

**KOBELCO**

# Hydraulic Excavators **SK115SR**

**Bucket Capacity: 0.17-0.5 m<sup>3</sup> SAE Heaped**  
**Engine Power: 58.8 kW (80 PS) at 2,050 min<sup>-1</sup>**  
**Operating Weight: 11,800 kg**

# **SK135SR SK135SRLC**

**Bucket Capacity: 0.24-0.7 m<sup>3</sup> SAE Heaped**  
**Engine Power: 62.5 kW (85 PS) at 2,050 min<sup>-1</sup>**  
**Operating Weight: 13,400 kg - SK135SR**  
**13,600 kg - SK135SRLC**





# The SR Series: The Standard for Operation Within a Small Rear Swing Radius



Imagine a full-performance hydraulic excavator series with an ultra-small rear swing radius that allows the operator to focus on the job in front of him, even in narrow spaces. The KOBELCO SR Series is designed with precisely that in mind, and has won the unqualified approval of operators and owners on work sites throughout the world. SR Series machines offer all the benefits of small rear swing, but also do the same work as conventional models, providing optimal versatility. Now, we're proud to announce the next step in the evolution of the SR concept. Carrying on the proud tradition of their predecessors, the new SK115SR/SK135SR/LC machines represent a new standard in small rear-swing radius operation.

# Full-sized Performance With a Tiny Rear Swing Radius

## Ultra-small Rear Swing Radius Lets You Concentrate on the Job

The rear of the upper carriage stays nearly within the crawler width which provides you safer and more efficient operations during swinging.

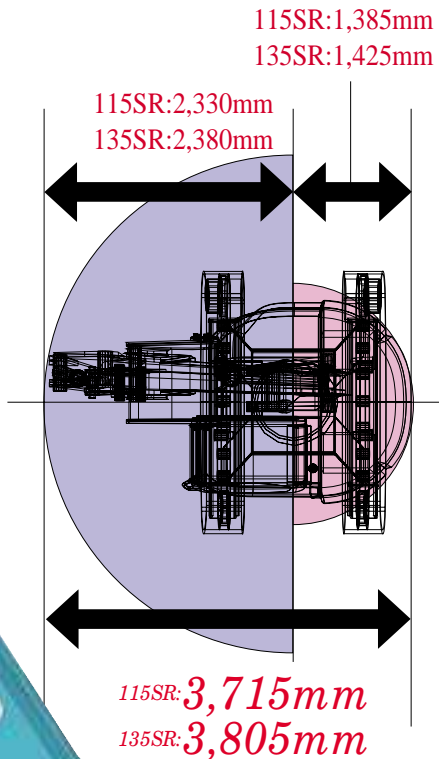
## Utilization Boosted, with Two Benefits

There's less chance of colliding with onsite obstacles, and operations are possible at previously inaccessible locations such as tight up against walls or on forest, without constant worry about the rear. And owners win twice over, with a machine that does the same work as a conventional model, yet has the small rear swing advantage.



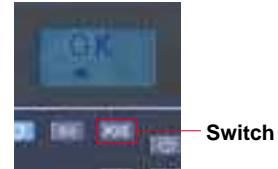
## A Working Radius of Less Than 4 m

When swinging 180°, the SK115SR/SK135SR(LC) takes up less than four meters of operating space, making continuous digging, swinging, and loading operations possible on small worksites.



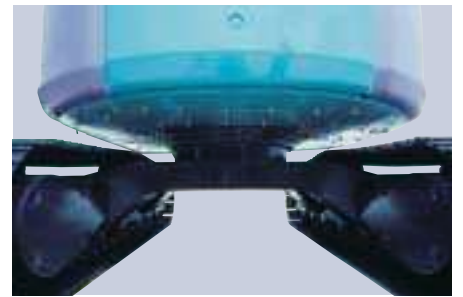
## Three ITCS Operating Modes

Three operating modes are available with the simple flick of a switch. **H-Mode** for heavy digging **S-Mode** for energy-efficient operation **FC-Mode** for fine control.



## Excellent Stability and Performance

The floor of the upper frame is constructed with a single, thick steel plate that provides sure-footed stability.

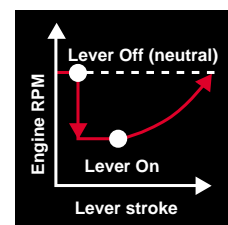


## Automatic Two-speed Travel System

An automatic shift function ensures smoother, more efficient travel on the worksite.

**High mode: 6.0 km/h**  
**Low mode: 3.5 km/h**

## Automatic Deceleration Function



When the control lever is placed in neutral, engine speed is automatically reduced to save fuel, lower noise, and reduce exhaust gas emissions.

When machine operation is resumed, the engine speed increases gradually to ensure safety.

- The swing priority system automatically boosts power to the swing during simultaneous operations.
- The shockless travel system ensures smooth starts and stops.
- The straight propel system keeps the machine on track during simultaneous operations.

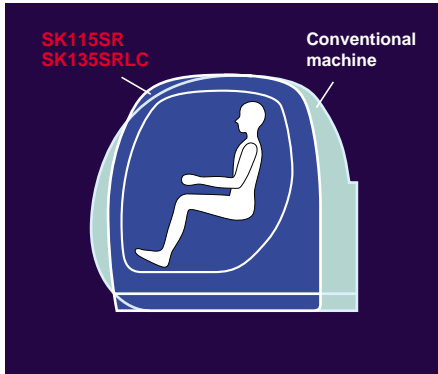


# Spacious, Quiet, and Comfortable Cab Makes the Difference

## Spacious Comfort Cab Provides Plenty of Room

Though compact on the outside, the cab provides a comfortable and spacious working environment on the inside.

