

KOBELCO

SK45SRX-6/SK55SRX-6

SK45SRX SK55SRX

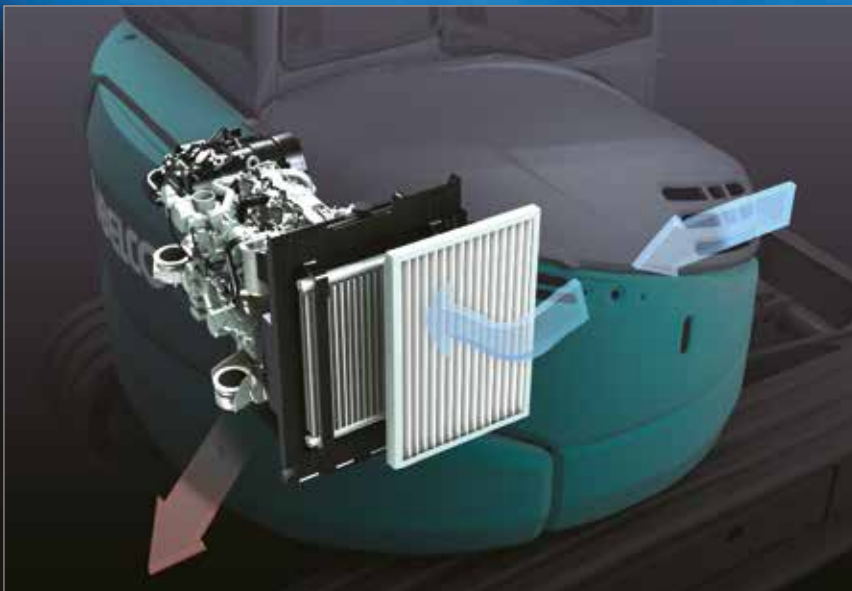
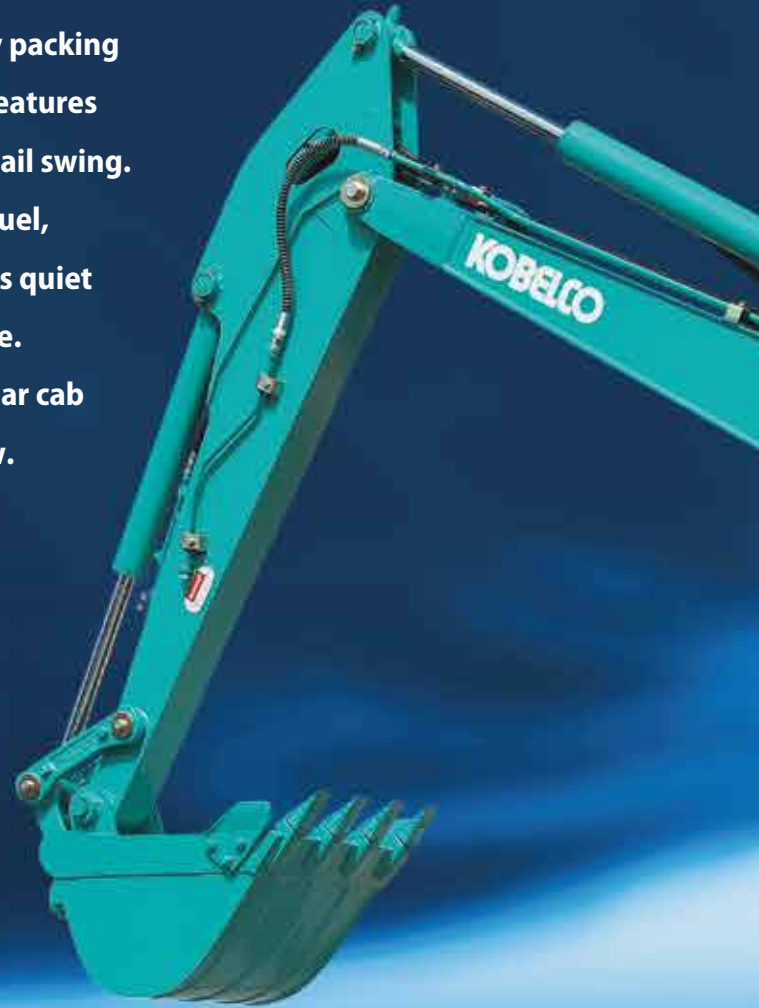


