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.
Specialist equipment is needed to use this machine in demolition work. Before using it please contact your KOBELCO dealer.
Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice.

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Inquiries To:

SK130_SK140LC-10E_SEASIA-C_301_2308XX_EF

KOBELCO

SK130 SK140LC

To cities, forests, and all kinds of sites around the world.

Kobelco's innovations have created "earth-friendly construction machines" that play important roles at a diverse range of construction sites throughout the world.
They increase productivity on all types of projects thanks to their power, durability, and outstanding fuel efficiency.
While boasting low fuel consumption, the SK130 and SK140LC are state-of-the-art machines that achieve even greater efficiency.
Featuring strong durability and easy maintenance, they're put to powerful use on all kinds of construction sites.
Their high performance exceeds expectations.
Kobelco is focused on the future of the global environment, striving to provide greater work efficiency and reduce life-cycle costs, as well as offering a new sense of value that's ahead of the times.

GENERATION 10

KOBELCO

SK130

SK130 SK140LC

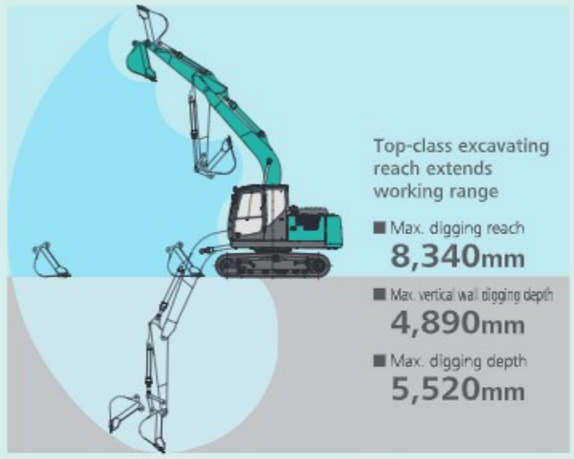
More operable. Durable.
Better performance.

Upper Structure

Cooling System

The oil cooler has been changed from a two-layer to a one-layer type. This prevents dust from collecting in the gaps, helping to maintain the cooling function.

Get More Done Faster with Superior Operability

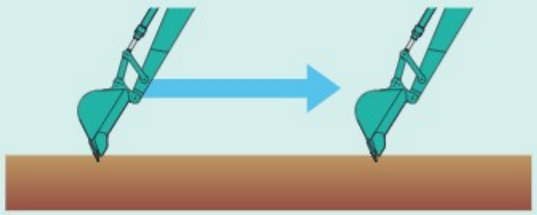


*1 Values are for STD arm (2.38m)
*2 Without including height of shoe

Improved Workability

Speedy combined operations

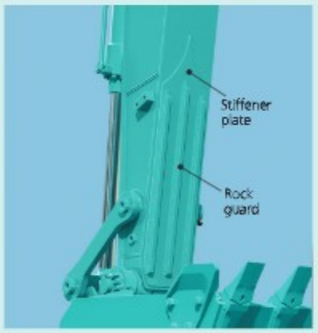
Combined attachment operations, such as horizontal pulling to operate the boom and arm at the same time, are also nimble and smooth, making it possible to work faster.



Attachment/Equipment

Reinforced Attachments

There is a new long arm.
Additionally, rock guard reinforcement can now be attached to the tip.
The shape of the lower plate has been optimized for logging work, and the arm strength is enhanced.



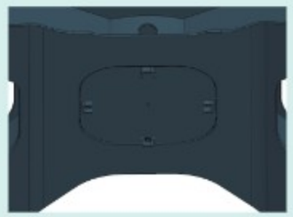
Travel System

Reinforced Guide Frame

Reinforced guide frame prevents deformation caused by impact or encroaching of loose stones.

Reinforced Undercover

Reinforced undercover protects the piping and other components from damage caused by accidental contact with branches, debris and other obstacles.



We're always pursuing fuel efficiency.

