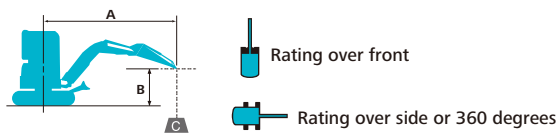


LIFTING CAPACITIES



SK35SR Cab		Standard Arm: 1.37 m, Bucket: without		Standard weight		Shoe: 300 mm						Radius
B	A	1,0 m		2,0 m		3,0 m		4,0 m		At Max. Reach		
4.0 m	kg									*730	*730	3.32 m
3.0 m	kg							610	570	570	530	4.15 m
2.0 m	kg					*900	860	590	550	480	450	4.54 m
1.0 m	kg					860	790	570	530	460	430	4.63 m
G. L.	kg			1,590	1,420	830	760	550	510	480	440	4.45 m
-1.0 m	kg	*2,290	*2,290	1,610	1,440	830	760			560	520	3.95 m
-2.0 m	kg			*1,330	*1,330					*770	*770	2.90 m

SK35SR Canopy		Standard Arm: 1.37 m, Bucket: without		Standard weight		Shoe: 300 mm						Radius
B	A	1,0 m		2,0 m		3,0 m		4,0 m		At Max. Reach		
4.0 m	kg									*730	*730	3.32 m
3.0 m	kg							580	540	540	510	4.15 m
2.0 m	kg					890	820	560	530	460	430	4.54 m
1.0 m	kg					820	760	540	510	430	410	4.63 m
G. L.	kg			1,510	1,360	790	730	520	490	450	420	4.45 m
-1.0 m	kg	*2,290	*2,290	1,530	1,370	790	730			540	500	3.95 m
-2.0 m	kg			*1,330	*1,330					*770	*770	2.90 m

- Notes:
- 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.
  - Lifting capacities are based on machine standing on level, firm, and uniform ground. User 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.
  - Arm top defined as lift point.
  - The above lifting capacities are in compliance with 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.
  - 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.
  - Lifting capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

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. Copyright by **KOBELCO CONSTRUCTION MACHINERY CO., LTD.** No part of this catalog may be reproduced in any manner without notice.

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KOBELCO

SK35SR-6

MINI EXCAVATOR  
SK35SR



We Save You Fuel  
Achieving a Low-Carbon Society

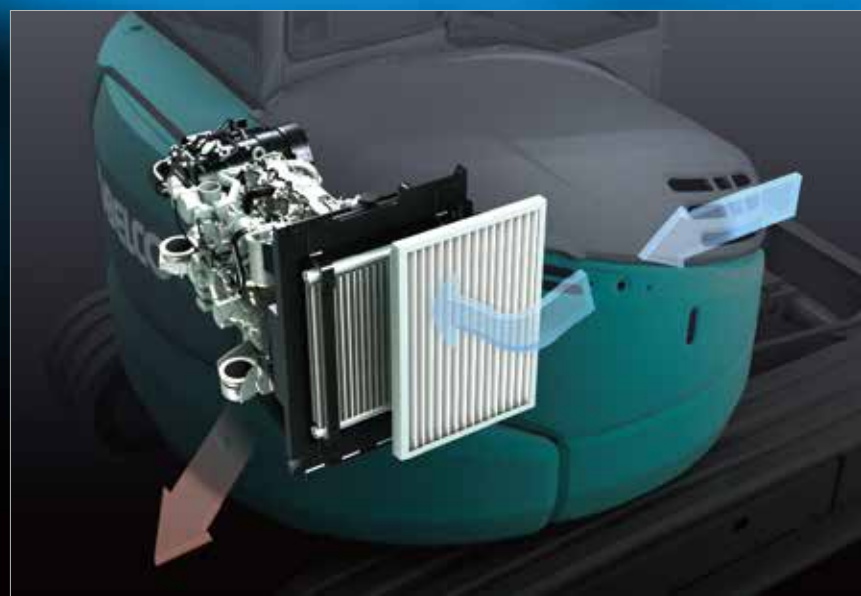
## Full-Size Performance, Short-Radius Agility and Quiet Operation

# COMPACT YET TOUGH MINI

The KOBELCO SK35SR expands the horizons of mini excavators, and offer 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 spacious 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 highly airtight engine compartment and the offset duct contribute to noise reduction. The iNDr filter fitted in front of the cooling system ensures easy cleaning. The iNDr system on the SR Series mini excavators 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.

### Ultimate Low Noise

KOBELCO's exclusive iNDr Cooling System delivers amazingly quiet operation.



at 1 m backward from machine rearend and 1.5 m height from ground level.

