

577

sk45SRX sk55SRX



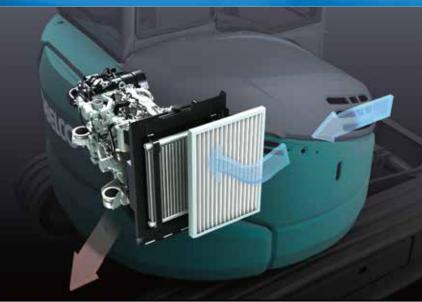
# Full-Size Performance, Short-Radius Agility and Quiet Operation COMPACT YET TOUGH MINI

OBELCO

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.



Integrated Noise & Dust Reduction Cooling System



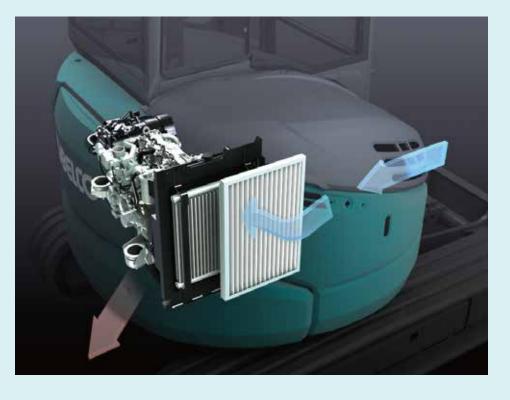


# iNDr Cooling System

# 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.



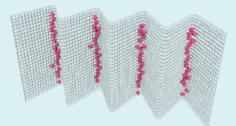
#### Visual Checking and Easy Cleaning

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.

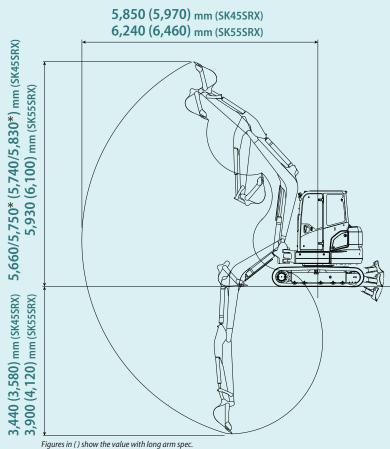


PERFORMANCE

# Compact, yet, Big Performance

#### Wide Working Range

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



Figures marked with an asterisk (\*) show the value of canopy.

#### **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





#### **Short Tail Swing**

The compact tail swing improves operating efficiency in limited space.



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

#### **Easy Transportability**

NOBBIO

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

Overall height: 2,530 mm

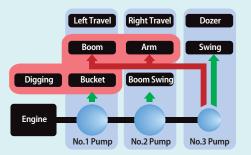
# Fast, Full-Powered Digging and Leveling

### **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

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





High-grade fuel filter



Pre fuel filter with built-in water separator





Fuel tank

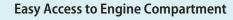
Air cleaner

iNDr filter

Easy Access to **Cooling Unit** 









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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.

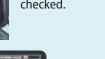


#### **Color Multi Display (Option)**



Operation data as well as the full range of machinestatus data can readily be checked.







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



Two-Speaker FM/AM Radio with Station Select Bluetooth Installed Radio

al iP vi

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 1standards (FOPS Guard) for greater operator safety.





**Rear View Mirrors** 





Hammer for Emergency Exit



#### Bracket for Yellow Rotating Light Bracket provided at cab rear

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

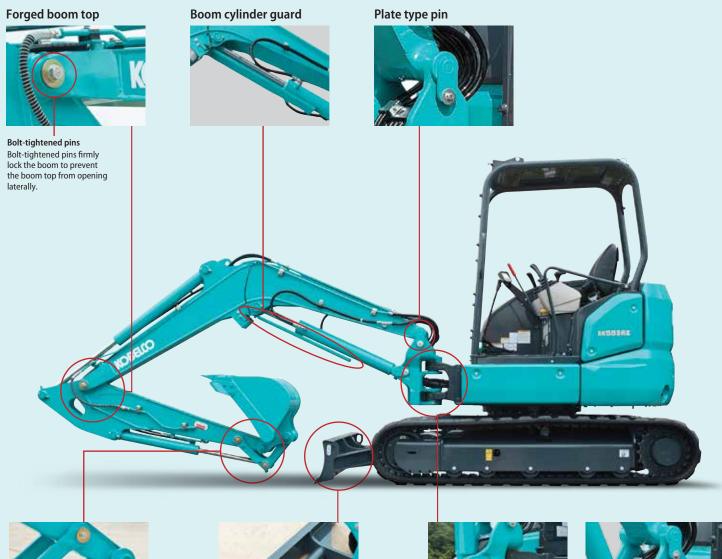


Work Light Work light is mounted under the boom to protect from damage.



