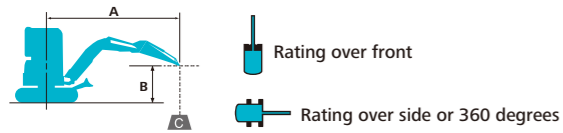


# LIFTING CAPACITIES



A: Reach from swing centerline to arm top  
 B: Arm top height above/below ground  
 C: Lifting capacities in kilograms  
 Bucket: Without bucket Dozer blade: up  
 Relief valve setting: 23.0 MPa

SK28SR Cab		Standard Arm, Bucket: without Standard weight Shoe: 300 mm						
		A		At Max. Reach		Radius		
		1.0 m	2.0 m	3.0 m	4.0 m			
3.0 m	kg			*620	520	500	390	3.51 m
2.0 m	kg		*1,140	970	640	500	310	4.00 m
1.0 m	kg				590	460	380	4.12 m
G. L.	kg		1,110	810	570	440		3.92 m
-1.0 m	kg	*2,070	*2,070	1,130	830	570	440	3.32 m

SK28SR Cab		Long Arm, Bucket: without Standard weight Shoe: 300 mm						
		A		At Max. Reach		Radius		
		1.0 m	2.0 m	3.0 m	4.0 m			
3.0 m	kg					420	330	3.85 m
2.0 m	kg					340	270	4.29 m
1.0 m	kg					320	240	4.40 m
G. L.	kg			1,060	770	550	420	4.22 m
-1.0 m	kg	*1,650	*1,650	1,070	770	540	410	3.68 m
-2.0 m	kg			1,130	830			2.47 m

SK30SR Cab		Standard Arm, Bucket: without Standard weight Shoe: 300 mm						
		A		At Max. Reach		Radius		
		1.0 m	2.0 m	3.0 m	4.0 m			
4.0 m	kg					760	610	3.08 m
3.0 m	kg					500	390	3.97 m
2.0 m	kg					410	330	4.38 m
1.0 m	kg					390	300	4.48 m
G. L.	kg			1,300	950	680	520	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	*650	*650	2.60 m

SK30SR Cab		Long Arm, Bucket: without Standard weight Shoe: 300 mm						
		A		At Max. Reach		Radius		
		1.0 m	2.0 m	3.0 m	4.0 m			
4.0 m	kg					610	490	3.52 m
3.0 m	kg					430	340	4.30 m
2.0 m	kg					370	290	4.68 m
1.0 m	kg					350	270	4.77 m
G. L.	kg			1,280	930	670	510	4.60 m
-1.0 m	kg	*1,660	*1,660	1,290	940	660	500	4.12 m
-2.0 m	kg			1,340	980	690	530	3.14 m

SK35SR Cab		Standard Arm, Bucket: without Standard weight Shoe: 300 mm						
		A		At Max. Reach		Radius		
		1.0 m	2.0 m	3.0 m	4.0 m			
4.0 m	kg					*730	*730	3.32 m
3.0 m	kg					570	530	4.15 m
2.0 m	kg					480	450	4.54 m
1.0 m	kg					460	430	4.63 m
G. L.	kg			1,590	1,420	830	760	4.45 m
-1.0 m	kg	*2,290	*2,290	1,610	1,440	830	760	3.95 m
-2.0 m	kg			*1,330	*1,330			2.90 m

SK35SR Cab		Long Arm, Bucket: without Standard weight Shoe: 300 mm						
		A		At Max. Reach		Radius		
		1.0 m	2.0 m	3.0 m	4.0 m			
4.0 m	kg					*640	630	3.74 m
3.0 m	kg					590	570	4.47 m
2.0 m	kg					550	530	4.83 m
1.0 m	kg					530	510	4.92 m
G. L.	kg			1,570	1,400	820	760	4.75 m
-1.0 m	kg	*1,870	*1,870	1,580	1,410	810	750	4.29 m
-2.0 m	kg	*3,080	*3,080	1,620	1,450	840	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 heights. Weight of all accessories must be deducted from the above lift capacities.
  - Lift capacities are based on machine standing on level, firm, and uniform ground. User must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, experience of personnel, etc.
  - Arm top defined as lift point.