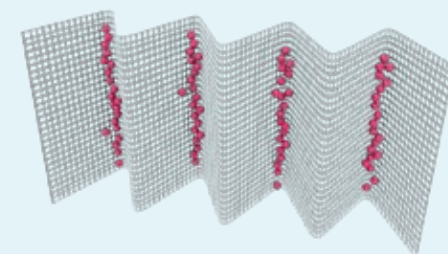
### Visual Checking and Easy Cleaning

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.



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

### iNDr Filter Blocks Out Dust

Outside air goes directly from the intake duct through the iNDr filter for dust removal.

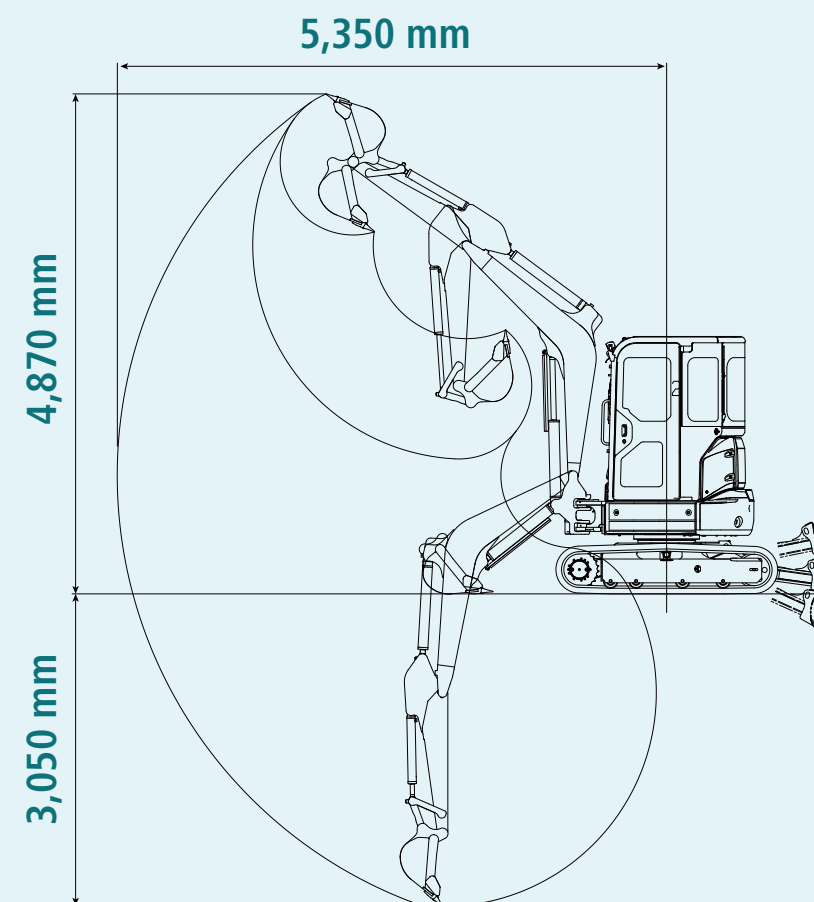


## PERFORMANCE

# Compact, yet, Big Performance

### Wide Working Range

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



### Short Tail Swing

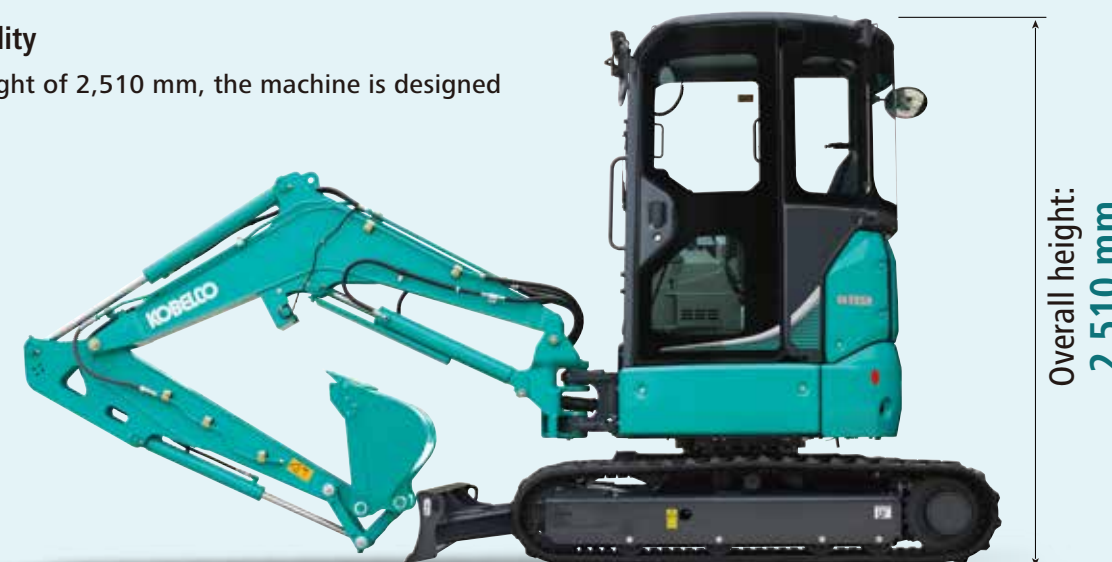
The compact tail swing improves operating efficiency in limited space.