- High head clearance for easy entry.
- Cab width and foot space comparable to conventional machines.
- Double-slide seat ensures optimal operating posture.



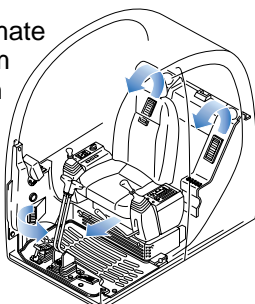
## Low-noise, Low-vibration Design

Cab noise is a quiet 72dB(A): SK135SR(LC)/71dB(A):SK115SR, thanks to an insulation panel with deep grooves installed in the back. Vibration is also minimized with the help of sealed viscous cab mounts.



## Automatic Climate Control System Provides Simple Environmental Control

The powerful, automatic climate control system equipped with a defroster.



**4,100 kcal/h in cooling mode**  
**4,900 kcal/h in heating mode**



## Wide-view Ensures Safe Operation



• The area of the front window covered by the wiper has been increased by approximately 11%.



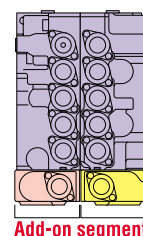
• A rearview mirror sets to eliminate the usual dead angle behind the counterweight.

## Many Features That Ensure Comfort

- Storage for small articles
- Large-capacity luggage box
- Pop-up sun roof
- Door-activated cab light



# Broad Versatility Makes It Easy to Choose the Ideal Configuration



Add-on segment

## Additional Service Valves

Optional double-action valves can easily be added to the control valve to meet versatile applications.

## Optional Dozer Blade

The large dozer blade is very efficient at piling up earth and filling holes, and the dozer hose is jointed to make

blade changes easy. The SK135SR(LC) also features a tilt-angle blade.

## Optional Bolt-on Rubber-padded Shoes



The steel shoes have holes that hold specially designed rubber pads to protect the road surface.



## ENGINE

**Model:** ISUZU BB-4BG1T  
**Type:** Direct injection, water-cooled, 4-cycle diesel engine with turbocharger

**No. of cylinders:** 4  
**Bore and stroke:** 105 mm × 125 mm  
**Displacement:** 4,329 cc  
**Rated power output:** 58.8 kW NET at 2,050 min<sup>-1</sup>  
 80 PS NET at 2,050 rpm  
**Max. torque:** 294 N·m at 1,600 min<sup>-1</sup>  
 30 kgf·m at 1,600 rpm



## HYDRAULIC SYSTEM

**Pump:** Two variable displacement pump  
**Max. discharge flow:** 2 × 118 liters/min  
**Max. discharge pressure:** 32.4 MPa (330 kg/cm<sup>2</sup>)  
**Excavating circuit (main):** 32.4 MPa (330 kg/cm<sup>2</sup>)  
**Propel circuit:** 32.4 MPa (330 kg/cm<sup>2</sup>)  
**Swing circuit:** 26.0 MPa (265 kg/cm<sup>2</sup>)  
**Control circuit:** 5.0 MPa (50 kg/cm<sup>2</sup>)  
**Pilot control pump:** Gear type  
**Control valves:** 6-spool  
**Oil cooler:** Air cooled type (Finned tube, forced ventilation)



## CAB & CONTROL

All-weather, sound suppressed steel cab is mounted on the silicon-sealed viscous mount. Large, tinted safety-glass windows, with pull type upper front window and removable lower front windows. Seven-way adjustable dual-slide seat with wrist-action levers, electric rotary-type engine throttle, safety-lock lever, and easy-to-read multi-display monitor. Ventilated, pressurized climate control system, floor mat, intermittent windshield wiper with two-jet washer, light-action cab door, skylight, ashtray, cab light (interior), coat hook, cup holder, and utility box.



## TRAVEL SYSTEM

**Drive motors:** Independent, axial-piston, two-step motor each side  
**Brakes:** Independent, disc parking brake for each side  
**Track shoes:** 41 each side -  
**Travel speed:** 6.0/3.5 km/h  
**Gradeability:** 70 % (35°)  
**Drawbar pulling force:** 120 kN (12,200 kgf) (SAE J1309 MAY 91)



## SWING SYSTEM

**Brake:** Hydraulic, locking automatically when the swing control lever is in neutral position  
**Parking brake:** Hydraulic disc brake  
**Swing speed:** 11.4 min<sup>-1</sup>  
**Tail swing radius:** 1,385 mm  
**Min. front swing radius:** 2,330 mm



## BOOM, ARM, AND BUCKET

**Boom cylinders (2):** 95 mm × 1,450 mm  
**Arm cylinder:** 110 mm × 1,075 mm  
**Bucket cylinder:** 95 mm × 885 mm

### DOZER BLADE (Optional)

**Dimensions:** 2,490 mm (width) × 570 mm (height)  
**Working range (up/down):** 490 mm × 540 mm



## REFILLING CAPACITIES AND LUBRICATION

**Fuel tank:** 168 liters  
**Cooling system:** 18 liters  
**Engine oil:** 13 liters  
**Track drives:** 2 × 2.5 liters  
**Swing drive:** 1.7 liters  
**Hydraulic oil Tank (oil level):** 94 liters  
**Hydraulic system:** 140 liters