We Save You Fuel
Achieving a Low-Carbon Society

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 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.





iNDr Cooling System

The Revolutionary Integrated Noise and Dust Reduction Cooling System

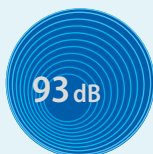


The highly airtight engine compartment and the offset duct contribute to noise reduction. The iNDr filter fitted in front of the cooling system ensures easy cleaning. The iNDr system on the SK45SRX/SK55SRX features air intake at the front of the machine and air exhaust underneath. It functions in the same way as the iNDr System on the SR series machines.

Ultimate Low Noise

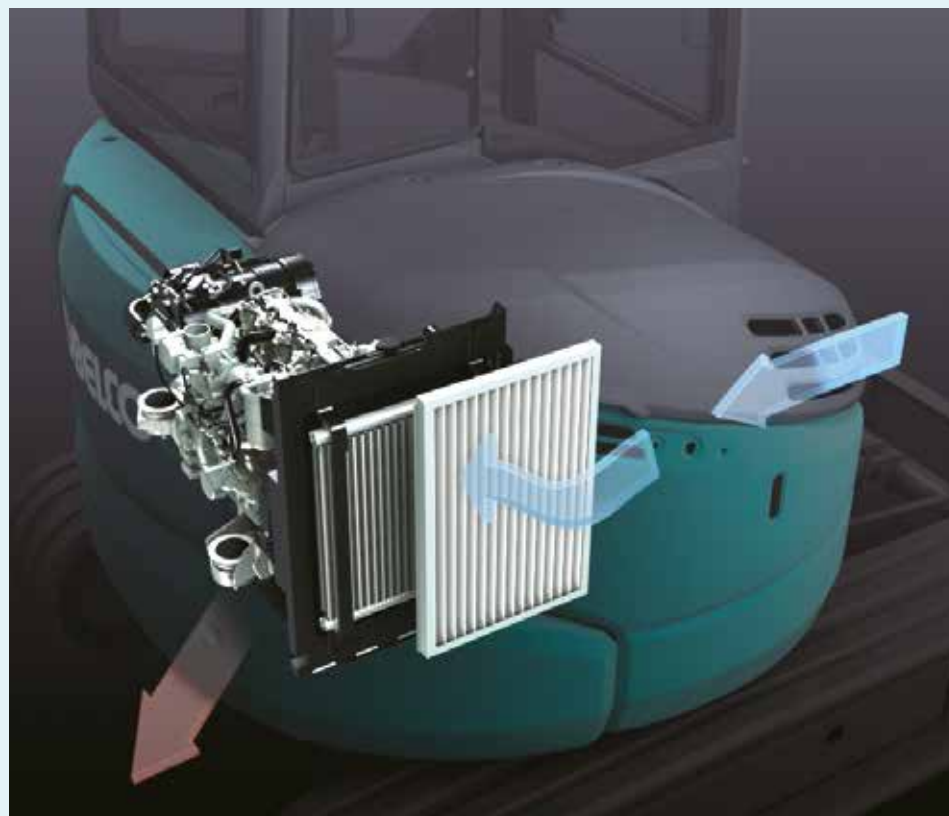
KOBELCO's exclusive iNDr Cooling System delivers amazingly quiet operation. In fact, the SK45SRX/SK55SRX is 9 dB quieter than the previous models.

