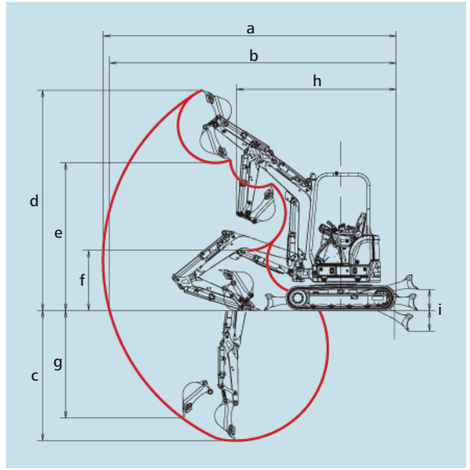
SPECIFICATIONS

MODEL			SK20SR	
Type			SK20SR-6	
PERFORMANCE				
Bucket Capacity		m^3	0.06	
Travel Speed (high/low)		km/h	4.2/2.2	
Swing Speed		min^{-1}	9.5	
Gradeability		% (degree)	47 (25)	
Traction Force		kN	21.6	23.0
Bucket Digging Force		kN	17.5(16.3)	
Arm Crowding Force		kN	13.1(12.7)	
WEIGHT				
Machine Mass		kg	2,050 (2,090)	2,110 (2,150)
Ground Pressure		kPa	25.8(26.3)	26.7(27.2)
Crawler Shoe			Rubber	Steel
ENGINE				
Model			YANMAR 3TNV76	
Type			Water cooled, 4-cycle,3-cylinder	
Power Output	(ISO 9249)	kW/min^{-1}	14.3/2,400	
	(ISO 14396)	kW/min^{-1}	14.6/2,400	
Displacement		L	1.115	
Fuel Tank		L	27.5	
HYDRAULIC SYSTEM				
Pump			Two variable displacement pumps + one gear pump	
Max. Discharge Flow		L/min	21.6 x 2 + 20.4 x 1	
Relief Valve Setting		MPa	20.6 x 2 + 16.7 x 1	
Hydraulic Oil Tank (system)		L	25.1 (39.5)	
DOZER BLADE				
Width x Height		mm	1,380 x 285	
Working Ranges (height/depth)		mm	365/360	
SIDE DIGGING MECHANISM				
Type			Boom swing	
Offset Angle	To the left	degree	46	
	To the right	degree	74	

Figures in ( ) show the value with Quick Hitch.

WORKING RANGES



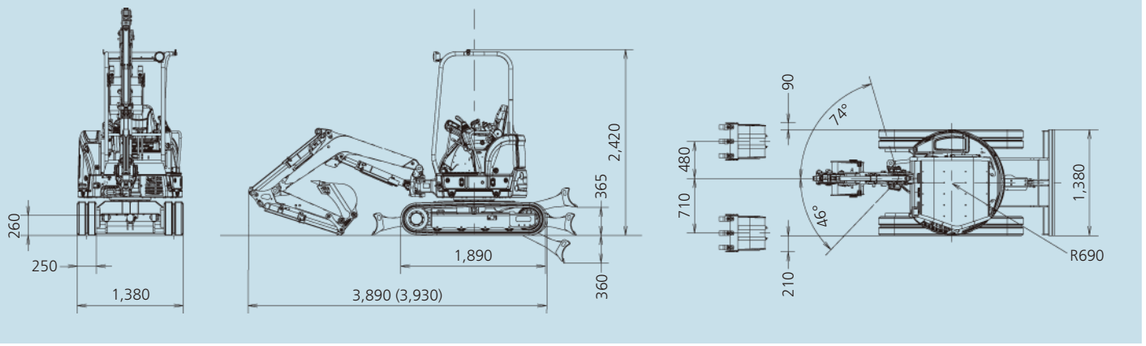
Unit: mm

MODEL		SK20SR
a	Max. digging reach	4,140 (4,290)
b	Max. digging reach at ground level	4,020 (4,180)
c	Max. digging depth	2,270 (2,410)
d	Max. digging height	3,840 (4,000)
e	Max. dumping clearance	2,570 (2,430)
f	Min. dumping clearance	1,050 (955)
g	Max. vertical wall digging depth	1,870 (1,890)
h	Min. swing radius	1,820 (2,000)
	Min. swing radius at boom swing	1,530 (1,700)
i	Dozer blade (height/depth)	365/360

Figures in ( ) show the value with Quick Hitch.

GENERAL DIMENSIONS

Unit: mm



Figures in ( ) show the value with Quick Hitch.

