

KOBELCO

SK25SR-6E

SK25SR



Complies with the EU Stage V
exhaust emission regulation

We Save You Fuel
Achieving a Low-Carbon Society

Compact, Tough Performer



Mini excavators are widely used at sites where space is limited, such as residential areas and industrial operations. Users want big power in a small machine, stable operation, rugged construction and durability to reduce downtime. The SK25SR combines a compact design with efficiency, maneuverability and durability to ensure a long working life. Maintenance is easy, with the machine's running condition shown on an LCD monitor fitted as standard.

The SK25SR is a mini with big aspirations, designed and equipped for full-sized performance over an extended working life.

PERFORMANCE

Compact yet Big Performance

Reliable Swing Power, Faster Working Speed

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

Swing Speed: **10.0min⁻¹**

Powerful Digging

For more efficient work performance.

Max. Arm Crowding Force: **14.4kN**

Max. Bucket Digging Force: **23.1kN**

Auto Deceleration (Option)



If the operating levers have been in neutral for more than 4 seconds, the engine will automatically drop back to idle, which lowers noise, emissions and fuel consumption.

Backlit Liquid Crystal Monitor

The backlit liquid crystal monitor is provided as standard.

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



Warning indicators LED lamp

Water temperature gauge

Clock

Hour meter

Fuel gauge

Menu switch

Function keys

Function key guidance

Normal display

Main menu

Machine operation management

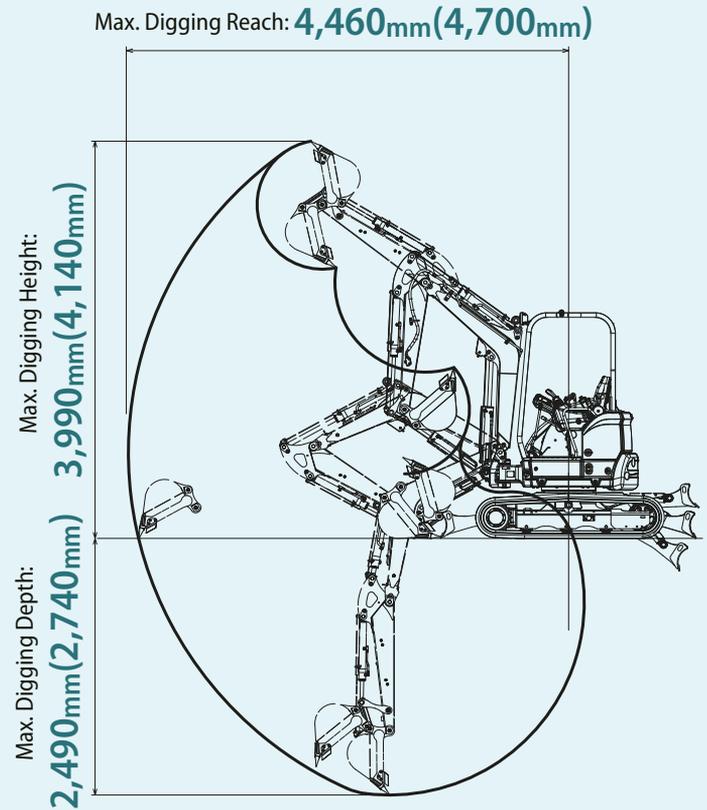
Maintenance

Machine operating hours

Language setting

Wide Working Range

The SK25SR has plenty of working ranges.



Figures in () show the value with long arm spec.

PERFORMANCE

Compact yet Big Performance

Short Tail Swing

The combination of side-ditch digging function and zero tail radius makes it easy to dig next to walls with a compact operating footprint.

Tail Overhang: **0mm**
(without rear view mirror)



Compact Upper Body Without Front Overhang



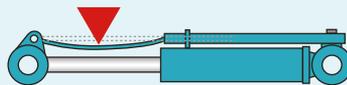
RELIABILITY

Reliable Construction

SK25SR has the durability needed in a machine that works in tight spaces.

