

KOBELCO

MINI EXCAVATORS SK30SR SK35SR

SK30SR-6E
SK35SR-6E



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BY
**DRIVEN
PASSION**

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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KOBELCO CONSTRUCTION MACHINERY U.S.A. INC.

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A diagram of a robotic arm. The arm is yellow and has two segments. The first segment is horizontal and has a length labeled 'A'. The second segment is vertical and has a length labeled 'B'. The arm is positioned against a vertical wall. A dashed line indicates the horizontal distance from the base of the arm to the wall, which is labeled 'C'.

A: Reach from swing centerline to arm tip
B: Arm tip height above/below ground
C: lifting capacities in pounds
Shoe: Rubber shoe Dozer blade: Down
Relief valve setting: 3,335 psi (23 MPa)

GENERAL MODEL	Machine Mass	Canopy	Cab	lbs (kg)	lbs (kg)
TYPE	Bucket Capacity	cu ft (m ³)		8,555 (3,860)	5,655SR 4E
	Bucket Width (with side cutter)	R-in (mm)		8,214 (372.5)	
	Arm Length	ft-in (mm)		3,488 (0.11)	
				1' 12" (600)	
				4' 6" (1.37)	
	Bucket Digging Force (SAE J1179)	lbf (kN)		5,418 (24.1)	
				7,216 (32.17)	Two pin bucket
	Bucket Digging Force (ISO 7451)	lbf (kN)		62,50 (27.8)	
	Arm Crowding Force (SAE J1179)	lbf (kN)		8,586 (38.1)	Two pin bucket
	Arm Crowding Force (ISO 7451)	lbf (kN)		48,00 (21.4)	
ENGINE	Arm Crowding Force (SAE J1179)	lbf (kN)		5,058 (22.5)	
	Arm Crowding Force (ISO 7451)	lbf (kN)			
MODEL					YANMAR 3TNV88F-E
TYPE	Water cooled, 4-cylde, 3-cylindered direct injection, diesel engine				
Power Output	Max. torque	hp (kW)/rpm		231 (172)/2040 (SAE NET)	
Max. torque		hp (kW)/rpm		60 (18.1) / 7	
Displacement		cu ft (L)		100.21 (642)	
Oil tank		U.S. gal (L)		11 (42)	
HYDRAULIC SYSTEM					
Pump	Two variable displacement pumps with two pump ramps (one for rated and one for low pressure)				
Max. Discharge Flow		US gal (L)/min		20 X 10.1 (384.5) (19.2) 29 (10.8)	
Relief Valve Setting (Excavating circuit)		psi (MPa)		3,335 (23.0)	
Relief Valve Setting (Digger circuit)		psi (MPa)		3,335 (23.0)	
Hydraulic Oil Tank system		US gal (L)		5.4 (20.4) (11.8 (44.8))	
TRAVEL SYSTEM					
Travel Motors					2 x axial piston, two-step motor
Traveling Brake					Oil disc brake per motor
Working Speed	High/Low	mph (km/h)		2.7 (4.4) / 1.6 (2.5)	
Travel Speed		mph (km/h)		8.565 (38.1)	
Drawbar Pulling Force (SAE)		Canopy		8,587 (38.2)	

CRRAWLER						
Shoe Width	Cab	Rubber	psi (kPa)	in (mm)	11.8" (300)	
Ground Pressure		Steel	psi (kPa)		4.9 (33.8)	
	Canopy	Rubber	psi (kPa)		5.0 (34.6)	
		Steel	psi (kPa)		4.7 (32.4)	
					4.8 (33.2)	
DOZER BLADE						
Width x Height				ft-in (mm)	5' 7" (1700) x 1' 2" (345)	
Working Length				ft-in (mm)	1' 4" (395) x 1' 1" (320)	
Swing Drive						
Parking Brake					Axial piston motor	
Swing Speed			min ⁻¹ (rpm)		Oil disc brake hydraulic operated automatically	
Tail Swing Radius			ft-in (mm)		8' 4"	
					2' 10" (850)	
Min. Front Swing Radius	Over the front	Cab	ft-in (mm)		7' 7" (6320)	
Swing Radius	At full boom	Canopy	ft-in (mm)		7' 7" (6320)	
Swing		Cab	ft-in (mm)		6' 4" (1930)	
		Canopy	ft-in (mm)		6' 4" (1930)	
SIDE DIGGING MECHANISM						
Type	To the left	degree			Boom swing	
	To the right	degree			70	
HYDRAULIC P.T.O						
	Output	PSI (Mpa)			US gal/(min)	
Specification					2,000 rpm	
N&B		3,333/52.0 (0)			1,000 rpm	
Rotary		3,333/52.0 (0)			6,324 (0)	
					21 (18.0)	

Unit: ft.-in (mm)

Dimensions (ft.-in (mm)):

- 10' (3.050)
- 8' 6" (2.580)
- 7' 5" (2.290)
- 4' (1.310)
- 7' 11" (2.400)
- 15' 12" (4.870)
- 17' 7" (5.350)
- 17' 11" (5.200)
- 7' 8" (2.330)
- 1' 4" (395)
- 1' 1" (320)
- 5' 10" (1.530)
- 4' 7" (1.400)
- 5' 7" (1.700)
- 13' (390)
- 1' 2" (345)
- 5' 7" (1.700)
- 7' 1" (2.160)
- 1' 11" (350)
- 8' 3" (2.510)
- 2' 10" (850)
- 15' 10" (4.630)
- 5' 1" (1.20)
- 7' 6" (2.275)
- 6' 5" (1.950)

