

KOBELCO

SK55SRX-6

SK55SRX

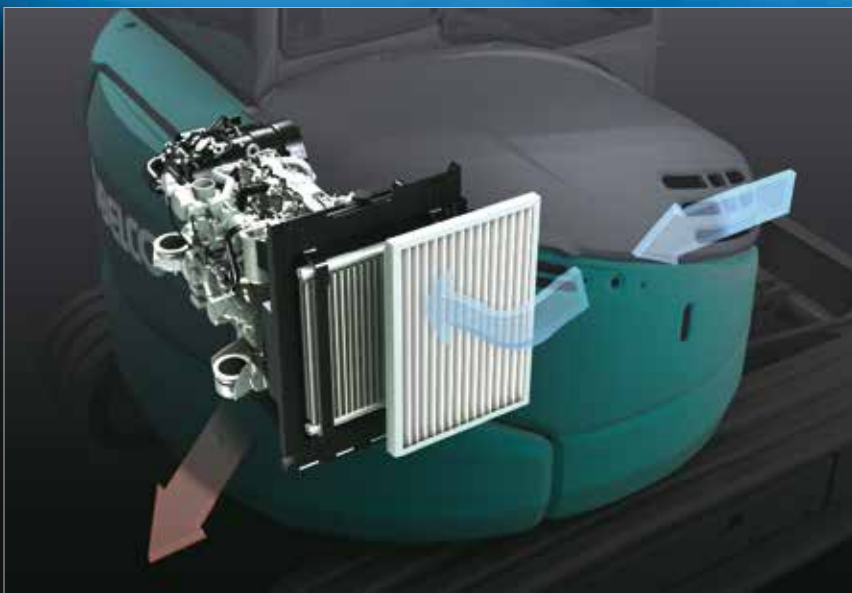


We Save You Fuel
Achieving a Low-Carbon Society

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.



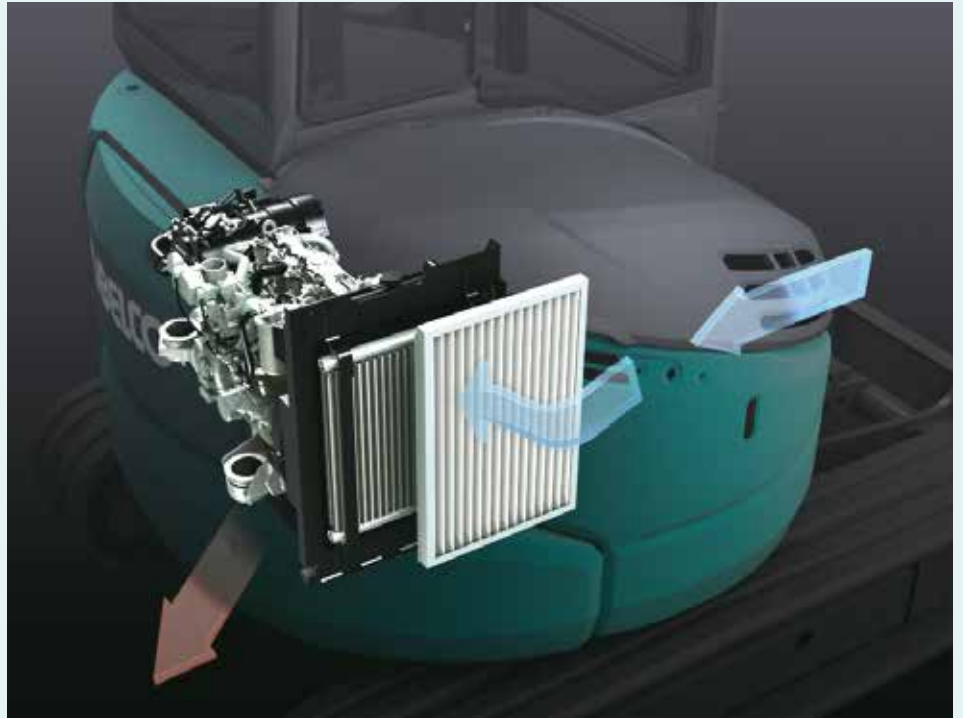


iNDr Cooling System

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.