Reduced fuel consumption in ECO-mode

ECO-mode: Engineered for Economy

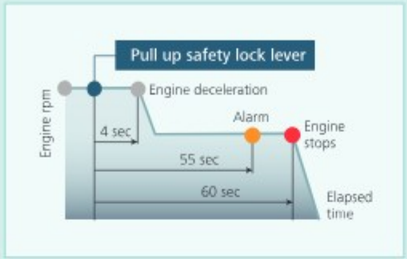
Kobelco's ECO-mode maximizes the operating efficiency of the engine and other components to achieve much greater fuel efficiency. Just press a button to choose the operation mode best suited to the task at hand and the working conditions.

■ Optimal operation with three modes

H H-mode • • • Maximum power for maximum productivity on your toughest jobs

S S-mode • • • Ideal balance of productivity and fuel efficiency for a range of urban engineering projects

E ECO-mode • • • Minimum fuel consumption for utility projects and other work that demands precision



AIS (Auto Idle Stop)

If the safety lock lever is lifted up, the engine will stop automatically.
This eliminates wasteful idling during standby, saving fuel and reducing CO_2 emissions as well.

Hydraulic system engineered to reduce energy loss

Kobelco' s proprietary hydraulic systems offer hydraulic line positioning that reduces friction resistance and valves designed for higher efficiency, minimizing energy loss throughout the system.

Operator-friendly Features Include Controls that Are Easy to See, Easy to Use

Multi-Display in Color

Brilliant colors and graphic displays are easy to recognize on the LCD multi-display in the console. The display shows fuel consumption, maintenance intervals, and more.

Fuel consumption

Maintenance

1. Analog gauge provides an intuitive reading of fuel level and engine water temperature
2. Green indicator light shows low fuel consumption during operation
3. Fuel consumption/Switch indicator for rear camera images
4. Digging mode switch
5. Monitor display switch

One-Touch Attachment Mode Switch

A simple touch of a button, switches the hydraulic circuit and flow amount to match attachment changes. Icons help the operator to confirm the proper configuration at a glance.

Breaker mode

Nibbler mode

Compatible with Biofuel

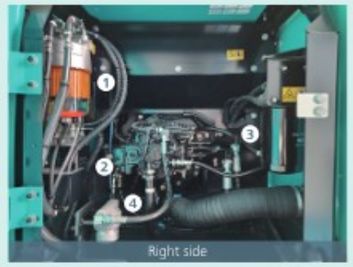
Biofuel may be used with Kobelco machinery, reducing environmental impact and supporting business.
*For more information about using biofuels, please contact the nearest dealer.

Efficient maintenance to sustain high performance.

Maintenance Work, Daily Checks, Etc., Can Be Done from Ground Level

The layout allows for easy access from the ground for many daily checks and regular maintenance tasks.


Left side



Right side

Simple layout for easy access to radiator and cooling system elements

Pre-filter with integrated water separator

Fuel filter

Engine oil filter

Pilot Line Filter

An enlarged cartridge-type pilot filter simplifies maintenance.


Pre air cleaner

Examples of displaying maintenance information

Machine Information Display Function

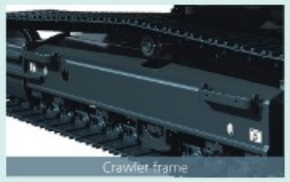
- Displays only the maintenance information that's needed, when it's needed
- Self-diagnostic function provides early-warning detection and display of electrical system malfunctions
- Service-diagnostic function makes it easier to check the status of the machine
- Record function of previous breakdowns including irregular and transient malfunction

More Efficient Maintenance Inside the Cab


Air conditioner filters

Internal and external air conditioner filters can be easily removed without tools for cleaning.

Easy Cleaning


Crawler frame

Special crawler frame design for easy mud removal cleaning.

Long-life hydraulic oil: 2,000 hours

Long-Interval Maintenance

Long-life hydraulic oil reduces cost and labor.

Replacement cycle: 1,000 hours

Highly Durable Premium-fine Filter

The high-capacity hydraulic oil filter incorporates glass fiber with superior cleaning power and durability.


Detachable two-piece floor mat

Detachable two-piece floor mat with handles for easy removal. A floor drain is located under floor mat.


Floor mat with raised edges

Floor mat's raised edges help keep the cab floor free of mud, simplify cleaning.