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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SK20SR-6-ANZ-101-181002IF

KOBELCO

SK20SR-6

MINI EXCAVATOR SK20SR

We Save You Fuel
Achieving a Low-Carbon Society

Compact, Tough Performer

Mini excavators are widely used on sites where space is restricted, such as in residential areas and industrial premises. Users want big power in a small machine, stability in operation, and rugged construction and durability to reduce downtime. The SK20SR combines a compact design with wide digging reach for efficient performance, excellent maneuverability, and tough durability to ensure an extended working life.

COMFORT

Comfortable Work Environment

Spacious Operating Zone

Changing the right-side opening layout has made it easier for the operator. Operating zone has a more relaxed, spacious feel.

All Control Switches on Right Console

Changing the right-side opening layout has made it easier for the operator. Operating zone has a more relaxed, spacious feel.

Fine adjustments simplified with dial-type engine throttle.

External power socket

Energy-Saving Functions

Newly installed ECO mode lowers engine speed and reduces fuel consumption. Auto-deceleration installed as standard. Easy-to-use switch control.

ECO mode selection switch

Auto-deceleration ON switch

Storage Compartment for Manuals

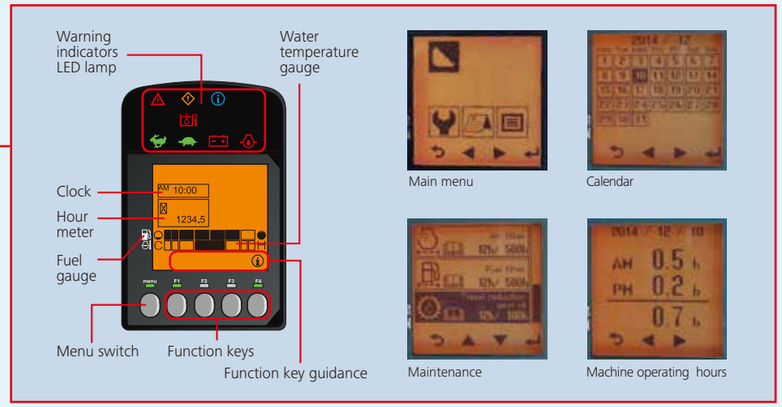
A handy compartment in the seat-back holds manuals and other documents.

Wrist Rests

Wrist rests fitted on control boxes reduce operator's fatigue.

Backlit LCD Monitor

Backlit LCD monitor is provided as standard. Operation information as well as the full range of machine status data can readily be checked.



Main menu

Calendar

Maintenance

Machine operating hours

PERFORMANCE

Compact yet Big Performance

Short Tail Swing

Side-ditch digging function combined with zero tail radius makes it easy to dig next to walls with a compact operating footprint.

Tail Overhang: **0mm**

Compact Upper Body Without Front Overhang

Requires 2.22m Working Space

Compact design allows continuous dig-180° swing-dump operations within a working space of 2.22m.

Tail swing radius: **690mm**

Min. front swing radius at boom swing: **1,530mm**

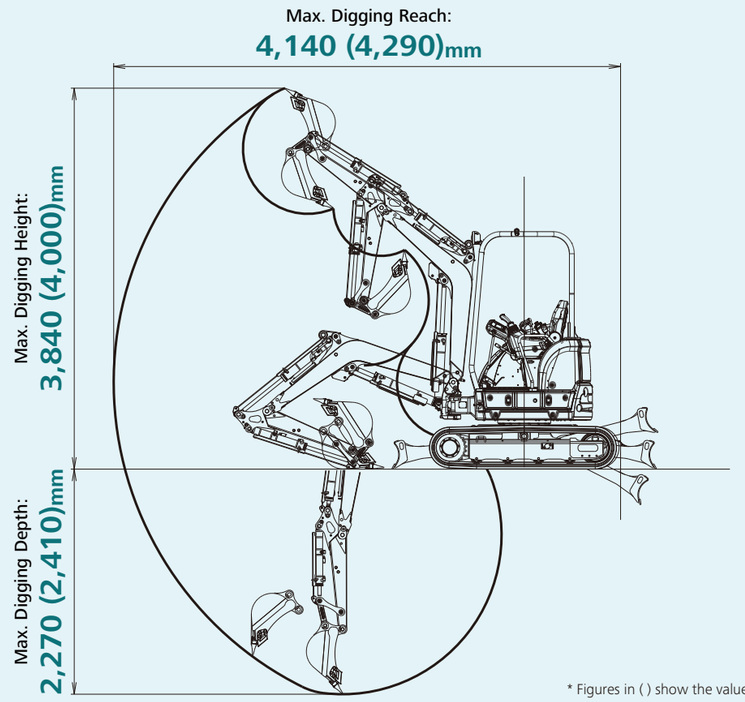
Working width: **2,220mm**

Long-Reach Dozer

Dozer arm 50mm longer than previous models. Convenient for sweeping work.

