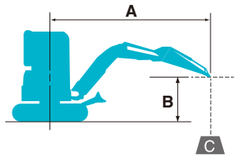
LIFTING CAPACITIES



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: Lifting capacities in kilograms
Shoe: Rubber shoe Dozer blade: Up
Relief valve setting: 23.0 MPa

SK55SRX		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		Max. Reach
5.0 m	kg											*1,040	*1,040	3.38 m
4.0 m	kg							*930	*930			970	820	4.47 m
3.0 m	kg							*1,000	970	800	680	780	660	5.07 m
2.0 m	kg					*1,620	1,430	1,110	930	790	660	710	590	5.37 m
1.0 m	kg					1,630	1,320	1,070	880	770	640	680	570	5.43 m
G. L.	kg			*1,250	*1,250	1,580	1,270	1,030	850	760	630	700	590	5.27 m
-1.0 m	kg	*2,080	*2,080	*2,580	2,480	1,580	1,270	1,020	840			790	650	4.85 m
-2.0 m	kg	*3,210	*3,210	*3,360	2,530	1,600	1,290	1,050	860			1,020	840	4.09 m
-3.0 m	kg			*1,590	*1,590							*1,190	*1,190	2.52 m

SK55SRX		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		Max. Reach
5.0 m	kg											*1,040	*1,040	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	1,600	*1,220	1,050	890	760	800	680	5.37 m
1.0 m	kg					1,840	1,500	1,200	1,000	870	740	770	650	5.43 m
G. L.	kg			*1,250	*1,250	1,790	1,450	1,170	970	860	720	800	670	5.27 m
-1.0 m	kg	*2,080	*2,080	*2,580	*2,580	1,790	1,450	1,160	970			890	750	4.85 m
-2.0 m	kg	*3,210	*3,210	*3,360	2,860	1,810	1,470	1,180	990			1,150	960	4.09 m
-3.0 m	kg			*1,590	*1,590							*1,190	*1,190	2.52 m

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. 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.
3. Arm top defined as lift point.
4. 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.
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.

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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Inquiries To:

SK55SRX-6-LAR-201-181000I

KOBELCO

SK55SRX-6

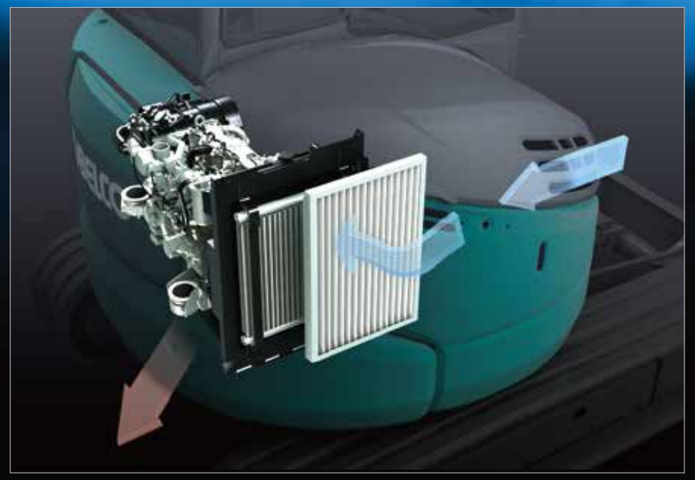
MINI EXCAVATOR SK55SRX

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 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.

iNDr Integrated Noise & Dust Reduction Cooling System



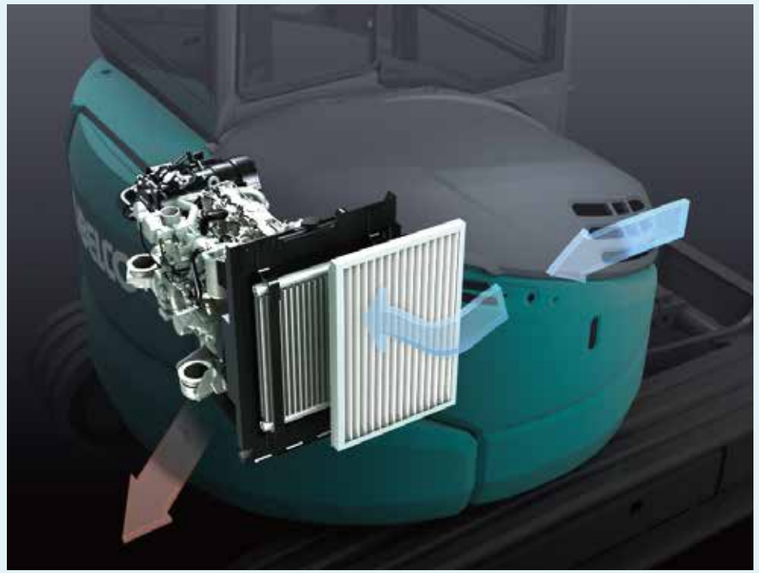
ENVIRONMENT

iNDr Cooling System

The Revolutionary Integrated Noise and Dust Reduction Cooling System

iNDr Integrated Noise & 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.