Cylinder Rod Guard

The spring steel cylinder rod guard is standard for the bucket, boom and arm cylinder. The use of spring steel not only protects the cylinder rod, but gives resiliency to the guard itself.



Boom cylinder rod guard



Arm cylinder rod guard



Bucket cylinder rod guard



Work Light

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



Blade Cutting Edge

Backfill dozer blade has wear-resistant cutting edge.



COMFORT

Comfortable Work Environment



Broader floor space gives operators plenty of foot room. Wide operational space is provided with more room between the left and right control consoles.

Storage Compartment for Manuals

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



Wrist Rest

Wrist rests fitted on the each control lever box ensure fatigue-free operation.



Travel Pedal

The travel pedal simplifies simultaneous operations while the machine traveling.



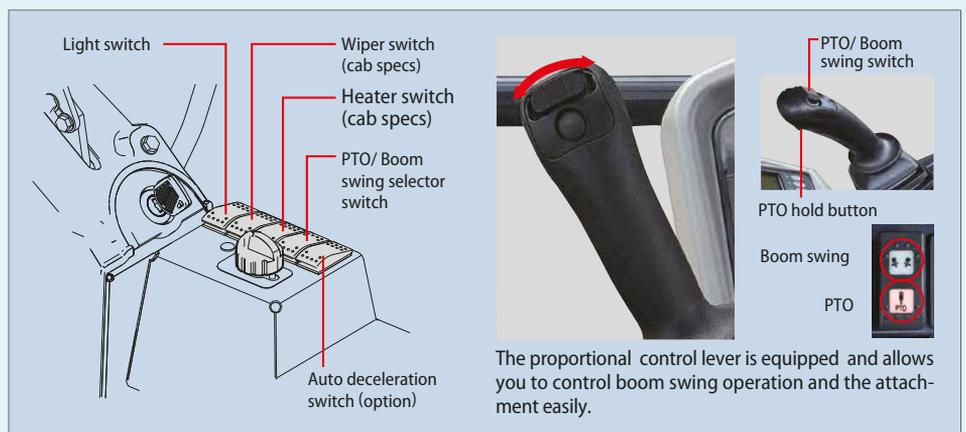
Comfortable Reclining Seat

Seat can be adjusted to match the operator's size or posture.



Easy Access to Control Panel and Levers

Centralized switches in a convenient position to allow for simple, convenient operation.



Operator Safety

Reliable Cab/Canopy Structure

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



Safety Lever Lock



Safety lever lock permits enter and exit only when the levers are disengaged to prevent accidental operation.

Travel Alarm



Travel alarm is available as an option.