## ATTACHMENTS

Uses		Backhoe bucket						
		General purpose						
Bucket capacity (SAE heaped)	m <sup>3</sup>	0.17	0.23	0.30	0.37	0.45	0.50	
Bucket capacity (Struck)	m <sup>3</sup>	0.13	0.19	0.22	0.27	0.35	0.45	
Opening width	With side cutters	mm	–	600	700	800	950	1,000
	Without side cutters	mm	450	500	600	700	850	900
No. of bucket teeth			3	3	3	4	4	4
Combinations	1.9 m arm		○	○	○	○	○	○
	2.2 m arm		○	○	○	○	○	△
	2.7 m arm		○	○	○	○	△	×
	2.2+0.6 m arm		○	○	○	△	×	×

○ Recommended △ Loading only × Not recommended





## WORKING RANGES

Unit: m

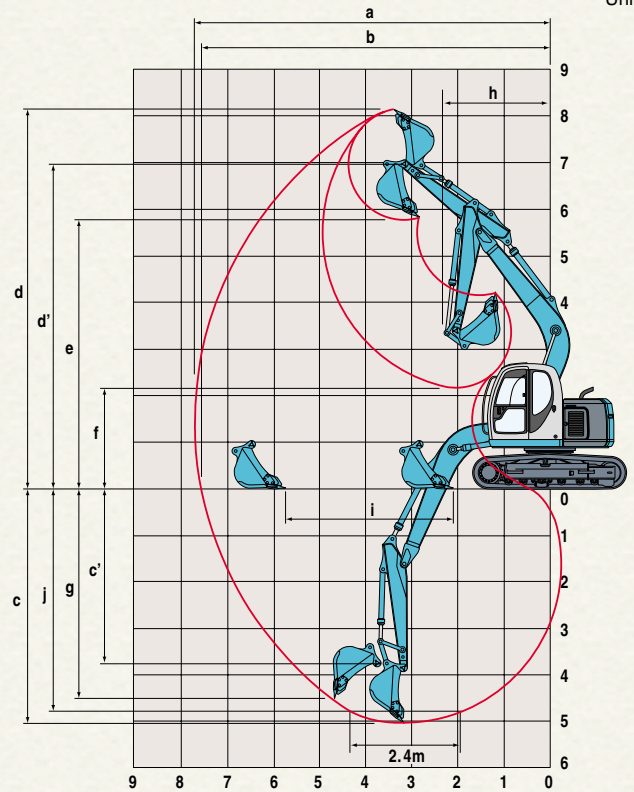
Range \ Arm	1.9	Std. 2.2	2.7	1.9 + 0.6
Max. digging reach	7.43	7.71	8.18	8.27
Max. digging reach at ground level	7.29	7.59	8.05	8.14
Max. digging depth	4.76	5.06	5.56	5.66
Max. depth of bucket hinge pin	3.55	3.85	4.35	4.45
Max. digging height	7.96	8.16	8.49	8.54
Max. height of bucket hinge pin	6.78	6.98	7.31	7.36
Max. dumping clearance	5.57	5.78	6.10	6.15
Min. dumping clearance	2.51	2.17	1.72	1.58
Max. vertical wall digging depth	3.96	4.50	4.86	4.89
Min. front swing radius	2.44	2.33	2.59	2.43
Horizontal digging stroke at ground level	3.03	3.65	4.22	4.51
Digging depth for 2.4 m flat bottom	4.48	4.80	5.35	5.45
Bucket capacity SAE heaped m <sup>3</sup>	0.50	0.45	0.37	0.30

### DIGGING FORCE

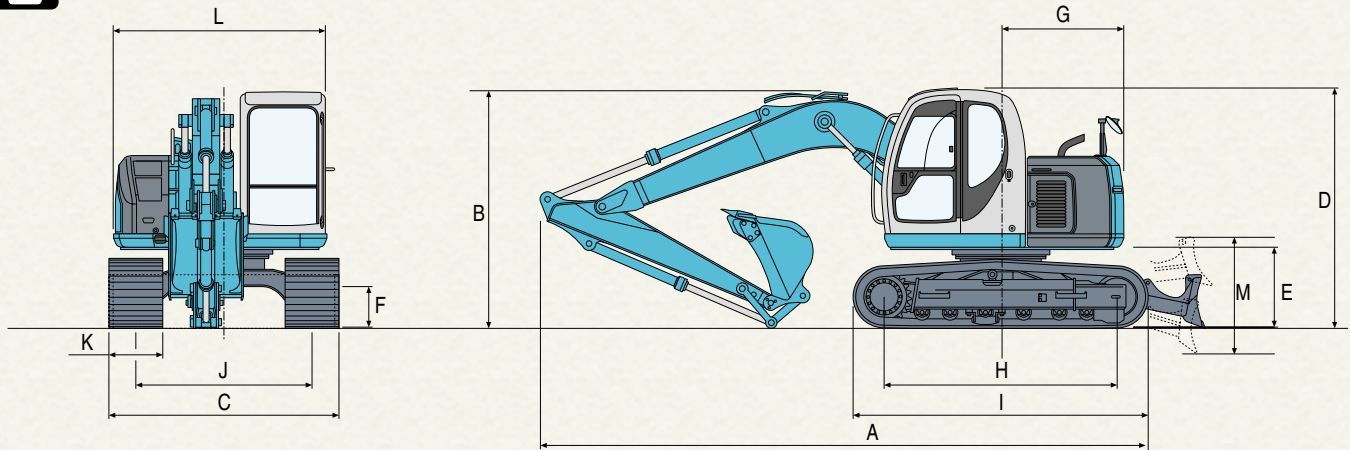
Unit: kN(kgf)