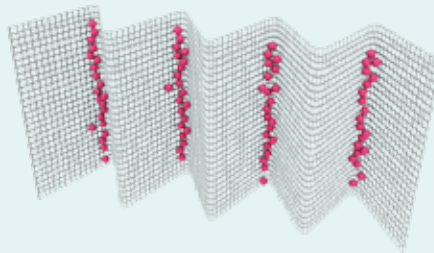
Visual Checking and Easy Cleaning

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

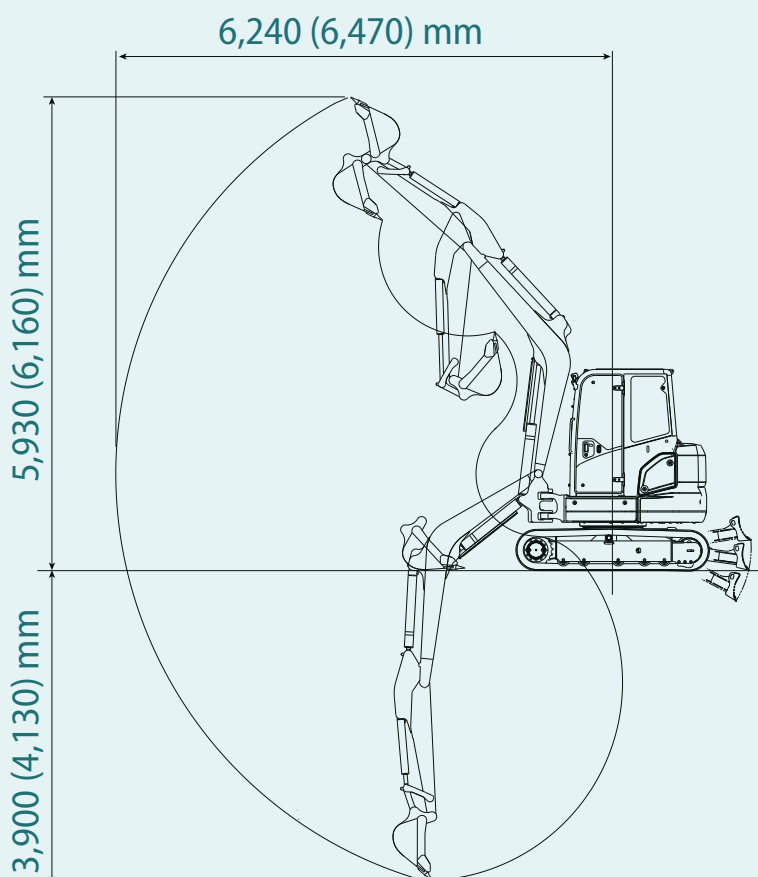
93 dB

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.



Tail overhang:
190 mm
(290 mm) *

*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.



PERFORMANCE

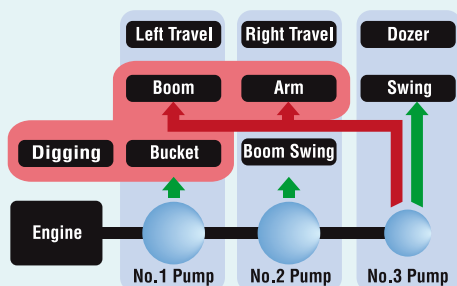
Fast, Full-Powered Digging and Leveling

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.



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

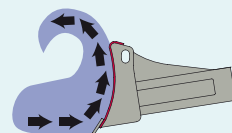
The travel lever is fitted with a button for easy shift up.



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.