Wide Working Range

SK20SR has excellent working ranges, including top-class max. digging reach and max. digging depth.



* Figures in ( ) show the value with Quick Hitch.

Reliable Swing Power, Faster Working Speeds

Boosted swing power and top-class swing speed deliver shorter cycle times.

Swing Speed: **9.5min^{-1}**

Powerful Digging

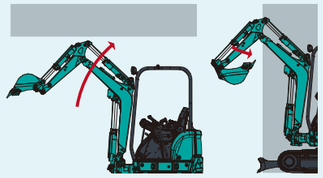
For more efficient work performance.

Max. Arm Crowding Force: **13.1kN**

Max. Bucket Digging Force: **17.5kN**

Boom Height/Arm Crowding Limiter

Boom and arm control are restricted to stay within desired ranges. Recommended for safe, efficient operation in locations with low overhangs, structural beams etc. Easy setting using LCD screen.



Boom raising　Arm crowding

Easy Hydraulic Piping for Quick Hitch

Piping for Quick Hitch fitted as standard.

Quick Hitch Control Switch

Control Pattern Changer

Control pattern changer allows for increased utilization and flexibility to match operator preference.

LED Working Lights

Bright, ultra long life LED lights installed for front working. Attachment light mounted under boom to minimize risk of damage.

RELIABILITY

Reliable Construction

High Built-in Durability Means Machine Maintains its Value

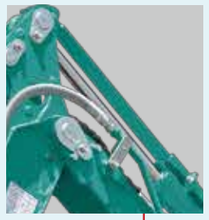
SK20SR has the durability needed in a machine that works in tight spaces.

Cylinder Rod Guard

Spring steel rod guards are standard for bucket and arm cylinders. The use of spring steel not only protects the cylinder rod, but makes the guard itself more resilient. Boom cylinder rod guard is also fitted as standard.

Boom cylinder rod guard

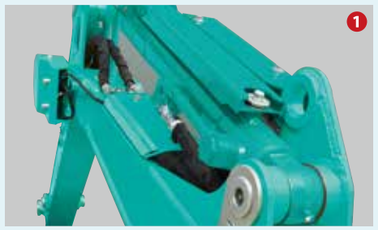
Arm cylinder rod guard



Bucket cylinder rod guard

Hydraulic Piping

To lower the risk of damage, hydraulic piping is housed inside the boom.



Dozer

Dozer cylinder rod guard protects dozer cylinder from damage.

Blade Cutting Edge

Backfill dozer blade has wear-resistant cutting edge.

Operator Safety

Reliable Canopy Structure

High-strength canopy meets ROPS and FOPS standards for greater operator safety.

Safety Lever Locks

Safety lever locks permit dismounting only when control levers are disengaged, to prevent accidental operation.

Engine stop switch

MAINTENANCE

Easy Maintenance

Maintenance Simplified with Easy Access

Easier maintenance, with a fully-opening engine hood and equipment requiring the most frequent checks positioned to be readily visible.

Easy Access to Engine Compartment

Convenient for checking/topping up engine oil, servicing air cleaner, filling up cooling water sub-tank etc.

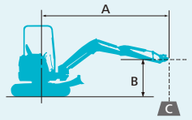
Easy Access to Cooling Unit

Bonnet has been redesigned so that right side rear cover opens at a touch.

Right Side Cover

Large side cover opens by folding up vertically, making easy work of fuel fill-ups and battery checks.

LIFTING 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: Lifting capacities in kilograms
Shoe: Rubber shoe Dozer blade: Up
Relief valve setting: 20.6 MPa

SK20SR		Bucket: Without Shoe: 250 mm						
A / B		2.0 m		2.5 m		At Max. Reach		Radius
2.0 m	kg					310	260	3.2 m
1.5 m	kg			450	390	280	240	3.4 m
1.0 m	kg	610	510	450	380	270	230	3.4 m
0.5 m	kg	590	490	430	360	270	230	3.4 m
G. L.	kg	580	480	420	350	280	240	3.3 m
-0.5 m	kg	580	470	420	350	310	260	3.1 m
-1.0 m	kg	570	460	410	340	360	300	2.7 m

Notes:
1. Do not attempt to lift or hold any load that is greater than these lifting capacities at their specified lift point radius and heights. Weight of all accessories must be deducted from the above lifting capacities.
2. Lifting 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. Lifting capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.