Arm length	1.9 m	Std. 2.2 m	2.7 m	2.2 + 0.6 m
Bucket digging force	85.5 (8,720)			
Arm crowding force	66.9 (6,820)	58.8 (6,000)	52.0 (5,300)	49.1 (5,010)

Unit: m



## DIMENSIONS



Unit: mm

Arm length	1.9m	Std. 2.2 m	2.7 m
A Overall length	6,690	6,880	6,890
B Overall height (to top of boom)	2,680	2,690	2,780
C Overall width (600 mm shoe)	2,590		
D Overall height (to top of cab)	2,740		
E Ground clearance of rear end*	910		
F Ground clearance*	455		

G Tail swing radius	1,385
H Tumbler distance	2,610
I Overall length of crawler	3,320
J Track width	1,990
K Shoe width	500/600/700
L Overall width of upperstructure	2,410
M Dozer blade (up/down)	490/540

\* Without including height of shoe lug. Dozer blade is optional.

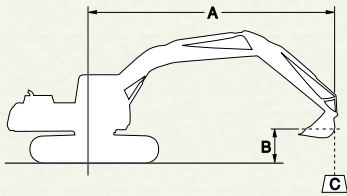


## OPERATING WEIGHT AND GROUND PRESSURE

In standard trim, with standard boom, 2.2 m arm, 0.45 SAE bucket

Shape		Triple groucer shoe (even height)			Flat shoe
Shoe width	mm	500	600	700	500
Overall width	mm	2,490	2,590	2,690	2,490
Ground pressure	kPa (kgf/cm <sup>2</sup> )	40 (0.41)	34 (0.35)	30 (0.31)	41 (0.42)
Operating weight	kg	11,800	11,900	12,200	11,900

## LIFTING CAPACITY



Rating over front



Rating over side or 360 degrees

A - Reach from swing centerline to bucket hook  
 B - Bucket hook height above/below ground  
 C - Lifting capacities in kilograms  
 • Max. discharge pressure: 32.4 MPa (330kg/cm<sup>2</sup>)

		SK115SR Standard Arm: 2.2 m Bucket: 0.45 m <sup>3</sup> SAE heaped 340 kg Shoe: 500 mm							
A \ B		1.5 m		3.0 m		4.5 m		6.0 m	
6.0 m	kg					* 2,200	* 2,200		
4.5 m	kg					* 2,500	2,500		
3.0 m	kg			* 4,100	* 4,100	* 3,100	2,400	2,000	1,400
1.5 m	kg			* 6,000	4,200	3,100	2,200	1,900	1,300
Ground level	kg			5,800	3,900	2,900	2,000	1,800	1,300
-1.5 m	kg	* 5,200	* 5,200	5,700	3,800	2,800	2,000		
-3.0 m	kg	* 8,400	* 8,400	* 5,300	3,900	2,900	2,000		

		SK115SR Standard Arm: 2.2 m Bucket: 0.45 m <sup>3</sup> SAE heaped 340 kg Shoe: 600 mm							
A \ B		1.5 m		3.0 m		4.5 m		6.0 m	
6.0 m	kg					* 2,200	* 2,200		
4.5 m	kg					* 2,500	* 2,500		
3.0 m	kg			* 4,100	* 4,100	* 3,100	2,500	2,000	1,500
1.5 m	kg			* 6,000	4,300	3,100	2,200	1,900	1,400
Ground level	kg			5,900	3,900	3,000	2,100	1,900	1,300
-1.5 m	kg	* 5,200	* 5,200	5,800	3,900	2,900	2,000		
-3.0 m	kg	* 8,400	* 8,400	* 5,300	4,000	2,900	2,000		

### Notes:

1. Do not attempt to lift or hold any load that exceeds these rated values at their specified load radii and heights.
2. Lifting capacities assume a machine standing on a level, firm, and uniform supporting surface. Operator must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, inexperienced personnel, weight of various other buckets, lifting slings, attachments, etc.
3. Ratings at bucket lift hook.
4. The above rated loads are in compliance with SAE Hydraulic Excavator Lift

Capacity Rating Standard J 1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Rated loads marked with an asterisk(\*) are limited by hydraulic capacity rather than tipping load.

5. When a dozer blade is attached to SK115SR, do not attempt to increase lifting capacity by setting the blade on the ground and using it as a stability.
6. Operator should be fully acquainted with the operators' manual before operating this machine. Rules for safe operation of equipment should be followed at all times.
7. Capacities apply only to the machine as originally manufactured and normally equipped by KOBELCO Construction Machinery Co., Ltd.



# SPECIFICATIONS



## ENGINE

<b>Model:</b>	ISUZU BB-4BG1T
<b>Type:</b>	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger
<b>No. of cylinders:</b>	4
<b>Bore and stroke:</b>	105 mm × 125 mm
<b>Displacement:</b>	4,329 cc
<b>Rated power output:</b>	62.5 kW NET at 2,050 min <sup>-1</sup> 85 PS NET at 2,050 rpm
<b>Max. torque:</b>	313 N·m at 1,600 min <sup>-1</sup> 32 kgf·m at 1,600 rpm