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

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



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

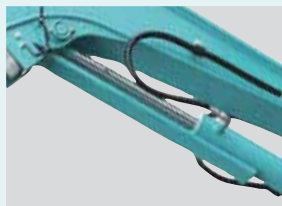
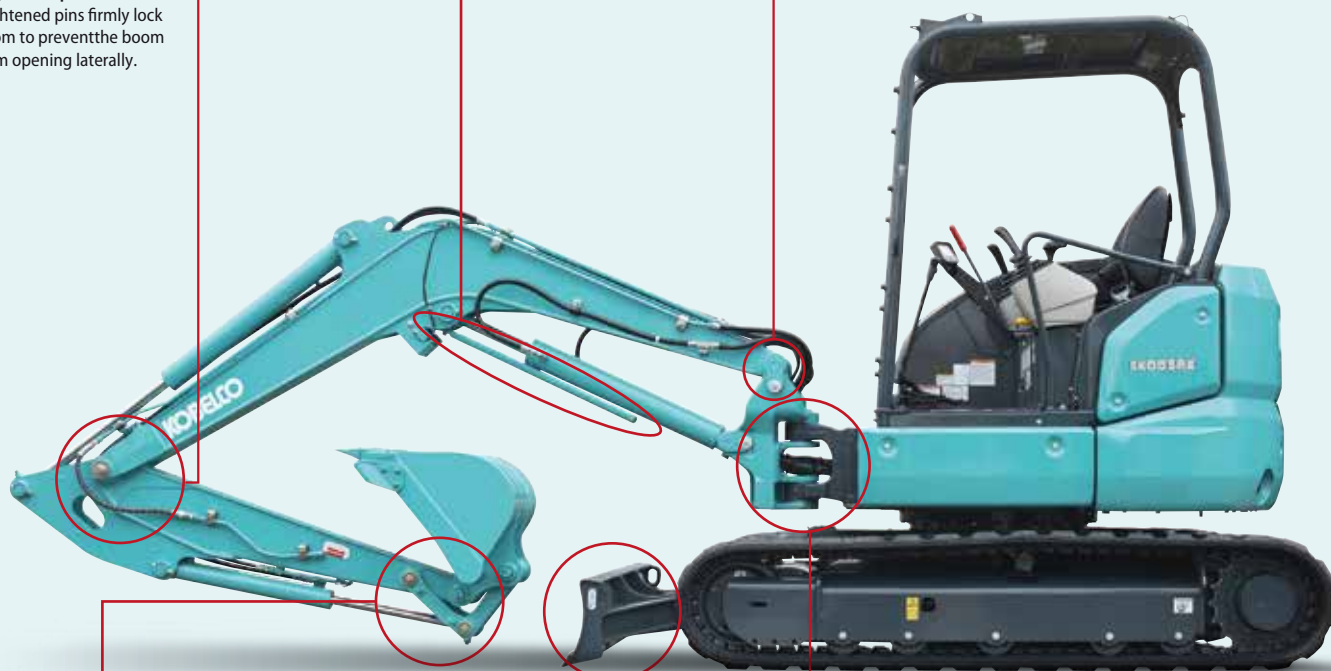


Plate type pin



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.

