

KOBELCO

SK45SRX-6E/SK55SRX-6E

SK45SRX SK55SRX



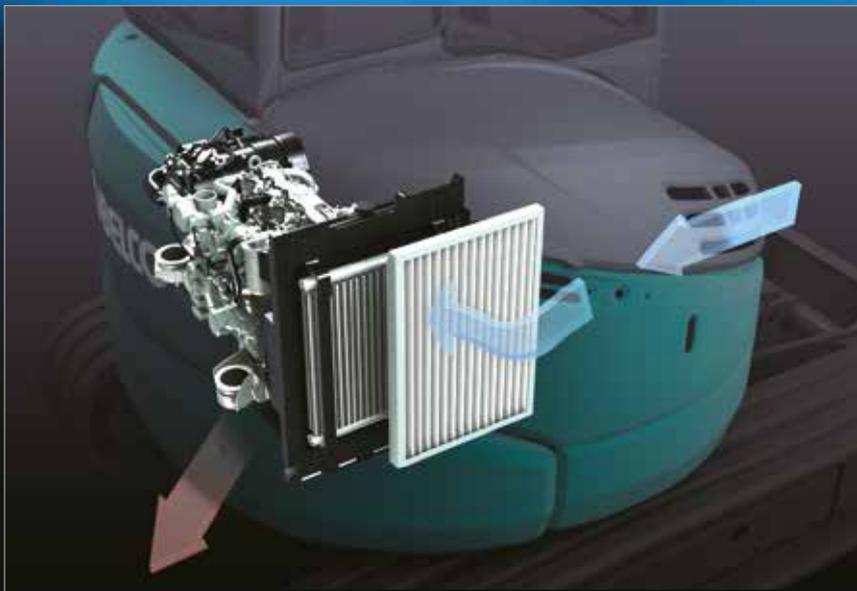
Complies with the EU Stage V
exhaust emission regulation

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.

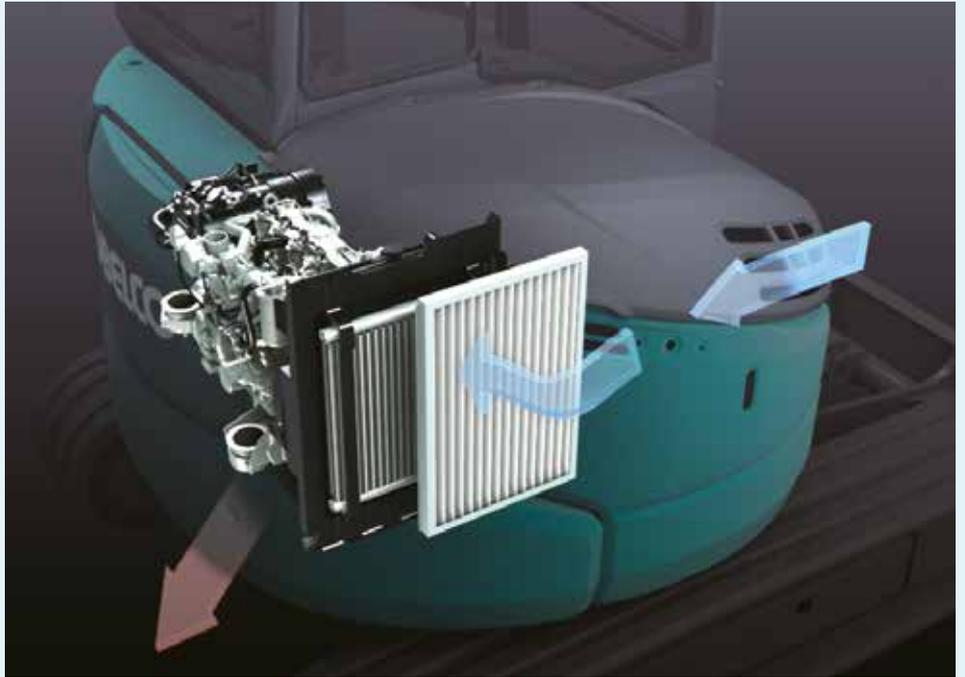




iNDr Cooling System



The 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, but also directs the muffler exhaust underneath. Small holes on the muffler disperse and slow down the exhaust. The exhaust is further slowed down and cooled through the offset duct and then discharged into the atmosphere.