Sound Power Level



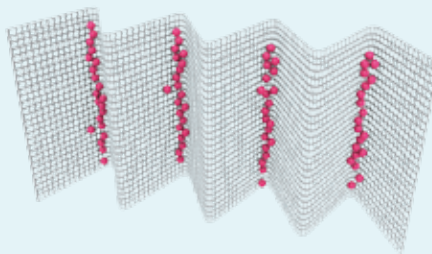
Visual Checking and Easy Cleaning

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.

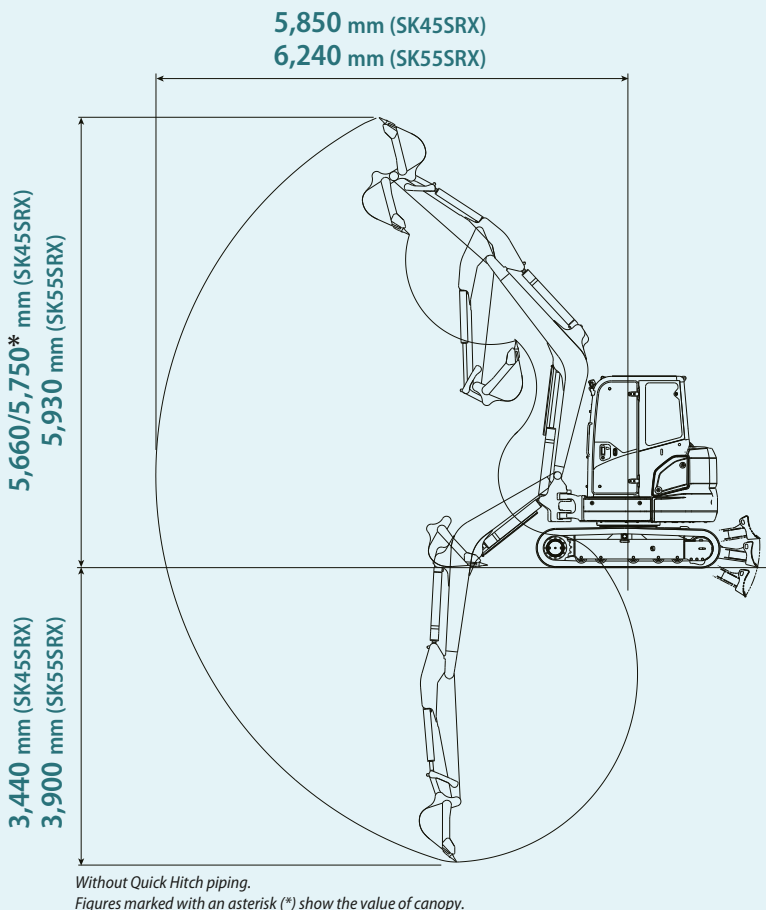


PERFORMANCE

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.



Figure in () shows the value of with add-on counterweight.

Energy Conservation Mode

The SK45SRX/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. The deceleration select switch is provided on the control panel.



Deceleration switch

Easy Transportability

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



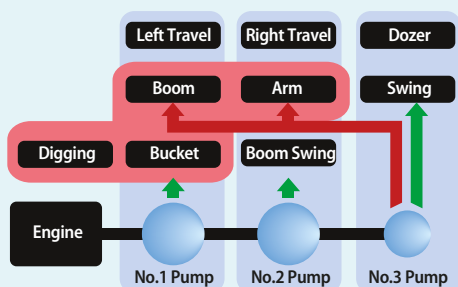
Fast, Full-Powered Digging and Leveling

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 (Option)



Piping for quick Hitch is useful for changing attachment.

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

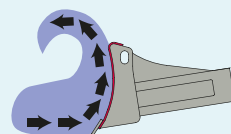
The travel lever is fitted with a button for easy shift up.



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.

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.



If the monitor warning goes off, the filter should be reactivated manually using a switch.



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



COMFORT

Comfortable Work Environment

**Switches on the right side lever are for European market.*



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



Proportional hand control lever for Rotation & N&B piping (option)

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



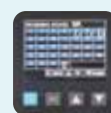
Color Multi Display (Option)



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 USB Port

Power for various purposes.



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 (FOPS Guard) for greater operator safety.



Rear Under Mirror



Rear View Mirror



Hammer for Emergency Exit



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.



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

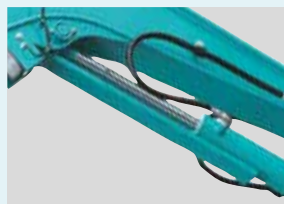
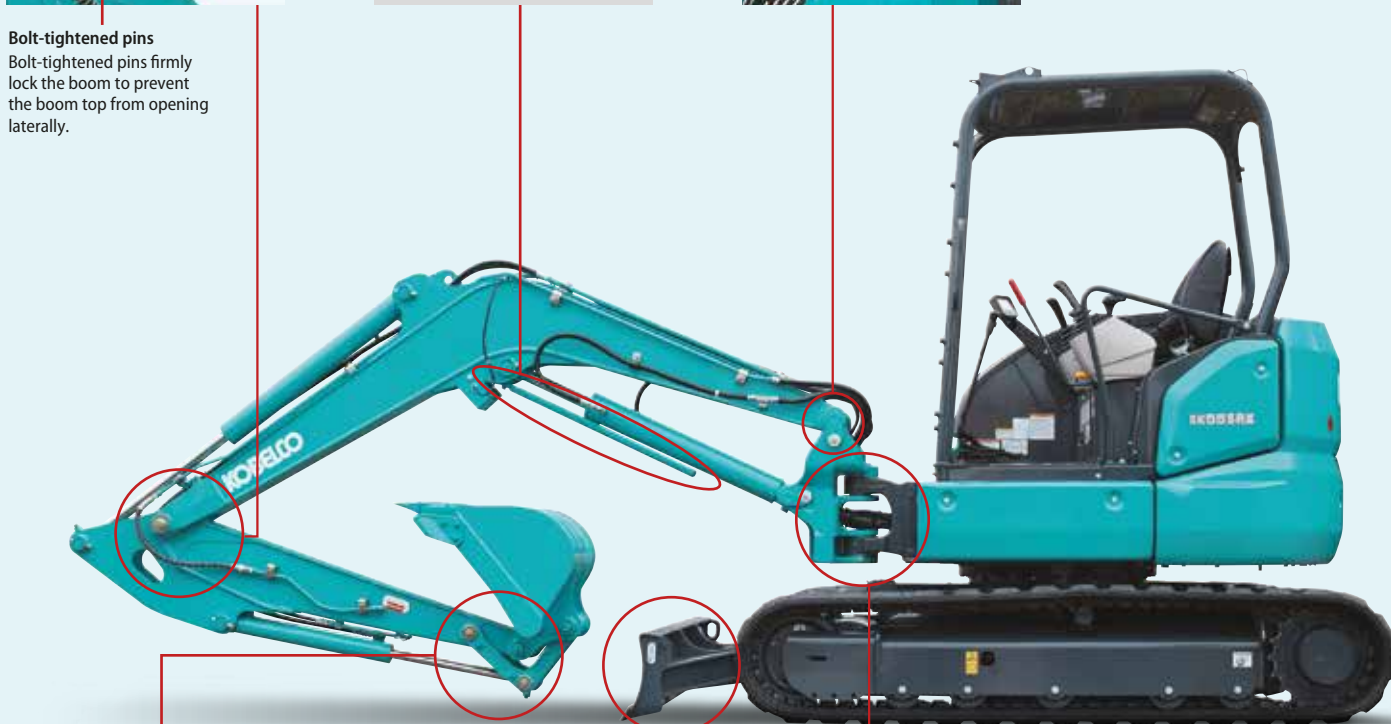