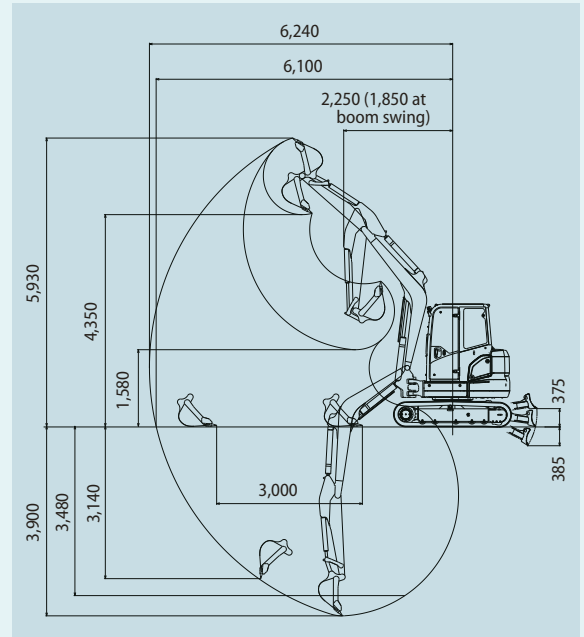


SPECIFICATIONS

GENERAL				
MODEL			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	

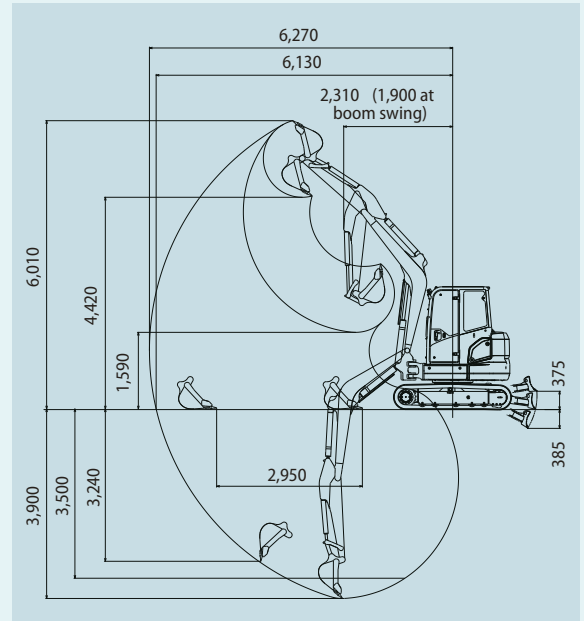
WORKING RANGES

Unit: mm



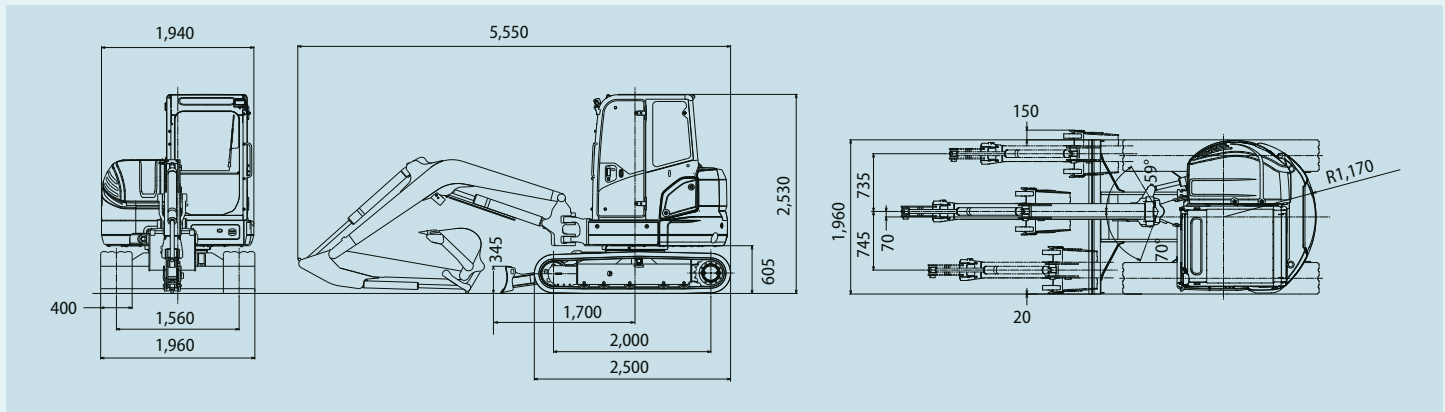
■ Arm for Quick Hitch

Unit: mm



GENERAL DIMENSIONS

Unit: mm

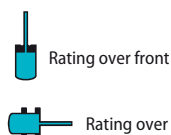
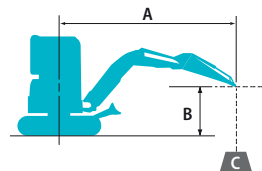


OPTIONAL EQUIPMENT











- 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













LIFTING CAPACITIES













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 Cab		Standard Arm: 1.69 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		
											
5.0 m	kg								*1,030	*1,030	3.38 m
4.0 m	kg								960	810	4.47 m
3.0 m	kg								780	660	5.07 m
2.0 m	kg								700	590	5.37 m
1.0 m	kg								680	570	5.43 m
G. L.	kg								700	580	5.27 m
-1.0 m	kg	*2,070	*2,070	*2,570	2,490	1,580	1,270	1,020	840		
-2.0 m	kg	*3,200	*3,200	*3,370	2,540	1,610	1,290	1,040	860		
-3.0 m	kg										
									</		













SK55SRX Canopy		Standard Arm: 1.69 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		
											
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	570	5.37 m
1.0 m	kg			1,590	1,280	1,030	860	740	620	550	5.43 m
G. L.	kg		*1,240	*1,240	1,540	1,240	1,000	830	730	610	5.27 m
-1.0 m	kg	*2,070	*2,070	*2,570	2,420	1,530	1,230	990	820		
-2.0 m	kg	*3,200	*3,200	3,300	2,470	1,560	1,260	1,010	840		
-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)						
B	A	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		Add-on Counterweight (250 kg)			
B A		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							*1,000	900	4.47 m	
3.0 m	kg							880	750	5.07 m	
2.0 m	kg							870	740	5.37 m	
1.0 m	kg							850	720	5.43 m	
G. L.	kg							840	700	5.27 m	
-1.0 m	kg	*2,070	*2,070	*2,570	2,570	1,750	1,420	1,140	940		
-2.0 m	kg	*3,200	*3,200	*3,370	2,810	1,770	1,440	1,160	960		
-3.0 m	kg			*1,590	*1,590						