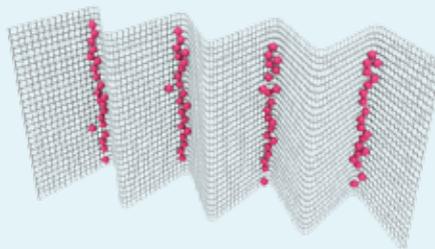
Visual Checking and Easy Cleaning

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 SK45SRX/SK55SRX is 9 dB quieter than the previous models.



Offset duct slow down exhaust



Exhaust from the muffler and engine cooling fan.



Holes on the muffler disperse exhaust

Sound Power Level

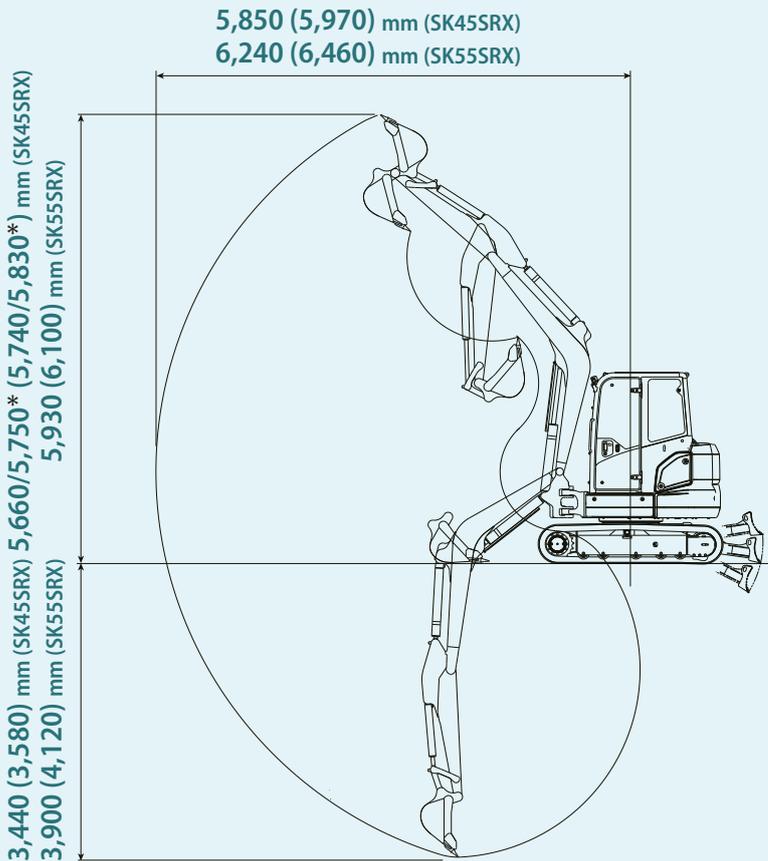


PERFORMANCE

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 long arm spec.
Figures marked with an asterisk (*) show the value of canopy.

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. 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



Easy Hydraulic Piping for Quick Hitch (Option)

Piping for quick Hitch is useful for changing attachment.



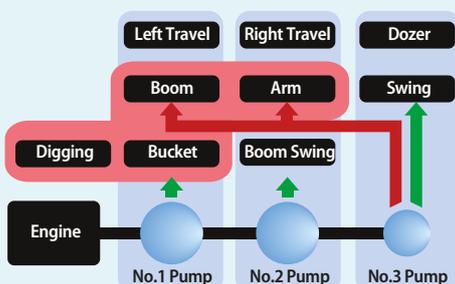
Large Capacity Engine

The large-capacity engine packs plenty of power for outstanding hydraulic 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.



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

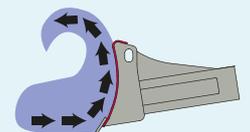
The travel lever is fitted with a button for easy shift up.



Powerful and Efficient Dozer Performance

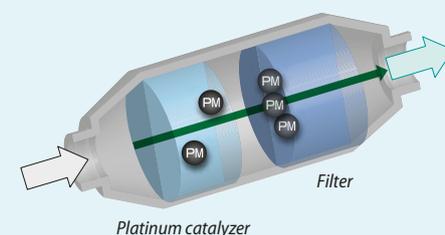
Dozer-Blade Shape

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.



Diesel Particular Filter (DPF)

DP filter greatly reduce PM emission. Carbon builds up as soot on the diesel particulate filter and is burned off at high temperature.



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



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.



