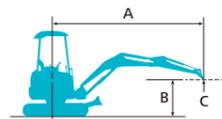


## LIFT CAPACITIES



Rating over front

Rating over side or 360 degrees

A: Reach from swing centerline to arm top  
B: Arm top height above/below ground  
C: Lift point  
Bucket: without Dozer blade: up  
Relief valve setting: 23.0 MPa

SK30SR Canopy		Standard arm: 1.32 m, Bucket: without Shoe: 300 mm Steel shoe					Radius
		2.0 m	3.0 m	4.0 m	At Max. Reach		
B	A						
4.0 m	kg		760	610		730 580	3.08 m
3.0 m	kg		*760	610		470 370	3.97 m
2.0 m	kg		730	570	460	360 390 310	4.38 m
1.0 m	kg		670	520	430	340 360 290	4.48 m
G. L.	kg	1,230	890	640	490	420 330	4.29 m
-1.0 m	kg	1,250	910	640	490		3.77 m
-2.0 m	kg	*970	970			*650 *650	2.60 m

SK35SR Canopy		Standard arm: 1.37 m, Bucket: without Shoe: 300 mm Steel shoe					Radius
		1.0 m	2.0 m	3.0 m	4.0 m	At Max. Reach	
B	A						
4.0 m	kg					790 730	3.32 m
3.0 m	kg					580 540 540 510	4.15 m
2.0 m	kg				890 820	560 530 460 430	4.54 m
1.0 m	kg				820 760	540 500 430 410	4.63 m
G. L.	kg		1,510	1,350	790 730	520 490	4.45 m
-1.0 m	kg	*2,290	*2,290	1,530	1,370	780 730	3.95 m
-2.0 m	kg		*1,550	1,420			2.90 m

SK30SR Canopy		Long arm: 1.62 m, Bucket: without Shoe: 300 mm Steel shoe					Radius
		1.0 m	2.0 m	3.0 m	4.0 m	At Max. Reach	
B	A						
4.0 m	kg					580 460	3.52 m
3.0 m	kg					470 380 320	4.30 m
2.0 m	kg				740 580	460 360 350 270	4.68 m
1.0 m	kg				670 520	430 340 330 250	4.77 m
G. L.	kg		1,210	880	630 480	410 320 340 260	4.60 m
-1.0 m	kg	*1,660	*1,660	1,220	890	620 470 410 320	4.12 m
-2.0 m	kg		1,270	930	650 500		3.14 m

SK35SR Canopy		Long arm: 1.67 m, Bucket: without Shoe: 300 mm Steel shoe					Radius
		1.0 m	2.0 m	3.0 m	4.0 m	At Max. Reach	
B	A						
4.0 m	kg					590 550	3.74 m
3.0 m	kg					650 610	4.47 m
2.0 m	kg				*890 840	570 530 410 390	4.83 m
1.0 m	kg				830 770	540 500 390 370	4.92 m
G. L.	kg		1,490	1,330	780 720	520 480 400 380	4.75 m
-1.0 m	kg	*1,870	*1,870	1,500	1,340	770 710 510 480	4.29 m
-2.0 m	kg		1,550	1,390	790 730		3.39 m

SK30SR Cab		Standard arm: 1.32 m, Bucket: without Shoe: 300 mm Steel shoe					Radius
		1.0 m	2.0 m	3.0 m	4.0 m	At Max. Reach	
B	A						
4.0 m	kg					800 640	3.08 m
3.0 m	kg					500 390	3.97 m
2.0 m	kg				770 600	480 380 410 330	4.38 m
1.0 m	kg				710 550	460 360 390 300	4.48 m
G. L.	kg		1,300	950	680 520	450 350 410 320	4.29 m
-1.0 m	kg	*2,050	*2,050	1,320	960	680 520	3.77 m
-2.0 m	kg		*970	*970			2.60 m