SK28SR Canopy		Standard Arm, Bucket: without Standard weight Shoe: 300 mm						
		A		At Max. Reach		Radius		
		1.0 m	2.0 m	3.0 m	4.0 m			
3.0 m	kg			*620	490	460	370	3.51 m
2.0 m	kg			*1,140	920	590	470	4.00 m
1.0 m	kg					550	430	4.12 m
G. L.	kg			1,030	760	530	410	3.92 m
-1.0 m	kg	*2,070	*2,070	1,050	780	530	410	3.32 m

SK28SR Canopy		Long Arm, Bucket: without Standard weight Shoe: 300 mm						
		A		At Max. Reach		Radius		
		1.0 m	2.0 m	3.0 m	4.0 m			
3.0 m	kg					400	310	3.85 m
2.0 m	kg					320	250	4.29 m
1.0 m	kg					290	230	4.40 m
G. L.	kg			980	710	510	390	4.22 m
-1.0 m	kg	*1,650	*1,650	990	720	500	380	3.68 m
-2.0 m	kg			1,050	770			2.47 m

SK30SR Canopy		Standard Arm, Bucket: without Standard weight Shoe: 300 mm						
		A		At Max. Reach		Radius		
		1.0 m	2.0 m	3.0 m	4.0 m			
4.0 m	kg					760	610	3.08 m
3.0 m	kg					500	390	3.97 m
2.0 m	kg					410	330	4.38 m
1.0 m	kg					390	300	4.48 m
G. L.	kg			1,230	890	640	490	4.29 m
-1.0 m	kg	*2,050	*2,050	1,250	910	640	490	3.77 m
-2.0 m	kg			*970	970	*650	*650	2.60 m

SK30SR Canopy		Long Arm, Bucket: without Standard weight Shoe: 300 mm						
		A		At Max. Reach		Radius		
		1.0 m	2.0 m	3.0 m	4.0 m			
4.0 m	kg					580	460	3.52 m
3.0 m	kg					410	320	4.30 m
2.0 m	kg					350	270	4.68 m
1.0 m	kg					330	250	4.77 m
G. L.	kg			1,210	880	630	480	4.60 m
-1.0 m	kg	*1,660	*1,660	1,220	890	620	470	4.12 m
-2.0 m	kg			1,270	930	650	500	3.14 m

SK35SR Canopy		Standard Arm, Bucket: without Standard weight Shoe: 300 mm						
		A		At Max. Reach		Radius		
		1.0 m	2.0 m	3.0 m	4.0 m			
4.0 m	kg					*730	*730	3.32 m
3.0 m	kg					580	540	4.15 m
2.0 m	kg					480	460	4.54 m
1.0 m	kg					460	430	4.63 m
G. L.	kg			1,510	1,360	790	730	4.45 m
-1.0 m	kg	*2,290	*2,290	1,530	1,370	790	730	3.95 m
-2.0 m	kg			*1,330	*1,330			2.90 m

SK35SR Canopy		Long Arm, Bucket: without Standard weight Shoe: 300 mm						
		A		At Max. Reach		Radius		
		1.0 m	2.0 m	3.0 m	4.0 m			
4.0 m	kg					630	600	3.74 m
3.0 m	kg					590	550	4.47 m
2.0 m	kg					570	530	4.83 m
1.0 m	kg					530	500	4.92 m
G. L.	kg			1,490	1,340	780	720	4.75 m
-1.0 m	kg	*1,870	*1,870	1,500	1,350	750	710	4.29 m
-2.0 m	kg	*3,080	*3,080	1,550	1,390	800	740	3.39 m

- The above lifting capacities are in compliance with ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Lifting capacities marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.
- Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine. Rules for safe operation of equipment should be adhered to at all times.
- Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

Note: This catalog may contain attachments and optional equipment that are not available in your area. And it may contain photographs of machines with specifications that differ from those of machines sold in your 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.

