

**KOBELCO**

**MINI  
EXCAVATORS**

**SR Series**

**SK17SR**

Bucket capacity: 0.044 m<sup>3</sup> ISO heaped  
Engine power: 11.7 kW {15.9 PS} 2,200 min<sup>-1</sup> {rpm} (ISO14396)  
Machine mass: 1,650 kg



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

# Compactness

Smallest  
in its  
class!

**Accessible in narrow openings 1 m wide**  
**Maneuverable on tight jobsites 2 m wide**

**Crawler adjustment 990 mm ⇄ 1,320 mm**

When the crawlers are retracted, the SK17SR can access narrow openings about 1 m wide.

When extended, stable work performance is obtained. The crawler width can be changed easily using a lever.

**Ultra-small rear swing radius with zero tail overhang (when crawlers are fully extended)**

The rear swing radius is only 660 mm and the extended crawler width is 1,320 mm, allowing the counterweight to turn within the crawler width.



**Operating width with boom swung left: 1,980 mm**



The SK17SR features larger swing angles of 65 degrees left and 55 degrees right. The minimum swing radius with the boom swung left is as short as 1,320 mm, while the operating width with a 180 degree swing is only 1,980 mm. This short swing design is well suited for digging, swinging, and truck loading even within a 2 m space.



Tail overhang:

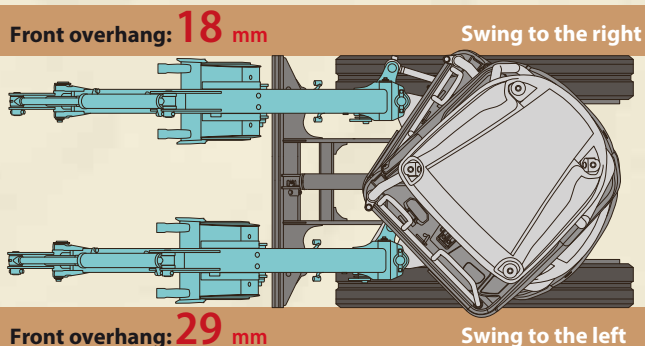
0 mm

**Can be loaded onto a 2 ton dump truck for transport without disassembly**

The compact unit can be accommodated within the truck bed. Its light weight allows for loading onto the truck together with its equipment. Lifting eyes are provided on the boom and the dozer.

**High quality digging along walls**

The swing boom enables excavation and ditch digging along walls. The cab floor's low-profile corners enable digging right next to walls.



Front overhang: 18 mm

Swing to the right

Front overhang: 29 mm

Swing to the left



Machine weight: 1,650 kg

Overall transport length: 3,420 mm

# Excellent Performance

## Performs like full-size excavators

### Faster cycle times

The fast and smooth arm movement and other improved features reduce cycle times, achieving greater hourly productivity.

### Smooth truck loading

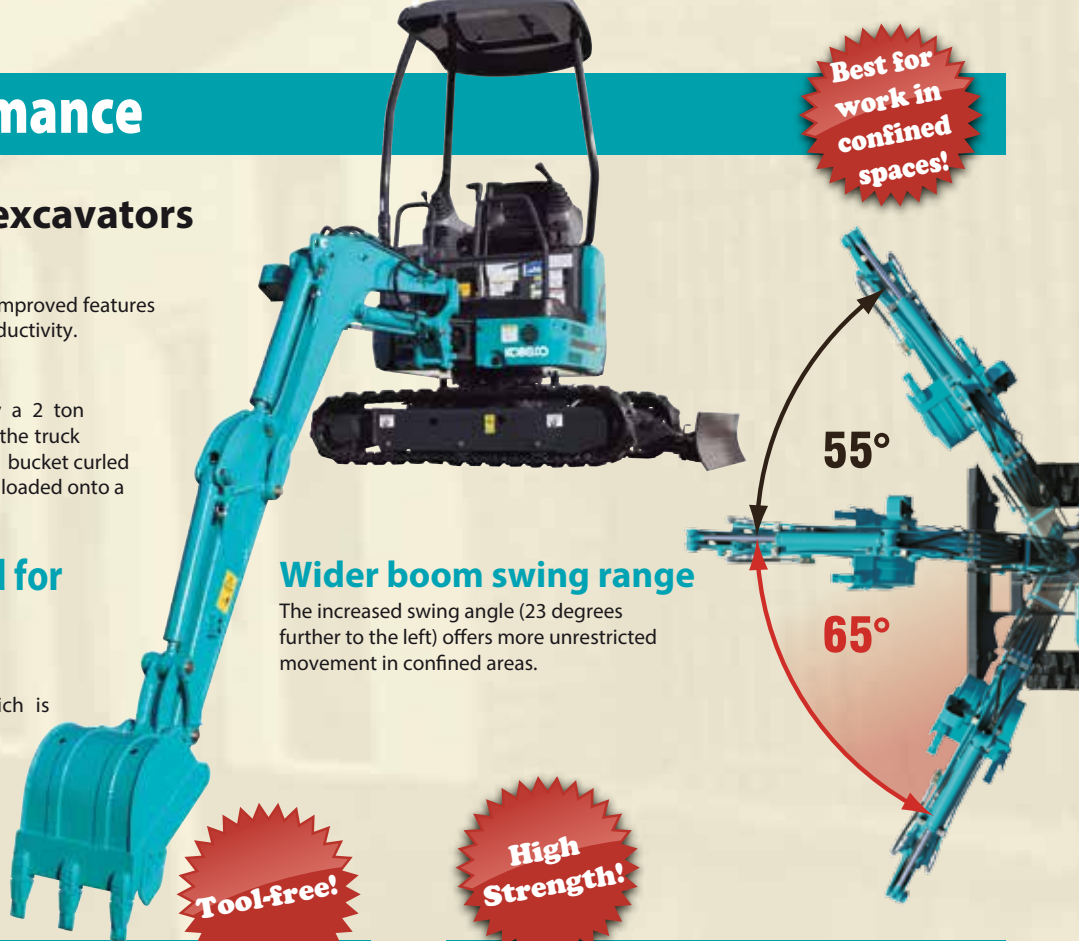
The compact unit is suitable for transport by a 2 ton dump truck. Its low transport height maximises the truck loading space. With the arm extended and the bucket curled in a horizontal position, the excavator can be loaded onto a truck without spilling soil.