SK35SR Cab		Standard arm: 1.37 m, Bucket: without Shoe: 300 mm Steel shoe					Radius
		1.0 m	2.0 m	3.0 m	4.0 m	At Max. Reach	
B	A						
4.0 m	kg					610 570	3.32 m
3.0 m	kg					820 760	4.15 m
2.0 m	kg				930 860	590 550 480 450	4.54 m
1.0 m	kg				860 790	570 530 460 430	4.63 m
G. L.	kg		1,580	1,410	830 760	550 510 470 440	4.45 m
-1.0 m	kg	*2,290	*2,290	1,600	1,430	820 760	3.95 m
-2.0 m	kg		*1,550	1,490			2.90 m

SK30SR Cab		Long arm: 1.62 m, Bucket: without Shoe: 300 mm Steel shoe					Radius
		1.0 m	2.0 m	3.0 m	4.0 m	At Max. Reach	
B	A						
4.0 m	kg					610 490	3.52 m
3.0 m	kg					500 400 430 340	4.30 m
2.0 m	kg				780 610	480 380 370 290	4.68 m
1.0 m	kg				710 550	460 360 350 270	4.77 m
G. L.	kg		1,280	930	670 510	440 340 360 280	4.60 m
-1.0 m	kg	*1,660	*1,660	1,290	940	660 500 440 340	4.12 m
-2.0 m	kg		1,340	980	690 530		3.14 m

SK35SR Cab		Long arm: 1.67 m, Bucket: without Shoe: 300 mm Steel shoe					Radius
		1.0 m	2.0 m	3.0 m	4.0 m	At Max. Reach	
B	A						
4.0 m	kg					680 630	3.74 m
3.0 m	kg					610 570	4.47 m
2.0 m	kg				*890 870	590 550 430 410	4.83 m
1.0 m	kg				870 800	570 530 410 380	4.92 m
G. L.	kg		1,560	1,400	820 750	540 500 430 400	4.75 m
-1.0 m	kg	*1,870	*1,870	1,570	1,400	810 740 540 500	4.29 m
-2.0 m	kg	*3,080	*3,080	1,620	1,450	830 770	3.39 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 height. 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 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 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. Copyright by KOBELCO CONSTRUCTION MACHINERY CO., LTD. No part of this catalog may be reproduced in any manner without notice.

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SK30SR/SK35SR-INDIA-101-19040001

# KOBELCO

SK30SR-6/SK35SR-6

### ■ Bucket Capacity:

0.12 m<sup>3</sup> ISO heaped

### ■ Engine Power:

18.1 kW/2,400 min<sup>-1</sup> (ISO 14396)