# **Reliable Construction**

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



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

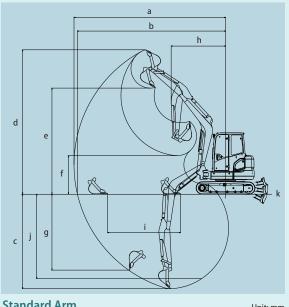
An installed accumulator allows the attachment to be safety lowered to the ground using in-cab controls in the event of an unexpected engine shut-down and class leading smooth operation.



### **SPECIFICATIONS**

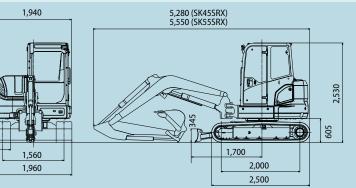
GENERAL										
MODEL			SKA	5SRX	SK55	SRX				
Туре			SK45		SK55					
Crawler Shoe			Rubber	Steel	Rubber	Steel				
Crawler Shoe	Cab	ka	4,540	4.680	5.020	5,160				
Machine Mass		kg	4,340	4,680	4,900	5,040				
Bucket Capacity	Canopy	kg m <sup>3</sup>	4,450		4,900					
Bucket Width (with side	cutter)	mm	60		60					
Arm Length		m	1.		1.0					
Bucket Digging Force		kN	35		35					
Arm Crowding Force		kN	20	).9	24	.0				
ENGINE					(T) 1/00 D					
Model				YANMAR						
Туре			Water cooled,	4-cycle, 4-cylinde	· · ·	, diesel engine				
Power Output	(ISO 9249)	kW/min <sup>-1</sup>		28.3/2	·					
	(ISO 14396)	kW/min <sup>-1</sup>		29.5/2	· · · · · · · · · · · · · · · · · · ·					
Max. Torque	(ISO 9249)	N⋅m/min <sup>-1</sup>		131.1/						
· · · · · · · · · · · · · · · · · · ·	(ISO 14396)	N·m/min-¹		132.9/						
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 (syste	em)	L	27.9 (57.7)							
TRAVEL SYSTEM										
Travel Motors				2 x axial-piston	, two-step moto	ors				
Parking Brake				Oil disc brak	e per motor					
Travel Speed (high/low)		km/h	4.0/2.3	3.7/2.1	4.0/2.3	3.7/2.1				
Gradeability		% (degree)		58 (	(30)					
Drawbar Pulling Force		kN	55.2	59.4	54.9	59.1				
CRAWLER					I					
Shoe Width		mm		40	00					
C 10	Cab	kPa	26.1	27.7	28.7	30.4				
Ground Pressure	Canopy	kPa	25.4	27.0	28.0	29.7				
DOZER BLADE										
Width x Height		mm	m 1,960 x 345							
Working Ranges (height	/depth)	mm								
SWING SYSTEM										
Swing Motor			Axial piston motor							
Parking Brake			Oil disc brake, hydraulic operated automatically							
Swing Speed		min-1								
			8.8							

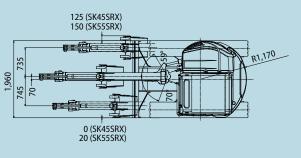
### **WORKING RANGES**



Standard Arm			Unit: mm
MODEL	SK45	SRX	SK55SRX
	Cab	Canopy	
Arm length	1.5	5 m	1.69 m
a-Max. digging reach	5,8	350	6,240
b-Max. digging reach at ground level		'00	6,100
c-Max. digging depth	3,4	40	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	2,8	320	3,140
h-Min. swing radius	2,250	2,210	2,250
at boom swing	1,850	1,790	1,850
i- Horizontal digging stroke at ground level		50	3,000
j- Digging depth for 2.4 m (8') flat bottom	3,0	)20	3,480
k-Dozer blade (height/depth)	465,	/335	465/335
Long Arm			Unit: mn
MODEL	SK45	SRX	SK55SRX
	Cab	Canopy	
Arm length	1.69	9 m	1.92 m
a-Max. digging reach	5,9	970	6,460
b-Max. digging reach at ground level	5,8	320	6,330
c-Max. digging depth	3,5	80	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	2,9	30	3,350
h-Min. swing radius	2,260	2,220	2,270
at boom swing	1,860	1,800	1,870
i- Horizontal digging stroke at ground level	2,470	2,870	2,270
i nonzontal algging birone at ground level			0 70 0
j- Digging depth for 2.4 m (8') flat bottom	3,1	70	3,730

