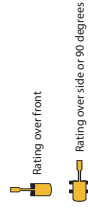
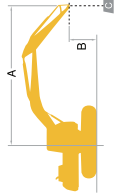


Lifting Capacities



- A – Reach from swing centerline for arm top
B – Arm top height above/below ground
C – Lifting capacities in pounds (kilograms)
* Max. discharge pressure: 5,480 psi (37.8 MPa)

SK170LC		Standard Arms 10'2" (3.1 m) Without bucket. Std. Counterweight: 4,810 lbs (2,180 kg)		15' (4.6 m)		20' (6.1 m)		25' (7.6 m)		HEAVY LIFT	
A	B	5' (1.5 m)	10' (3.0 m)	15' (4.6 m)	20' (6.1 m)	25' (7.6 m)	At Max. Reach	Radius			
25' (7.6 m)	lb (kg)										
20' (6.1 m)	lb (kg)										
15' (4.6 m)	lb (kg)										
10' (3.0 m)	lb (kg)										
5' (1.5 m)	lb (kg)										
G.L.	lb (kg)										
-5' (1.5 m)	lb (kg)										
-10' (3.0 m)	lb (kg)										
-15' (4.6 m)	lb (kg)										
SK170LC		Standard Arms 10'2" (3.1 m) Without bucket. Std. Counterweight: 8,160 lbs (3,700 kg)		15' (4.6 m)		20' (6.1 m)		25' (7.6 m)		HEAVY LIFT	
A	B	5' (1.5 m)	10' (3.0 m)	15' (4.6 m)	20' (6.1 m)	25' (7.6 m)	At Max. Reach	Radius			
25' (7.6 m)	lb (kg)										
20' (6.1 m)	lb (kg)										
15' (4.6 m)	lb (kg)										
10' (3.0 m)	lb (kg)										
5' (1.5 m)	lb (kg)										
G.L.	lb (kg)										
-5' (1.5 m)	lb (kg)										
-10' (3.0 m)	lb (kg)										
-15' (4.6 m)	lb (kg)										
SK170LC		Standard Arms 10'2" (3.1 m) Without bucket. Std. Counterweight: 4,810 lbs (2,180 kg)		15' (4.6 m)		20' (6.1 m)		25' (7.6 m)		HEAVY LIFT	
A	B	5' (1.5 m)	10' (3.0 m)	15' (4.6 m)	20' (6.1 m)	25' (7.6 m)	At Max. Reach	Radius			
25' (7.6 m)	lb (kg)										
20' (6.1 m)	lb (kg)										
15' (4.6 m)	lb (kg)										
10' (3.0 m)	lb (kg)										
5' (1.5 m)	lb (kg)										
G.L.	lb (kg)										
-5' (1.5 m)	lb (kg)										
-10' (3.0 m)	lb (kg)										
-15' (4.6 m)	lb (kg)										

Notes:

1. Do not attempt to lift or hold any load that is greater than these lifting capacities at lift point radius and heights. Weight of all accessories must be deducted from the above lifting capacities.
2. Lifting capacities are based on a firm, level, 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 bucket pin, without bucket is defined as lift point.
4. The above lifting capacities are in compliance with SAE J1500 10507. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Lifting capacities marked with an asterisk (*) are limited by hydraulic.
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 machines as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

Note: This document may contain attachments and optional equipment that are not available in your area. It may also contain photographs of machines, with specifications that differ from those in your area. Please contact your nearest KOBELCO dealer for items you require.

Due to our policy of continuous product improvement, all designs and specifications are subject to change without advance notice.

Copyright © 2010 KOBELCO CONSTRUCTION MACHINERY CO., LTD. No part of this document may be reproduced in any manner without prior written permission from KOBELCO.

KOBELCO CONSTRUCTION MACHINERY U.S.A. INC.

22350 Merchants Way, Katy, Texas 77449

<http://www.kobelco-usa.com/>

Inquiries To:

KOBELCO

Hydraulic Excavator

SK170LC

SK170LC-10



John Edwards
Governmental Sales Manager
jedwards@cowin.com
850-685-7055



- Bucket Capacity:
0.6 – 1.0 cu yd SAE
- Engine Power:
127hp (95 kW) @2,000 rpm
(SAE NET)
- Operating Weight:
38,800 lbs (17,600 kg)



Specifications

Engine		HINO JOSEUM-KSST
Type	Direct injection, engine with intercooler, turbo-charger (Tier IV final-compliant engine)	
No. of cylinders	4	
Bore and stroke	4.41" (112 mm) x 5.12" (130 mm)	
Displacement	312.6 cu in (5.123 L)	
Rated power output	127 hp (95 kW)/2,000 rpm (SAE NET) 134 hp (100 kW)/2,000 rpm (Without fan)	
Max. torque	355 lb-ft (482 Nm)/1,600rpm (SAE NET) 370 lb-ft (502 Nm)/1,600 rpm (Without fan)	

Hydraulic System	
Pump	
Type	Two variable displacement pumps + One gear pump
Max. discharge flow	2 x 42.3 US gph (2 x 160 L/min) 1 x 5.3 US gph (1 x 20 L/min)

Relief valve setting	
Boom, arm and bucket	4,970 psi (34.3 MPa)
Power Boost	5,480 psi (37.8 MPa)
Travel circuit	4,970 psi (34.3 MPa)
Swing circuit	4,060 psi (28.0 MPa)
Control circuit	725 psi (5.0 MPa)
Pilot control pump	Gear type
Main control valves	8-spool
Oil cooler	Air cooled type

Hydraulic P.T.O	
Specification	Output
	Maximum Pressure PSI (MPa)
N&B	4,970 (34.3)
Rotary	2,990 (20.6)
	Max Flow US GPM, (lpm)
	2,000 rpm
	1,000 rpm
	7.9 (80)
	5.3 (20)

Swing System	
Swing motor	Axial piston motor
Parking brake	Oil disc brake, hydraulic operated automatically
Swing speed	12.3 rpm (12.3 min ⁻¹)
Swing torque	38,790 lb-ft (52.6 kN) (SAE)
Tail swing radius	8' 4" (2,550 mm)
Min. front swing radius	9' 0" (2,740 mm)

Bucket Selection Chart			
Bucket Duty	Capacity (SAE) Cubic Yd (m ³)	Width Inches (mm)	Arm ft-in (m)
General	45 (344)	20 (508)	H
	58 (443)	24 (609)	H
	77 (589)	30 (762)	M
	97 (742)	36 (914)	L
	116 (887)	42 (1,067)	X
Heavy Duty	136 (1,040)	48 (1,219)	X
	156 (1,185)	54 (1,371)	X
	177 (1,359)	60 (1,524)	X
	197 (1,485)	66 (1,678)	X
	216 (1,637)	72 (1,829)	X
Severe Duty	236 (1,789)	78 (1,991)	X
	256 (1,941)	84 (2,133)	X
	276 (2,093)	90 (2,286)	X

H- Used with material weight up to 3,000 lbs/cu yd (1,780 kg/m³)
L- Used with material weight up to 2,000 lbs/cu yd (1,186 kg/m³)
X- Not recommended

Travel System	
Travel motors	2 x Axial piston, two speed motors
Parking brakes	Oil disc brake per motors
Travel shoes	49 each side
Travel speed	2.9/1.7 mph (4.7/2.8 km/h)
Drawbar pulling force	51,900 lbs (231 kN) (SAE J1309)
Gradeability	70 % (35 deg)
Ground clearance	1' 5" (460 mm)

Cab & Control	
Cab	All-weather, sound-suppressed steel cab mounted on the silicon-sealed suspension mounts and equipped with a heavy, insulated floor mat.
Control	Two hand levers and two foot pedals for travel Two hand levers for excavating and swing Electric rotary-type engine throttle

Boom, Arm & Bucket	
Boom cylinder	2-3.6" (110 mm) x 3' 8" (1,156 mm)
Arm cylinder	1-4.1" (125 mm) x 4' 2" (1,285 mm)
Bucket cylinder	1-3.6" (110 mm) x 3' 4" (1,025 mm)

Refilling Capacities & Lubrications	
Fuel tank	74.0 US gal (280 L)
Cooling system	5.0 US gal (19 L)
Engine oil	5.4 US gal (20.5 L)
Travel reduction gear	2x1.3 US gal (2x5.0 L)
Swing reduction gear	0.7 US gal (2.7 L)
Hydraulic oil tank	32.2 US gal (122 L) tank oil level 52.8 US gal (200 L) hydraulic system
DEF/AdBlue tank	9.0 US gal (33.9 L)

Digging Force	
Arm length	Standard 10' 2" (3.10 m)
Bucket digging force	SAE 22,700 (101/25,000 (111)) ISO 25,600 (114/28,300 (126))
Arm crowding force	SAE 15,600 (69.4/17,200 (76.4)) ISO 16,100 (71.7/17,700 (78.8))

Working Ranges	
Boom	Unit: ft-in (m)
Arm length	17' 1" (5.20 m) 10' 2" (3.10 m)
a- Max. digging reach	31' 1" (9.49)
b- Max. digging reach at ground level	30' 6" (9.32)
c- Max. digging depth	21' 3" (6.49)
d- Max. digging height	32' 1" (9.77)
e- Max. dumping clearance	23' 3" (7.10)
f- Min. dumping clearance	7' 1" (2.15)
g- Max. vertical wall digging depth	19' 6" (5.95)
h- Min. swing radius	9' 0" (2.74)
i- Horizontal digging stroke at ground level	17' 7" (5.35)
j- Digging depth for 8' (2.4 m) flat bottom	20' 7" (6.31)
Bucket capacity (SAE heaped)	0.82 cu yd (0.63 m ³)

Dimensions	
Arm length	Unit: ft-in (mm)
A Overall length	102' (31.0 m)
B Overall height (to top of boom)	28' 6" (8.710)
C Overall width**	10' 1" (3.080)
D Overall height (to top of cab)	8' 5" (2.590)
E Overall height (to top of cab)	10' 0" (3.060)
F Ground clearance*	3' 4" (1.050)
G Tail swing radius	1' 5" (460)
G' Distance from center of swing to rear end	8' 4" (2.550)
H Tumbler distance	10' 8" (3.280)
I Overall length of crawler	13' 4" (4.070)
J Track gauge	6' 5" (1.990)
K Shoe width	24" (600)
L Overall width of upperstructure	8' 5" (2.590)

* Without including height of shoe lug
** Shoe width: 2' 0" (600mm)

Operating Weight & Ground Pressure

In standard trim, with standard boom, 10' 2" (3.10m) arm, and 0.82 cu yd (0.63 m³) SAE heaped bucket

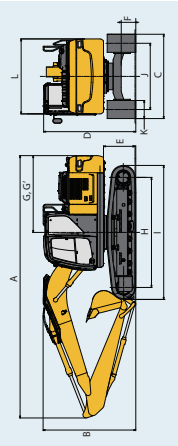
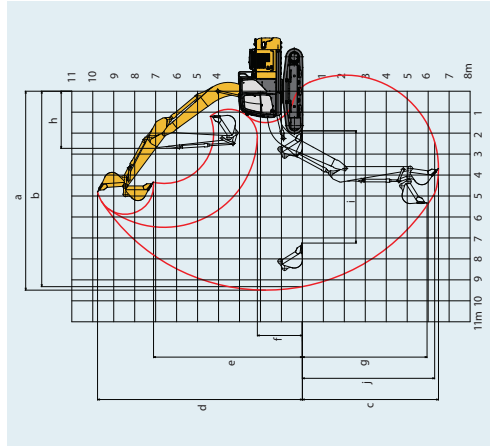
Shaped	Triple grouser shoes (even height)
Shoe width	24" (600)
Overall width of crawler	8' 5" (2.590)
Ground pressure	5.8 (40)
Operating weight	38,800 (17,600)

HYDRAULIC
 ENGINE
 HINO JOSEUM-KSST Diesel engine with turbocharger and intercooler, Tier IV final certified
 Automatic engine deceleration
 Two 12V, 52Ah batteries
 24V 5kW starting motor
 60-amp alternator
 Automatic radiator fan speed out screen
 Automatic radiator fan speed down flow engine oil pressure
 Side by side oil hydraulic and engine radiators
 Double-element air cleaner
 Working mode selector
 (H-mode, S-mode and ECO-mode)
 Heavy Lift and Power Boost "without time limit"
 SWING SYSTEM & TRAVEL SYSTEM
 Swing rebound prevention system
 Independent travel system
 Automatic differential lock
 Sealed & lubricated track links
 24" (600 mm) track shoes
 Grease-type track adjusters
 Automatic swing brake
 Lower track guides

HYDRAULIC
 Auto warm-up system
 Hydraulic oil cooler
 MIRRORS & LIGHTS
 Three rearview mirrors plus rear-view camera
 Three front working lights (two for boom and one for right storage box)
 Swing flashers and rear work lights
 CAB & CONTROL
 ROPS/POPS cab
 Two pilot-operated control levers
 Electric three-lever, eight slide-type control box
 All-weather, sound-insulated cab
 Interior cab light
 Coat hook
 Luggage tray
 Large cup holder
 Lockable two-piece floor mat
 27" (685 mm) adjustable suspension seat
 Headrest
 Heater and defroster
 Intermittent windshield wiper with double-spray washer
 Spotlight
 FOPS top guard level II

HYDRAULIC
 Tinted safety glass
 Pull-type front window and removable lower front window
 Easy to read multi-display monitor
 Automatic climate control
 Emergency escape hammer
 Remote-controlled AM/FM stereo radio
 Travel alarm
 Manual DPF regeneration switch
 12V power outlet
 Two-way control pattern changer

OPTIONAL EQUIPMENT
 Wide range of shoes
 Boom & arm load lock/holding valve
 Additional hydraulic circuits
 Air suspension seat
 Two cab lights
 27" (685 mm) adjustable suspension seat
 Headrest
 Heavy Counterweight
 28" (700 mm) and 31.1" (790mm) track shoes
 Vandal Guards available via KOBECO parts department



Effective Date		April 1, 2020		KCMU Machine Pricing	
Engine	Make /Model	HINO JO5E-UM 4cyl. Diesel Tier 4 Final			SK170LC-10
	Horse Power	127 hp {95 kW} / 2,000 RPM (SAE NET)			
	Torque	355 lb-ft {482 N • m} / 1,600 RPM (SAE NET)			
General	Energy Saving System with ECO -Mode and auto hydraulic warm up. Machine Operation Management system with GPS. ROPS/FOPS sound suppressed cab with silicon viscous mounts, hand control pattern changer - two way ISO/BHL, belly pan, angle guards, rearview camera, and mirrors.				
Shipping Dimensions	Overall Length	28’ 7” {8,710 mm}			
	Transport Width	8’6” {2,590 mm} with 600mm shoes			
	Overall Height	10’ 1” {3,080 mm}			
	Weight Lbs.	38,800 lb {17,600 mm}			
Shipping dimensions are based on standard machine configuration					
Code	Base Machine				List
SK170LC-10	Base Machine- with air conditioned cab, tinted glass, AM/FM radio, travel alarm, and top guard.				
	Seat				
	Mechanical Suspension Seat				Included
	Track Shoes				
	Semi-Triple Grouser Shoes 23.6" (600 mm) wide				Included
	Excavator Boom				
	Standard Mono Boom 17'1" (5.2m)				Included
	Excavator Arm				
	Standard Arm 10'2" (3.1m)				Included
	Hand Controlled Aux Hydraulics with piping				Included
	Works Lights				Included
	42" Bucket				Included
John Edwards, Governmental Sales Manager 850-685-7055 jedwards@cowin.com					
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.					



North America

Warranty Statement ~ Full size (base unit weight > six (6) metric tons) Tier IV Final Excavator product
Involved to KCMU Dealers on/after October 1, 2015. KOBELCO CONSTRUCTION MACHINERY USA, INC (hereinafter
referred to as "KOBELCO") hereby warrants each new machine (having base weight of six (6) metric tons or greater) 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 (3000) 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.

KOBELCO CONSTRUCTION MACHINERY USA, INC

February 6, 2016 - Supersedes all prior

Form No. KCMU-05T