### ■ Operating Weight:

3,570 kg (cab)/3,410 kg (canopy) – SK30SR

3,950 kg (cab)/3,780 kg (canopy) – SK35SR

# SK30SR SK35SR

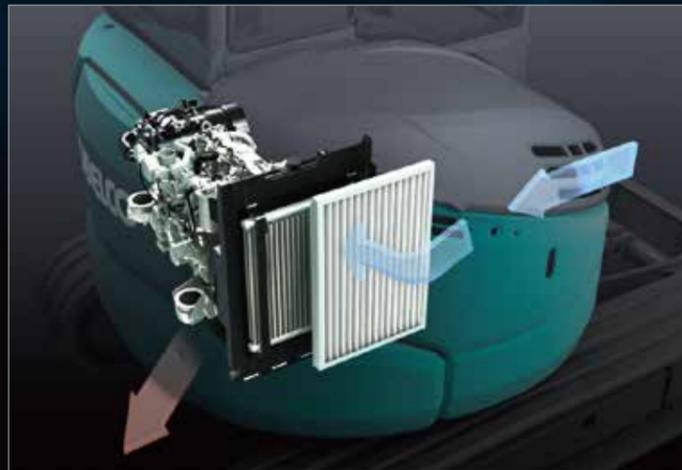


**We Save You Fuel**  
Achieving a Low-Carbon Society

Full-Size Performance, Short-Radius Agility and Quiet Operation

# COMPACT YET TOUGH MINI

The new KOBELCO SK30SR and SK35SR expand the horizons of mini excavators, and offer practical performance benefits while maintaining a short tail swing. The new Energy Conservation S-mode saves even more fuel, and Kobelco's proprietary iNDR Cooling System ensures quiet operation, protection from dust, and easy maintenance. For greater operator comfort and safety, the spacious canopy design offers plenty of room and an unobstructed view. It all adds up to a highly productive performance, short-radius agility and a low-noise environment, with exceptional performance advantages and a full range of value-added functions.

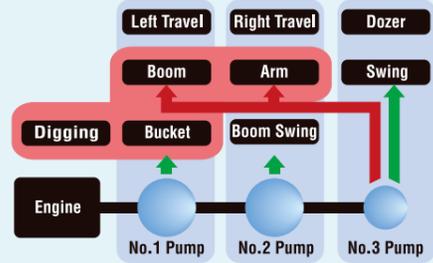


PERFORMANCE

Fuel Economy and Efficient Performance

Integrated-Flow Pump System

KOBELCO's IFPS utilizes three pumps to optimize performance, with the dozer pump providing additional digging power as needed.



Energy Conservation Mode

The SK30SR/SK35SR adapts S mode which enables further less fuel consumption compared with H mode.

Further less fuel consumption



Wide Working Range

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

Max. Digging Reach:  
**5,200 mm (SK30SR)**  
**5,350 mm (SK35SR)**



Automatic Two-Speed Travel

Two-speed travel function automatically shifts into Low Mode when a load is applied.

Travel Switch

The travel lever is fitted with the travel switch for easy switching to H-Mode travel.



Dozer-Blade Shape

KOBELCO's unique blade design solves this problem by forming the earth into an arc that always falls forward.



Short Tail Swing

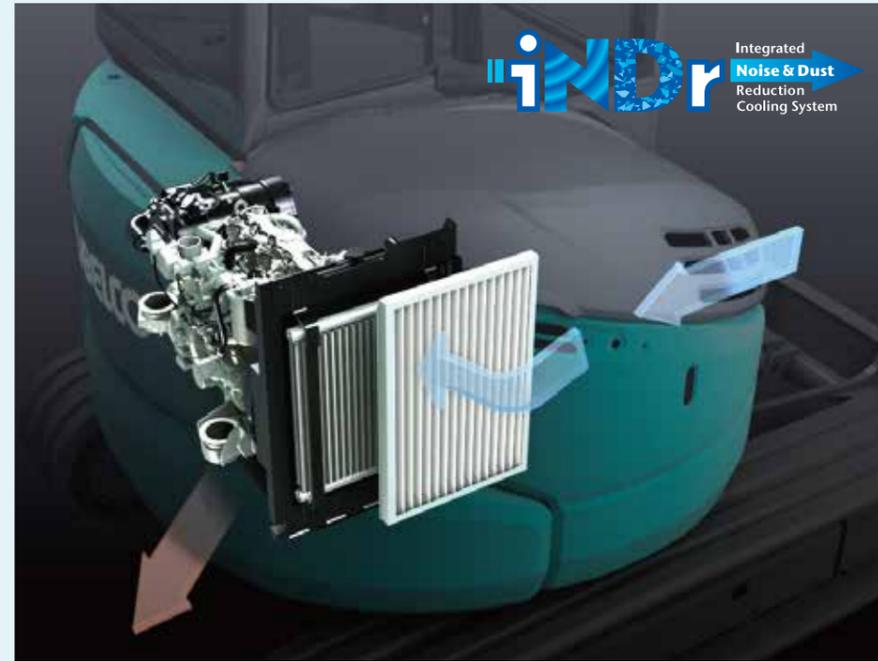
The compact tail swing improves operating efficiency in limited space.