## KOBELCO CONSTRUCTION MACHINERY CO., LTD.

5-5-15 kitashinagawa, Shinagawa-ku, Tokyo 141-8626 JAPAN  
 Tel: +81 (0) 3-5789-2146 Fax: +81 (0) 3-5789-2135  
[www.kobelco-kenki.co.jp/english\\_index.html](http://www.kobelco-kenki.co.jp/english_index.html)

Inquiries To:

SK28SR/SK30SR/SK35SR-EU-101-160101 IF

# KOBELCO

SK28SR-6/SK30SR-6/SK35SR-6

## SK28SR SK30SR SK35SR

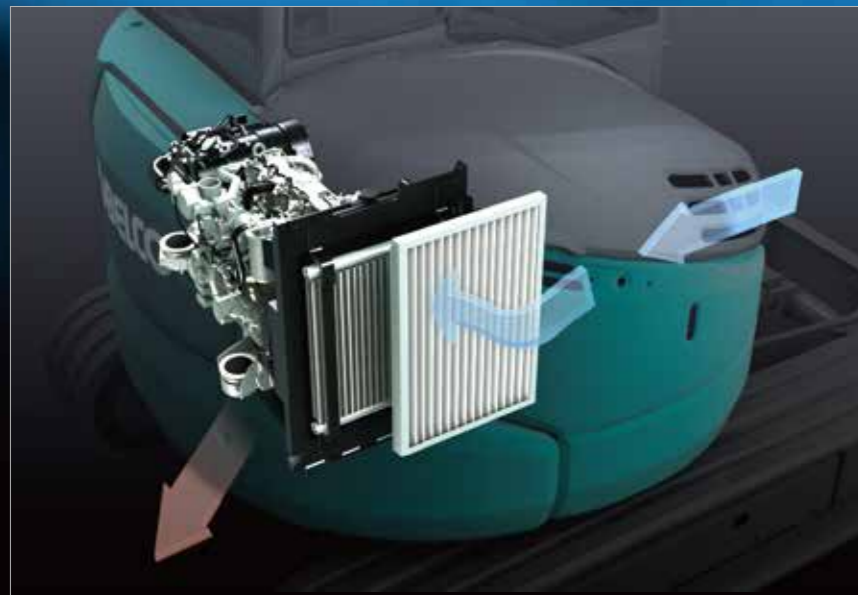


**We Save You Fuel**  
 Achieving a Low-Carbon Society

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

# COMPACT YET TOUGH MINI

The new KOBELCO SK28SR, SK30SR and SK35SR expand the horizons of mini excavators, and offer practical performance features 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 spacious 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.



ENVIRONMENT

# 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 SR Series mini excavators 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.

### Ultimate Low Noise

KOBELCO's exclusive iNDr Cooling System delivers amazingly quiet operation.

