

KOBELCO®

SK170LC ACERA MARK 8



Operating Weight
37,800 lbs
(17,146 kg)

NET Horsepower
121 @ 2,200 rpm
(93kW @ 2,200 rpm)

Max Digging Depth
21'5"
(6.52 m)

Bucket Capacity
.45 to 1.36 cu yd
(.34 to 1.04 m³)

Bucket Breakout Force
(SAE) 24,900 lbf (110.8 kN)
(ISO) 28,000 lbf (124.6 kN)

STEP-UP TO A NEW LEVEL OF PERFORMANCE

The New KOBELCO SK170LC Acera Mark 8 Tier III excavator raises the bar on productivity and operator comfort. The SK170LC delivers more horsepower and unsurpassed grading and finishing capabilities with new Intelligent Total Control System (ITCS) technology. Superior cab refinements reposition controls for easier accessibility and include a new backlit monitor for improve daytime visibility, along with quick access to operator controlled settings and diagnostics.

Powerfully Productive

Our new **IVECO by FPT™*** engines embrace the same technology that powers the likes of Ferrari and Maserati. Simply put, they're powerful, efficient and quiet. The SK170LC delivers:

- A 8% increase in total engine horsepower
- 9% more Draw Bar pull force for climbing and pulling heavy loads
- 21' 5" max. dig depth for foundation and trench work

Powered by **IVECO by FPT™***

- Reliable 275 cu. in., 4-cylinder water-cooled, turbocharged engine
- 121 (SAE) Net engine horsepower (90kW) @ 2,200 rpm
- 10% more power with “no time limit” from our **Power Boost™** system
- 10% more power with “no time limit” from our **Heavy Lift** system
- Top Notch warranty and support from our Kobelco dealer network

*FPT stands for Fiat Power Train technology and is a registered trademark of the Fiat Company.

Heavy-Duty By Design

- Longer X-frame design offers enhanced stability and balance
- HD Boom and Arm are now standard
- Rollers, sprockets and travel motors are sealed for long life
- Robust lift cylinders ensure maximum rated capacity
- Pumps, valves and piping are optimized for maximum efficiency

Enhanced Operator Control

- Intelligent Total Control System (ITCS) recognizes your moves and assists by providing hydraulic power where it's needed, so you're in control.
- ITCS also provides the hydraulic sensitivity for fine grading and leveling
- Auto-Accel smoothly increases engine rpms and hydraulic flow in direct proportion to the operator's movement of the control levers. This results in even, deliberate acceleration for applications that require precision.
- Auto-Decel reduces engine rpms after 4 seconds of operator inactivity, extending engine life and reducing noise and fuel cost.

Easy, ground-level servicing of filters, batteries and hydraulics reduces maintenance time to boost your productivity.



The SK170LC provides superior bucket and arm digging forces so you can easily handle the most demanding digging conditions.



ACERA Mark 8™



Spacious dimensions and an unrivaled view make the Kobelco cab a comfortable and productive place to work.



EXCELLENT VISIBILITY AND CONTROL

Let's face it, your work demands the best from you. Kobelco has gone to extremes to ensure that our customers enjoy operating our excavators. The SK170LC delivers complete operational control, maximum comfort, progressive hydraulic acceleration and a clear view of the jobsite. It's the perfect combination to keep you running all day.

A Cab Designed Around You, the Operator

- Oversized cab provides ample room and numerous comfort features
- Super-wide egress for cab entry and exit
- Right-side controls for easy access to critical functions

Clear Visibility

- Large glass panels provide excellent visibility for a clear view of the work area
- Operator is positioned for maximum visibility of all functions and operations
- Moveable front, top and side glass panels provide cross-flow ventilation

Comfortable Seating & Functions

- 7-position suspension seat is adjustable for maximum comfort
- Arm rests adjust vertically to match the comfort preferences of every operator
- Viscous silicon cab mounts minimize vibration and shock to the cab
- AM/FM stereo with dual speakers is standard
- 24 volt to 12 volt converter for charging cell phones and other accessories

New Easy-to-Read Monitor

- New Monitor with orange backlit multi-display and large sunshade improves visibility of work mode selector switch, fuel and temperature gauges, and other excavator controls
- Self-diagnostics with fault code memory makes it easy to monitor and adjust system pressures, engine speed, travel speed, hydraulic pressure and other operating functions
- Warning screens and audible alarms alert you to temperature and pressure status
- Establish and review service interval reminders for engine oil, hydraulic oil, fuel and filters

Personal Climate Control

- High efficiency/high output air conditioning & heating system
- Program a temperature between 61 and 91 degrees F (18 to 32 C) for optimum comfort
- Four fan speeds with LCD display
- Redesigned vents efficiently circulate air around the operator's compartment
- A/C filters are easy to check and replace with minimal effort



The Power mode system provides four power modes to match your work operations. The monitor features a large sunshade and orange back-lit screen for easy viewing.

Operators work with confidence and ease with a clear view of the jobsite.





The operator seat adjusts seven ways to fit operators of any size.

A personal climate control console includes an LCD display and controls for the high-output air conditioning and heating system and the four-speed fan. Just program a temperature between 61 and 91 degrees F (18 to 32 C) for optimum comfort any time of year.



POWERED FOR PERFORMANCE

The new SK170LC excavator is powered by a **IVECO by FPT™** Power train that's certified to meet Tier III emissions requirements. This 4-cylinder, direct injection diesel engine with intercooler turbocharger cranks-out 121 net horsepower and delivers 387 ft-lbs of torque. That's 8% more raw power for increased excavator performance.