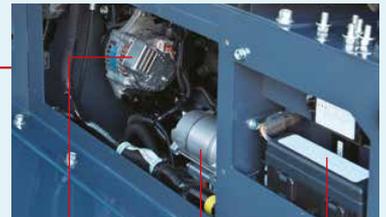
MAINTENANCE

Easy Maintenance

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



Under the Operator's Seat



Generator Starter motor Fuse box

Easy Access to Engine Compartment



Water separator Fuel filter Radiator over flow bottle Engine oil filter

Air cleaner

Right Side

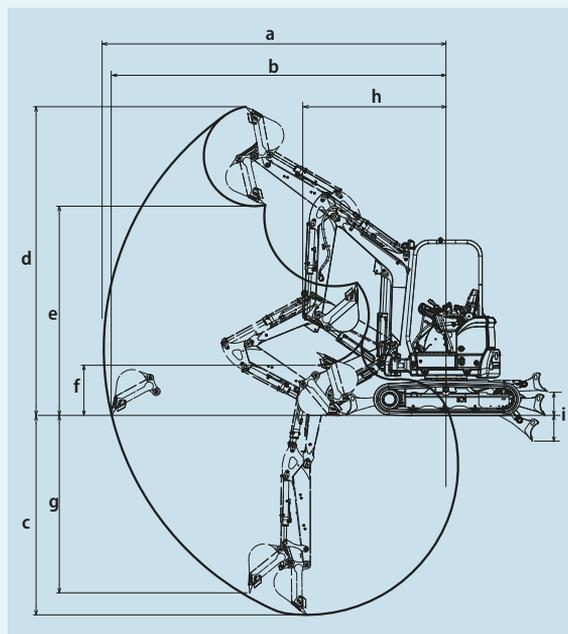


Fuel tank Hydraulic tank Battery

SPECIFICATIONS

GENERAL			
MODEL		SK25SR	
Type		SK25SR-6E	
PERFORMANCE			
Shoe Type		Rubber	Steel
Bucket Capacity		m ³	0.06
Travel Speed (high/low)		km/h	4.5/2.8
Swing Speed		min ⁻¹ {rpm}	10.0
Gradeability		% (degree)	47 (25)
Traction Force		kN	24.4
Bucket Digging Force		kN	23.1
Arm Crowding Force		kN	14.4
WEIGHT			
Machine Mass	Cab	kg	2,670
	Canopy	kg	2,565
Ground Pressure	Cab	kPa	28.4
	Canopy	kPa	27.5
ENGINE			
Model		YANMAR 3TNV76-NBVA3	
Type		Water cooled, 4-cycle, 3-cylinder	
Power Output NET	(ISO9249)	kW/min ⁻¹ {rpm}	15.2/2,500
Max. Torque NET	(ISO9249)	N-m/min ⁻¹ {rpm}	66.2/1,800
Displacement		L	1.115
Fuel Tank		L	30.5
HYDRAULIC SYSTEM			
Pump		Two variable displacement pumps + two gear pumps	
Max. Discharge Flow		L/min	2 x 30.0, 21.3, 11.3
Relief Valve Setting		MPa	2 x 20.6, 18.1, 2.9
Hydraulic Oil Tank (system)		L	25 (39)
DOZER BLADE			
Width x Height		mm	1500 x 295
Working Ranges (height/depth)		mm	340/355
SIDE DIGGING MECHANISM			
Type		Boom swing	
Offset Angle	To the left	degree	47
	To the right	degree	74

WORKING RANGES



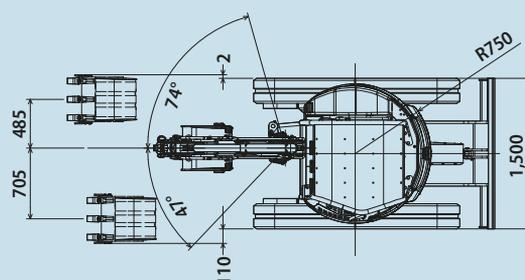
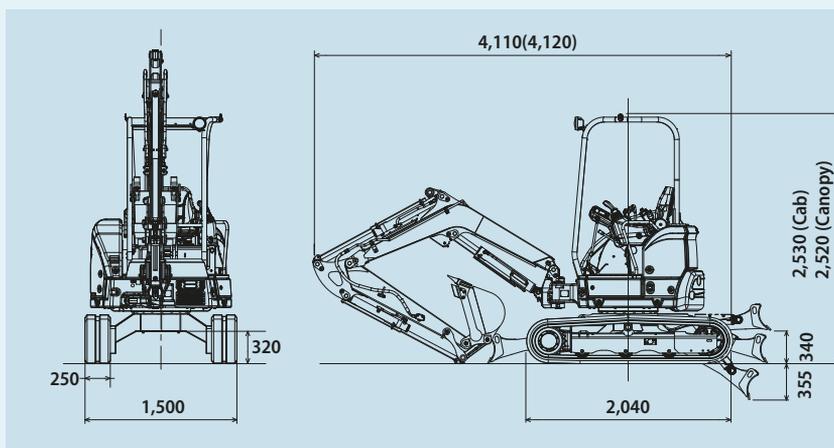
Unit: mm

MODEL	SK25SR	
Arm	Standard 1.15 m	Long 1.40 m
a- Max. digging reach	4,460	4,700
b- Max. digging reach at ground level	4,340	4,590
c- Max. digging depth	2,490	2,740
d- Max. digging height	3,990	4,140
e- Max. dumping clearance	2,830	2,985
f- Min. dumping clearance	1,000	760
g- Max. vertical wall digging depth	1,150	1,290
h- Min. swing radius	1,950	1,990
h- Min. swing radius at boom swing	1,650	1,680
i- Dozer blade (height/depth)	340/355	340/355

Figures for cab spec. and canopy spec. are the same value.

