

KOBELCO

SK55SRX-6

SK55SRX



We Save You Fuel
Achieving a Low-Carbon Society

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

COMPACT YET TOUGH MINI

Now KOBELCO has taken the next evolutionary step by packing even more digging power and practical performance features into the 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.



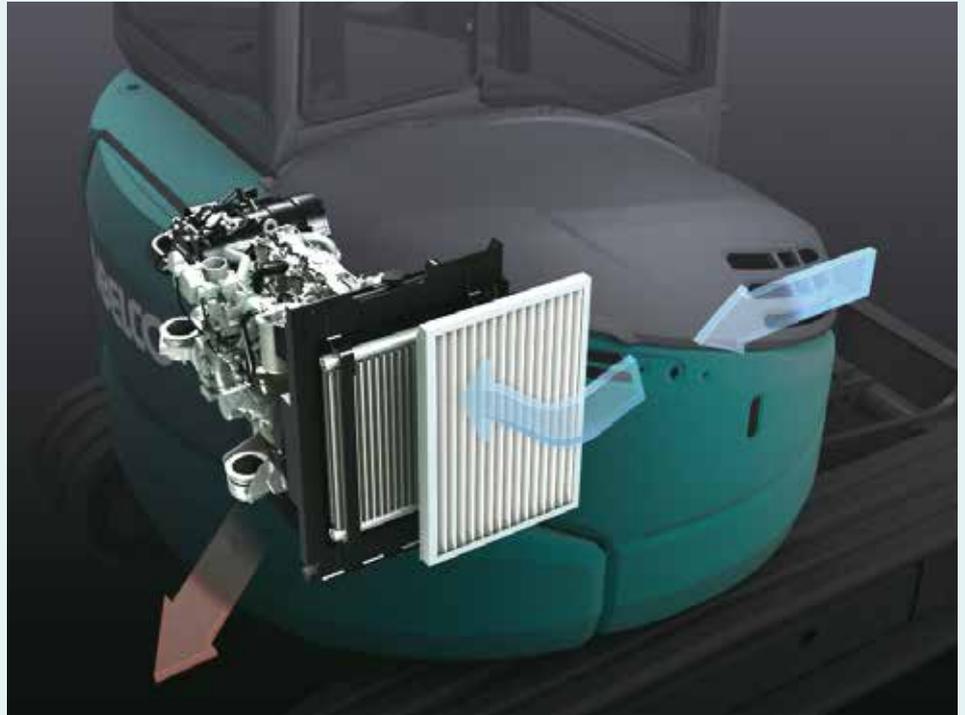


iNDr Cooling System

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 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.



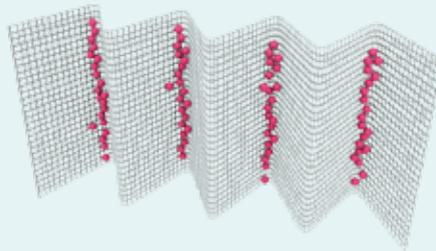
Visual Checking and Easy Cleaning

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.