Power Mode Selection

The SK170LC provides four work modes:

- **H Mode** Heavy-duty excavation work, gives priority to the workload at high speed (default mode)
- **S Mode** Standard digging and loading work, provides fuel savings
- **B Mode** Breaker work (1-way hydraulic flow)
- **A Mode** Demolition work with crusher/nibbler-breaker (2-way/2 pump flow)

Change modes easily on the readout display

Auto Warm-up System

The SK170LC features a fully automatic engine and hydraulic warm-up system that warms-up the hydraulic circuit to an optimum 126 degree (F). Auto Warm-up works whenever ambient temperatures drop below 50 degrees (F), improving system efficiency to make you more productive.

Smooth, Powerful Hydraulics

Kobelco performance features are unmatched by the competition.

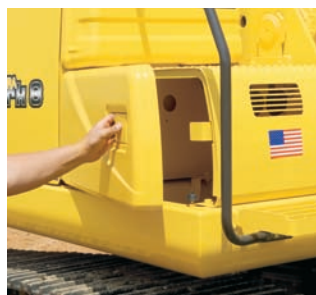
- Power Boost™ provides 10% more bucket breakout force - on command, *"without time limit"*
- Heavy Lift provides 10% more lifting and swing capability – on command, *"without time limit"*
- Independent Travel circuit is exclusive to North American Kobelco products, providing dedicated flow for excavator travel
- Swing priority dedicates power for trenching operations
- Boom and arm holding valves minimize drift for accurate positioning
- Standard high-flow valve can be switched between one-pump flow to two-pump flow from inside the cab for bi-directional auxiliary applications

Easy Ground Level Servicing

Our new Tier III Acera Mark 8 excavators are designed for easy field servicing.

The SK170LC provides ground level access to:

- Side-by-side radiator, oil cooler and intercooler
- Hydraulic pump, tank, hoses and filters
- Batteries, air filter, back-up alarm and other connections
- Daily routine maintenance checks



Tool Box

- Side open tool box w/ground access
- Storage for tools, manuals, boots, lunch box, etc.
- Anti-slip top surface

Designed with attachments in mind

Kobelco doesn't just design excavators; we design excavators for use with attachments.

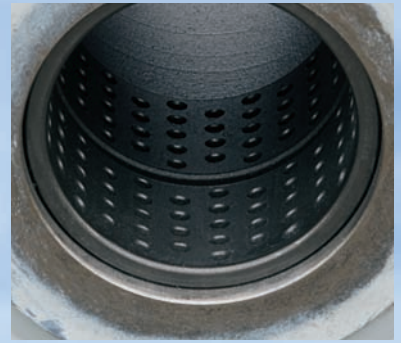
- High-capacity auxiliary hydraulic system is adjustable from inside the cab
- Standard one or two-way auxiliary valve makes it easy to field-install piping and controls for auxiliary hydraulics
- Two auxiliary hydraulic modes permit switching between one-way and two-way flow without leaving the cab to manually switch a valve (with auxiliary hydraulics installed)
- An optional independent flow 'extra' circuit, with dedicated rotary gear pump, provides flow for multi-function attachments that include thumbs or twist buckets



The hydraulic feed to the main pumps is positioned to draw fluid from the side of the hydraulic tank - rather than the tank bottom like many competitors. The hydraulic system utilizes a high capacity, small particle filtration system to provide industry leading maintenance intervals.



Side-by-side radiator, oil cooler and intercooler can be accessed easily for inspection and cleaning. The side-by-side design allows the components to be removed independently. This means the radiator can be removed for service without draining the hydraulic system.



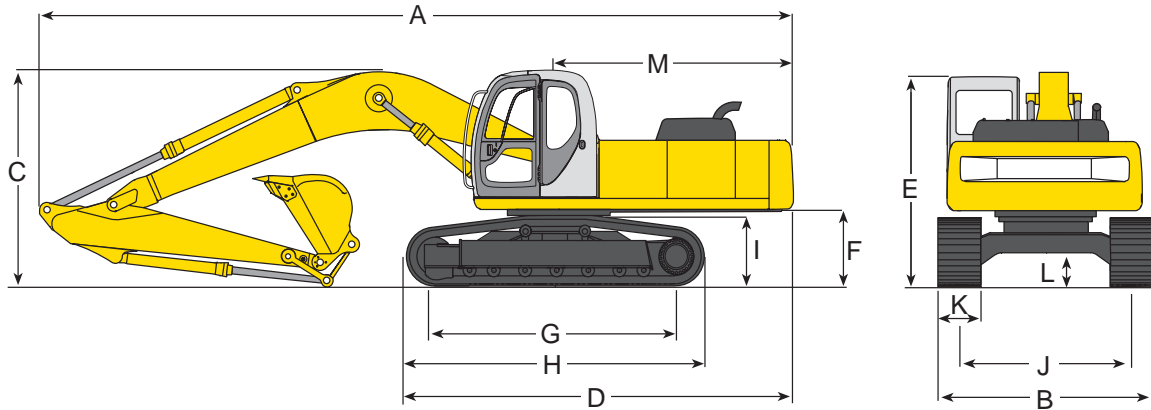
Flanged brass bucket bushings provide long life and extended maintenance intervals.



Dependable 275 cu. in. (4.5 L) 4-cylinder turbo-charged IVECO by FPT™ engine puts out a maximum 387 ft-lbs (525 N.m) of torque.