Tail Overhang: **0 mm**



ENVIRONMENT

iNDR Cooling System



**iNDR** Integrated Noise & Dust Reduction Cooling System

Protection from Dust and Easy Maintenance

The iNDR filter fitted in front of the cooling system ensures easy cleaning. The iNDR system on the SK30SR/SK35SR features air intake at the front of the machine and air exhaust underneath.

Visual Checking and Easy Cleaning

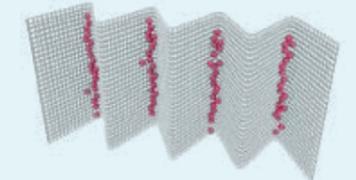
Because the iNDR filter removes dust from the intake air, cooling components stay dirt-free and do not require regular cleaning. The iNDR filter itself can be easily



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.

Comfortable Work Environment



Spacious Work Environment

Broader floor space and a greater sliding range for the seat give operators plenty of foot room. Wide operational space is provided with more room between the left and right control consoles.

Color Liquid Crystal Monitor (Optional)

The color crystal monitor is fitted as option. Operation data as well as the full range of machine-status data can readily be checked.

Operator Safety

Reliable Canopy Structure

TOPS and GUARD LEVEL 1

\*Cab specification is optional



## MAINTENANCE

# Easy Daily Maintenance

### Easy Access to Engine Compartment



High-grade fuel filter



Pre fuel filter with built-in water separator

### Easy Access to Component Under the Seat



Hour meter



Two-piece floor mats for easy washing

### Easy Access to Cooling Unit



iNDr filter



Air cleaner

## RELIABILITY

# Reliable Construction



**Bucket**  
Cast-iron idler link provide greater strength.



**Dozer**  
Box construction dozer supports provide greater strength.



**Swing bracket**  
Large, thick cast-iron swing bracket/front bracket.

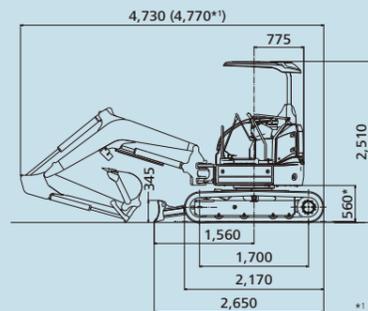
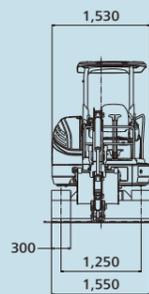
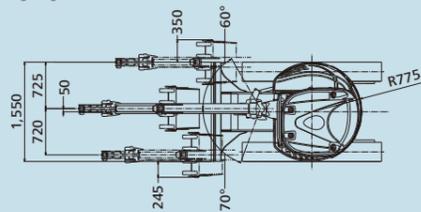


**Hydraulic piping**  
The hydraulic piping is housed inside the swing bracket.

## DIMENSIONS

### SK30SR

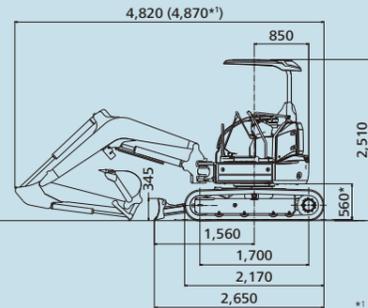
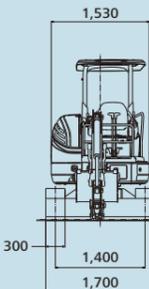
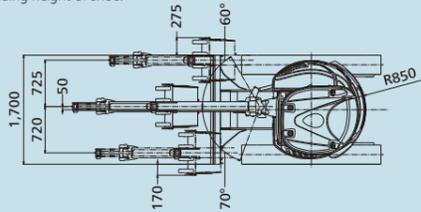
\*Without including height of shoe.



\*1 Long arm specs.