### **GENERAL DIMENSIONS**





### **OPTIONAL EQUIPMENT**

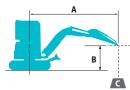
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Rotating N&B (HCP*) piping	Steel shoe	<ul> <li>Front guard for cab and canopy</li> </ul>	Rear view mirror
• N&B (HCP*) piping	<ul> <li>Bolt-on Pad shoes (for steel shoes)</li> </ul>	• Canopy light	<ul> <li>Rear under mirror</li> </ul>
Object Handling Kit*1	<ul> <li>Arm for Quick Hitch / Quick Hitch piping</li> </ul>	<ul> <li>ROPS cab with air conditioner</li> </ul>	<ul> <li>Travel alarm</li> </ul>
Wide range of buckets	Color Multi Display	•1.69 m long arm for SK45SRX (+140 mm)	
•1.92 m long arm for SK55SRX (+230 mm)	Arm & bucket cylinder guard	• Add-on counterweight (250 kg)	

\*Hand Control Proportional \*1Boom and arm safety valve + hook

Unit: mm

### LIFTING CAPACITIES



SK45SRX	Cab		Stand	ard Arm	: 1.55 n	n Bucl	ket: Wit	hout	Rubber	shoe: 4	00 mm			
$\searrow$		1.	0 m	2.0	) m	3.	0 m	4.	0 m	5.	0 m	At Max	. Reach	
В			<b>#</b> —		<b>#</b> —	Ļ	<del>,</del>	Ļ	<b>#</b> —	Ļ	<b>#</b> —	Ļ	<del>4</del> -	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		Standa	rd Arm:	1.69 m	Bucket:	Without	t Rubb	er shoe:	400 mm	1			
$\searrow$		1.0	0 m	2.0	) m	3.	0 m	4.	0 m	5.	0 m	At Max	. Reach	
B		ļ	<del>,</del>	Ļ	<b>-</b>	ļ	<del>,</del>	Ļ	<b>#</b> —	Ļ	<b>#</b> —	ł	<b>#</b> —	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		Standa	rd Arm:	1.69 m	Bucket:	Without	Rubb	er shoe: ·	400 mm	Add-o	n Counte	erweight	(250 kg)
$\searrow$		1.	0 m	2.	) m	3.	0 m	4.	0 m	5.	0 m	At Max	. Reach	
В			<del>4</del> —	Ļ	₫—	ł	<b>#</b> —	Ļ	<b>-</b>	ł	<b>-</b>	Ļ	₫—	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

3K333KX	Callo	РУ	Stanua	iiu Aiiii.	1.09 111	DUCKE		Jui nu	nnei sii	08.400				
$\searrow$		1.	0 m	2.	0 m	3.	0 m	4.	0 m	5.	0 m	At Max	. Reach	
В			<b>#</b> —	Ļ	<b>#</b> —	Ļ	<b>#</b> —	Ļ	<b>#</b> —	ł	<b>#</b> —	Ļ	<b>#</b> —	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	ka			*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.

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

SK45SRX	Cab		Long A	Arm: 1.6	i9 m B	ucket:	Withou	t Rubi	ber sho	e: 400 n	nm			
		1.	0 m	2.	0 m	3.	0 m	4.	0 m	5.	0 m	At Max	Reach	
B		ł	<del>,</del>	ł	<del>,</del>	Ļ	<b>#</b> —	ł	<b>#</b>	Ļ	<b>4</b> -	ł	<del>,</del> -	Radius
4.0 m	kg							*990	830			*770	*770	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		Long A	rm: 1.92	m Buc	ket: Wit	hout R	ubber sl	10e: 400	mm				
$\searrow$		1.	0 m	2.	0 m	3.	0 m	4.	0 m	5.	0 m	At Max	. Reach	
В		ł	<del>,</del>	ł	<del>4</del> -	ł	<b>-</b>	ł	<b>-</b>	ł	<b>-</b>	ł	<b>-</b>	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

SK55SR	X Cab		Long A	rm: 1.92	2 m Bu	icket: Wi	ithout	Rubber	shoe: 40	00 mm	Add-on	counte	rweight	(250 kg
		1.	0 m	2.	0 m	3.	0 m	4.	0 m	5.	0 m	At Max	. Reach	
			₽-	ļ	<b>4</b> -	Ļ	₫—		<b>¢</b> –	Ļ	₽-	ł	<b>-</b>	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	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	ka			*2.160	*2,160	*1.270	*1.270					*1.210	*1.210	3.07 m

SK55SRX	Cano	ру	Long A	.rm: 1.92	2 m Bu	ıcket: w	ithout	Rubbe	r shoe: 4	00 mm				
		1.	0 m	2.	0 m	3.	0 m	4.	0 m	5.	0 m	At Max	. Reach	
		ł	<b>¢</b> –	Ļ	<del>¢</del> -	Ļ	<b>¢</b> –	ł	<b>#</b> —	Ļ	<b>¢</b> -	ł	<b>#</b>	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	630	530	5.59 m
1.0 m	kg					1,580	1,280	1,020	850	730	610	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

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

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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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