SK170LC DIMENSIONS, WEIGHTS & BUCKET SELECTION CHART



DIMENSIONS: SK170LC Unit ft-in (m)

ARM LENGTH	10' 2" (3.1)	8' 6" (2.6)
A. Overall length	28' 6" (8.67)	28' 6" (8.67)
B. Overall width (with 600 mm shoe)	8' 6" (2.59)	8' 6" (2.59)
C. Overall height (to top of boom)	9' 6" (2.93)	9' 4" (2.85)
D. Basic machine length	14' 11" (4.54)	14' 11" (4.54)
E. Overall height (to top of cab)*	9' 10" (3.00)	9' 10" (3.00)
F. Ground clearance of rear end*	3' 3" (.996)	3' 4" (1.02)
G. Center distance of tumbler	10' 9" (3.28)	10' 9" (3.28)
H. Overall length of crawler	13' 5" (4.08)	13' 5" (4.08)
I. Crawler height at tumbler center*	37.4" (950 mm)	37.4" (950 mm)
J. Track gauge	6' 6" (1.99)	6' 6" (1.99)
K. Width of crawler shoe	23.6" (600 mm)	23.6" (600 mm)
L. Ground clearance of undercarriage*	18.8" (473 mm)	19.8" (503 mm)
M. Tail swing radius	8' 3" (2.52)	8' 3" (2.52)

*Excludes height of grouser bar.

WEIGHTS: SK170LC with 10'2" std. HD arm, and bucket weighing 1,122 lbs (509 kg)

SHOE WIDTH	in (mm)	23.6" (600)	31.5" (800)
Machine overall width	ft-in (mm)	8' 6" (2,590)	9' 2" (2,790)
Ground pressure	psi (kPa)	5.70 (39.3)	4.44 (30.6)
Operating weight	lb (kg)	37,800 (17,136)	39,200 (17,800)

SHIPPING DIMENSIONS

Height	ft-in (m)	9' 10" (3.0)
Width w/std. shoe	ft-in (m)	8' 6" (2.59)
Length	ft-in (m)	28' 6" (8.68)



BUCKET SELECTION CHART

Bucket Duty	Capacity (SAE)		Width		Bucket		Arm ft-in (m)	
	Cubic Yard	(m³)	Inches	(m)	Weight lb	(kg)	10' 2" (3.1)	8' 6" (2.6)
GENERAL	.45	(.344)	20	(.508)	1,045	(474)	H	H
	.58	(.443)	24	(.609)	1,120	(508)	H	H
	.77	(.589)	30	(.762)	1,280	(581)	M	H
	.97	(.742)	36	(.914)	1,395	(633)	L	M
	1.16	(.887)	42	(1.067)	1,550	(703)	X	L
	1.36	(1.040)	48	(1.219)	1,710	(776)	X	L
HEAVY DUTY	.45	(.344)	20	(.508)	1,120	(508)	H	H
	.58	(.443)	24	(.609)	1,200	(544)	H	H
	.77	(.589)	30	(.762)	1,365	(619)	M	H
	.97	(.742)	36	(.914)	1,485	(678)	L	M
	1.16	(.887)	42	(1.067)	1,660	(753)	X	L
SEVERE DUTY	.56	(.428)	26	(.660)	1,405	(637)	H	H
	.69	(.528)	31	(.787)	1,540	(698)	M	H
	.85	(.650)	37	(.940)	1,740	(789)	L	M

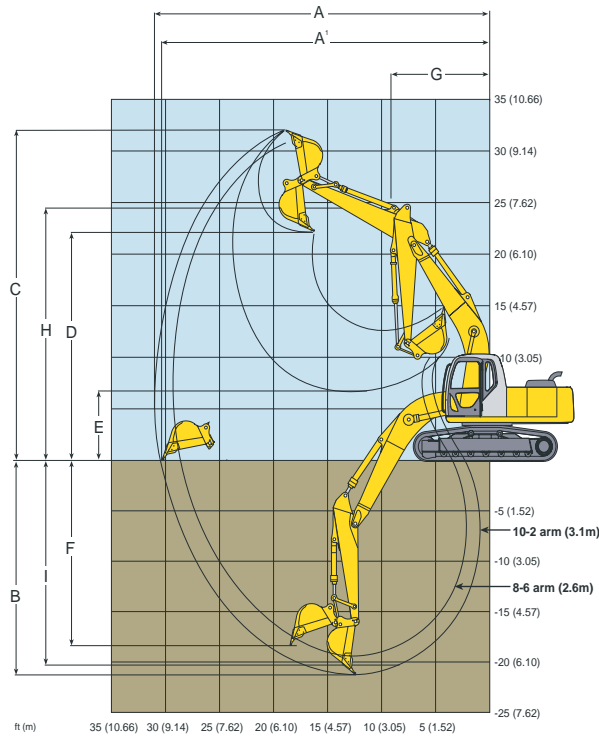
H - Used with material weight up to 3,000 lbs/cu yd (1,780 kg/m³)

M - Used with material weight up to 2,500 lbs/cu yd (1,483 kg/m³)

L - Used with material weight up to 2,000 lbs/cu yd (1,186 kg/m³)

X - Not recommended

SK170LC SPECIFICATIONS



This chart is a graphic representation of the working ranges for the SK170LC equipped with a 10' 2" (3.1 m) arm.