Engine oil pan

Engine oil pan equipped with drain valve.

Comfortable Cab Is Now Safer than Ever.

A work environment that is quieter and more comfortable. A cab that puts the operator first is key to improved safety.

*Prevention bar shall be equipped on the right side window.

*Prevention bar shall be equipped on the right side window.

Comfort

Super-Airtight Cab

The high level of air-tightness keeps dust out of the cab.

Quiet Inside

The high level of air-tightness ensures a quiet, comfortable cabin interior.

Low Vibration

Coil springs absorb small vibrations, and high suspension mounts filled with silicone oil reduce heavy vibration. The long stroke achieved by this system provides excellent protection from vibration.

Anti-theft measures

Theft-prevention brackets have been installed on the ECU, mechatronics, and cluster panels. Their structure makes removal very difficult.

Broad View Liberates the Operator

The front window features one large piece of glass without a center pillar on the right side for a wide, unobstructed view.

Air Conditioner Louvers behind the Seat

The large air-conditioner has louvers on the back pillars that blow from behind and to the right and left of the operator's seat. They can be adjusted to put a direct flow of cool/warm air on the operator, which means a more comfortable operating environment.

More Comfortable Seat Means Higher Productivity

Seat recliner can be pushed back flat

Double slides allow adjustment for optimum comfort

*Armrests are equipped with suspension seats only.

Large Cab Is Easy to Get in and Out of

The expanded cab provides plenty of room for a large door, more headroom and smoother entry and exit.

*Prevention bar shall be equipped on the right side window.

Interior Equipment Adds to Comfort and Convenience

Spacious storage tray

Large cup holder

Safety

ROPS Cab

ROPS (Roll-Over-Protective Structure)-compliant cab clears ISO standards (ISO-12117-2: 2008) and ensures greater safety for the operator should the machine tip over.

Standard 3 LED Lights

Bright LED lights ensure visibility even during night work.
(one for boom, one for right storage box, and one for Cab)

Expanded Field of View for Greater Safety

Rearview mirrors left and right

Greater safety assured by rearview mirrors on left and right.

Hand rail

Prevention bar for leaning out of window

Hammer for emergency exit

KOMEXS KOBELCO MONITORING EXCAVATOR SYSTEM


Customer


KOBELCO office


KOBELCO service personnel

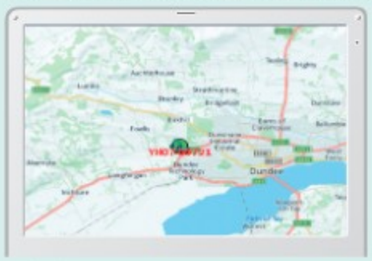
Remote Monitoring for Peace of Mind

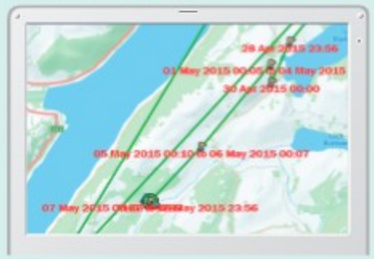
KOMEXS uses satellite communication and internet to relay data, and therefore can be deployed in areas where other forms of communication are difficult.
When a hydraulic excavator is fitted with this system, data on the machine's operation, such as operating hours, location, fuel consumption, and maintenance status can be obtained remotely.

Direct Access to Operational Status

Location Data

•Accurate location data can be obtained even from sites where communications are difficult.


Latest location

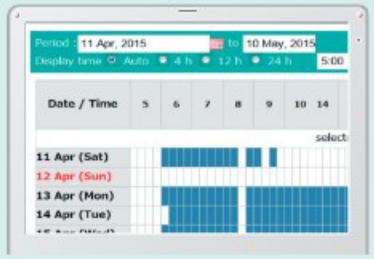


Location records

Work data

Operating Hours

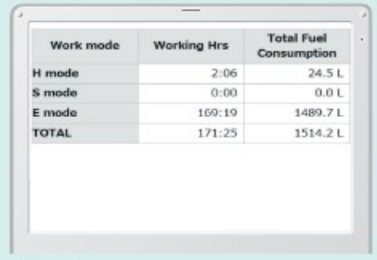
•A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.
•Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.