Tail overhang:  
0 mm  
(without rear view mirror)



### Easy Transportability

With an overall height of 2,510 mm, the machine is designed for easy transport.



Overall height:  
2,510 mm



## PERFORMANCE

# Fuel Economy and Digging Power

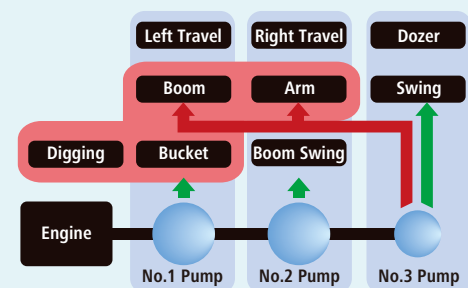
## Solid Digging Performance

### Assured Pump Flow and Pump Pressure

Pump flow of 38.4 L/min and pressure of 23.0 MPa (relief valve setting), maintain ample power.

### 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.



### Energy Conservation Mode

The machine equipped with S mode, which lowers fuel consumption by up to 25 % over previous models.



### One Touch Deceleration

The SK35SR features one-touch deceleration. It allows easy switching to an idling state, reducing the fuel consumption while the machine is at rest.



## 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. When the High mode is selected, the travel system will automatically shift to Low mode whenever the load or climbing grades requires more power.

### Travel Switch

The travel lever is fitted with a button for easy shift up.



## Powerful and Efficient Dozer Performance

### 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.



### Hydraulic Pilot-Controlled Dozer Operation Lever



The dozer lever features hydraulic pilot control for precise handling.

## 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 Component Inside the Cab



Two-piece floor mats for easy washing



Hour meter



Air conditioner filter



### Floor Mat with Raised Edges

Floor mat's raised edges help keep the cab floor free of mud, simplifying cleaning.



### Easy Access to Engine Compartment



High-grade fuel filter



Pre fuel filter with built-in water separator



Air cleaner



Fuel tank

### Easy Access to Cooling Unit

iNDR filter





## COMFORT

### Comfortable Work Environment

#### Spacious Work Environment

The spacious cab provides 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 high, make it easy for operators to enter and exit the cab.



#### Sliding Door

Sliding door makes cab entry and exit easier where space is tight.



#### Reclining Suspension Seat

Suspension seat reclines to allow operator to optimize operating position and sit comfortably.



#### Skylight



#### Color Multi Display (Option)

Operation data as well as the full range of machine-status data can readily be checked.



### Comfortable Operating Environment

#### Opening Right Window

Rear window to the right can be opened to improve ventilation.



#### 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.



#### Coat Hook



#### Room Light



#### Rear View Mirrors (Option)



Control levers in photo show HCP lever for optional rotating NGB spec.

### Operator Safety

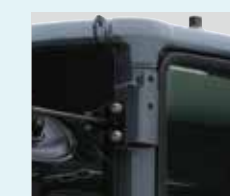
#### Reliable Cab/Canopy Structure

The high-strength cab/canopy meets ROPS and TOP GUARD LEVEL 1 standards for greater operator safety.



#### Bracket for Yellow Rotating Light

Bracket provided at cab rear for optional fitting of a yellow rotating warning light.



#### Work Light

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



#### Hammer for Emergency Exit





RELIABILITY

Reliable Construction

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

Boom cylinder guard



Forged boom top

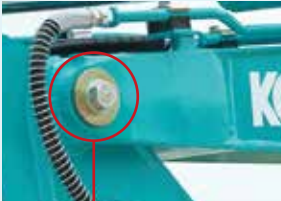


Plate type pin



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



Swing bracket

Large, thick cast-iron swing bracket/front bracket.

Hydraulic hosing

The hydraulic hosing is housed inside the swing bracket.

Dozer

Box construction dozer supports provide greater strength.