SK55SRX Cab		Long Arm: 1.92 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	
															
5.0 m	kg											*930	*930	3.76 m	
4.0 m	kg							*810	*810			870	730	4.75 m	
3.0 m	kg							*900	*900	800	670	720	600	5.31 m	
2.0 m	kg					*1,420	*1,420	1,110	920	780	650	650	540	5.59 m	
1.0 m	kg					1,630	1,310	1,060	870	760	630	630	520	5.65 m	
G. L.	kg			*1,300	*1,300	1,560	1,250	1,010	830	740	610	640	530	5.50 m	
-1.0 m	kg	*1,810	*1,810	*2,360	*2,360	1,540	1,230	1,000	820	730	610	710	590	5.10 m	
-2.0 m	kg	*2,780	*2,780	3,310	2,460	1,560	1,250	1,010	830			890	730	4.39 m	
-3.0 m	kg			*2,160	*2,160	*1,270	*1,270					*1,210	*1,210	3.07 m	

SK55SRX Canopy		Long Arm: 1.92 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					
5.0 m	kg							*930	*930	3.76 m				
4.0 m	kg				*810	*810		850	710	4.75 m				
3.0 m	kg				*900	*900	780	650	700	590	5.31 m			
2.0 m	kg				*1,420	1,400	1,080	900	760	630	530	5.59 m		
1.0 m	kg				1,580	1,280	1,020	850	730	610	510	5.65 m		
G. L.	kg			*1,300	*1,300	1,510	1,210	980	810	710	590	620	520	5.50 m
-1.0 m	kg	*1,810	*1,810	*2,360	2,340	1,490	1,200	970	790	710	590	690	570	5.10 m
-2.0 m	kg	*2,780	*2,780	3,210	2,390	1,520	1,210	980	810			860	710	4.39 m
-3.0 m	kg			*2,160	*2,160	*1,270	*1,270					*1,210	*1,210	3.07 m

SK55SRX Cab		Long Arm: 1.92 m		Bucket: Without		Rubber shoe: 400 mm		Add-on counterweight (250 kg)							
B	A	1.0 m		2.0 m		3.0 m		4.0 m		5.0 m		At Max. Reach		Radius	
															
5.0 m	kg											*930	*930	3.76 m	
4.0 m	kg							*810	*810			*920	830	4.75 m	
3.0 m	kg							*900	*900	910	770	820	690	5.31 m	
2.0 m	kg					*1,420	*1,420	*1,120	1,050	890	750	740	620	5.59 m	
1.0 m	kg							1,840	1,490	1,200	990	860	720	600	5.65 m
G. L.	kg			*1,300	*1,300	1,770	1,430	1,160	960	840	700	740	620	5.50 m	
-1.0 m	kg	*1,810	*1,810	*2,360	*2,360	1,750	1,410	1,140	940	840	700	810	680	5.10 m	
-2.0 m	kg	*2,780	*2,780	*3,630	2,800	1,780	1,430	1,150	950			1,010	840	4.39 m	
-3.0 m	kg			*2,160	*2,160	*1,270	*1,270					*1,210	*1,210	3.07 m	

SK55SRX Canopy		Long Arm: 1.92 m		Bucket: Without		Rubber shoe: 400 mm		Add-on counterweight (250 kg)						
B	A	1.0 m		2.0 m		3.0 m		4.0 m		5.0 m		At Max. Reach		Radius
5.0 m	kg											*930	*930	3.76 m
4.0 m	kg							*810	*810			*920	810	4.75 m
3.0 m	kg							*900	*900	880	750	800	670	5.31 m
2.0 m	kg					*1,420	*1,420	*1,120	1,020	860	730	720	610	5.59 m
1.0 m	kg							1,790	1,460	1,160	970	840	700	5.65 m
G. L.	kg			*1,300	*1,300	1,720	1,390	1,120	930	820	680	720	600	5.50 m
-1.0 m	kg	*1,810	*1,810	*2,360	*2,360	1,710	1,380	1,110	910	810	680	790	660	5.10 m
-2.0 m	kg	*2,780	*2,780	*3,630	2,730	1,730	1,390	1,120	930			990	820	4.39 m
-3.0 m	kg			*2,160	*2,160	*1,270	*1,270					*1,210	*1,210	3.07 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 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.
- 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 area. Please consult your nearest KOBELCO distributor for those items you require.

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