DPF manual regeneration switch



Easy Access to Cooling Unit
iNDR filter



Fuel tank



Easy Access to Engine Compartment



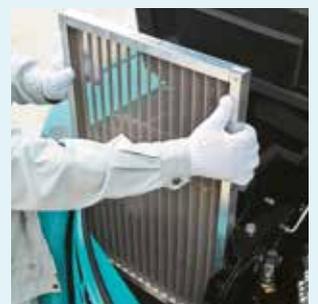
High-grade fuel filter



Pre fuel filter with built-in water separator



Air cleaner



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



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

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 (FOPS Guard) 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

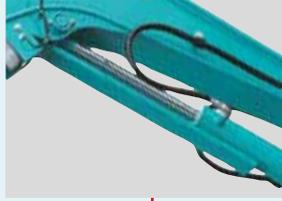
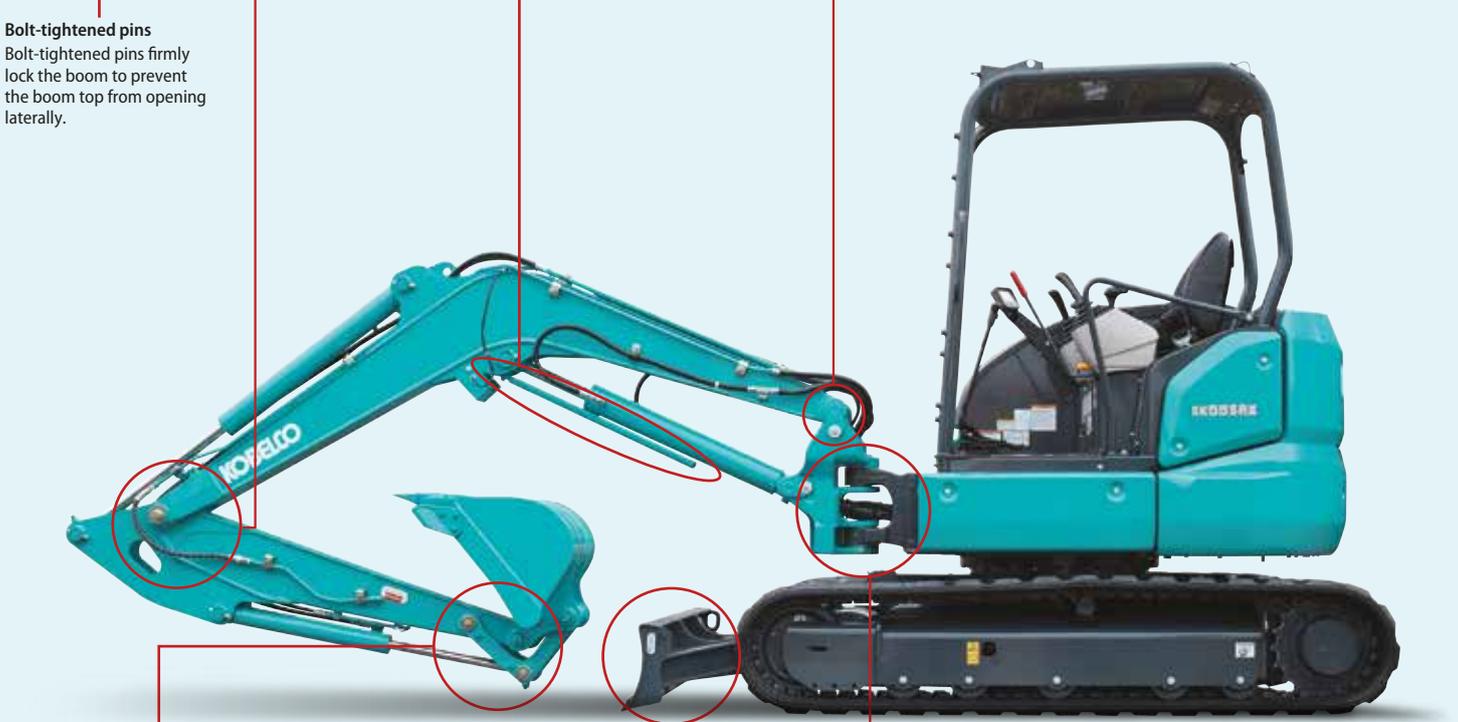


Plate type pin



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.