Sound Power Level



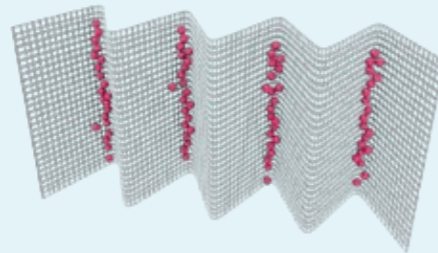
### Visual Checking and Easy Cleaning

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

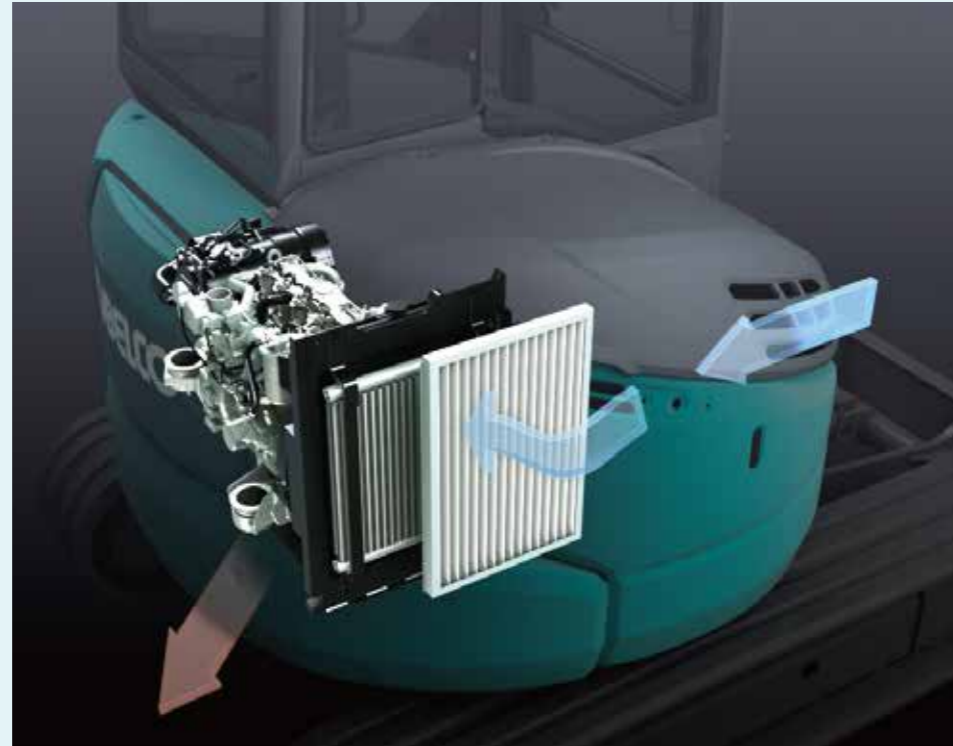
The stainless-steel filter is extremely effective against dust, with 30-mesh wave-type screen that removes tiny dust particles from the intake air.



•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.