## HYDRAULIC SYSTEM

<b>Pump:</b>	Two variable displacement pump
<b>Max. discharge flow:</b>	2 × 118 liters/min
<b>Max. discharge pressure:</b>	
<b>Excavating circuit (main):</b>	34.3 MPa (350 kg/cm <sup>2</sup> )
<b>Propel circuit:</b>	34.3 MPa (350 kg/cm <sup>2</sup> )
<b>Swing circuit:</b>	28.0 MPa (285 kg/cm <sup>2</sup> )
<b>Control circuit:</b>	5.0 MPa (50 kg/cm <sup>2</sup> )
<b>Pilot control pump:</b>	Gear type
<b>Control valves:</b>	6-spool
<b>Oil cooler:</b>	Air cooled type (Finned tube, forced ventilation)



## CAB & CONTROL

All-weather, sound suppressed steel cab is mounted on the silicon-sealed viscous mount. Large, tinted safety-glass windows, with pull type upper front window and removable lower front windows. Seven-way adjustable dual-slide seat with wrist-action levers, electric rotary-type engine throttle, safety-lock lever, and easy-to-read multi-display monitor. Ventilated, pressurized climate control system, floor mat, intermittent windshield wiper with two-jet washer, light-action cab door, skylight, ashtray, cab light (interior), coat hook, cup holder, and utility box.



## TRAVEL SYSTEM

<b>Drive motors:</b>	Independent, axial-piston, two-step motor each side
<b>Brakes:</b>	Independent, disc parking brake for each side
<b>Track shoes:</b>	44 each side -SK135SR 46 each side -SK135SRLC
<b>Travel speed:</b>	6.0/3.5 km/h
<b>Gradeability:</b>	70 % (35°)
<b>Drawbar pulling force:</b>	127 kN (13,000 kgf) - SK135SRLC (SAE J1309 MAY 91)



## SWING SYSTEM

<b>Brake:</b>	Hydraulic, locking automatically when the swing control lever is in neutral position
<b>Parking brake:</b>	Hydraulic disc brake
<b>Swing speed:</b>	11.7 min <sup>-1</sup>
<b>Tail swing radius:</b>	1,425 mm
<b>Min. front swing radius:</b>	2,380 mm



## BOOM, ARM, AND BUCKET

<b>Boom cylinders (2):</b>	100 mm × 1,038 mm
<b>Arm cylinder:</b>	115 mm × 1,150 mm
<b>Bucket cylinder:</b>	95 mm × 885 mm

### DOZER BLADE (Optional)

<b>Dimensions:</b>	2,490 mm (width) × 570 mm (height)
<b>Working range (up/depth):</b>	490 mm × 540 mm



## REFILLING CAPACITIES AND LUBRICATION

<b>Fuel tank:</b>	168 liters
<b>Cooling system:</b>	18 liters
<b>Engine oil:</b>	13 liters
<b>Track drives:</b>	2 × 2.5 liters
<b>Swing drive:</b>	1.7 liters
<b>Hydraulic oil:</b>	
<b>Tank (oil level):</b>	94 liters
<b>Hydraulic system:</b>	140 liters



## ATTACHMENTS

Uses	Backhoe bucket								
	General purpose								
Bucket capacity (SAE heaped)	m <sup>3</sup>	0.24	0.31	0.38	0.45	0.50	0.57	0.70	
Bucket capacity (Struck)	m <sup>3</sup>	0.20	0.23	0.28	0.35	0.45	0.50	–	
Opening width	With side cutters	mm	600	700	800	900	1,000	1,100	–
	Without side cutters	mm	500	600	700	800	900	1,000	1,150
No. of bucket teeth		3	3	4	4	5	5	5	
Combinations	2.45 m arm		○	○	○	○	○	×	×
	2.95 m arm		○	○	○	○	×	△	×

○ Recommended △ Loading only × Not recommended



## WORKING RANGES

### SK135SRLC

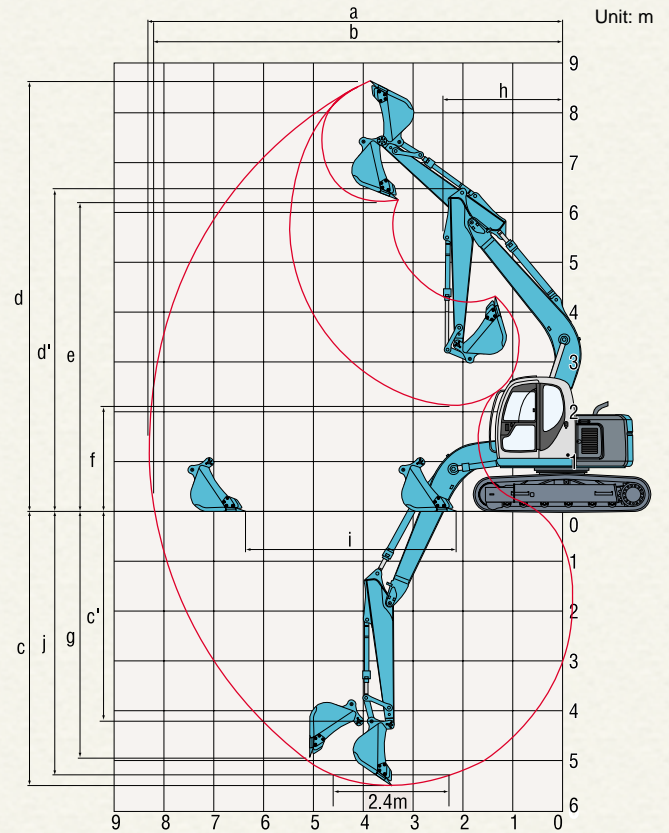
Unit: m

Range	Arm	Std. 2.45	2.95
a - Max. digging reach		8.34	8.77
b - Max. digging reach at ground level		8.21	8.65
c - Max. digging depth		5.5	6.01
c' - Max. depth of bucket hinge pin		4.29	4.79
d - Max. digging height		8.83	8.86
d' - Max. height of bucket hinge pin		7.43	7.66
e - Max. dumping clearance		6.20	6.44
f - Min. dumping clearance		2.12	1.65
g - Max. vertical wall digging depth		4.96	5.25
h - Min. front swing radius		2.38	2.65
i - Horizontal digging stroke at ground level		4.24	4.77
j - Digging depth for (2.4 m) flat bottom		5.30	5.63
Bucket capacity SAE heaped	m <sup>3</sup>	0.50	0.38