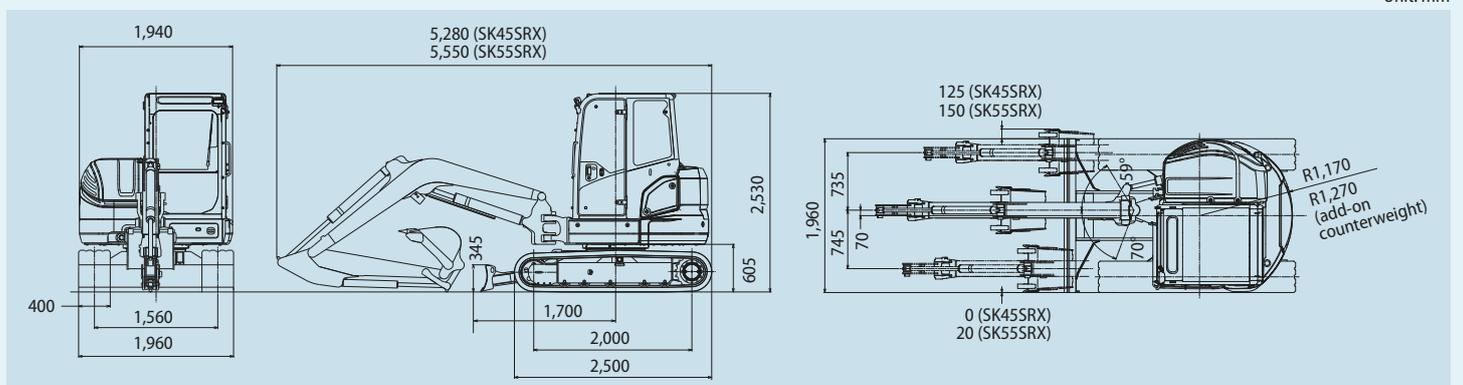


SPECIFICATIONS

GENERAL					
MODEL		SK45SRX		SK55SRX	
Type		SK45SRX-6E		SK55SRX-6E	
Crawler Shoe		Rubber	Steel	Rubber	Steel
Machine Mass	Cab	kg	4,590	4,730	5,060
	Canopy	kg	4,470	4,610	4,960
Bucket Capacity		0.14		0.16	
Bucket Width (with side cutter)		600		650	
Bucket Digging Force		35.2		35.2	
Arm Crowding Force		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
Gradeability		% (degree)	58 (30)		
Drawbar Pulling Force		kN	55.2	59.4	59.1
CRAWLER					
Shoe Width		mm	400		
Ground Pressure	Cab	kPa	26.3	27.9	29.0
	Canopy	kPa	25.6	27.2	28.3
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		

* Figures in above table show the value with Standard Arm (SK45SRX:1.55 m, SK55SRX:1.69 m) specs.
The air conditioning system on this machine contains fluorinated greenhouse gas HFC-134a (GWP 1430).
Quantity of gas 0.6kg (CO2 equivalent 0.8t)

GENERAL DIMENSIONS

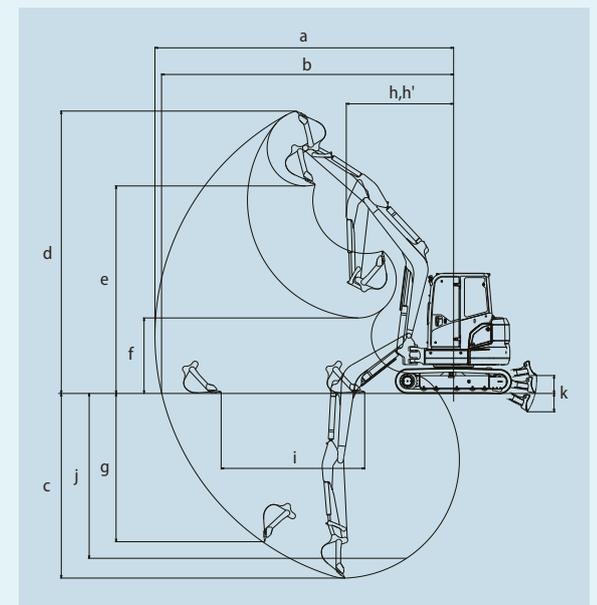


OPTIONAL EQUIPMENT

• N&B (PHC*) piping	• Steel shoe	• Front guard	• Color Multi Display
• Rotation (PHC*) + N&B (foot) piping	• Bolt-on rubber pad shoes (for steel shoe)	• Top guard for Cab	• Refueling pump
• Rotation (PHC*) + N&B (PHC*) piping	• 1.69m long arm for SK45SRX (+140mm)	• Work light for canopy	• Travel alarm
• Quick Hitch piping	• 1.92m long arm for SK55SRX (+230mm)	• Rear view mirror	• Arm & Bucket cylinder guard
• Boom and arm safety valve + overload alarm	• Lifting Hook for object handling	• Rear under mirror	• Additional counterweight (+250kg)