Plate type pin



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

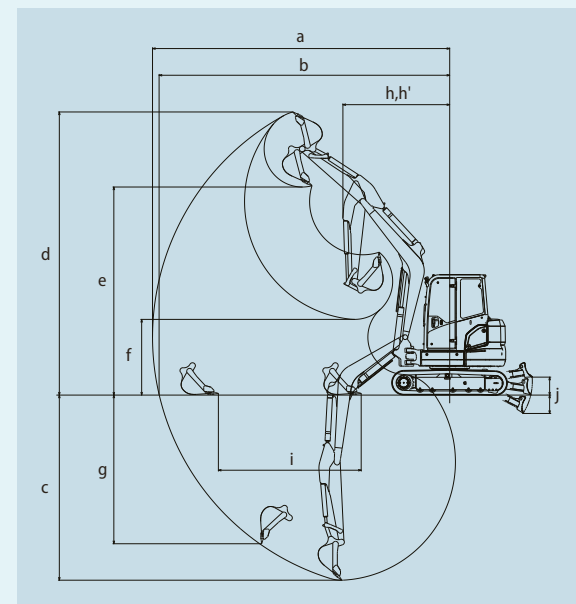
An installed accumulator allows the attachment to be safely lowered to the ground using in-cab controls in the event of an unexpected engine shut-down and class leading smooth operation.



SPECIFICATIONS

GENERAL						
MODEL			SK45SRX		SK55SRX	
Type			SK45SRX-6		SK55SRX-6	
Crawler Shoe			Rubber	Steel	Rubber	Steel
Machine Mass	Cab	kg	4,590	4,730	5,060	5,200
	Canopy	kg	4,470	4,610	4,960	5,080
Bucket Capacity		m³	0.14		0.16	
Bucket Width (with side cutter)		mm	600		650	
Bucket Digging Force		kN	35.2		35.2	
Arm Crowding Force		kN	20.9		24.6	
ENGINE						
Model			YANMAR 4TNV88C-PYBV			
Type			Water cooled, 4-cycle, 4-cylinder, direct injection, diesel engine			
Power Output	(ISO 9249)	kW/min ⁻¹	27.9/2,400			
	(ISO 14396)	kW/min ⁻¹	29.1/2,400			
Max. Torque	(ISO 9249)	N-m/min ⁻¹	131.8/1,560			
	(ISO 14396)	N-m/min ⁻¹	133.3/1,560			
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	4.0/2.2	3.7/2.1	4.0/2.2	3.7/2.1
Gradeability		% (degree)	58 (30)			
Drawbar Pulling Force		kN	55.2	59.4	54.9	59.1
CRAWLER						
Shoe Width			mm	400		
Ground Pressure	Cab	kPa	26.3	27.9	29.0	30.6
	Canopy	kPa	25.6	27.2	28.3	29.9
DOZER BLADE						
Width x Height			mm	1,960 x 345		
SWING SYSTEM						
Swing Motor			Axial piston motor			
Parking Brake			Oil disc brake, hydraulic operated automatically			
Swing Speed			min ⁻¹	8.5		