PERFORMANCE

Travel speed	mph (km/h)	3.2/1.9(5.1/3.1)
Swing speed	rpm	11
Gradeability	degrees (%)	35 (70)
Drawbar pulling force	lbs (kN)	38,555 (171.5)
Swing torque	lb-ft (kN • m)	38,722 (52.5)

SPECIFICATION SUMMARY

GENERAL

Operating weight with bucket	lb (kg)	37,800 (17,146)
Bucket capacity range	cu yd (m ³)	.45-1.36 (.34-1.04)

ENGINE

Make and model	IVECO by FPT™	F4GE9484D*J6
Displacement	cu in (L)	275 (4.5)
Bore and stroke	in (mm)	4.09"x5.2" (104x132)
Horsepower SAE NET	HP(kW)@RPM	121@2,200 (90@2,200)

WORKING RANGES

	(Std. arm)		
Standard arm	ft-in (m)	10' 2"	(3.1)
Bucket digging force	lb (kN)	24,900	(113)
Arm digging force	lb (kN)	17,200	(78)
Ground level reach	ft-in (m)	30' 6"	(9.30)
Digging depth (max.)	ft-in (m)	21' 5"	(6.52)
Dumping height (max.)	ft-in (m)	22' 11"	(6.97)
Vertical wall digging depth	ft-in (m)	18' 0"	(5.49)
Max. lift capacity-side	lb (kg)	8,111	(3,679)
@ 15' radius & ground level-front	lb (kg)	13,757	(6,240)

WORKING RANGES Unit ft-in (m)

ATTACHMENTS

	Standard Arm 10' 2" (3.1)	Optional Arm 8' 6" (2.6)
A. Max digging reach	31' 1" (9.47)	29' 6" (8.98)
A'. Max digging reach at ground level	30' 6" (9.30)	28' 10" (8.80)
B. Max digging depth	21' 5" (6.52)	19' 9" (6.02)
C. Max digging height	31' 7" (9.62)	30' 5" (9.26)
D. Max dumping clearance	22' 11" (6.97)	21' 9" (6.63)
E. Min dumping clearance	6' 11" (2.11)	8' 7" (2.61)
F. Max vertical wall digging depth	18' 0" (5.49)	16' 3" (4.95)
G. Min front swing radius	9' 5" (2.86)	9' 3" (2.83)
H. Height at min swing radius	24' 3" (7.38)	24' 3" (7.38)
I. Digging depth for 8' (2.4m) flat bottom	20' 9" (6.33)	19' 0" (5.80)

Measurements shown are for machines equipped with the 0.82 cu. yd. (0.63 m³) bucket

DIGGING FORCE Unit lbf (kgf)

		10' 2" (3.1 m) Arm	8' 6" (2.6 m) Arm
Bucket digging force	ISO	28,000* (12,700)*	28,000* (12,700)*
Bucket digging force	SAE	24,900* (11,300)*	24,900* (11,300)*
Arm crowding force	ISO	17,700* (8,020)*	20,275* (9,195)*
Arm crowding force	SAE	17,200* (7,800)*	19,700* (8,935)*

*Power Boost engaged

REFILLING CAPACITIES Unit: US gal (liters)

Fuel tank	68.7	(260)
Hydraulic oil reservoir	40.7	(154)
Hydraulic system including oil reservoir	64.7	(245)
Cooling system	4.2	(16)
Lubrication: Engine oil	3.8	(14.5)

HYDRAULIC SYSTEM

Hydraulic pump(s)	No & type	2 VP + 1 FG
Max. rated discharge flow	gpm(L/min)	2x37.8+5.8 (2x143+21)
Operating Pressure	Implement-psi (MPa)	4,980 (34.3)
Pilot-psi	(MPa)	725 (5)
Travel-psi	(MPa)	4,980 (34.3)
Swing-psi	(MPa)	4,060 (28)
Heavy lift-psi/Power boost	(MPa)	5,470 (37.8)
Control valves		8 spool

UNDERCARRIAGE

Track overall length	ft-in (m)	13' 5" (4.08)
Track overall width w/std. shoe	ft-in (m)	8' 6" (2.59)
Track shoe selection	in (mm)	24"/32" (600/800)
Travel speed	mph (km/h)	3.2/1.9 (5.1/3.1)
Draw bar pull	lb (kN)	38,555 (171.5)
Ground bearing pressure	psi (kPa)	5.70 (39.3)
Ground clearance	in (mm)	18.8" (474)

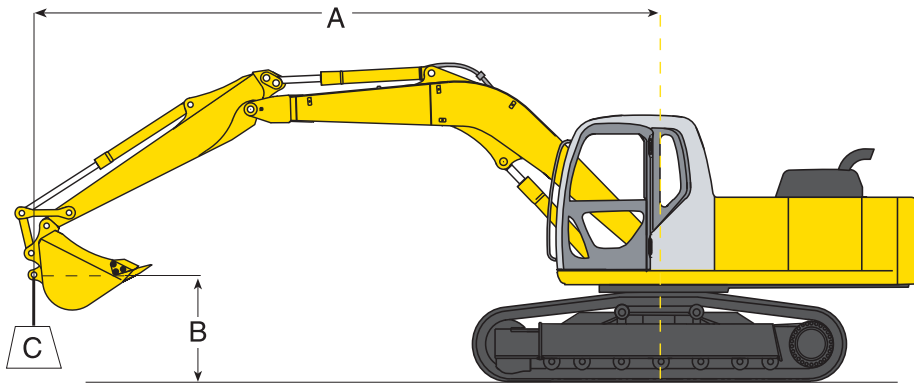
SWING

Swing speed	rpm	11
Tail swing radius	ft-in (m)	8' 3" (2.52)
Swing torque	lb-ft (kN • m)	38,722 (52.5)



SK170LC LIFT CAPACITIES — 10' 2" Arm













LIFTING CAPACITY DIAGRAM



- A Reach swing centerline to bucket hook
- B Bucket hook height above/below ground
- C Lifting capacities in pounds and kilograms
 - Max discharge pressure: 5,470 psi (385 kg/cm²)
 - Track shoe: 23.6" (600 mm) Triple grouser
 - Boom: 18' 6" (5.65 m)