### SK35SR

\*Without including height of shoe.



\*1 Long arm specs.

## SPECIFICATIONS

### SK30SR

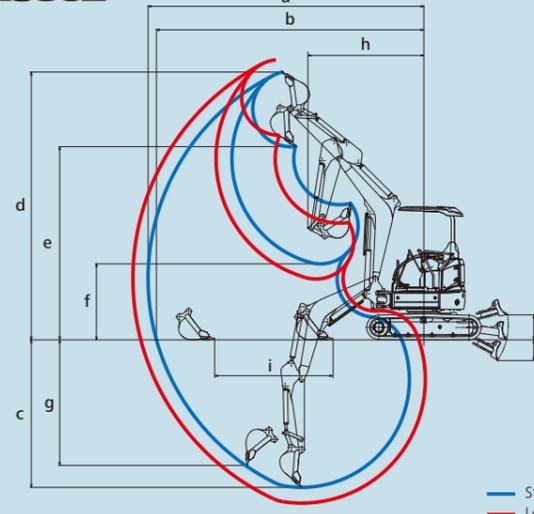
MODEL		SK30SR	
Type		SK30SR-6	
Arm		Standard arm	Long arm
Operating Weight	Cab	kg	3,500
	Canopy	kg	3,340
Bucket Capacity	m <sup>3</sup>	0.12	0.12
Bucket Width	mm	700	
Arm Length	m	1.32	1.62
Bucket Digging Force	kN	27.7	27.7
Arm Crowding Force	kN	19.1	16.5
ENGINE			
Model		YANMAR 3TNV82A-B	
Type		Water cooled, 4-cycle, 3-cylinder, direct injection, diesel engine	
Power Output (ISO 14396)	kW/min <sup>-1</sup>	18.1/2,400	
Max. Torque (ISO 14396)	N·m/min <sup>-1</sup>	79.4/1,440	
Displacement	L	1.331	
Fuel Tank	L	42.0	
HYDRAULIC SYSTEM			
Pump		Two variable displacement pumps + one gear pump	
Max. Discharge Flow	L/min	2 x 38.4, 1 x 19.2	
Relief Valve Setting	MPa	23.0	
Hydraulic Oil Tank (system)	L	20.4 (44.8)	
TRAVEL SYSTEM			
Travel Motors		2 x axial-piston, two-step motors	
Parking Brake		Oil disc brake per motor	
Travel Speed (high/low)	km/h	4.2/2.5	
Gradeability	% (degree)	58 (30)	
Drawbar Pulling Force	Cab	kN	39.6
	Canopy	kN	39.7
CRAWLER			
Shoe		Steel shoe	
Ground Pressure	Cab	kPa	31.3
	Canopy	kPa	29.9
			31.5
			30.1
SWING SYSTEM			
Swing Motor		Axial piston motor	
Parking Brake		Oil disc brake	
Swing Speed	min <sup>-1</sup>	8.4	
SIDE DIGGING MECHANISM			
Type		Boom swing	