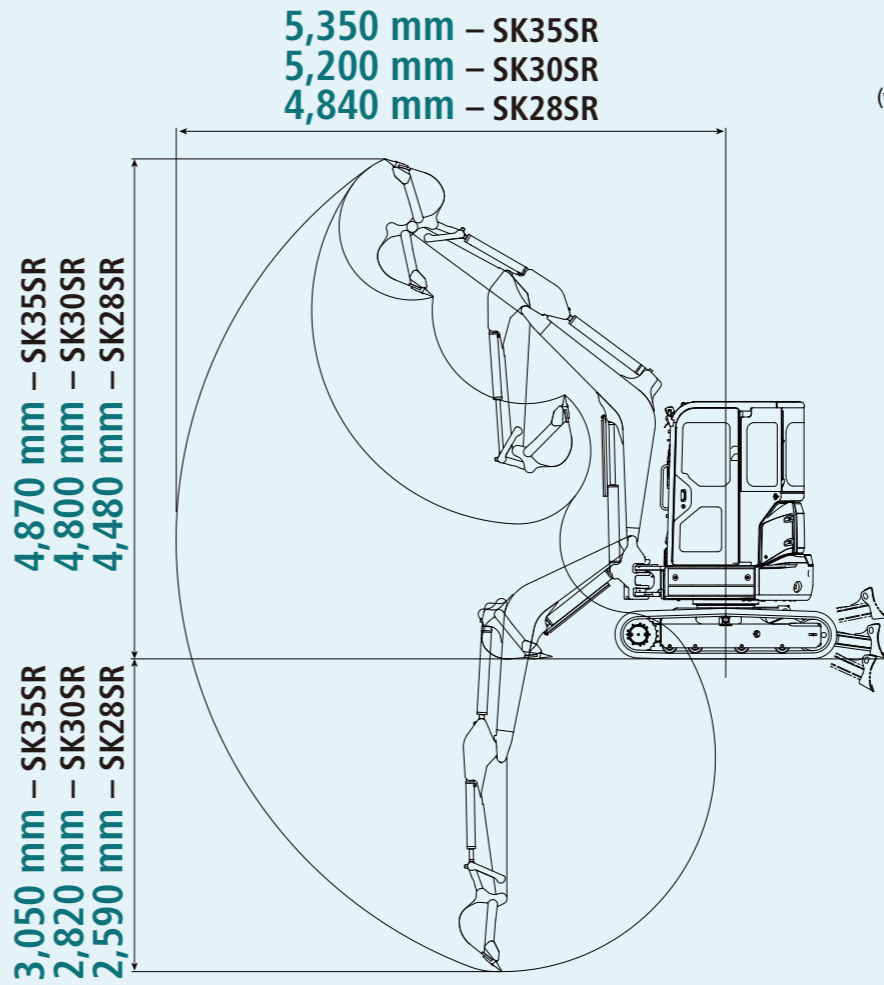


PERFORMANCE

# Compact, yet, Big Performance

### Wide Working Range

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



### Short Tail Swing

The compact tail swing improves operating efficiency in limited space.

Tail overhang:  
0 mm  
(without rear view mirror)



### Easy Transportability

With an overall height of 2,510 mm, the machine is designed for easy transport.



### Easy Hydraulic Piping for Quick Hitch (Option)

Piping for quick Hitch is useful for changing attachment.



## Fuel Economy and Digging Power

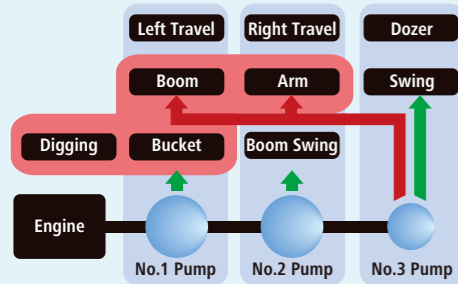
### Solid Digging Performance

#### Assured Pump Flow and Pump Pressure

Pump flow of 38.4 L/min for SK30SR and SK35SR and 28.8 L/min for SK28SR, and pressure of 23.0 MPa (relief valve setting), maintain ample power.

#### 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.



#### Energy Conservation Mode

The machine equipped with S mode, which lowers fuel consumption by up to 25 % over previous models.



#### 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



### 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.

## 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.



#### Easy Access to Engine Compartment



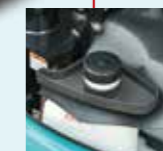
High-grade fuel filter



Pre fuel filter with built-in water separator



Air cleaner



Fuel tank

#### Easy Access to Cooling Unit

iNDR filter



COMFORT

## Comfortable Work Environment

### Spacious Work Environment

The spacious cab provides 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.



### Sliding Door

Sliding door makes cab entry and exit easier where space is tight.



### Reclining Suspension Seat

Suspension seat reclines to allow operator to optimize operating position and sit comfortably.



### Skylight



### Control Lever

Precise proportional controls (optional) are integrated into the joystick for ease of operation.



### Color Multi Display (Option)

Operation data as well as the full range of machine-status data can readily be checked.



Maintenance Working hours

## Comfortable Operating Environment

### Opening Right Window

Rear window to the right can be opened to improve ventilation.



### Climate Control

The climate control system is located down and to the right of the seat keeping the rear view clear.



### Opening/Closing Front Window

The front window features gas damper cylinders for smooth and easy opening and closing.



### Coat Hook



### Room Light



### Two-Speaker FM/AM Radio with Station Select

### Bluetooth Installed Radio



Bluetooth installed to allow connections with iPhones and other devices.

### 12V Power Source

Power for various purposes



### USB Port

USB port can be used to play music etc.



## Operator Safety

### Reliable Cab/Canopy Structure

The high-strength cab/canopy meets ROPS and TOP GUARD LEVEL 1 standards for greater operator safety.



