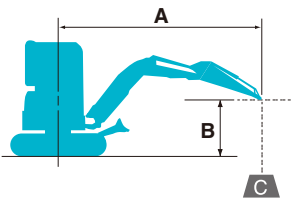


LIFTING CAPACITIES



Rating over front



Rating over side or 360 degrees

A: Reach from swing centerline to arm top  
B: Bucket hook height above/below ground  
C: Lifting capacities in kilograms  
Shoe: Rubber shoe    Dozer blade: Up  
Relief valve setting: 23.0 MPa

SK28SR Cab		Arm: 1.18 m    Bucket: without    Rubber Shoe: 300 mm										
B	A	1.0 m		2.0 m		3.0 m		4.0 m		At Max. Reach		Max. Reach
3.0 m	kg					*630	490			510	370	3.51 m
2.0 m	kg			*1,150	890	640	470	400	290	400	290	4.00 m
1.0 m	kg					600	430	390	280	370	260	4.12 m
G. L.	kg			1,110	730	570	400			390	280	3.92 m
-1.0 m	kg	*2,090	*2,090	1,130	750	580	410			500	350	3.32 m

SK28SR Canopy		Brazo: 1,18 m, Cucharón: Sin cucharón, Orugas de Goma: 300 mm										
B	A	1.0 m		2.0 m		3.0 m		4.0 m		At Max. Reach		Max. Reach
3.0 m	kg					*630	470			480	350	3.51 m
2.0 m	kg			*1,150	850	610	440	370	270	370	270	4.00 m
1.0 m	kg					560	400	360	260	340	250	4.12 m
G. L.	kg			1,040	690	540	380			360	260	3.92 m
1.0 m	kg	*2,090	*2,090	1,050	700	540	380			470	330	3.32 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.

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 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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- 22350 Merchants Way Katy, TX 77449  
Tel: 281-888-8430 Fax: 281-506-8713  
www.KOBELCO-USA.com
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- KOBELCO
- SK28SR-6
- MINI EXCAVATOR SK28SR
- 
- DRIVEN BY  
PASSION

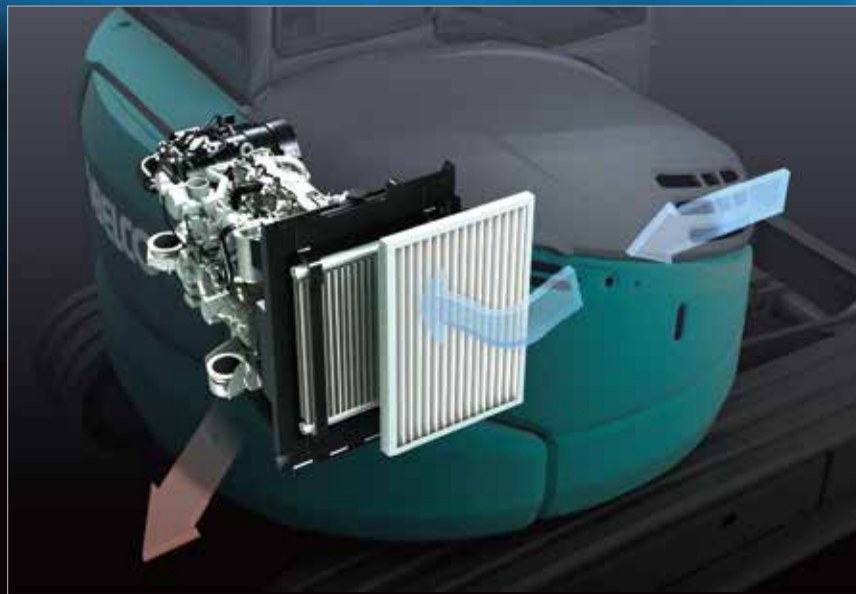
Full-Size Performance, Short-Radius Agility and Quiet Operation

# COMPACT YET TOUGH MINI

The new KOBELCO SK28SR 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.



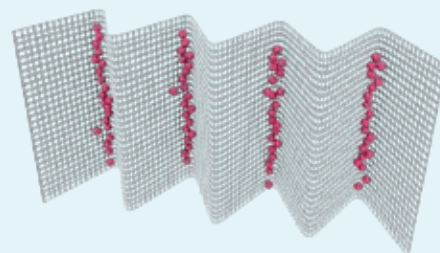
### Visual Checking and Easy Cleaning

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 inch of filter.

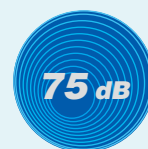
### iNDr Filter Blocks Out Dust

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.