Daily report

Fuel Consumption Data

•Data on fuel consumption and idling times can be used to indicate improvements in fuel consumption.

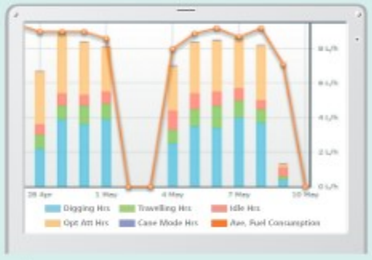


Work mode	Working Hrs	Total Fuel Consumption
H mode	2:06	24.5 L
S mode	0:00	0.0 L
E mode	169:19	1489.7 L
TOTAL	171:25	1514.2 L

Fuel consumption

Graph of Work Content

•The graph shows how working hours are divided among different operating categories, including digging, idling, travelling and optional operations.



Work status

Maintenance Data and Warning Alerts

Machine Maintenance Data

•Provides maintenance status of separate machines operating at multiple sites.
•Maintenance data is also relayed to KOBELCO service personnel, for more efficient planning of periodic servicing.

Model	Serial No.	Hour Meter	Engine Oil
SK135SRLC-3/SK140SRL	YH07-09721	734 Hr	434
	0.38/0.35		
SK135SRLC-3/SK140SRL	YH07-09789	73 Hr	429
	0.38/0.35		
SK210LC-9	YQ13-10454	960 Hr	58
	0.8/0.7		
SK210LC-9	YQ13-10481	549 Hr	498
	0.8/0.7		
SK75SR-	YT08-30374		

Maintenance

Warning Alerts

•This system gives an alert if an anomaly is sensed, preventing damage that could result in machine downtime.

Alarm Information Can Be Received via E-mail

•Alarm information or maintenance notice can be received via e-mail, using a computer or a mobile device.

Alarm messages can be received on a mobile device.

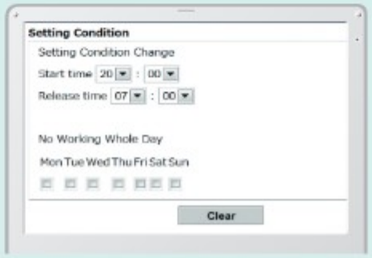
Daily/Monthly Reports

•Operational data downloaded onto a computer helps in formulating daily and monthly reports.

Security System

Engine Start Alarm

•The system can be set up with an alarm if the machine is operated outside designated time.



Engine start alarm outside prescribed work time

Area Alarm

•It can be set up with an alarm if the machine is moved out of its designated area to another location.

Alarm for outside of reset area

Engine

Model	ISUZU 4JJ1
Type	Four cycle, water cooled, overhed camshaft, vertical in-line, direct injection type, with turbocharger
No. of cylinders	4
Bore and stroke	95.4 mm × 104.9 mm
Displacement	2,999 ml
Rated power output	65.4kW / 2,000min⁻¹ (ISO 9249 : with fan)
	73.0kW / 2,000 min⁻¹ (ISO 14396: without fan)
Max. torque	341 N•m / 1,600 min⁻¹ (ISO 9249 : with fan)
	365 N•m / 1,600 min⁻¹ (ISO 14396: without fan)

Hydraulic System

Pump	
Type	Two variable displacement pumps + one gear pump
Max. discharge flow	2 x 130.4 L/min, 1 x 20 L/min
Relief valve setting	
Boom, arm and bucket	34.3 MPa {350 kgf/cm²}
Travel circuit	34.3 MPa {350 kgf/cm²}
Swing circuit	28.0 MPa {286 kgf/cm²}
Control circuit	5.0 MPa {51 kgf/cm²}
Pilot control pump	Gear type
Main control valve	12-Spool valve
Oil cooler	Air cooled type

Swing System

Swing motor	Axial piston pump
Brake	Hydraulic: locking automatically when the swing control lever is in neutral posit
Parking brake	Oil disc brake, hydraulic operated automatically
Swing speed	10.9 min⁻¹(rpm)
Tail swing radius	2,330 mm
Min. front swing radius	2,640 mm