LIFTING CAPACITY — 23.6" (600 mm) triple grouser shoe

Based on machine equipped with — Arm: 10' 2" (3.10 m) Bucket: SAE heaped 0.82 cu. yd. (0.63 m³) bucket

A \ B		LIFT POINT RADIUS										AT MAX. REACH		
		5' (1.5 m)		10' (3.0 m)		15' (4.6 m)		20' (6.1 m)		25' (7.6 m)		RADIUS		
														RADIUS
25'	lb							*3,942	*3,942			3,508	3,508	20' 4"
(7.6 m)	kg							*1,788	*1,788			1,591	1,591	(6.19 m)
20'	lb							*6,845	6,821			3,201	*3,201	24' 1"
(6.1 m)	kg							*3,105	3,094			1,452	*1,452	(7.34 m)
15'	lb							*8,331	6,605	*5,428	4,383	3,131	*3,131	26' 5"
(4.6 m)	kg							*3,779	2,996	*2,462	1,988	1,420	*1,420	(8.05 m)
10'	lb					*11,532	9,808	*9,619	6,184	6,748	4,198	3,234	*3,234	27' 9"
(3.0 m)	kg					*5,231	4,449	*4,363	2,805	3,061	1,904	1,467	*1,467	(8.45 m)
5'	lb			*23,660	16,896	*14,414	8,838	9,273	5,725	6,508	3,975	3,494	3,223	28' 0"
(1.5 m)	kg			*10,732	7,664	*6,538	4,009	4,206	2,597	2,952	1,803	1,585	1,462	(8.54 m)
Ground Level	lb	*7,714	*7,714	*20,044	15,417	13,757	8,111	8,852	5,344	6,301	3,781	3,975	3,241	27' 5"
	kg	*3,499	*3,499	*9,092	6,993	6,240	3,679	4,015	2,424	2,858	1,715	1,803	1,470	(8.36 m)
-5'	lb	*12,798	*12,798	*22,926	15,040	13,345	7,754	8,607	5,121	6,197	3,684	4,833	3,501	25' 10"
(-1.5 m)	kg	*5,805	*5,805	*10,399	6,822	6,053	3,517	3,904	2,323	2,811	1,671	2,192	1,588	(7.89 m)
-10'	lb	*18,552	*18,552	*24,017	15,183	13,300	7,714	8,583	5,099			6,557	4,162	23' 2"
(-3.0 m)	kg	*8,415	*8,415	*10,894	6,887	6,033	3,499	3,893	2,313			2,974	1,888	(7.07 m)
-15'	lb	*26,365	*26,365	*18,254	15,787	*12,328	8,018					*9,242	6,030	18' 6"
(-4.6 m)	kg	*11,959	*11,959	*8,280	7,161	*5,592	3,637					*4,192	2,735	(5.63 m)



Rating over front















Rating over side/360 degrees

Notes:

1. Do not attempt to lift or hold any load that exceeds these rated values at their specified load radii and heights. Weight of all accessories must be deducted from the above lifting capacities.
2. Lifting capacities assume a machine standing on a level, firm, and uniform supporting surface. Operator must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, inexperienced personnel, weight of various other buckets, lifting slings, attachments, etc.
3. Ratings at bucket lift hook.
4. The above rated loads are in compliance with ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Rated loads 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 Manuals before operating this machine. Rules for safe operation of equipment should be followed at all times.
6. Capacities apply only to the machine as originally manufactured and normally equipped by KOBELCO Construction Machinery America LLC.













LIFTING CAPACITY – 27.6" (700 mm) triple grouser shoe

Based on machine equipped with — Arm: 10' 2" (3.10 m) Bucket: SAE heaped 0.82 cu. yd. (0.63 m³) bucket

A \ B		LIFT POINT RADIUS										AT MAX. REACH		
		5' (1.5 m)		10' (3.0 m)		15' (4.6 m)		20' (6.1 m)		25' (7.6 m)				
														RADIUS
25' (7.6 m)	lb kg							*3,942 *1,788	*3,942 *1,788			3,508 1,591	3,508 1,591	20' 4" (6.19 m)
20' (6.1 m)	lb kg							*6,845 *3,105	*6,845 *3,105			3,201 1,452	*3,201 *1,452	24' 1" (7.34 m)
15' (4.6 m)	lb kg							*8,331 *3,779	6,700 3,039	*5,428 *2,462	4,456 2,021	3,131 1,420	*3,131 *1,420	26' 5" (8.05 m)
10' (3.0 m)	lb kg					*11,532 *5,231	9,943 4,510	*9,619 *4,363	6,277 2,847	6,861 3,112	4,270 1,937	3,234 1,467	*3,234 *1,467	27' 9" (8.45 m)
5' (1.5 m)	lb kg			*23,660 *10,732	17,145 7,777	*14,414 *6,538	8,975 4,071	9,420 4,273	5,820 2,640	6,620 3,003	4,048 1,836	3,494 1,585	3,287 1,491	28' 0" (8.54 m)
Ground Level	lb kg	*7,714 *3,499	*7,714 *3,499	*20,044 *9,092	15,664 7,105	13,977 6,340	8,245 3,740	8,999 4,082	5,439 2,467	6,413 2,909	3,854 1,748	3,975 1,803	3,305 1,499	27' 5" (8.36 m)
-5' (-1.5 m)	lb kg	*12,798 *5,805	*12,798 *5,805	*22,926 *10,399	15,287 6,934	13,565 6,153	7,888 3,578	8,755 3,971	5,216 2,366	6,310 2,862	3,759 1,705	4,833 2,192	3,571 1,620	25' 10" (7.89 m)
-10' (-3.0 m)	lb kg	*18,552 *8,415	*18,552 *8,415	*24,017 *10,894	15,430 6,999	13,521 6,133	7,851 3,561	8,730 3,960	5,194 2,356			6,557 2,974	4,242 1,924	23' 2" (7.07 m)
-15' (-4.6 m)	lb kg	*26,365 *11,959	*26,365 *11,959	*18,254 *8,280	16,034 7,273	*12,328 *5,592	8,153 3,698					*9,242 *4,192	6,135 2,783	18' 6" (5.63 m)