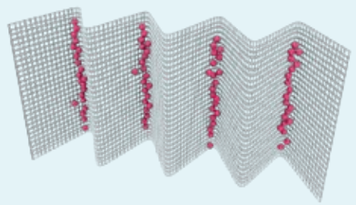


Visual Checking and Easy Cleaning

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.

75 dB

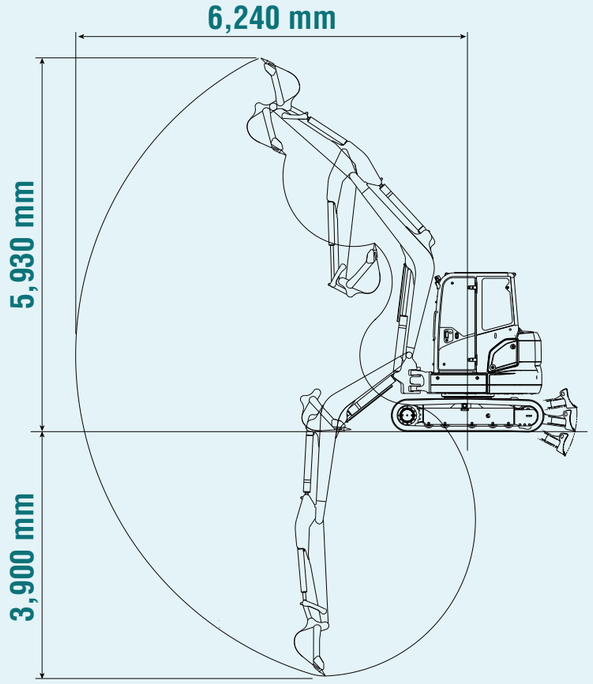
at 1 m backward from machine rear end and 1.5 m height from ground level.

PERFORMANCE

Compact, yet, Big Performance

Wide Working Range

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



Short Tail Swing

The compact tail swing improves operating efficiency in limited space.

**Figure shows the value of SK55SRX with add-on counterweight.*

Energy Conservation Mode

The SK55SRX adopts 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.

Easy Transportability

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

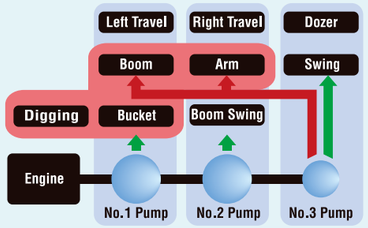
PERFORMANCE

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 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 switching to H-Mode travel.

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. (Patent pending)

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 Under the Seat

Two-piece floor mats for easy washing

Hour meter

Fuel tank

Easy Access to Cooling Unit

Easy Access to Engine Compartment

High-grade fuel filter

Pre fuel filter with built-in water separator

Air cleaner

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.

Suspension Seat NEW

The suspension seat offers a host of operator comforts and guarantees comfort whether on the job or at rest.

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.

Work Light

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

Skylight

Control Lever

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

Comfortable Operating Environment

Hammer for Emergency Exit

Climate Control

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

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

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

Operator Safety

Reliable Cab Structure

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

RELIABILITY

Reliable Construction

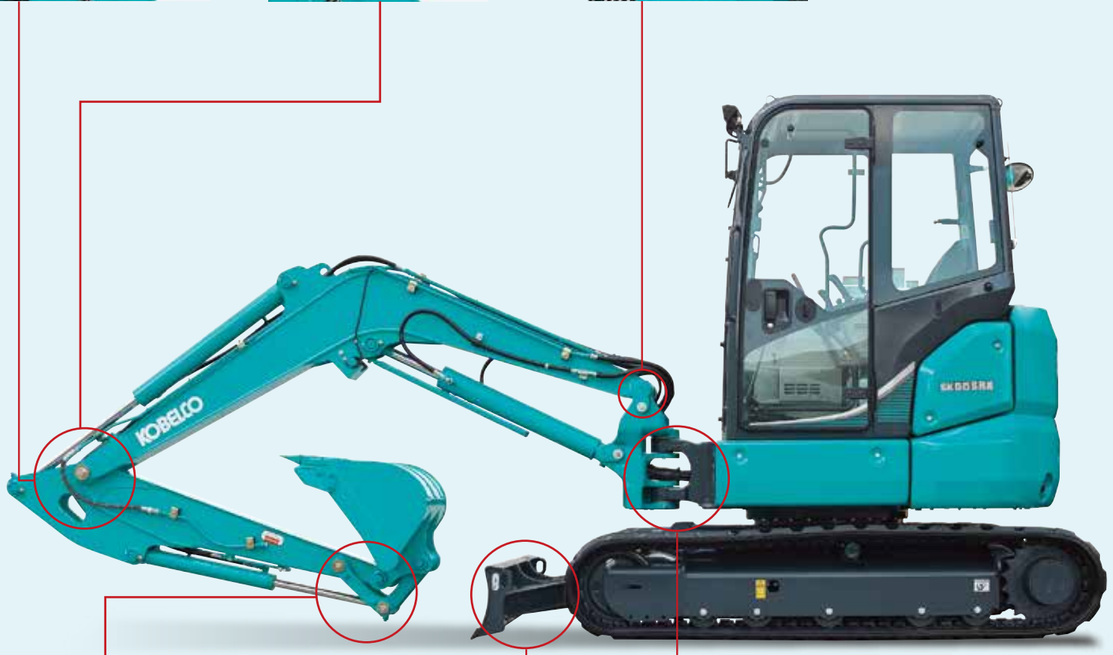
The boom, arm and swing bracket all have large cross-section segments for added attachment strength.