Travel System

Travel motors		2 x axial-piston, two-step motors
Travel brakes		Hydraulic brake per motor
Parking brakes		Oil disc brake per motor
Travel shoes	SK130	44 each side
	SK140LC	46 each side
Travel speed (Low / High)		3.3 / 5.7 km/h
Drawbar pulling force		142 kN (14,500 kgf) SAE
Gradeability		70% {35°}

Cab & Control

Cab
All-weather, sound-suppressed steel cab mounted on the high suspension mounts filled with silicone oil 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 cylinders	100 mm × 1,092 mm
Arm cylinder	115 mm × 1,116 mm
Bucket cylinder	95 mm × 903 mm

Refilling Capacities & Lubrications

Fuel tank	271 L
Cooling system	12 L
Engine oil	17 L
Travel reduction gear	2 x 2.1 L
Swing reduction gear	1 x 1.65 L
Hydraulic oil tank	94.5 L tank oil level
	197 L hydraulic system

Attachments

Backhoe bucket and combination

Type			Backhoe bucket		
Bucket capacity	ISO heaped	m³	0.50	0.57	0.57 HD
	ISO Struck	m³	0.38	0.43	0.43
Opening width	With side cutter	mm	1,000	1,110	1,110
	Without side cutter	mm	905	1,020	1,020
No. of teeth			5	5	5
Bucket weight		kg	380	390	440
Combination	2.38m arm (with rock guard)	SK130	○	△	△
		SK140LC	○	◎	◎
	2.84 m arm (with rock guard)	SK130	△	-	-
		SK140LC	○	△	△

◎ Standard combination ○ Recommended △ Loading only - Not applicable

Working Ranges

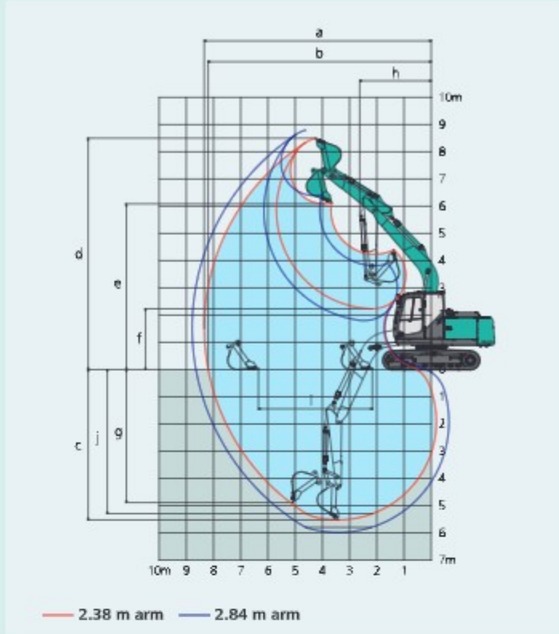
Unit: mm

Boom	4.68 m	
Arm / Range	Standard 2.38 m	Long 2.84 m
a- Max. digging reach	8,340	8,780
b- Max. digging reach at ground level	8,190	8,640
c- Max. digging depth	5,520	5,980
d- Max. digging height	8,500	8,800
e- Max. dumping clearance	6,090	6,390
f- Min. dumping clearance	2,230	1,800
g- Max. vertical wall digging depth	4,890	5,350
h- Min. swing radius	2,640	2,800
i- Horizontal digging stroke at ground level	4,180	4,670
j- Digging depth for 2.4 m (8') flat bottom	5,300	5,800
Bucket capacity ISO heaped m³	0.50	0.50

Digging Force (ISO 6015)

Unit: kN

Arm length	Standard 2.38 m	Long 2.84 m
Bucket digging force	90.5	90.5
Arm crowding force	64.2	58.2