### Rear View Mirrors

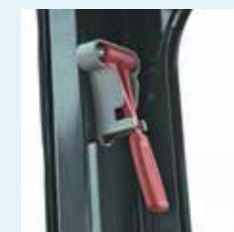


### Bracket for Yellow Rotating Light

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



### Hammer for Emergency Exit



### 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.

Boom cylinder guard



Forged boom top



Plate type pin



**Bolt-tightened pins**  
Bolt-tightened pins firmly lock the boom and arm to prevent the boom top from opening laterally.



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

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

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

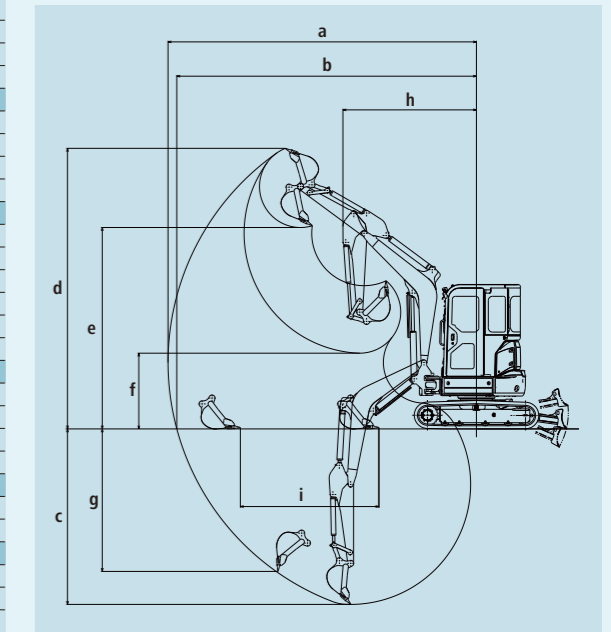
**Bucket**  
Cast-iron idler link provide greater strength.

## SPECIFICATIONS

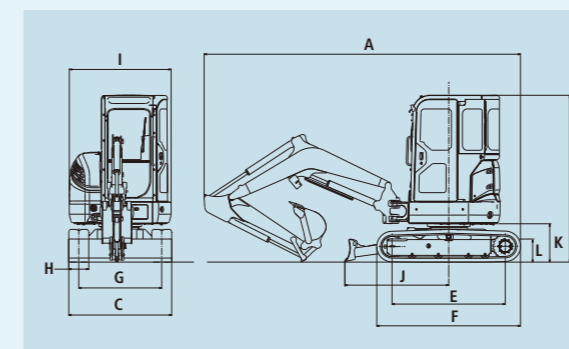
MODEL		SK28SR	SK30SR	SK35SR
Type		SK28SR-6	SK30SR-6	SK35SR-6
Machine Mass	Cab	kg	2,950	3,380
	Canopy	kg	2,800	3,220
Bucket Capacity		m <sup>3</sup>	0.08	0.09
Bucket Width (with side cutter)		mm	500	500
Arm Length		mm	1.18	1.32
Bucket Digging Force		kN	24.7	27.7
Arm Crowding Force		kN	16.6	19.1
<b>ENGINE</b>				
Model				
Type				
Water cooled, 4-cycle, 3-cylinder, direct injection, diesel engine				
Power Output	(ISO 9249)	kW/min <sup>-1</sup>	17.1/2,400	
	(ISO 14396)	kW/min <sup>-1</sup>	18.1/2,400	
Max. Torque	(ISO 9249)	N-m/min <sup>-1</sup>	77.7/1,440	
	(ISO 14396)	N-m/min <sup>-1</sup>	79.4/1,440	
Displacement		L	1.331	
Fuel Tank		L	42.0	
<b>HYDRAULIC SYSTEM</b>				
Pump				
Two variable displacement pumps + One gear pump				
Max. Discharge Flow	L/min		2 x 28.8, 1 x 16.1	2 x 38.4, 1 x 19.2
	MPa		23.0	
Relief Valve Setting				
Hydraulic Oil Tank (system)				
L		20.4 (41.1)	20.4 (44.8)	
<b>TRAVEL SYSTEM</b>				
Travel Motors				
2 x axial-piston, two-step motors				
Parking Brake				
Oil disc brake per motor				
Travel Speed (high/low)		km/h	3.8/2.1	4.4/2.5
Gradeability		% (degree)	58 (30)	
Drawbar Pulling Force	Cab	kN	34.8	38.3
	Canopy	kN	34.9	38.4
<b>CRAWLER</b>				
Shoe				
Rubber				
Shoe Width		mm	300	
Ground Pressure	Cab	kPa	26.3	30.1
	Canopy	kPa	24.9	28.7
<b>DOZER BLADE</b>				
Width x Height		mm	1,550 x 345	1,550 x 345
Working Ranges (height/depth)		mm	375/300	395/320
<b>SWING SYSTEM</b>				
Swing Motor				
Axial piston motor				
Parking Brake				
Oil disc brake, hydraulic operated automatically				
Swing Speed		min <sup>-1</sup>	8.4	