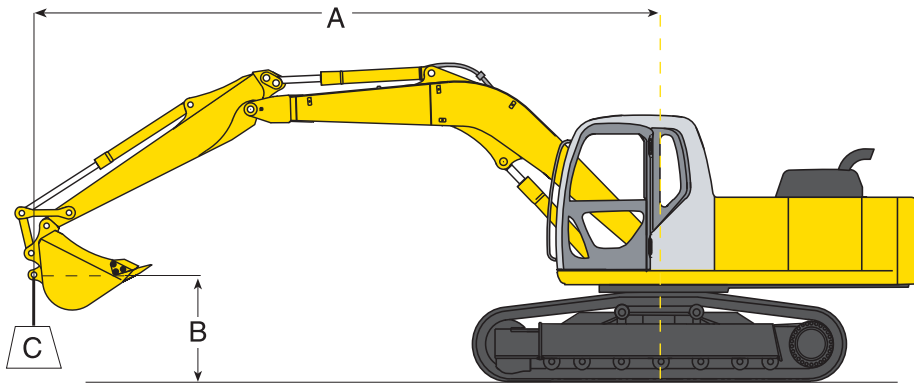
LIFTING CAPACITY – 31.5" (800 mm) triple grouser shoe

Based on machine equipped with — Arm: 10' 2" (3.10 m) Bucket: SAE heaped 0.82 cu. yd. (0.63 m³) bucket

A \ B		LIFT POINT RADIUS										AT MAX. REACH		
		5' (1.5 m)		10' (3.0 m)		15' (4.6 m)		20' (6.1 m)		25' (7.6 m)				
														RADIUS
25' (7.6 m)	lb kg							*3,942 *1,788	*3,942 *1,788			3,508 1,591	3,508 1,591	20' 4" (6.19 m)
20' (6.1 m)	lb kg							*6,845 *3,105	*6,845 *3,105			3,201 1,452	*3,201 *1,452	24' 1" (7.34 m)
15' (4.6 m)	lb kg							*8,331 *3,779	6,729 3,052	*5,428 *2,462	4,478 2,031	3,131 1,420	*3,131 *1,420	26' 5" (8.05 m)
10' (3.0 m)	lb kg					*11,532 *5,231	9,983 4,528	*9,619 *4,363	6,305 2,860	6,894 3,127	4,292 1,947	3,234 1,467	*3,234 *1,467	27' 9" (8.45 m)
5' (1.5 m)	lb kg			*23,660 *10,732	17,218 7,810	*14,414 *6,538	9,015 4,089	9,464 4,293	5,849 2,653	6,654 3,018	4,068 1,845	3,494 1,585	3,305 1,499	28' 0" (8.54 m)
Ground Level	lb kg	*7,714 *3,499	*7,714 *3,499	*20,044 *9,092	15,739 7,139	14,043 6,370	8,285 3,758	9,043 4,102	5,465 2,479	6,446 2,924	3,876 1,758	3,975 1,803	3,325 1,508	27' 5" (8.36 m)
-5' (-1.5 m)	lb kg	*12,798 *5,805	*12,798 *5,805	*22,926 *10,399	15,360 6,967	13,631 6,183	7,928 3,596	8,799 3,991	5,245 2,379	6,343 2,877	3,779 1,714	4,833 2,192	3,591 1,629	25' 10" (7.89 m)
-10' (-3.0 m)	lb kg	*18,552 *8,415	*18,552 *8,415	*24,017 *10,894	15,505 7,033	13,587 6,163	7,890 3,579	8,774 3,980	5,223 2,369			6,557 2,974	4,266 1,935	23' 2" (7.07 m)
-15' (-4.6 m)	lb kg	*26,365 *11,959	*26,365 *11,959	*18,254 *8,280	16,109 7,307	*12,328 *5,592	8,192 3,716					*9,242 *4,192	6,166 2,797	18' 6" (5.63 m)

SK170LC LIFT CAPACITIES — 8' 6" Arm













LIFTING CAPACITY DIAGRAM



- A Reach swing centerline to bucket hook
- B Bucket hook height above/below ground
- C Lifting capacities in pounds and kilograms
 - Max discharge pressure: 5,470 psi (385 kg/cm²)
 - Track shoe: 23.6" (600 mm) Triple grouser
 - Boom: 18' 6" (5.65 m)

LIFTING CAPACITY — 23.6" (600 mm) triple grouser shoe

Based on machine equipped with — Arm: 8' 6" (2.60 m) Bucket: SAE heaped .82 cu. yd. (0.63 m³) bucket

A \ B		LIFT POINT RADIUS										AT MAX. REACH					
		5' (1.5 m)		10' (3.0 m)		15' (4.6 m)		20' (6.1 m)		25' (7.6 m)		RADIUS					
																	