Dimensions

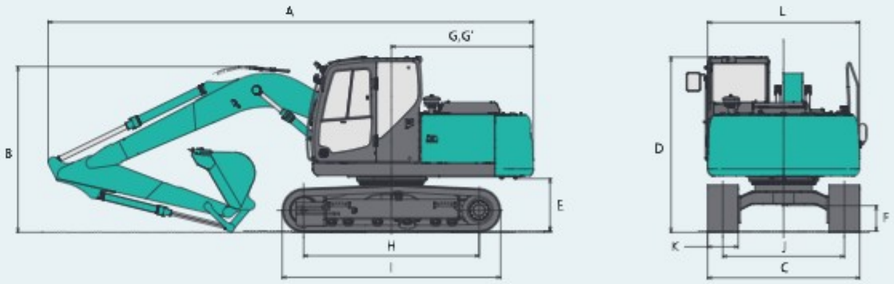
Unit: mm

Arm length		Standard 2.38 m	Long 2.84 m
A	Overall length	7,950	7,940
B	Overall height (to top of boom)	2,710	3,120
C	Overall width of crawler	2,490	
D	Overall height (to top of cab)	2,880	
E	Ground clearance of rear end*	860	
F	Ground clearance*	415	
G	Tail swing radius	2,330	

Unit: mm

G'	Distance from centre of swing to rear end		2,330
H	Tumbler distance	SK130	2,870
		SK140LC	3,040
I	Overall length of crawler	SK130	3,580
		SK140LC	3,750
J	Track gauge		1,990
K	Shoe width		500
L	Overall width of upperstructure		2,490

*Without including height of shoe

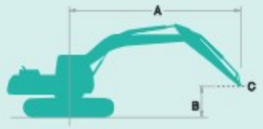


Operating Weight & Ground Pressure

In standard trim, with standard boom, 2.38 m arm, and 0.50 m³ ISO heaped bucket

Shaped			Triple grouser shoes (even height)	
Shoe width		mm	500	700
Overall width of crawler		mm	2,490	2,690
Ground pressure	SK130	kPa	39.7	29.4
	SK140LC	kPa	39.6	29.4
Operating weight	SK130	kg	12,600	13,100
	SK140LC	kg	13,300	13,800

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 bucket
Relief valve setting: 34.3 MPa (350 kgf/cm²)

SK130-10E Arm: HD arm 2.38 m Bucket: Without Shoe: 500 mm Counterweight: 2,000 kg

A / B		1.5m		3.0m		4.5m		6.0m		At max. reach		Radius
6.0m	kg					*3,250	*3,250			*1,820	*1,820	5.47m
4.5m	kg					*3,530	3,390	3,080	2,110	*1,680	*1,680	6.44m
3.0m	kg			*6,300	5,930	*4,380	3,170	3,000	2,040	*1,670	1,590	6.96m
1.5m	kg			*5,630	5,180	4,460	2,920	2,880	1,930	*1,760	1,490	7.11m
G.L.	kg			*6,080	4,970	4,270	2,750	2,800	1,850	*1,980	1,510	6.93m
-1.5m	kg	*5,200	*5,200	8,480	4,970	4,210	2,700	2,770	1,830	*2,420	1,690	6.40m
-3.0m	kg	*8,950	*8,950	*7,870	5,100	4,280	2,760			3,300	2,180	5.39m

SK130-10E Arm: HD long arm 2.84 m Bucket: Without Shoe: 500 mm Counterweight: 2,000 kg

A / B		1.5m		3.0m		4.5m		6.0m		7.5m		At max. reach		Radius
7.5m	kg											*2,070	*2,070	4.49m
6.0m	kg							*1,870	*1,870			*1,710	*1,710	6.04m
4.5m	kg							*3,060	2,120			*1,590	*1,590	6.93m
3.0m	kg			*5,280	*5,280	*3,930	3,200	2,990	2,030			*1,580	1,410	7.41m
1.5m	kg			*8,130	5,290	4,470	2,920	2,860	1,910	*1,960	1,340	*1,660	1,320	7.55m
G.L.	kg			*6,310	4,900	4,230	2,710	2,750	1,800			*1,830	1,330	7.39m
-1.5m	kg	*4,450	*4,450	8,340	4,840	4,140	2,630	2,700	1,760			*2,190	1,460	6.89m
-3.0m	kg	*7,530	*7,530	*8,370	4,940	4,170	2,650					2,770	1,820	5.96m
-4.5m	kg			*5,960	5,200							*3,800	2,980	4.34m