### DIGGING FORCE

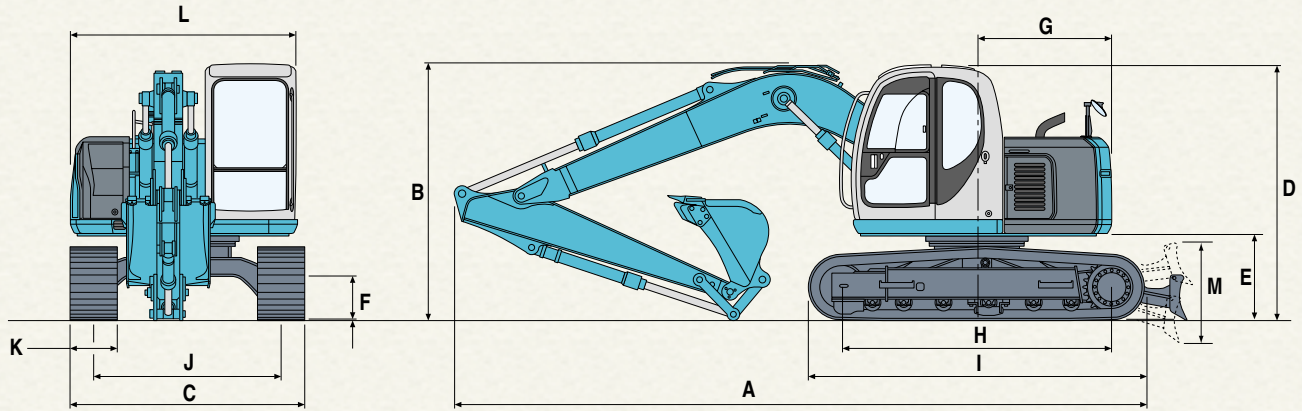
Unit: kN(kgf)

Arm length	2.45 m	2.95 m
Bucket digging force	88.2 (8,990)	
Arm crowding force	63.6 (6,490)	58.1 (5,920)





## DIMENSIONS



Unit: mm

Arm length		2.45 m	2.95 m
A Overall length	SK135SR	7,360	7,390
	SK135SRLC	7,440	7,470
B Overall height (to top of boom)		2,730	2,750
C Overall width (500 mm)		2,490	
D Overall height (to top of cab)		2,740	
E Ground clearance of rear end*		910	
F Ground clearance*		455	
G Tail swing radius		1,425	

H Tumbler distance	SK135SR	2,865
	SK135SRLC	3,035
I Overall length of crawler	SK135SR	3,570
	SK135SRLC	3,740
J Track width		1,990
K Shoe width		500/600/700
L Overall width of upperstructure		2,410
M Dozer blade (up/down)		490/590

\* Without including height of shoe lug.  
Dozer blade is optional.



## OPERATING WEIGHT AND GROUND PRESSURE

In standard trim, with standard boom, 2.2 m arm, 0.45 m<sup>3</sup> SAE bucket

Shape		Triple grouser shoe (even height)			
Shoe width	mm	500	600	700	
Overall width	mm	2,490	2,590	2,690	
Ground pressure	kPa (kgf/cm <sup>2</sup> )	SK135SR	42 (0.43)	36 (0.37)	31 (0.32)
		SK135SRLC	41 (0.41)	35 (0.35)	31 (0.31)
Operating weight	kg	SK135SR	13,400	13,700	13,900
		SK135SRLC	13,600	13,900	14,100

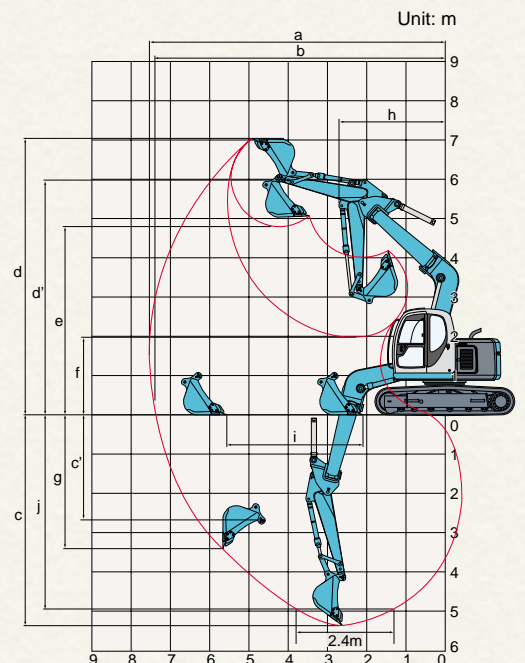
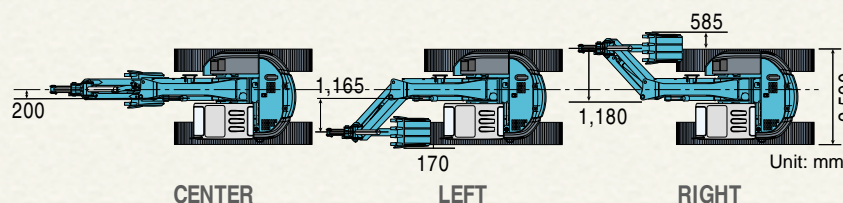
## SIDE DIGGING ATTACHMENT



## WORKING RANGES

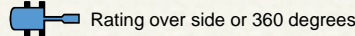
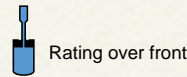
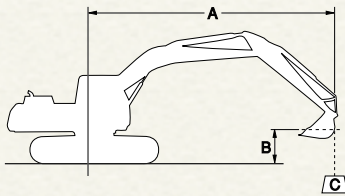
Unit: m

Arm	Offset	2.2 m		
		(Center)	Max. (left)	Max. (right)
a	Max. digging reach	7.53	7.11	7.10
b	Max. digging reach at ground level	7.39	6.96	6.94
c	Max. digging depth	5.35	4.93	4.91
d	Max. digging height	7.04	6.77	6.76
e	Max. dumping clearance	4.81	4.54	4.53
f	Min. dumping clearance	1.98	1.71	1.70
g	Max. vertical wall digging depth	3.40	3.06	3.04
h	Min. front swing radius	2.70	2.37	2.36
i	Horizontal digging stroke at ground level	3.47	3.48	3.48
j	Digging depth at 2.4 m flat bottom	4.94	4.51	4.50
Bucket capacity SAE heaped		m <sup>3</sup>	0.50	





## LIFTING CAPACITY



**A** - Reach from swing centerline to bucket hook  
**B** - Bucket hook height above/below ground  
**C** - Lifting capacities in kilograms  
 • Max. discharge pressure: 34.3 MPa (350kg/cm<sup>2</sup>)

		SK135SR Standard Arm: 2.45 m 0.50 m <sup>3</sup> SAE heaped 370 kg Shoe: 500 mm							
A \ B		1.5 m		3.0 m		4.5 m		6.0 m	
4.5 m	kg					* 3,100	* 3,100	* 2,700	1,900
3.0 m	kg			* 5,300	* 5,300	* 3,800	2,900	2,800	1,800
1.5 m	kg			* 7,700	5,000	4,300	2,700	2,700	1,700
Ground level	kg			* 7,400	4,700	4,000	2,500	2,500	1,600
-1.5 m	kg	* 5,100	* 5,100	8,200	4,600	3,900	2,400	2,500	1,500
-3.0 m	kg	* 8,100	* 8,100	* 7,000	4,700	4,000	2,400		

		SK135SR Standard Arm: 2.45 m 0.50 m <sup>3</sup> SAE heaped 370 kg Shoe: 700 mm							
A \ B		1.5 m		3.0 m		4.5 m		6.0 m	
4.5 m	kg					* 3,100	* 3,100	* 2,700	1,900
3.0 m	kg			* 5,300	* 5,300	* 3,800	3,100	2,900	1,900
1.5 m	kg			* 7,700	5,200	4,400	2,800	2,800	1,700
Ground level	kg			* 7,400	4,900	4,200	2,600	2,700	1,600
-1.5 m	kg	* 5,100	* 5,100	* 8,300	4,800	4,100	2,500	2,600	1,600
-3.0 m	kg	* 8,100	* 8,100	* 7,000	4,900	4,100	2,500		

		SK135SRLC Standard Arm: 2.45 m Bucket: 0.50 m <sup>3</sup> SAE heaped 370 kg Shoe: 600 mm							
A \ B		1.5 m		3.0 m		4.5 m		6.0 m	
4.5 m	kg					* 3,100	* 3,100	* 2,700	1,900
3.0 m	kg			* 5,300	* 5,300	* 3,800	3,100	3,100	1,900
1.5 m	kg			* 7,800	5,200	* 4,700	2,800	2,900	1,700
Ground level	kg			* 7,400	4,900	4,500	2,600	2,800	1,700
-1.5 m	kg	* 5,100	* 5,100	* 8,300	4,800	4,400	2,500	2,800	1,600
-3.0 m	kg	* 8,200	* 8,200	* 7,000	4,900	4,400	2,500		

		SK135SRLC Standard Arm: 2.45 Bucket: 0.50 m <sup>3</sup> SAE heaped 370 kg Shoe: 700 mm							
A \ B		1.5 m		3.0 m		4.5 m		6.0 m	
4.5 m	kg					* 3,100	* 3,100	* 2,700	2,000
3.0 m	kg			* 5,300	* 5,300	* 3,800	3,100	3,100	1,900
1.5 m	kg			* 7,800	5,300	* 4,700	2,800	3,000	1,800
Ground level	kg			* 7,400	5,000	4,600	2,600	2,900	1,700
-1.5 m	kg	* 5,100	* 5,100	* 8,300	4,900	4,500	2,600	2,800	1,600
-3.0 m	kg	* 8,200	* 8,200	* 7,000	5,000	4,500	2,600		

### Notes:

- Do not attempt to lift or hold any load that exceeds these rated values at their specified load radii and heights.
- Lifting capacities assume a machine standing on a level, firm, and uniform supporting surface. Operator must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, inexperienced personnel, weight of various other buckets, lifting slings, attachments, etc.
- Ratings at bucket lift hook.
- The above rated loads are in compliance with SAE Hydraulic Excavator Lift

Capacity Rating Standard J 1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Rated loads marked with an asterisk(\*) are limited by hydraulic capacity rather than tipping load.

