights. Weight of all accessories must be deducted from the above lift capacities.
2. Lift capacities are based on machine standing on level, firm, and uniform ground. Use must make allowance for job conditions, such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, experience of personnel, etc.
3. Arm tip defined as lift point.

4. The above lifting capacities are in compliance with ISO 10567. They do not exceed 83% of hydraulic lifting capacity at 10% of tipping load. Lifting capacity marks with an asterisk (*) are limited by hydraulic capacity rather than tipping load. The excavator bucket weight is not included on this chart. Lifting capacities are for standard arm.
5. Operator 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.
6. Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

#### Relief valve setting: 3,335 psi (23 MPa)

Shoe: Rubber shoe   Dozer blade: Down

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<th>Arm Tip Height (in.)</th>
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<td>2,100</td>
<td>2,500</td>
<td>2,900</td>
<td>3,300</td>
<td>3,700</td>
</tr>
</tbody>
</table>

### SK35SR (5) x 3.8m)

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<th>Arm Tip Height (in.)</th>
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<td>2,100</td>
<td>2,500</td>
<td>2,900</td>
<td>3,300</td>
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