### Exclusive bucket designed for increased penetration capability

The SK17SR has a round bottom bucket which is specially designed to get better penetration.

### Ideal for utility work

Maximum digging depth is 2,150 mm.



Tool-free!

High Strength!

### Wider boom swing range

The increased swing angle (23 degrees further to the left) offers more unrestricted movement in confined areas.

# Easy Maintenance

## Simple routine maintenance requires only visual checks and cleaning

### Engine compartment layout optimised for serviceability

Routine maintenance can be done by just opening the bonnet. All service points are conveniently located to ensure excellent visibility and easy access.



Detachable two piece floor mat for easy cleaning

Removable fuel tank for easy washing



All steel guard for easy repair

Three-pillar canopy for easy removal

Ergonomic gauge layout for clear visibility

Multi control located under the floor (optional)

### Prolonged refueling intervals

The SK17SR comes with a 22 liter fuel tank. Its large capacity enables continuous digging operations for 12 hours or more.\*

\* This value is an estimate based on KOBELCO standards. The continuous operating time varies depending on the operating conditions.

### Hydraulic oil change interval: 5,000 hours

Long-life hydraulic oil is used. It extends oil change intervals, reducing maintenance work and costs.

### Hydraulic oil filter with a 1,000 hours service life

The large capacity hydraulic oil filter provides higher filtration efficiency and better durability. The replacement interval has been extended to 1,000 hours.

# Exceptional Durability

## Long life and maximum structural strength are assured

### Reliable design providing long-lasting performance and quality



Three-pillar canopy compliant with ROPS and FOPS level 2



Joint dozer hoses for easy replacement



High strength, lightweight boom top



Engine oil filter with oil pan

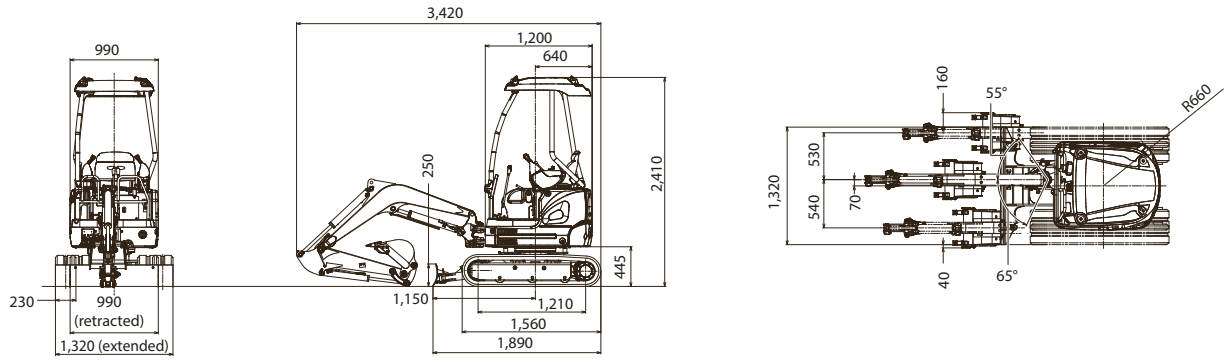


Link pin with locking pin/cast steel idler link

Photos in this catalog may include attachments and optional equipment that are not available in your areas.