Ultimate Low Noise

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

Sound Power Level

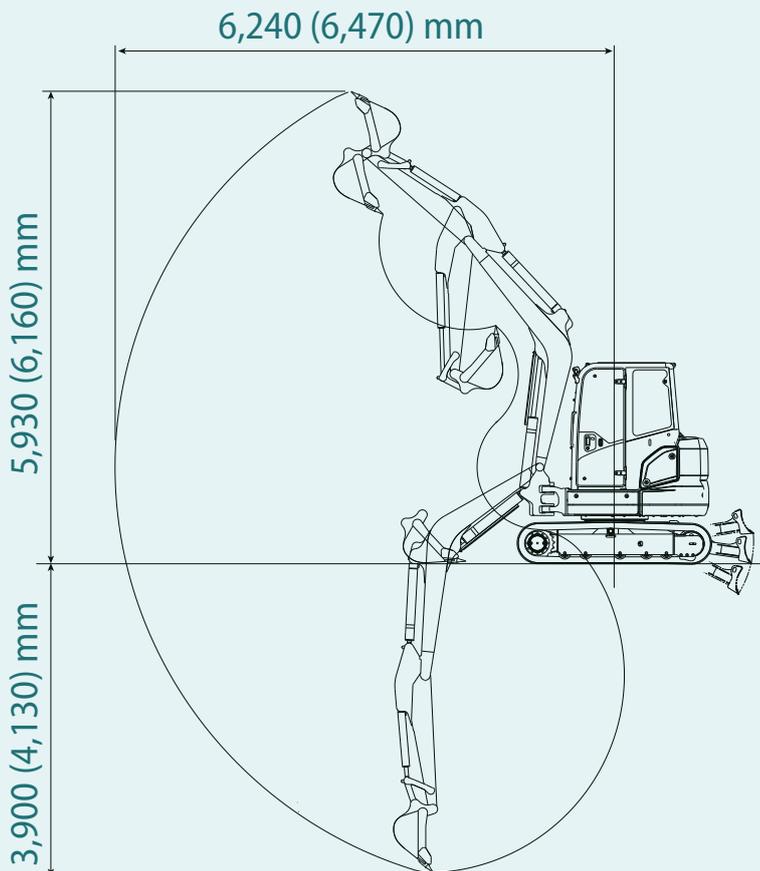


PERFORMANCE

Compact, yet, Big Performance

Wide Working Range

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



Figures in () show the value with 1.92 m long arm spec.

Short Tail Swing

The compact tail swing improves operating efficiency in limited space.



*Figure shows the value of with add-on counterweight.

Energy Conservation Mode



The SK55SRX adapts S-mode which enables 23 % less fuel consumption compared with H-mode.

One Touch Deceleration

The machine features one-touch deceleration. It allows easy switching to an idling state, reducing the fuel consumption while the machine is at rest. And also, the deceleration select switch is provided on the control panel.



Deceleration switch



Deceleration select switch

Easy Transportability

With an overall height of 2,530 mm, the machine is designed for easy transport.



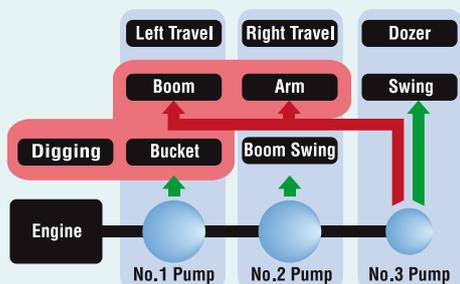
Fast, Full-Powered Digging and Leveling

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.



Easy Hydraulic Piping for Quick Hitch

Quick Hitch is available as option. Piping for Quick Hitch is fitted as standard.



Large Capacity Engine

The large-capacity engine 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 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.

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

Floor Mat with Raised Edges

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



Easy Access to Cooling Unit

iNDR filter



Easy Access to Engine Compartment



High-grade fuel filter



Pre fuel filter with built-in water separator



Air cleaner



Fuel tank



COMFORT

Comfortable Work Environment



Spacious Work Environment

The newly designed, rectangular cab is over 820 mm 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 high, make it easy for operators to enter and exit the cab.



Reclining Suspension Seat

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



Skylight



Control Lever

Precise proportional controls (optional) are integrated into the joystick for ease of operation.



Color Multi Display (Option)



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



Maintenance



Working hours

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



Two-Speaker FM/AM Radio with Station Select

Bluetooth Installed Radio



Bluetooth installed to allow connections with iPhones and other devices.

12V Power Source

Power for various purposes.



USB Port

USB port can be used to play music etc.