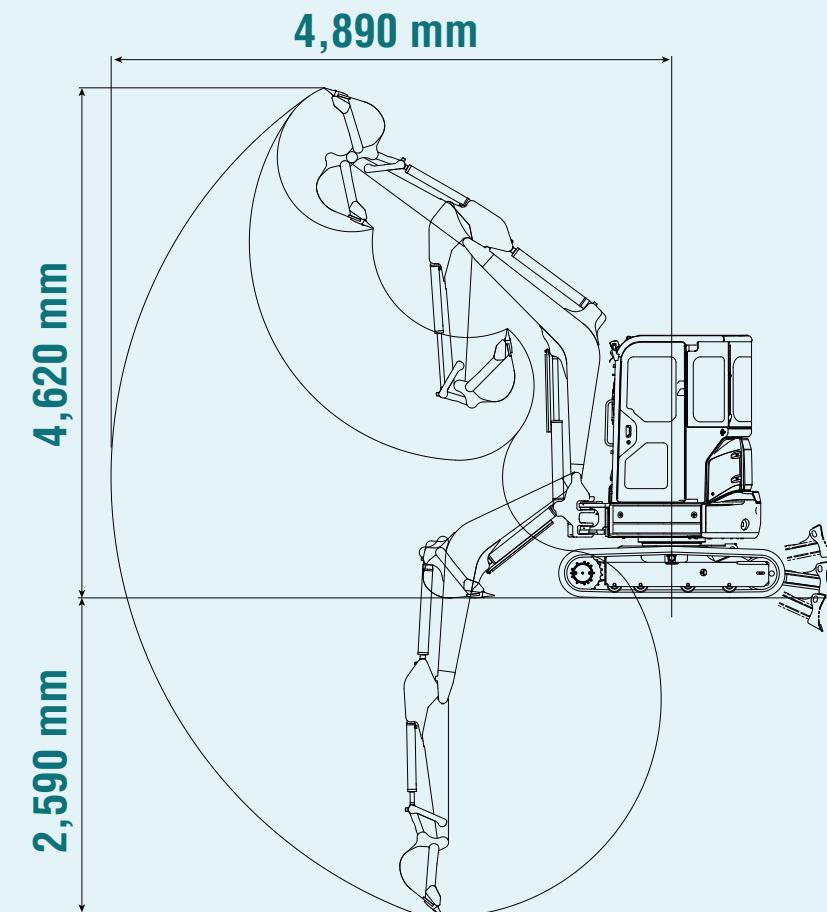
at 1 m backward from machine rearend and 1.5 m height from ground level.

## 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



### Easy Transportability

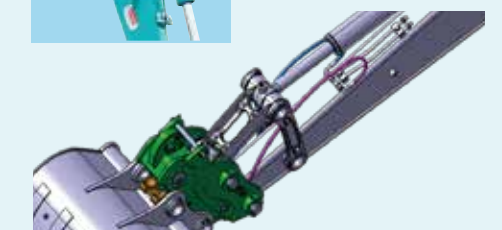
With an overall height of 2,510 mm, the machine is designed for easy transport.



### Easy Hydraulic Piping for Quick Hitch



Piping for Quick Hitch is fitted as standard.





## PERFORMANCE

### Fuel Economy and Digging Power

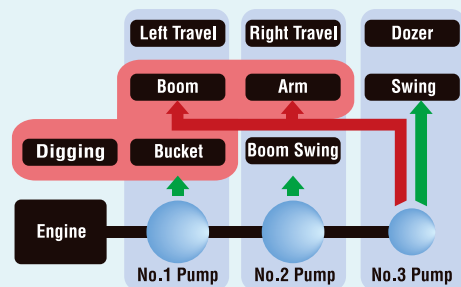
#### Solid Digging Performance

##### Assured Pump Flow and Pump Pressure

Pump flow of 28.8 L/min 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

SK28SR 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.



#### 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 work-site. 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 switching to H-Mode travel.



#### 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 Under the Seat



Two-piece floor mats for easy washing

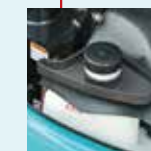


Hour meter



#### Easy Access to Cooling Unit

iNDr filter



Fuel tank

#### Easy Access to Engine Compartment



High-grade fuel filter



Pre fuel filter with built-in water separator



Air cleaner





## COMFORT

### Comfortable Work Environment



#### 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.



#### Skylight



#### Work Light

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

#### Control Lever

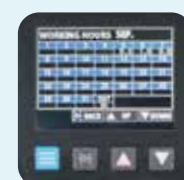


#### Color Liquid Crystal Monitor

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



Maintenance



Working hours

### Comfortable Operating Environment

#### Hammer for emergency exit



#### Climate control

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



Vents to send cooled air toward the operator if he desires.