- When a dozer blade is attached to SK135SRLC, do not attempt to increase lifting capacity by setting the blade on the ground and using it as a stability.
- Operator should be fully acquainted with the operators' manual before operating this machine. Rules for safe operation of equipment should be followed at all times.
- Capacities apply only to the machine as originally manufactured and normally equipped by KOBELCO Construction Machinery Co., Ltd.

# Reliable, Safe, and Easy to Maintain

## Aluminum Oil Cooler Resists Corrosion and Is Easy to Clean



The oil cooler's anti-dust mesh cover can be easily disassembled and removed to simplify cleaning. (The photo shows the cooler with the left side removed.)

## Reliable Brake and Lock Functions Enhance Safety



- Safety lever-lock prevents accidental operation during cab entry and exit.
- Swing and parking brakes keep the machine immobilized when stopped.
- Optional boom and arm safety valves keep the attachment from drifting.
- Emergency engine stop overrides all other functions to shut the engine down.

## Multifunction Check & Safety Monitor Is Easy to Read



- The list of visually checked items has been reduced to 10 to simplify daily maintenance.
- The 28-item self-diagnostic function pinpoints malfunctions before a serious problem develops and provides emergency back-up.
- The malfunction record function (28 items × 20 pages) helps to identify one-time problems.
- The service diagnostic function (22 items) supports quick and accurate repair servicing.

## Simple, Rugged Design Ensures That the Machine Retains Its Long-term Value

- 1 High-quality urethane paint resists wear.
- 2 Steel-sheet cover is easy to repair.
- 3 The floor of the upper body is a single steel plate for added strength.
- 4 Tough, X-frame chassis can handle uneven terrain with ease.
- 5 Upper rollers feature a thick shaft diameter for added strength.
- 6 Lower spring cover protects spring of idler.
- 7 Three-piece crawler frame provides excellent rigidity.
- 8 Modified shape of motor cover keeps out mud and gravel.



Side bonnet has gas damper cylinder for easy opening.



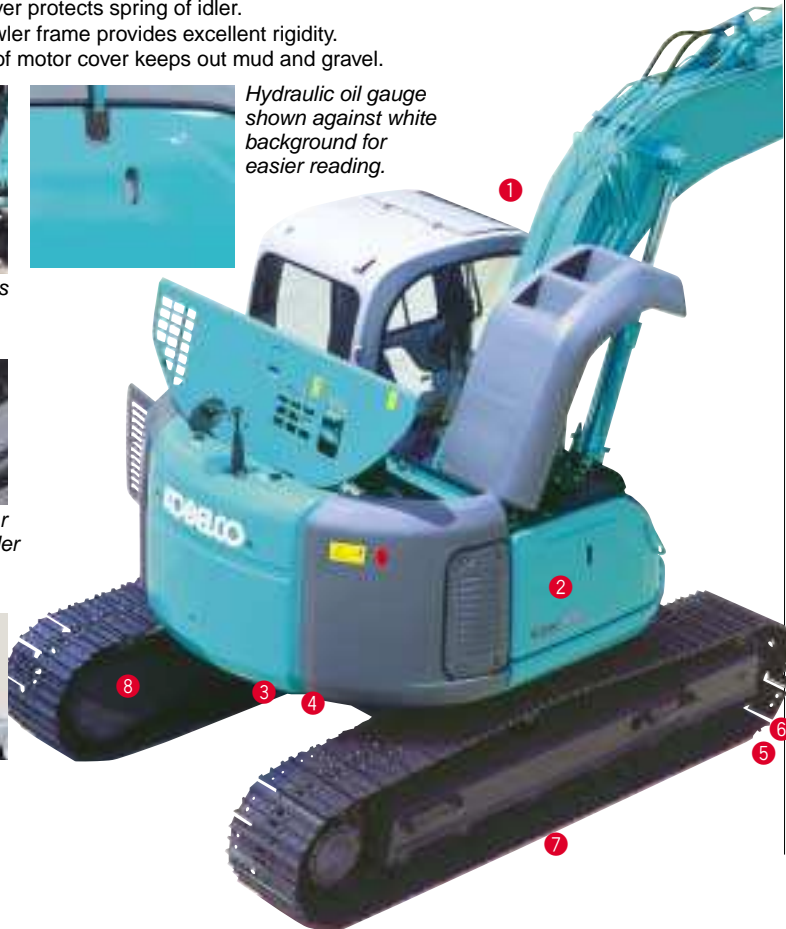
Hydraulic oil gauge shown against white background for easier reading.



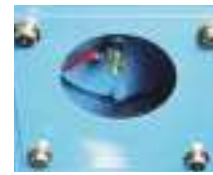
Dozer cylinder cover offers greater cylinder protection. (Dozer blade is optional)



The skylight is treated with a hard coating to improve durability.



## Easy to Maintain



- Easy access to the drain cock
- Introduced flange-type fuel tank for easy cleaning
- The front panels of the oil cooler and radiator are designed with spaces that allow a hand to be inserted.
- Wavy-finned radiator resists clogging.
- The floor mat is designed for easy washing with water.

## Environmental Features

- New low-emission engine (clear TIER II)
- Advanced noise-control technology
- Electromagnetic Compatibility
- Non-amine coolant
- Biodegradable Hydraulic Oil (optional)
- Newly designed pan for oil change

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