Operator Safety

Reliable Cab/Canopy Structure

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



Rear View Mirrors



Bracket for Yellow Rotating Light

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



Hammer for Emergency Exit



Work Light

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

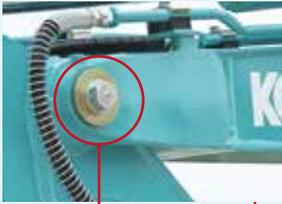


RELIABILITY

Reliable Construction

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

Forged boom top



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

Boom cylinder guard

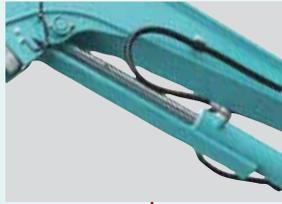
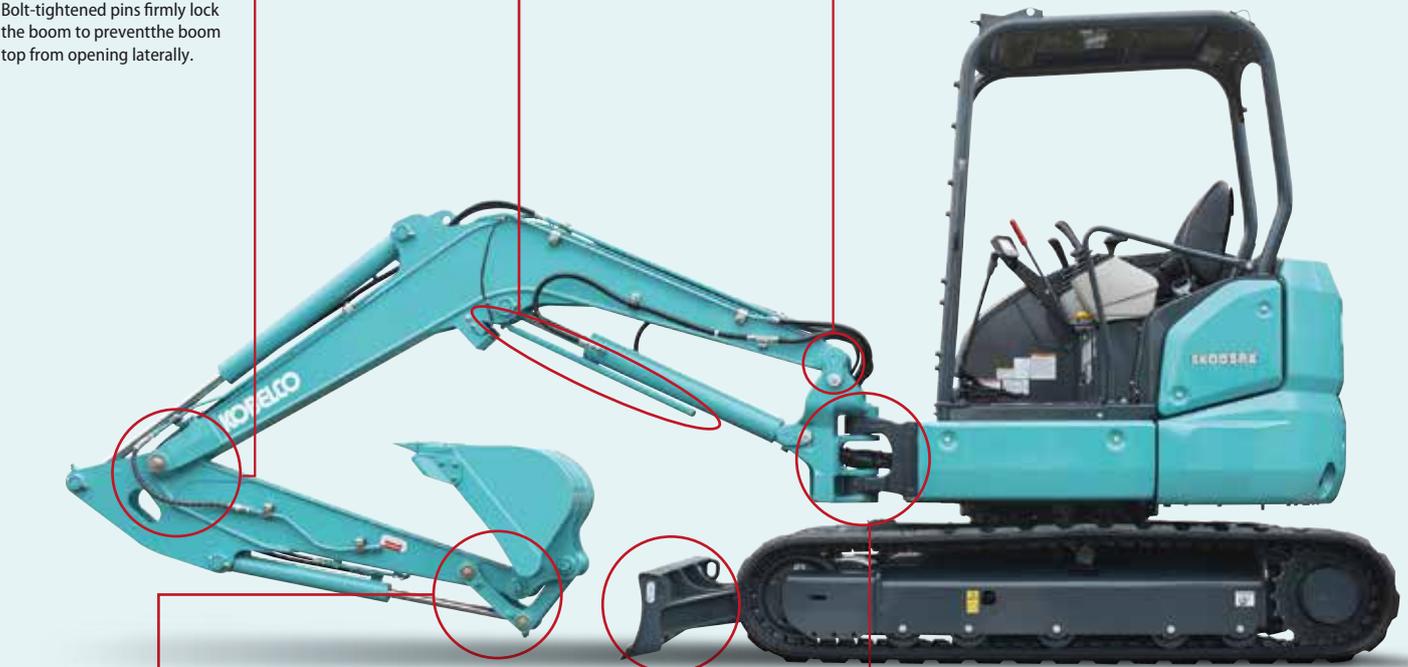


Plate type pin



Bucket
Cast-iron idler link provides greater strength.



Dozer
Box construction dozer supports provide greater strength.



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



Hydraulic hosing
The hydraulic hosing is housed inside the swing bracket.

Accumulator for Emergency Attachment Lowering

An 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.

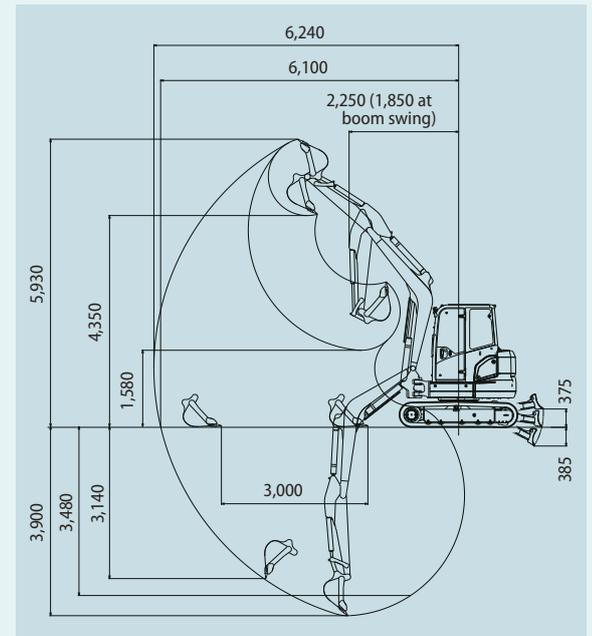


SPECIFICATIONS

GENERAL				
MODEL		SK55SRX		
Type		SK55SRX-6		
Crawler Shoe		Rubber	Steel	
Machine Mass	Cab	kg	5,020	5,160
	Canopy	kg	4,900	5,040
Bucket Capacity		m ³	0.16	
Bucket Width (with side cutter)		mm	600	
Arm Length		mm	1.69	
Bucket Digging Force		kN	35.2	
Arm Crowding Force		kN	24.6	
ENGINE				
Model		YANMAR 4TNV88-B		
Type		Water cooled, 4-cycle, 4-cylinder, direct injection, diesel engine		
Power Output	(ISO 9249)	kW/min ⁻¹	28.3/2,400	
	(ISO 14396)	kW/min ⁻¹	29.6/2,400	
Max. Torque	(ISO 9249)	N-m/min ⁻¹	131.1/1,440	
	(ISO 14396)	N-m/min ⁻¹	132.9/1,400	
Displacement		L	2.189	
Fuel Tank		L	75.0	
HYDRAULIC SYSTEM				
Pump		Two variable displacement pumps + one gear pump		
Max. Discharge Flow		L/min	2 x 49.9, 1 x 33.8	
Relief Valve Setting		MPa	23.0	
Hydraulic Oil Tank (system)		L	27.9 (57.7)	
TRAVEL SYSTEM				
Travel Motors		2 x axial-piston, two-step motors		
Parking Brake		Oil disc brake per motor		
Travel Speed (high/low)		km/h	4.0/2.3	3.7/2.1
Gradeability		% (degree)	58 (30)	
Drawbar Pulling Force		kN	54.9	
CRAWLER				
Shoe Width		mm	400	
Ground Pressure	Cab	kPa	28.7	30.4
	Canopy	kPa	28.0	29.7
DOZER BLADE				
Width x Height		mm	1,960 x 345	
Working Ranges (height/depth)		mm	375 x 385	
SWING SYSTEM				
Swing Motor		Axial piston motor		
Parking Brake		Oil disc brake, hydraulic operated automatically		
Swing Speed		min ⁻¹	8.8	