GENERAL DIMENSIONS

Unit: mm



Figures for cab spec. and canopy spec. are the same value.
Figures in () show the value with long arm spec.

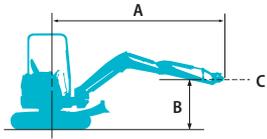
OPTIONAL EQUIPMENT

• Steel shoe • Long arm (1.40 m) • Radio (FM/AM & Bluetooth® & hands free telephone)*

*Only for Cab

Note: Bluetooth® is a registered trademark of the Bluetooth SIG Inc.

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: 20.6 Mpa (210 kgf/cm²)

SK25SR Cab		Standard Arm: 1.15 m		Bucket: Without		Rubber Shoe: 250 mm				
B	A	2.0 m		2.5 m		3.0 m		At. Max. reach		
										Radius
3.0 m	kg					*525	*525	*525	*525	3.02 m
2.5 m	kg					*495	*495	*520	400	3.38 m
2.0 m	kg			*550	*550	*525	*525	410	350	3.62 m
1.0 m	kg	1,040	830	730	600	540	450	360	310	3.81 m
G. L.	kg	910	750	650	540	500	420	370	310	3.66 m
-1.0 m	kg	880	730	640	530	490	410	450	380	3.12 m
-1.5 m	kg	*880	740	*650	540			580	500	2.61 m

SK25SR Cab		Long Arm: 1.40 m		Bucket: Without		Rubber Shoe: 250 mm				
B	A	2.0 m		2.5 m		3.0 m		At. Max. reach		
										Radius
3.0 m	kg							*450	390	3.34 m
2.5 m	kg					*460	*460	410	340	3.65 m
2.0 m	kg					*460	380	370	310	3.88 m
1.0 m	kg			*760	*760	*600	460	330	280	4.04 m
G. L.	kg	930	730	660	540	500	420	340	280	3.82 m
-1.0 m	kg	910	740	630	530	490	400	400	330	3.29 m
-1.5 m	kg	870	720	640	540			480	410	2.83 m

SK25SR Canopy		Standard Arm: 1.15 m		Bucket: Without		Rubber Shoe: 250 mm				
B	A	2.0 m		2.5 m		3.0 m		At. Max. reach		
										Radius
3.0 m	kg					*525	*525	*525	*525	3.02 m
2.5 m	kg					*495	*495	*520	390	3.38 m
2.0 m	kg			*550	*550	*525	*525	400	340	3.62 m
1.0 m	kg	1,000	790	700	570	520	430	350	300	3.81 m
G. L.	kg	870	710	620	510	480	400	360	300	3.66 m
-1.0 m	kg	840	690	610	500	470	390	440	370	3.12 m
-1.5 m	kg	*880	700	*650	510			580	490	2.61 m

SK25SR Canopy		Long Arm: 1.40 m		Bucket: Without		Rubber Shoe: 250 mm				
B	A	2.0 m		2.5 m		3.0 m		At. Max. reach		
										Radius
3.0 m	kg							*450	380	3.34 m
2.5 m	kg					*460	*460	400	330	3.65 m
2.0 m	kg					*460	360	360	300	3.88 m
1.0 m	kg			*760	*760	*600	440	320	270	4.04 m
G. L.	kg	890	690	630	510	480	400	330	270	3.82 m
-1.0 m	kg	870	700	600	500	470	380	390	320	3.29 m
-1.5 m	kg	840	680	610	510			470	400	2.83 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.

- 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.

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