### SK35SR

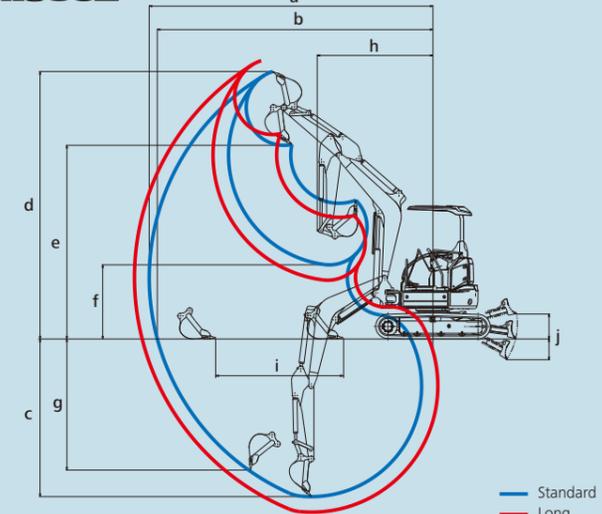
MODEL		SK35SR	
Type		SK35SR-6	
Arm		Standard arm	Long arm
Operating Weight	Cab	kg	3,870
	Canopy	kg	3,710
Bucket Capacity	m <sup>3</sup>	0.12	0.12
Bucket Width	mm	700	
Arm Length	m	1.37	1.67
Bucket Digging Force	kN	27.8	27.8
Arm Crowding Force	kN	22.4	19.5
ENGINE			
Model		YANMAR 3TNV82A-B	
Type		Water cooled, 4-cycle, 3-cylinder, direct injection, diesel engine	
Power Output (ISO 14396)	kW/min <sup>-1</sup>	18.1/2,400	
Max. Torque (ISO 14396)	N·m/min <sup>-1</sup>	79.4/1,440	
Displacement	L	1.331	
Fuel Tank	L	42.0	
HYDRAULIC SYSTEM			
Pump		Two variable displacement pumps + one gear pump	
Max. Discharge Flow	L/min	2 x 38.4, 1 x 19.2	
Relief Valve Setting	MPa	23.0	
Hydraulic Oil Tank (system)	L	20.4 (44.8)	
TRAVEL SYSTEM			
Travel Motors		2 x axial-piston, two-step motors	
Parking Brake		Oil disc brake per motor	
Travel Speed (high/low)	km/h	4.2/2.5	
Gradeability	% (degree)	58 (30)	
Drawbar Pulling Force	Cab	kN	39.3
	Canopy	kN	39.4
CRAWLER			
Shoe		Steel shoe	
Ground Pressure	Cab	kPa	34.6
	Canopy	kPa	33.2
			34.8
			33.3
SWING SYSTEM			
Swing Motor		Axial piston motor	
Parking Brake		Oil disc brake	
Swing Speed	min <sup>-1</sup>	8.4	
SIDE DIGGING MECHANISM			
Type		Boom swing	

## WORKING RANGES

### SK30SR



### SK35SR



Arm length	Canopy		Cab	
	STD 1.32 m	Long 1.62 m	STD 1.32 m	Long 1.62 m
a-Max. digging reach	5,200	5,490	5,200	5,490
b-Max. digging reach at ground level	5,040	5,340	5,040	5,340
c-Max. digging depth	2,800	3,080	2,820	3,130
d-Max. digging height	5,050	5,280	4,800	5,000
e-Max. dumping clearance	3,640	3,860	3,420	3,600
f-Min. dumping clearance	1,430	1,140	1,300	995
g-Max. vertical wall digging depth	2,370	2,840	2,360	2,860
h-Min. swing radius	2,190	2,270	2,300	2,340
at boom swing (left side)	1,810	1,880	1,910	1,950
i-Horizontal digging stroke at ground level	2,230	2,640	2,230	2,640
j-Dozer blade (height/depth)	470/400		470/400	

Arm length	Canopy		Cab	
	STD 1.37 m	Long 1.67 m	STD 1.37 m	Long 1.67 m
a-Max. digging reach	5,350	5,640	5,350	5,640
b-Max. digging reach at ground level	5,200	5,490	5,200	5,490
c-Max. digging depth	2,970	3,270	3,050	3,350
d-Max. digging height	5,040	5,240	4,870	5,050
e-Max. dumping clearance	3,650	3,850	3,490	3,670
f-Min. dumping clearance	1,400	1,100	1,310	1,010
g-Max. vertical wall digging depth	2,470	2,760	2,470	2,760
h-Min. swing radius	2,150	2,220	2,320	2,330
at boom swing (left side)	1,810	1,840	1,930	1,940
i-Horizontal digging stroke at ground level	2,400	2,860	2,400	2,860
j-Dozer blade (height/depth)	470/400		470/400	