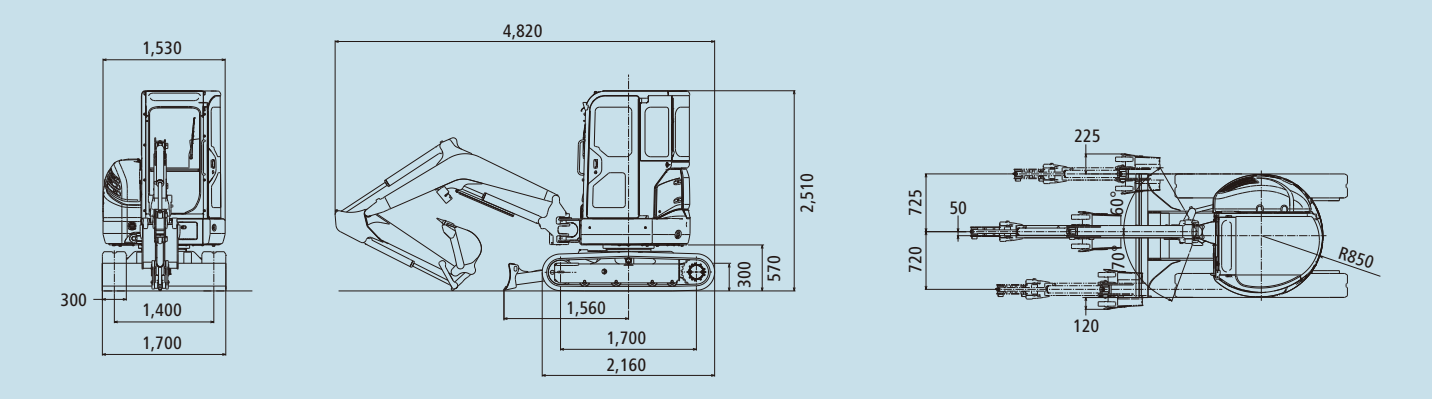
Bucket

Cast-iron idler link provide greater strength.

SPECIFICATIONS

MODEL			SK355R		
Type			SK355R-6		
Machine Mass	Cab	kg	3,850		
	Canopy	kg	3,700		
Bucket Capacity		m <sup>3</sup>	0.11		
Bucket Width (with side cutter)		mm	600		
Arm Length		m	1.37		
Bucket Digging Force		kN	27.8		
Arm Crowding Force		kN	22.4		
ENGINE			YANMAR 3TNV82A-B		
Model			Water cooled, 4-cycle, 3-cylinder, direct injection, diesel engine		
Power Output	(ISO 9249)	kW/min <sup>-1</sup>	17.1/2,400		
	(ISO 14396)	kW/min <sup>-1</sup>	17.8/2,400		
Max.Torque	(ISO 9249)	N·m/min <sup>-1</sup>	77.7/1,440		
	(ISO 14396)	N·m/min <sup>-1</sup>	79.4/1,440		
Displacement		L	1.331		
Fuel Tank		L	42		
HYDRAULIC SYSTEM			Two variable displacement pumps + One gear pump		
Pump			2 x 38.4, 1 x 19.2		
Max. Discharge Flow		L/min	23.0		
Relief Valve Setting		MPa	20.4 (44.8)		
Hydraulic Oil Tank (system)		L			
TRAVEL SYSTEM			2 x axial-piston, two-step motors		
Travel Motors			Oil disc brake per motor		
Parking Brake			4.4/2.5		
Travel Speed (high/low)		km/h	58 (30)		
Gradeability		% (degree)			
Drawbar Pulling Force	Cab	kN	38.1		
	Canopy	kN	38.2		
CRAWLER			Rubber		
Shoe			300		
Shoe Width		mm	33.5		
Ground Pressure	Cab	kPa	32.2		
	Canopy	kPa			
DOZER BLADE			1,700 x 345		
Width x Height		mm	395/320		
Working Ranges (height/depth)		mm			
SWING SYSTEM			Axial piston motor		
Swing Motor			Oil disc brake, hydraulic operated automatically		
Parking Brake			8.4		
Swing Speed		min <sup>-1</sup>			

GENERAL DIMENSIONS



OPTIONAL EQUIPMENT

• Rotating (HCP*) piping	• Add-on counterweight (250 kg) + 90 mm tail swing radius	• Rear view mirror
• Color Multi display	• Boom & arm holding valve	• Rear under mirror
• Long arm (+300 mm)	• Additional light for canopy	• Arm & bucket cylinder cover
• Steel shoe	• Travel alarm	• Front guard
• Bolt-on Pad shoes (for steel shoes)		

\*Hand Control Proportional

WORKING RANGES