25' (7.6 m)	lb kg														4,722 2,142	*4,722 *2,142	17' 7" (5.37 m)
20' (6.1 m)	lb kg							*6,956 *3,155	6,629 3,007						4,319 1,959	*4,319 *1,959	21' 11" (6.67 m)
15' (4.6 m)	lb kg							*9,140 *4,146	6,446 2,924						4,275 1,939	*4,275 *1,939	24' 5" (7.44 m)
10' (3.0 m)	lb kg			*19,046 *8,639	18,847 8,549	*12,723 *5,771	9,528 4,322	9,632 4,369	6,061 2,749	*6,671 *3,026	4,131 1,874	4,486 2,035	3,869 1,755	25' 10" (7.88 m)			
5' (1.5 m)	lb kg			*22,342 *10,134	16,292 7,390	14,368 6,517	8,653 3,925	9,182 4,165	5,653 2,564	6,475 2,937	3,948 1,791	4,945 2,243	3,644 1,653	26' 2" (7.97 m)			
Ground Level	lb kg			*19,575 *8,879	15,351 6,963	13,684 6,207	8,060 3,656	8,832 4,006	5,335 2,420	6,318 2,866	3,803 1,725	5,776 2,620	3,682 1,670	25' 6" (7.77 m)			
-5' (-1.5 m)	lb kg	*14,916 *6,766	*14,916 *6,766	*25,082 *11,377	15,245 6,915	13,411 6,083	7,822 3,548	8,662 3,929	5,181 2,350			6,715 3,046	4,034 1,830	23' 10" (7.26 m)			
-10' (-3.0 m)	lb kg	*21,894 *9,931	*21,894 *9,931	*22,439 *10,178	15,529 7,044	13,477 6,133	7,882 3,575	8,728 3,959	5,243 2,378			8,236 3,736	4,965 2,252	20' 10" (6.36 m)			
-15' (-4.6 m)	lb kg			*15,397 *6,984	*15,397 *6,984	*10,278 *4,662	8,325 3,776					*9,938 *4,508	8,064 3,658	15' 5" (4.71 m)			



Rating over front















Rating over side/360 degrees

Notes:

1. Do not attempt to lift or hold any load that exceeds these rated values at their specified load radii and heights. Weight of all accessories must be deducted from the above lifting capacities.
2. Lifting capacities assume a machine standing on a level, firm, and uniform supporting surface. Operator must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, inexperienced personnel, weight of various other buckets, lifting slings, attachments, etc.
3. Ratings at bucket lift hook.
4. The above rated loads are in compliance with ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Rated loads 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 Manuals before operating this machine. Rules for safe operation of equipment should be followed at all times.
6. Capacities apply only to the machine as originally manufactured and normally equipped by KOBELCO Construction Machinery America LLC.













LIFTING CAPACITY – 27.6" (700 mm) triple grouser shoe

Based on machine equipped with — Arm: 8' 6" (2.60 m) Bucket: SAE heaped .82 cu. yd. (0.63 m³) bucket

A \ B		LIFT POINT RADIUS										AT MAX. REACH		
		5' (1.5 m)		10' (3.0 m)		15' (4.6 m)		20' (6.1 m)		25' (7.6 m)				
														RADIUS
25' (7.6 m)	lb kg											4,722 2,142	*4,722 *2,142	17' 7" (5.37 m)
20' (6.1 m)	lb kg							*6,956 *3,155	6,722 3,049			4,319 1,959	*4,319 *1,959	21' 11" (6.67 m)
15' (4.6 m)	lb kg							*9,140 *4,146	6,541 2,967			4,275 1,939	*4,275 *1,939	24' 5" (7.44 m)
10' (3.0 m)	lb kg			*19,046 *8,639	*19,046 *8,639	*12,723 *5,771	9,665 4,384	9,780 4,436	6,155 2,792	*6,671 *3,026	4,204 1,907	4,486 2,035	*3,940 *1,787	25' 10" (7.88 m)
5' (1.5 m)	lb kg			*22,342 *10,134	16,539 7,502	14,588 6,617	8,788 3,986	9,330 4,232	5,747 2,607	6,585 2,987	4,021 1,824	4,945 2,243	3,713 1,684	26' 2" (7.97 m)
Ground Level	lb kg			*19,575 *8,879	15,598 7,075	13,907 6,308	8,195 3,717	8,979 4,073	5,428 2,462	6,429 2,916	3,876 1,758	5,776 2,620	3,752 1,702	25' 6" (7.77 m)
-5' (-1.5 m)	lb kg	*14,916 *6,766	*14,916 *6,766	*25,082 *11,377	15,494 7,028	13,631 6,183	7,959 3,610	8,812 3,997	5,276 2,393			6,832 3,099	4,112 1,865	23' 10" (7.26 m)
-10' (-3.0 m)	lb kg	*21,894 *9,931	*21,894 *9,931	*22,439 *10,178	15,776 7,156	13,697 6,213	8,016 3,636	8,878 4,027	5,337 2,421			8,378 3,800	5,055 2,293	20' 10" (6.36 m)
-15' (-4.6 m)	lb kg			*15,397 *6,984	*15,397 *6,984	*10,278 *4,662	8,461 3,838					*9,938 *4,508	8,195 3,717	15' 5" (4.71 m)

LIFTING CAPACITY – 31.5" (800 mm) triple grouser shoe

Based on machine equipped with — Arm: 8' 6" (2.60 m) Bucket: SAE heaped .82 cu. yd. (0.63 m³) bucket