WORKING RANGES

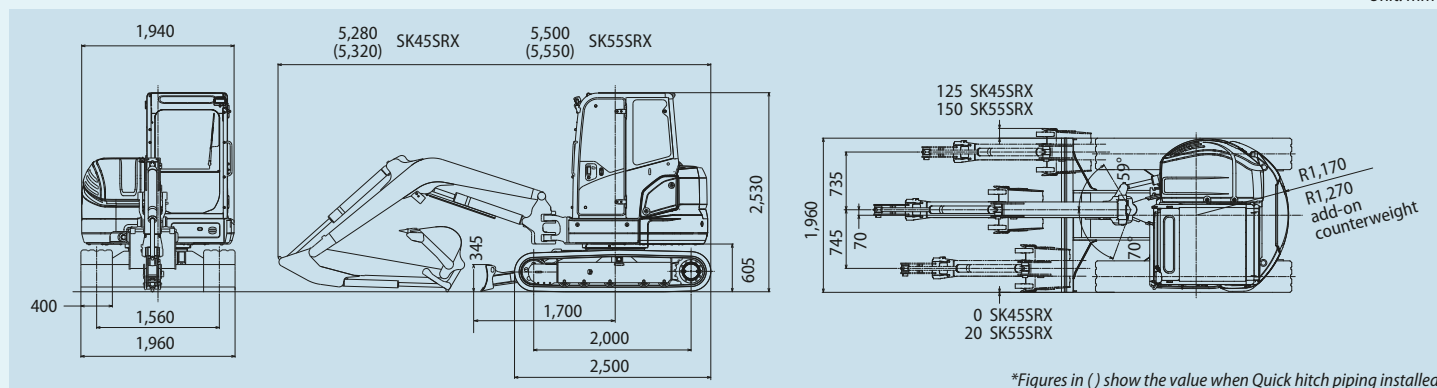


Standard Arm

MODEL	SK45SR		Unit: mm
	CAB	Canopy	SK55SRX CAB/Canopy
Arm length	1.55m		1.69m
a Max. digging reach	5,850 (5,900)		6,240 (6,270)
b Max. digging reach at ground level	5,700 (5,750)		6,100 (6,130)
c Max. digging depth	3,440 (3,440)		3,900 (3,900)
d Max. digging height	5,660 (5,790)	5,750 (5,860)	5,930 (6,010)
e Max. dumping clearance	4,080 (4,190)	4,160 (4,260)	4,350 (4,420)
f Min. dumping clearance	1,510 (1,550)	1,560 (1,610)	1,580 (1,590)
g Max. vertical digging depth	2,820 (3,000)		3,140 (3,240)
h Min. swing radius at boom straight	2,250 (2,410)	2,210 (2,360)	2,250 (2,310)
h' Min. swing radius at boom swing	1,850 (1,990)	1,810 (1,940)	1,850 (1,900)
i Horizontal Digging stroke at ground level	2,650 (2,550)		3,000 (2,950)
j Dozer blade (Up/Down)	465/335		

*Figures in () show the value when Quick hitch piping installed.

GENERAL DIMENSIONS

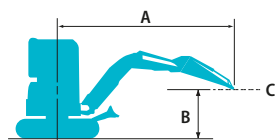


OPTIONAL EQUIPMENT

• Cab (ROPS/FOPS I) + air conditioner + Radio + work light	• Refueling pump	• Rear under mirror
• 400mm steel shoe	• Travel alarm	• Arm and bucket cylinder cover
• Bolt on rubber pad shoe	• Multi-color Display	• 0.086m ³ bucket (W 450mm)
• Quick hitch piping	• Net guard	• 0.12m ³ bucket (W 550mm)
• Rotation (PHC*) & N&B piping (foot control)	• Work light for canopy	• 0.16m ³ bucket (W 650mm)
• Additional counterweight (+250kg)	• Rear view mirror	• 0.21m ³ bucket (W 750mm)

*Proportional Hand Control

LIFT CAPACITIES



























Rating over front



























Rating over side or 360 degrees

A: Reach from swing centerline to arm top
B: Arm top height above/below ground
C: Lift point
Shoe: Rubber shoe Dozer blade: Up
Relief valve setting: 23.0 MPa

SK45SRX Cab		Standard Arm: 1.55 m Bucket: Without Rubber shoe: 400 mm												
B	A	1.0 m		2.0 m		3.0 m		4.0 m		5.0 m		At Max. Reach		Radius
														