Effective Date		April 1, 2020		KCMU Machine Pricing	
Engine	Make /Model	YANMAR 3TNV88F-E (Tier 4 Compliant)			SK35SR-6E
	Horse Power	23hp {17.2 kW} / 2,400 RPM (SAE NET)			
	Torque	60 lb-ft {81.7 N • m} / 1,440 RPM (SAE NET)			
General	FOPS/ROPS level I canopy design with suspension deat and seat belt. Hydraulic dozer blade, hand control pattern changer, and nibbler/breaker bi-directional auxillary piping (plumbed to the arm). Heavy-duty battery and starting motor (12V - 40 AMP), air cleaner, hydraulic oil filter and travel alarm				
Shipping Dimensions	Overall Length	16' {4,820 mm}			
	Transport Width	5'7" {1,700 mm}			
	Overall Height	8'5" {2,570 mm}			
	Weight Lbs.	Canopy 8,915 lb, Cab 9,255 lb			
Shipping dimensions are based on standard machine configuration					
Code		Base Machine			
SK35SRR	Base Machine with FOPS/ROPS Canopy & 2 way Dozer Blade				
Track Shoes					
2-13	12" Rubber Tracks				Included
2-14					
Excavator Boom					
3-01	Standard Boom				Included
Excavator Arm					
4-05	Long Arm 5'6" (1.67 m) with thumb bracket and bucket Cylinder (additional counterweight included)				Included
1805MX2-4035	Tag 18" Pin On Bucket				Included
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Items other than KCMU standard may require longer delivery time. Consult KCMU for availability and delivery of optioned equipment. Consult Sales Support for pricing questions.					



Warranty Statement ~ Compact Excavator product (base unit weight < six (6) metric tons)
Involved to KCMU Dealers on/after October 1, 2016 KOBELCO CONSTRUCTION MACHINERY USA, INC. (hereinafter referred to as "KOBELCO") hereby warrants each new machine (having base weight of less than six (6) metric tons) to be free from defects in material and workmanship, subject to the conditions and limitations set forth herein.

1. Warranty Period

The warranty period is thirty six (36) months or three thousand hours of operation (whichever occurs first) base machine coverage for a period commencing on the earlier to occur of either (a) date of delivery to retail purchaser, or (b) date of delivery to first rental, or (c) accrual of 150 demonstration hours on machine hour meter, or (d) 12 months from KCMU invoice date for machine to Dealer.

2. Warranty Coverage

Within the warranty period, and subject to the limitations set forth in section 3 below, KOBELCO will repair or replace at its option, free of charge, F.O.B. KOBELCO's factory or its Distributor at KOBELCO's option, any part or parts of the warranted machine which are found by KOBELCO to be defective in material and/or workmanship. Any parts replaced must be returned to KOBELCO's factory or its authorized Distributor, transportation charge prepaid by sender.

3. Limits of Liability

KOBELCO shall not be liable for or in respect of:

3.1 Components purchased by KOBELCO and installed in a machine, beyond or in addition to any warranty provided to KOBELCO by the manufacturer of such components.

3.2 Repair or replacement of (i) any normal wearing parts, (ii) any aging or deterioration caused by foreign substances or by exposure to the natural elements or (iii) any consumable items, such as oil, grease, refrigerant, filters, etc.

3.3 Any cost of repairs, alterations or replacements made by, or any expenses connected therewith incurred by, anyone other than KOBELCO or its authorized Distributor.

3.4 Any warranted machine which has been subjected to:

- a) Misuse, improper operation or misapplication, including but not limited to operation beyond rated capacity expressly prohibited in the operator's manual or rated capacity charts furnished with the machine;
- b) Neglect, including but not limited to (i) improper maintenance and (ii) use of the machine while any parts are loose, broken or out of order;
- c) Accident, Acts of God such as natural disaster, fires and other disasters caused by human fault or negligence.
- d) Improper or unauthorized installation, adjustment, repair or alteration, including but not limited to (i) adjustment or assembly procedures not recommended or authorized in the operator's manual, (ii) use of unauthorized parts or attachments, and (iii) unauthorized modification or alteration.

KOBELCO SHALL BE LIABLE ONLY FOR REPAIR OR REPLACEMENT OF PARTS AS DESCRIBED UNDER "WARRANTY COVERAGE", AND KOBELCO SHALL NOT BE LIABLE, WHETHER UNDER BREACH OF WARRANTY, NEGLIGENCE OR STRICT LIABILITY, FOR ANY OTHER INJURY, LOSS, DAMAGE OR EXPENSES, WHETHER DIRECT OR CONSEQUENTIAL, INCLUDING BUT NOT LIMITED TO LOSS OF USE, INCOME, PROFIT OR PRODUCTION, INCREASED COST OF OPERATION, OR SPOILAGE OF OR DAMAGE TO MATERIAL.

4. Alterations

KOBELCO reserves the right to make alterations or modifications in their equipment at any time, which in their opinion, may improve the performance and efficiency of the machine. KOBELCO shall not be obligated to make such alterations or modifications to machines already in service.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED, WHETHER WRITTEN OR ORAL, EXPRESSED OR IMPLIED.

KOBELCO ASSUMES NO OTHER OBLIGATION OR RESPONSIBILITY WITH RESPECT TO THE PRODUCTS WHATSOEVER, AND NO EMPLOYEE OR REPRESENTATIVE IS AUTHORIZED TO CHANGE OR EXTEND THIS WARRANTY IN ANY WAY OR GRANT ANY OTHER WARRANTY WHATSOEVER.

Manufactured by **KOBELCO CONSTRUCTION MACHINERY USA, INC.**

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