A \ B		LIFT POINT RADIUS										AT MAX. REACH		
		5' (1.5 m)		10' (3.0 m)		15' (4.6 m)		20' (6.1 m)		25' (7.6 m)				
														RADIUS
25' (7.6 m)	lb kg											4,722 2,142	*4,722 *2,142	17' 7" (5.37 m)
20' (6.1 m)	lb kg							*6,956 *3,155	6,751 3,062			4,319 1,959	*4,319 *1,959	21' 11" (6.67 m)
15' (4.6 m)	lb kg							*9,140 *4,146	6,570 2,980			4,275 1,939	*4,275 *1,939	24' 5" (7.44 m)
10' (3.0 m)	lb kg			*19,046 *8,639	*19,046 *8,639	*12,723 *5,771	9,705 4,402	9,824 4,456	6,182 2,804	*6,671 *3,026	4,226 1,917	4,486 2,035	3,959 1,796	25' 10" (7.88 m)
5' (1.5 m)	lb kg			*22,342 *10,134	16,614 7,536	14,654 6,647	8,827 4,004	9,374 4,252	5,776 2,620	6,618 3,002	4,043 1,834	4,945 2,243	3,735 1,694	26' 2" (7.97 m)
Ground Level	lb kg			*19,575 *8,879	15,670 7,108	13,971 6,337	8,236 3,736	9,024 4,093	5,456 2,475	6,462 2,931	3,898 1,768	5,776 2,620	3,772 1,711	25' 6" (7.77 m)
-5' (-1.5 m)	lb kg	*14,916 *6,766	*14,916 *6,766	*25,082 *11,377	15,567 7,061	13,697 6,213	7,998 3,628	8,856 4,017	5,304 2,406			6,867 3,115	4,134 1,875	23' 10" (7.26 m)
-10' (-3.0 m)	lb kg	*21,894 *9,931	*21,894 *9,931	*22,439 *10,178	15,851 7,190	13,763 6,243	8,056 3,654	8,922 4,047	5,364 2,433			8,417 3,818	5,082 2,305	20' 10" (6.36 m)
-15' (-4.6 m)	lb kg			*15,397 *6,984	*15,397 *6,984	*10,278 *4,662	8,501 3,856					*9,938 *4,508	8,232 3,734	15' 5" (4.71 m)

ACERA Mark 8™



SK170LC Standard and Optional Equipment

STANDARD EQUIPMENT

- AM/FM radio
- Arm: 10' 2" (3.1 m) with vertical ribbed rock guard, tapped blocks, ready for auxiliary attachments
- Audible warning system for high coolant temperature, low engine oil pressure, clogged air filter and oil replacement interval
- Auxiliary valve with flow control
- Boom, 18' 6" (5.65 m)
- Boom and arm holding (anti-drift) valves
- Cab is die formed, modular steel full-vision, sound insulated, with viscous silicon-filled mounts, windshield wiper, heater and defroster, cigarette lighter, ashtray, floor mat, cab light, control lever lock, tinted skylight with damper cylinder
- Climate control air conditioning/heating system
- Counterweight 6,613 lbs. (3,000 kg)
- Display monitor mounted on multi-function console provides status of following: aging of engine oil, fuel and hydraulic filters, system status, engine preheat, low engine oil pressure, engine coolant temperature, air cleaner restriction, battery charging, fuel level, CPU error and tachometer. Beneath monitor are switches for auto-decel, windshield washer and wiper, mode selector, one/two pump auxiliary hydraulics and swing flashers
- Dual element air cleaner
- Electric horn
- Engine shuts down automatically for low oil pressure
- Heavy duty batteries (2 x12 volt 136 AH)
- Heavy Lift and Power Boost *"without time limit"*
- Hydraulic track tension adjusters
- Independent travel
- Lifetime lubricated track rollers, idlers and sprockets
- Engine model IVECO by FPT™ F4GE9484D*JG
- Mode selection:
 - H Mode — Heavy-duty excavation work
 - S Mode — Standard digging and loading work
 - B Mode — Breaker work
 - A Mode — Demolition work with crusher/nibbler-breaker
- Power outlet, 24 volt to 12 volt converter
- Proportional auto accel system
- Removable clean out screens for side-by-side radiator, oil cooler and turbo charger intercooler
- Removable travel levers with toe tabs

- Right side control panel includes key switch (diesel engine), throttle and other operating switches
- Self-lubricating bushings in boom foot and boom hoist cylinders
- Lubricated steel bushing with flanged insert at arm end
- Service diagnostics:
 - Computer system displays 68 service items 60 event fault code memory, accessible from cab
- Starting motor (24 V/4.0 kW) 70 amp alternator
- Straight travel system
- Suspension seat — 7-way adjustable with safety belt
- Swing and travel automatic parking brakes
- Swing flashers recessed into counterweight. Off/on switch located on multi-function console in cab
- Swing priority (trenching system) functions automatically
- Swing shockless valve
- Tool box with side access door
- Track shoes: 23.6" (600 mm) semi-triple grouser shoes
- Travel—two speed with automatic shift
- Two lever control for boom, arm, bucket and swing; pilot operated wrist controls and foot pedals
- Warm up function of engine and hydraulic system functions automatically
- Work lights —three front and two rear

OPTIONAL EQUIPMENT

- Arm: 8'6" (2.6 m) with vertical ribbed rock guard
- Belly pan guard
- Boom and arm load (lock) valves
- Combined one-way or two-way auxiliary hydraulic piping (one or two pump) with hand or foot controls.
- Control pattern changer (ISO/BHL)
- Front rain visor
- Independent pump auxiliary rotation hydraulic system
- Large selection of buckets
- Track shoe: 27.6" (700 mm) double bar grouser
- Track shoe: 31.5" (800 mm) triple bar grouser
- Vandalism guards

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