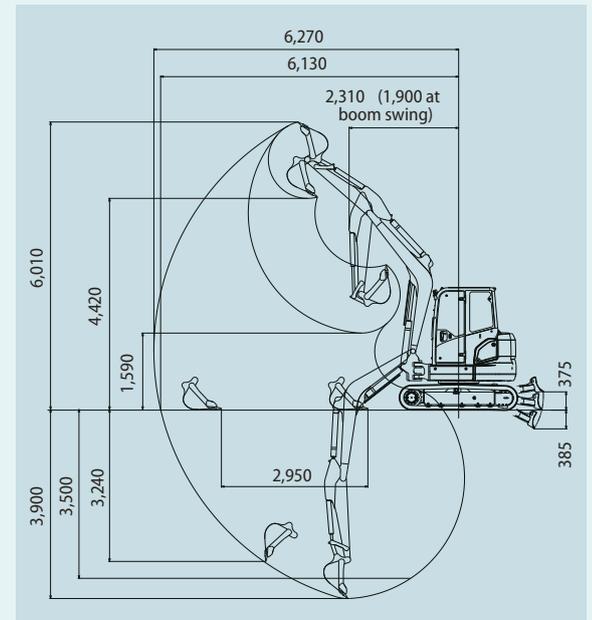
WORKING RANGES

Unit: mm



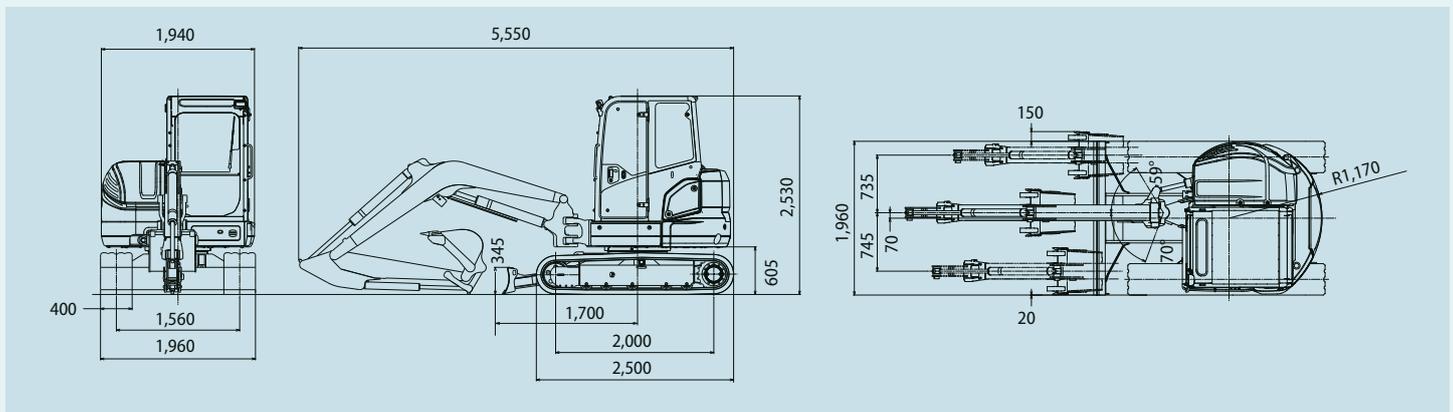
■ Arm for Quick Hitch

Unit: mm



GENERAL DIMENSIONS

Unit: mm



OPTIONAL EQUIPMENT

- Rotating N&B (HCP*) piping
- ROPS cab with air conditioner
- Steel shoe
- Arm for Quick Hitch / Quick Hitch piping
- Bolt-on Pad shoes (for steel shoes)
- Add-on counterweight (250 kg)
- Boom & arm holding valve
- Wide range of buckets
- Rear view mirror
- Rear under mirror
- 1.92 m long arm (+230 mm)

*Hand Control Proportional