# Dimensions

Unit: mm



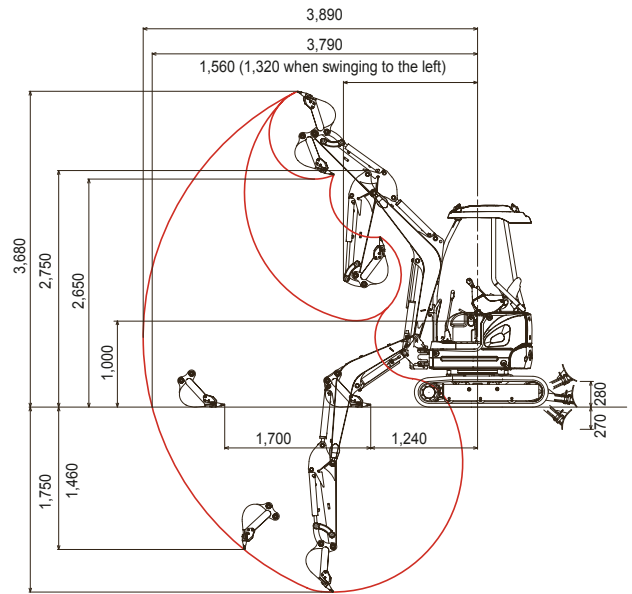
# Specifications

PERFORMANCE		
Bucket capacity	m <sup>3</sup>	0.044 ISO heaped
Travel speed	km/h	4.0/2.0
Swing speed	min <sup>-1</sup> {rpm}	8.6
Gradeability	% (*)	58 (30)
Drawbar pulling force	kN	19.9
Bucket digging force	kN	15.2
Arm crowding force	kN	10.0
WEIGHT		
Machine mass	kg	1,650
Ground pressure	kPa	27.5
ENGINE		
Model	MITSUBISHI L3E-EDL2M	
Type	Water-cooled, 4-cycle, 3-cylinder, direct injection, diesel	
Power output	kW/min <sup>-1</sup> {rpm}	11.7{15.9 PS} / 2,200 (ISO14396)* 11.3{15.3 PS} / 2,200 (ISO9249)
Max. torque	N-m/min <sup>-1</sup> {rpm}	54.2 / 1,800 (ISO14396)* 53.5 / 1,800 (ISO9249)
Displacement	ℓ	0.952
Fuel tank	ℓ	22.0
HYDRAULIC SYSTEM		
Pump	Two variable displacement pumps and one gear pump	
Max. discharge flow	ℓ/min <sup>-1</sup>	2x16.3 + 11.4
Max. discharge pressure	MPa	21.6
Hydraulic capacity	ℓ	9.0 (tank level) 15.0 (system)
DOZER BLADE		
Blade	mm	990 / 1,320 width x 250 height, 280 up, 270 down
SIDE DIGGING		
Type	Boom swing type, offset angle: 65° to the left, 55° to the right	

\*ISO14396 meets EU regulation

# Working Range

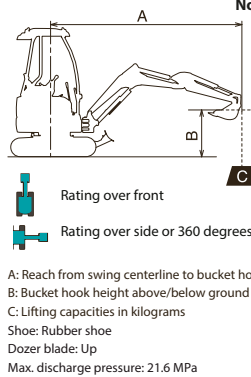
Unit: mm



Note: Red figures show the value of long arm specifications.

# Lifting Capacities

SK17SR 0,98 m Arm Bucket 0,035-0,044 m <sup>3</sup> 30-35 kg Shoe 230 mm									
A	1,0 m (3' 3")		2,0 m (6' 7")		3,0 m (9' 10")		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			
(9'10") 3.0 m	lb kg						*750 *340	*750 340	(7'3") 2.21 m
(6'7") 2.0 m	lb kg			460 210	460 210	440 200	440 200		(10'1") 3.08 m
(3'3") 1.0 m	lb kg		860 390	850 380	420 190	420 190	350 160	350 160	(11'0") 3.36 m
GROUND LEVEL	lb kg	*1,330 *600	*1,330 *600	770 350	750 340	400 180	400 180	350 160	(10'8") 3.24 m
(-3'3") -1.0 m	lb kg	*2,860 *1,290	*2,860 *1,290	770 350	770 350		490 220	490 220	(8'8") 2.65 m
(4'11") -1.5 m	lb kg			*790 *360	*790 *360		*770 *350	*770 *350	(6'8") 2.02 m



- Note:**
- 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.
  - Bucket lift hook 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 and 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.

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