4.0 m	kg											*860	840	3.96 m
3.0 m	kg					*1,170	*1,170	990	830			770	650	4.64 m
2.0 m	kg					1,520	1,240	960	800			680	570	4.97 m
1.0 m	kg					1,420	1,150	920	770	660	550	650	550	5.04 m
G. L.	kg			*1,390	*1,390	1,380	1,110	900	740			680	570	4.86 m
-1.0 m	kg	*2,010	*2,010	*2,700	2,170	1,380	1,110	890	740			780	650	4.40 m
-2.0 m	kg			2,970	2,230	1,410	1,140					1,110	920	3.50 m

SK55SRX Cab		Standard Arm: 1.69 m Bucket: Without Rubber shoe: 400 mm												
A \ B		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m		At Max. Reach		Radius
														
5.0 m	kg											*1,030	*1,030	3.38 m
4.0 m	kg							*930	*930			960	810	4.47 m
3.0 m	kg							*1,000	970	800	670	780	660	5.07 m
2.0 m	kg					*1,620	1,430	1,110	930	790	660	700	590	5.37 m
1.0 m	kg					1,640	1,320	1,060	880	770	640	680	570	5.43 m
G. L.	kg			*1,240	*1,240	1,590	1,280	1,030	850	750	630	700	580	5.27 m
-1.0 m	kg	*2,070	*2,070	*2,570	2,490	1,580	1,270	1,020	840			780	650	4.85 m
-2.0 m	kg	*3,200	*3,200	*3,370	2,540	1,610	1,290	1,040	860			1,010	840	4.09 m
-3.0 m	kg			*1,590	*1,590							*1,190	*1,190	2.52 m

SK55SRX Cab		Standard Arm: 1.69 m Bucket: Without Rubber shoe: 400 mm Add-on Counterweight (250 kg)												
A B		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m		At Max. Reach		Radius
														
5.0 m	kg											*1,030	*1,030	3.38 m
4.0 m	kg							*930	*930			*1,000	920	4.47 m
3.0 m	kg							*1,000	*1,000	910	770	890	750	5.07 m
2.0 m	kg					*1,620	1,610	*1,220	1,050	890	760	800	680	5.37 m
1.0 m	kg					1,850	1,510	1,210	1,010	870	740	770	650	5.43 m
G. L.	kg			*1,240	*1,240	1,800	1,460	1,180	980	860	720	800	670	5.27 m
-1.0 m	kg	*2,070	*2,070	*2,570	*2,570	1,800	1,450	1,170	970			890	750	4.85 m
-2.0 m	kg	*3,200	*3,200	*3,370	2,880	1,820	1,480	1,190	990			1,150	960	4.09 m
-3.0 m	kg			*1,590	*1,590							*1,190	*1,190	2.52 m

SK55SRX Canopy		Standard Arm: 1.69 m Bucket: Without Rubber shoe: 400 mm												
A B		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m		At Max. Reach		Radius
														
5.0 m	kg											*1,030	*1,030	3.38 m
4.0 m	kg							*930	*930			940	790	4.47 m
3.0 m	kg							*1,000	940	780	650	760	640	5.07 m
2.0 m	kg					*1,620	1,390	1,080	900	760	640	680	570	5.37 m
1.0 m	kg					1,590	1,280	1,030	860	740	620	660	550	5.43 m
G. L.	kg			*1,240	*1,240	1,540	1,240	1,000	830	730	610	680	570	5.27 m
-1.0 m	kg	*2,070	*2,070	*2,570	2,420	1,530	1,230	990	820			760	630	4.85 m
-2.0 m	kg	*3,200	*3,200	3,300	2,470	1,560	1,260	1,010	840			980	810	4.09 m
-3.0 m	kg			*1,590	*1,590							*1,190	*1,190	2.52 m

Notes:

- 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.
- Lift 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 pin is defined as lift point.
- The above lift capacities are in compliance with ISO 10567. They do not exceed 87% of hydraulic

lift capacity or 75% of tipping load. Lift 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.
- Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

Note: This catalogue 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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