*Proportional Hand Control

WORKING RANGES



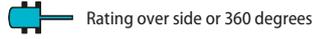
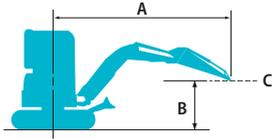
Standard Arm

MODEL	SK45SRX		SK55SRX
	Cab	Canopy	
Arm length	1.55 m		1.69 m
a- Max. digging reach	5,850		6,240
b- Max. digging reach at ground level	5,700		6,100
c- Max. digging depth	3,440		3,900
d- Max. digging height	5,660	5,750	5,930
e- Max. dumping clearance	4,080	4,160	4,350
f- Min. dumping clearance	1,510	1,560	1,580
g- Max. vertical wall digging depth	2,820		3,140
h- Min. swing radius at boom straight	2,250	2,210	2,250
h'- Min. swing radius at boom swing	1,850	1,790	1,850
i- Horizontal digging stroke at ground level	2,650		3,000
j- Digging depth for 2.4 m (8') flat bottom	3,020		3,480
k- Dozer blade (height/depth)	465/335		465/335

Long Arm

MODEL	SK45SRX		SK55SRX
	Cab	Canopy	
Arm length	1.69 m		1.92 m
a- Max. digging reach	5,970		6,460
b- Max. digging reach at ground level	5,820		6,330
c- Max. digging depth	3,580		4,120
d- Max. digging height	5,740	5,830	6,100
e- Max. dumping clearance	4,160	4,240	4,520
f- Min. dumping clearance	1,370	1,420	1,360
g- Max. vertical wall digging depth	2,930		3,350
h- Min. swing radius at boom straight	2,260	2,220	2,270
h'- Min. swing radius at boom swing	1,860	1,800	1,870
i- Horizontal digging stroke at ground level	2,470	2,870	2,270
j- Digging depth for 2.4 m (8') flat bottom	3,170		3,730
k- Dozer blade (height/depth)	465/335		465/335

LIFT CAPACITIES



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
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees		
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

SK45SRX Cab		Long 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	
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees			
4.0 m	kg											*990 830	4.12 m	
3.0 m	kg											990 830	*710 620	4.77 m
2.0 m	kg							1,530	1,250	960	800	670 560	650 550	5.09 m
1.0 m	kg							1,420	1,150	920	760	660 550	630 520	5.16 m
G. L.	kg					*1,420	*1,420	1,370	1,100	890	740		650 540	4.99 m
-1.0 m	kg	*1,870	*1,870	*2,550	2,140	1,360	1,100	880	730				740 620	4.54 m
-2.0 m	kg			*2,900	*2,900	2,930	2,200	1,390	1,120				1,020 840	3.69 m

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	
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees			
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		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	
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees			
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	5.59 m
1.0 m	kg									1,630	1,310	1,060 870	760 630	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	*3,630	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 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	
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees			
5.0 m	kg											*1,030 *1,030	3.38 m	
4.0 m	kg											*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 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	
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees			
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	5.59 m
1.0 m	kg									1,840	1,490	1,200 990	860 720	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		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	
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees			
5.0 m	kg											*1,030 *1,030	3.38 m	
4.0 m	kg											940 790	4.47 m	
3.0 m	kg							*930	*930				940 790	4.47 m
2.0 m	kg							*1,000	940	780	650	760 640	5.07 m	
1.0 m	kg							*1,620	1,390	1,080	900	760 640	680 570	5.37 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

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	
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees			
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	5.59 m
1.0 m	kg									1,580	1,280	1,020 850	730 610	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

- 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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KOBELCO CONSTRUCTION MACHINERY EUROPE B.V.

Veluwezoom 15
 1327 AE Almere
 The Netherlands
<https://www.kobelcocm-global.com/>

Enquiries To: