

Lifting Capacity

Excavator equipped with ROPS/FOPS and rubber crawlers

r : Reach from swing center line : ft-in(mm)

h : Lift point height : ft-in(mm)

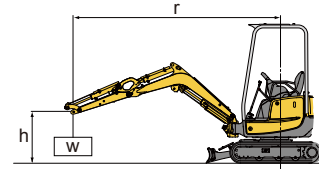
w : Lifting capacity : lbs(kg)



: Rated over front



: Rated over side



	r:Reach ft-in (mm)															
	Rated Lift Capacity Over End Blade Down : lbs (kg)					Rated Lift Capacity Over End Blade Up : lbs (kg)					Rated Lift Capacity Over Side Blade Up : lbs (kg)					
	6'7"(2,000)	8'2"(2,500)	9'10"(3,000)	Max	Radius	6'7"(2,000)	8'2"(2,500)	9'10"(3,000)	Max	Radius	6'7"(2,000)	8'2"(2,500)	9'10"(3,000)	Max	Radius	
9'10" (3,000)				*1,014(460)	9'10" (3,010)				*992(450)	9'10" (3,010)				837(380)	9'10" (3,010)	
8'2" (2,500)				*1,014(460)	11'1" (3,380)				*1,014(460)	881(400)	11'1" (3,380)			*992(450)	727(330)	11'1" (3,380)
6'7" (2,000)				*1,014(460)	*1,036(470)	11'10" (3,630)			*1,014(460)	793(360)	11'10" (3,630)			793(360)	661(300)	11'10" (3,630)
3'3" (1,000)		*1,675(760)	*1,366(620)	*1,080(490)	12'5" (3,800)		*1,675(760)	*1,322(600)	705(320)	12'5" (3,800)		*1,675(760)	970(440)	595(270)	12'5" (3,800)	
Ground (0)	*2,888(1,310)	*2,094(950)	*1,609(730)	*1,146(520)	12'2" (3,720)	1,962(890)	1,388(630)	1,058(480)	727(330)	12'2" (3,720)	1,521(690)	1,124(510)	881(400)	595(270)	12'2" (3,720)	
-3'3" (-1,000)	*2,645(1,200)	*2,028(920)	*1,543(700)	*1,190(540)	10'4" (3,150)	1,918(870)	1,322(600)	1,036(470)	859(390)	10'4" (3,150)	1,543(700)	1,102(500)	837(380)	705(320)	10'4" (3,150)	
-4'11" (-1,500)	*2,116(960)	*1,675(760)		*1,168(530)	8'9" (2,680)	1,851(840)	1,344(610)		1,036(470)	8'9" (2,680)	1,499(680)	1,124(510)		881(400)	8'9" (2,680)	

- 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 bucket pin is defined as lift point.

- The above lifting capacities are in compliance with SAE J/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 machines as normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

STANDARD EQUIPMENT

- ROPS / FOPS Canopy
- Rubber track
- Reclining seat
- N&B piping
- Travel alarm
- 2-way pattern changer

OPTIONAL EQUIPMENT

- ROPS / FOPS Cab
- Steel track
- Auto deceleration

Note : This brochure may show attachments and optional equipment that is not available in your area. It may contain images of machines with specifications that differ from those sold in your area. Please consult your nearest KOBELCO distributor for items you require. Due to our policy of continuous product improvement, all designs and specifications are subject to change without advance notice.
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KOBELCO CONSTRUCTION MACHINERY U.S.A. INC.

22350 Merchants Way
Katy, TX 77449
<http://www.KOBELCO-USA.com/>

Inquiries To:

SK25SR-NA-8P-201-1801ONEE

KOBELCO

DRIVEN BY
PASSION

MINI EXCAVATORS SK25SR



SK25SR - 5E

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 long digging reach for efficiency, maneuverability and durability to ensure a long working life. Maintenance is straightforward, with an LED monitor, fitted as standard, to keep the operator up to speed on the machine's running condition.

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



High lifting performance

Ensures high lifting performance with excellent stability

1,146 lbs (5209 kg)

Reach from swing center line : 12' 2"
Lift Point Height : 0 (Ground)

Reliable swing power, faster working speed

Powerful swing torque and a top-class swing speed deliver shorter cycle times.

Swing speed : **10rpm**

Standard thumb mounting bracket

Thumb bracket is installed as standard.



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

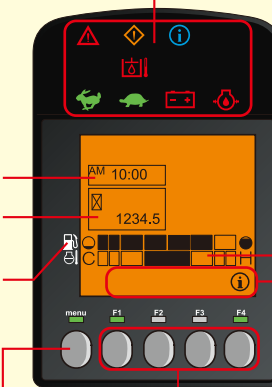
The backlit liquid crystal monitor is provided as standard. Operation information as well as the full range of machine status information can readily be checked.



Warning indicators LED lamp

Water temperature gauge

Clock
Hour meter
Fuel gauge



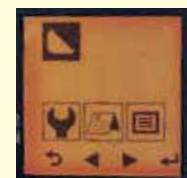
Menu switch

Function keys

Function key guidance



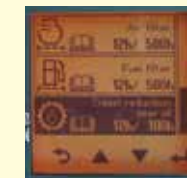
Normal Display



Main Menu Display



Machine Operation Management Display



Maintenance Display



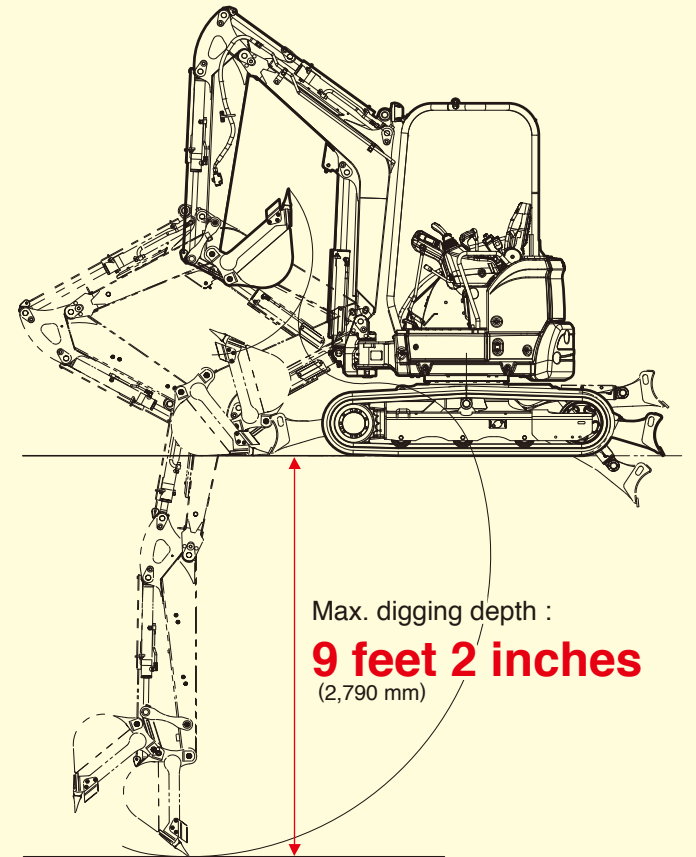
Machine operating hours



Language setting Display

Top level digging depth in its class

This achieves a digging depth of 9 feet, 2 inches.



Max. digging depth :
9 feet 2 inches
(2,790 mm)

Compact



Smaller front minimum swing radius in its class

The front minimum swing radius is a small 5 feet, 5 inches at full boom swing that allows for digging, swinging, and loading even in tight spots.

Min. swing radius :
5 feet 5 inches
(1,680 mm)
(at right full boom swing)

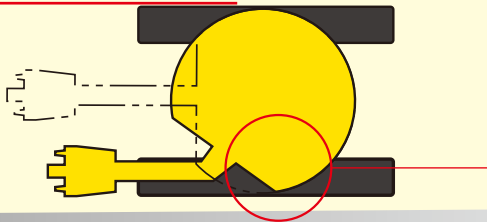


Zero tail swing and excellent side ditch digging

During a right boom swing, the left front frame does not protrude outside the crawler shoes. So you can smoothly dig along walls.

No main frame over hang outside the crawler shoes.

Tail overhang :
0 inches

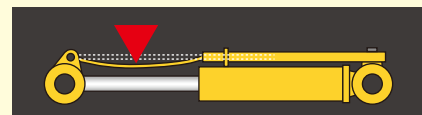


Front overhang : **0 inches** (During right boom swing)

Durability

Superior durability

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 light

Work light is set under the boom, to minimize potential damage during operation.



Blade cutting edge

Backfill dozer blade has wear-resistant cutting edge.



Comfort



Operator's manual storage



The operator's manual storage is equipped as standard at the back side of the operator's seat.

Wrist rest



Wrist rests fitted on the each control lever box ensure comfortable operation.

Comfortable reclining seat



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

Levers and switches concentrated on the right side of the operator

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



The proportional control lever is equipped and allows you to control boom swing operation and the attachment easily.

Operator Safety

ROPS / FOPS Cab / Canopy

Meets international protection standards to ensure safer work than ever before.

ROPS: Roll-over Protection System
FOPS: Falling-object Protection System



Control lock lever

Raise the Control lock lever to lock the attachment, swing, swing the boom and drive the machine. As an added precaution, the engine won't start with the lever raised.



Travel alarm

An alarm sounds when driving to notify those in the area and prevent contact with the machine.

Maintenance

Right side of the machine



Fuel tank

Hydraulic tank

Battery



Alternator Starter motor Fuse box

Rear side of the machine

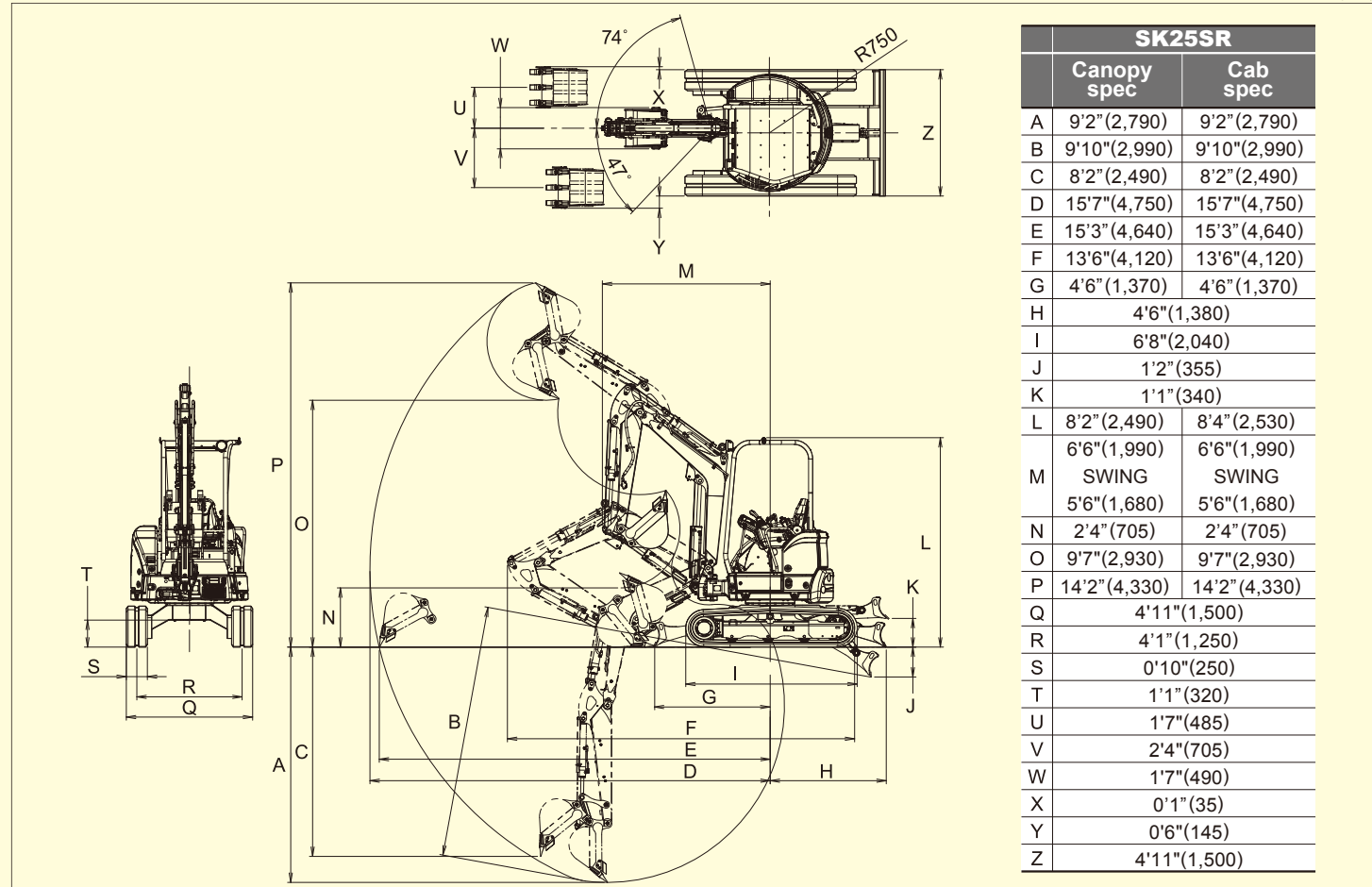


Air cleaner

Water separator Fuel filter Radiator over flow bottle Engine oil filler port

Dimensions

Unit : ft-in (mm)



Specifications

GENERAL			
MODEL		SK25SR	
Type		SK25SR-6E	
Machine Mass	Cab	Rubber	lbs (kg) 5,930(2,690)
		Steel	lbs (kg) 6,173(2,800)
	Canopy	Rubber	lbs (kg) 5,644(2,560)
		Steel	lbs (kg) 5,886(2,670)
Recommended bucket capacity		cu ft (m³) 2.83(0.08)	
Arm length		ft-in 47"	
Bucket Digging Force (SAE J1179)		lbf (kN) 4,546(20.2)	
Bucket Digging Force (ISO 7451)		lbf (kN) 5,203(23.1)	
Arm Crowding Force (SAE J1179)		lbf (kN) 2,720(12.1)	
Arm Crowding Force (ISO 7451)		lbf (kN) 2,844(12.6)	
ENGINE			
Model		YANMAR 3TNV80F-SXNBV	
Type		Tier 4 water-cooled 4-cycle 3-cylinder	
Power Output	SAE NET	hp (kW)/rpm	19.7(14.7)/2,500
	(Without Fan)	hp (kW)/rpm	20.4(15.2)/2,500
Max. Torque	SAE NET	lbf (N-m)/rpm	47.1(63.9)/1,800
	(Without Fan)	lbf (N-m)/rpm	48.1(65.2)/1,800
Displacement		cu in (L) 77.3(1.27)	
Fuel Tank		U.S. gal (L) 8.06(30.5)	
HYDRAULIC SYSTEM			
Pump		Two variable displacement pumps + two gear pump(one for pilot pump)	
Max. Discharge Flow		U.S. gal (L)/min 2x7.9(30.0), 1x5.6(21.3), 1x3.0(11.3)	
Relief Valve Setting		psi (MPa) 2x2,987(20.6), 1x2,631(18.1), 1x427(2.9)	
Hydraulic Oil Tank (system)		U.S. gal (L) 6.6(25)/(10.3(39))	
TRAVEL SYSTEM			
Travel Motors		Two Speed Travel Motors	
Parking Brake		Hydraulic lock type	
Travel speed (high/low)		mph (km/h) 2.8(4.5) / 1.7(2.8)	
Traction force	cab	lbf (kN)	5,485(24.4)
	canopy	lbf (kN)	5,485(24.4)

CRAWLER			
Shoe Width		in (mm) 10(250)	
Ground Pressure	Cab	Rubber	psi (kPa) 4.52(31.1)
		Steel	psi (kPa) 4.69(32.3)
	Canopy	Rubber	psi (kPa) 4.30(29.6)
		Steel	psi (kPa) 4.47(30.8)
DOZER BLADE			
Width x Height		ft-in (mm) 4'11"(1500) x 1'(295)	
Working Ranges (height/depth)		ft-in (mm) 1'1"(340) / 12"(355)	
SWING SYSTEM			
Swing Motor		Fixed displacement pump	
Parking Brake		Spring set, hydraulic release	
Swing Speed		rpm 10	
Tail Swing Radius		ft-in(mm) 2'6"(750)	
Min. Front Swing Radius	Over the front	Cab	ft-in (mm) 6'6"(1,990)
		Canopy	ft-in (mm) 6'6"(1,990)
	At full boom swing	Cab	ft-in (mm) 5'6"(1,680)
		Canopy	ft-in (mm) 5'6"(1,680)
MECHANISM			
Type		Boom swing	
Offset Angle	To the left	degree	47
	To the right	degree	74

Hydraulic P.T.O

Model		SK25SR		
Specifications	Output	PSI (Mpa)	US gal (L) / min	
			2,500RPM	1,400RPM
Combined flow, double action		2,987 (20.6)	13.6 (51.3)	7.58 (28.7)