Strong boom and arm

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

Forged boom top

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.

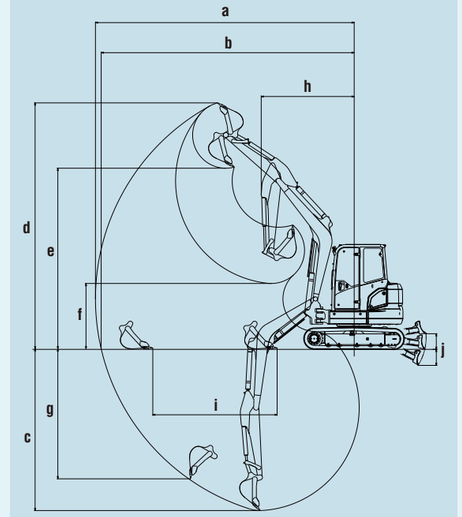
Hydraulic piping

The hydraulic piping is housed inside the swing bracket.

SPECIFICATIONS

GENERAL			
MODEL			**SK55SRX**
Type			**SK55SRX-6**
Machine Mass		kg	5,020
Bucket Capacity		m^3	0.16
Bucket Width (with side cutter)		mm	600
Arm Length		m	1.69
Bucket Digging Force		kN	35.2
Arm Digging 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)	$N{\cdot}m/min^{-1}$	131.1/1,400
	(ISO 14396)	$N{\cdot}m/min^{-1}$	132.9/1,400
Displacement		L	2.189
Fuel Tank		L	75
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
Parking Brake			Oil disc brake per motor
Travel Speed (high/low)		km/h	4.0/2.3
Gradeability		% (degree)	58 (30)
Drawbar Pulling Force		kN	54.9
CRAWLER			
Crawler Shoe			Rubber
Shoe Width		mm	400
Ground Pressure		kPa	28.7
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
Tail Swing Radius		mm	1,170
Min. Front Swing Radius	Over the front	mm	2,250
	At full boom swing	mm	1,900
SIDE DIGGING MECHANISM			
Type			Boom swing
Offset Angle	to the left	degree	70
	to the right	degree	59

WORKING RANGES



Unit: mm

Model	SK55SRX
Arm length	**1.69 m**
a- Max. digging reach	6,240
b- Max. digging reach at ground level	6,100
c- Max. digging depth	3,900
d- Max. digging height	5,930
e- Max. dumping clearance	4,350
f- Min. dumping clearance	1,580
g- Max. vertical wall digging depth	3,140
h- Min. swing radius	2,250
I- Horizontal digging stroke at ground level	2,950
j- Dozer blade (height/depth)	375/385

GENERAL DIMENSIONS

Unit: mm

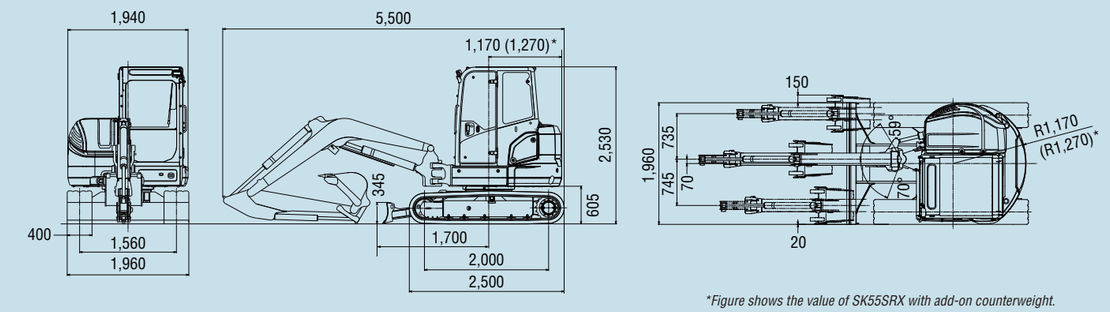


Figure shows the value of SK55SRX with add-on counterweight.