#### 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 (optional)



### Operator Safety

#### Reliable Cab/Canopy Structure

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





RELIABILITY

Reliable Construction

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

Strong boom and arm

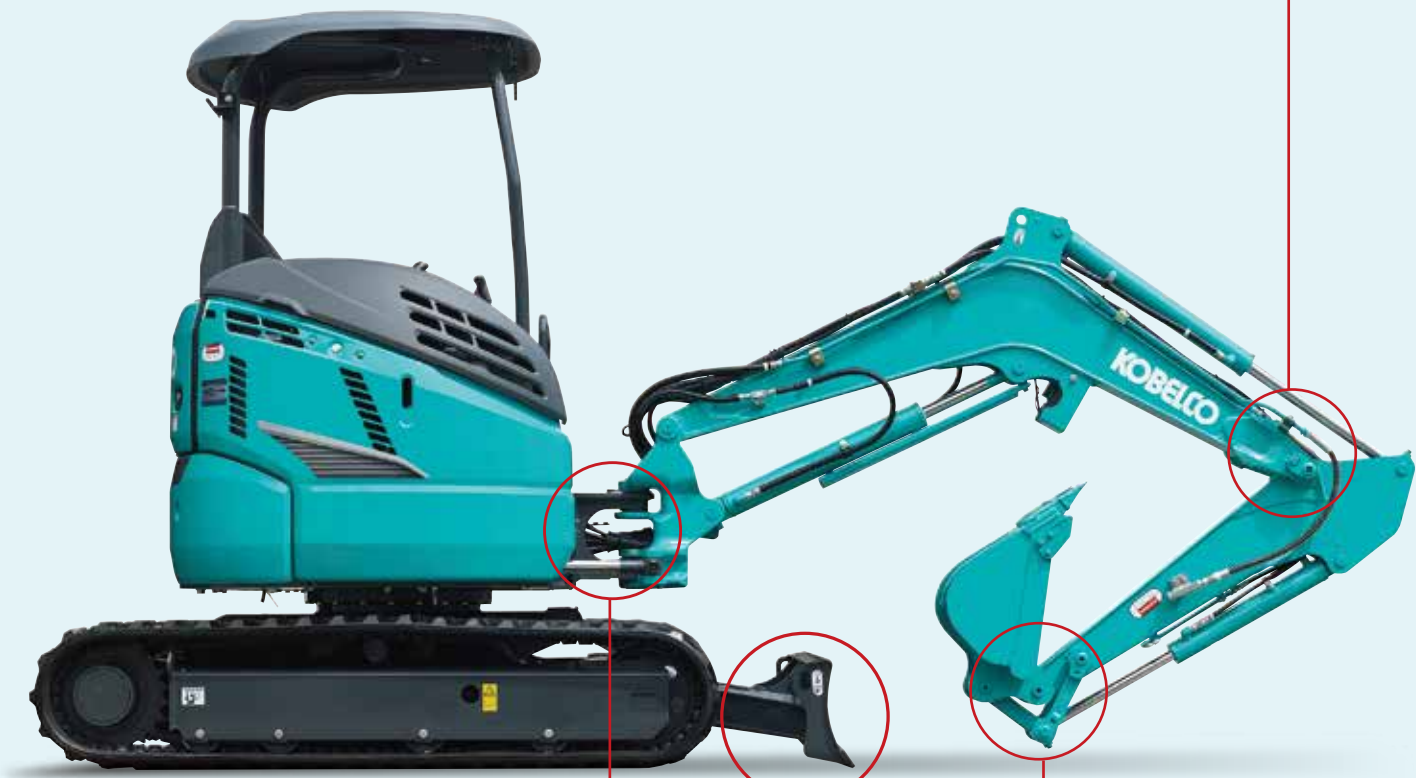
Bolt-tightened pins firmly lock the boom and arm to prevent the boom top from opening laterally.



Forged boom top



Plate type pin



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.