## WORKING RANGES

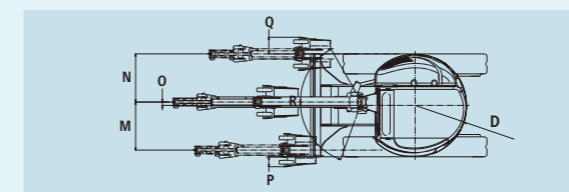
MODEL	SK28SR	SK30SR	SK35SR
Arm length	1.18 m	1.32 m	1.37 m
a- Max. digging reach	4,480	5,200	5,350
b- Max. digging reach at ground level	4,680	5,040	5,200
c- Max. digging depth	2,590	2,820	3,050
d- Max. digging height	4,480	4,800	4,870
e- Max. dumping clearance	3,090	3,420	3,490
f- Min. dumping clearance	1,290	1,300	1,310
g- Max. vertical wall digging depth	2,270	2,360	2,470
h- Min. swing radius at boom swing	2,190	2,300	2,320
i- Min. swing radius at boom swing	1,900	1,910	1,930
i- Horizontal digging stroke at ground level	1,910	2,230	2,400



## GENERAL DIMENSIONS



MODEL	SK28SR	SK30SR	SK35SR
A Overall length	4,510	4,730	4,820
B Overall height	2,510	2,510	2,510
C Overall width	1,550	1,550	1,700
D Tail swing radius	775	775	850
E Tumbler distance	1,700	1,700	1,700
F Overall length of crawler	2,160	2,160	2,160
G Track gauge	1,250	1,250	1,400
H Shoe width	300	300	300
I Overall width of upperstructure	1,530	1,530	1,530
J Distance from dozer top to center of upperstructure	1,500	1,560	1,560
K Ground clearance of rear end	570	570	570
L Ground clearance	300	300	300



MODEL	SK28SR	SK30SR	SK35SR
M Offset volume (Left)	680	720	720
N Offset volume (Right)	675	725	725
O Offset volume between center of boom and center of machine	50	50	50
P Digging volume at outside of shoe (Left)	100	150	120
Q Digging volume at outside of shoe (Right)	200	250	225
R Boom swing angle (Left/Right)	60°/55°	70°/60°	70°/60°

## OPTIONAL EQUIPMENT

- N&B (HCP\*) piping
- N&B (foot) piping + Rotating (HCP\*) piping
- N&B (HCP\*) piping + Rotating (HCP\*) piping
- Color Multi display
- Long arm (+300 mm)
- Steel shoe
- Bolt-on Pad shoes (for steel shoes)
- Add-on counterweight (250 kg) + 90 mm tail swing radius
- Boom & arm holding valve + hook
- Additional light for canopy
- Travel alarm
- Rear view mirror
- Rear under mirror
- Arm & bucket cylinder cover
- Front guard
- Piping for Quick Hitch

\*Hand Control Proportional