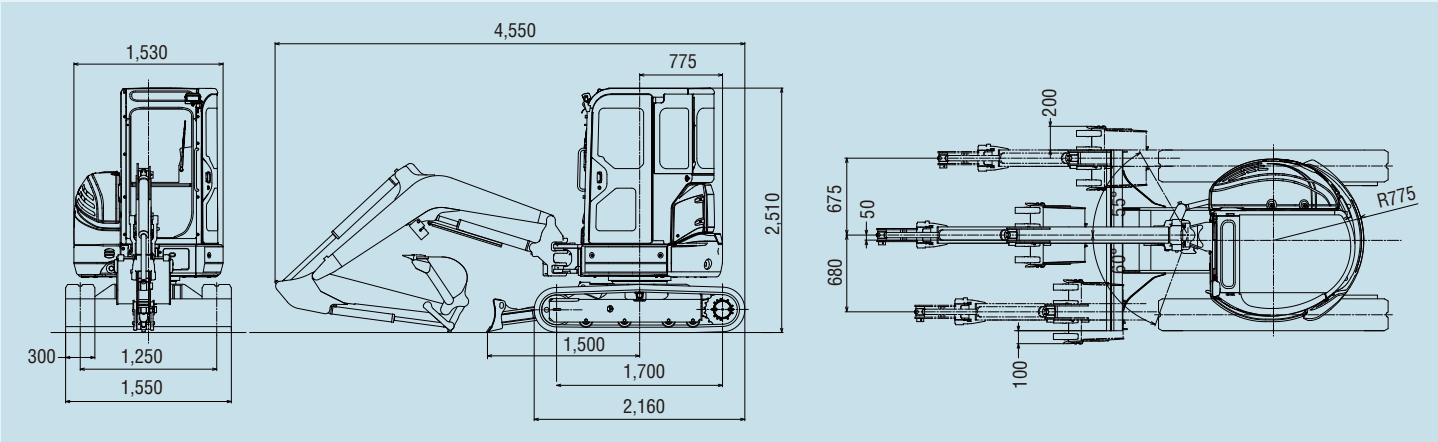
Bucket

Cast-iron idler link provide greater strength.

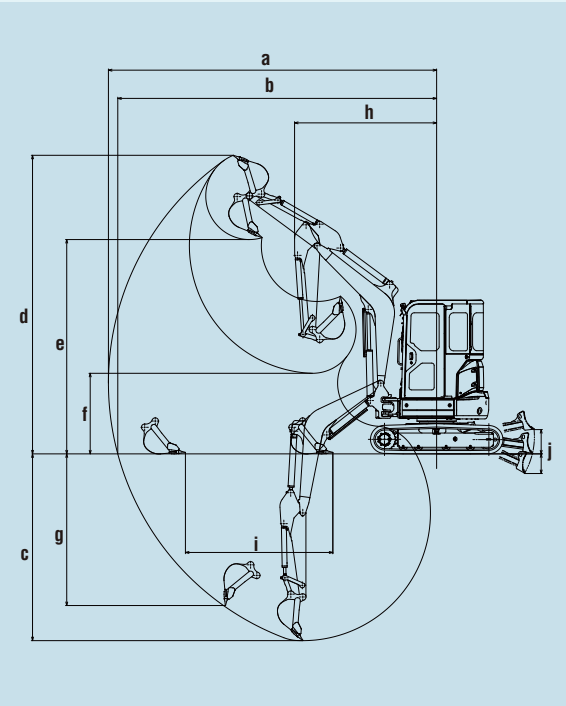
SPECIFICATIONS

MODEL				SK28SR	
Type				SK28SR-6	
Machine Mass		Cab	kg	2,950	
		Canopy	kg	2,790	
Bucket Capacity		m <sup>3</sup>		0.08	
Bucket Width (with side cutter)		mm		500	
Arm Length		m		1.18	
Bucket Digging Force		kN		24.7	
Arm Digging Force		kN		16.6	
ENGINE					
Model			YANMAR 3TNV82A-B		
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	
HYDRAULIC SYSTEM					
Pump			Two variable displacement pumps + One gear pump		
Max. Discharge Flow			L/min		2 x 28.8, 1 x 16.1
Relief Valve Setting			MPa		23.0
Hydraulic Oil Tank (system)			L		20.4 (41.1)
TRAVEL SYSTEM					
Travel Motors			2 x axial-piston		
Parking Brake			Oil disc brake per motor		
Travel Speed (high/low)			km/h		3.8/2.1
Gradeability			% (degree)		58 (30)
Drawbar Pulling Force	Cab	kN	34.8		
	Canopy	kN	34.9		
CRAWLER					
Type			Rubber		
Shoe Width			mm		300
Ground Pressure	Cab	kPa	26.3		
	Canopy	kPa	24.9		
DOZER BLADE					
Width x Height			mm 1,550 x 345		
Working Ranges (height/depth)			mm		375/300
SWING SYSTEM					
Swing Motor			Axial piston motor		
Parking Brake			Oil disc brake, hydraulic operated automatically		
Swing Speed			min <sup>-1</sup>		8.4
Tail Swing Radius			mm		775
Min. Front Swing Radius	Over the front	mm		2,330	
	At full boom swing	mm		2,040	
SIDE DIGGING MECHANISM					
Type			Boom swing		
Offset Angle	to the left	degree		60	
	to the right	degree		55	

GENERAL DIMENSIONS



WORKING RANGES



MODEL	SK28SR
Arm length	1.18 m
a- Max. digging reach	4,890
b- Max. digging reach at ground level	4,730
c- Max. digging depth	2,590
d- Max. digging height	4,620
e- Max. dumping clearance	3,210
f- Min. dumping clearance	1,330
g- Max. vertical wall digging depth	2,410
h- Min. swing radius	2,330
i- Horizontal digging stroke at ground level	1,810
j- Dozer blade (height/depth)	375/300