SK140LC-10E Arm: HD arm 2.38 m Bucket: Without Shoe: 500 mm Counterweight: 2,480 kg

A / B		1.5m		3.0m		4.5m		6.0m		At max. reach		Radius
6.0m	kg					*3,250	*3,250			*1,820	*1,820	5.47m
4.5m	kg					*3,530	*3,530	*3,250	2,370	*1,680	*1,680	6.44m
3.0m	kg			*6,300	*6,300	*4,380	3,540	3,560	2,290	*1,670	*1,670	6.96m
1.5m	kg			*5,630	*5,630	5,350	3,280	3,450	2,190	*1,760	1,700	7.11m
G.L.	kg			*6,080	5,610	5,160	3,120	3,360	2,110	*1,980	1,730	6.93m
-1.5m	kg	*5,200	*5,200	*9,170	5,620	5,100	3,070	3,330	2,080	*2,420	1,920	6.40m
-3.0m	kg	*8,950	*8,950	*7,870	5,750	5,170	3,130			*3,530	2,470	5.39m

SK140LC-10E Arm: HD long arm 2.84 m Bucket: Without Shoe: 500 mm Counterweight: 2,480 kg

A / B		1.5m		3.0m		4.5m		6.0m		7.5m		At max. reach		Radius
7.5m	kg											*2,070	*2,070	4.49m
6.0m	kg							*1,870	*1,870			*1,710	*1,710	6.04m
4.5m	kg							*3,060	2,380			*1,590	*1,590	6.93m
3.0m	kg			*5,280	*5,280	*3,930	3,570	*3,400	2,280			*1,580	*1,580	7.41m
1.5m	kg			*8,130	5,940	*5,000	3,280	3,430	2,160	*1,960	1,530	*1,660	1,510	7.55m
G.L.	kg			*6,310	5,550	5,120	3,080	3,320	2,060			*1,830	1,530	7.39m
-1.5m	kg	*4,450	*4,450	*8,640	5,490	5,020	2,990	3,260	2,010			*2,190	1,680	6.89m
-3.0m	kg	*7,530	*7,530	*8,370	5,580	5,050	3,020					*2,980	2,070	5.96m
-4.5m	kg			*5,960	5,850							*3,800	3,360	4.34m

Notes:

1. 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.
2. 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.
3. Arm top defined as lift point.
4. 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.
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. Lift capacities apply to only machine originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

STANDARD EQUIPMENT

ENGINE
- Engine, ISUZU 4JJ1, diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Auto Idle Stop (AIS)
- Batteries (2 x 12 V - 100 Ah)
- Starting motor (24 V - 4 kW), 50 amp alternator
- Engine oil pan drain cock
- Double element air cleaner

CONTROL
- Working mode selector (H-mode, S-mode and ECO-mode)

SWING SYSTEM & TRAVEL SYSTEM
- Swing rebound prevention system
- Straight propel system
- Two-speed travel with automatic shift down
- Sealed & lubricated track links
- Grease-type track adjusters
- Automatic swing brake

HYDRAULIC
- Arm regeneration system
- Aluminum hydraulic oil cooler

MIRRORS & LIGHTS
- Two rear view mirrors
- Three front working LED lights (one for boom, one for right storage box, and one for Cab)

CAB & CONTROL
- Two control levers, pilot-operated
- Horn, electric
- Cab light (interior)
- Luggage tray
- Large cup holder
- Detachable two-piece floor mat
- Handrails
- Intermittent windshield wiper with double-spray washer
- Skylight
- Tinted safety glass
- Pull-up type front window and removable lower front window
- Easy-to-read multi-display color monitor
- Automatic air conditioner
- Emergency escape hammer
- KOMEXS

OPTIONAL EQUIPMENT

- Two cab LED lights
- Rearview camera
- N & B piping
- Wide range of buckets
- Various optional arms
- Wide range of shoes
- Multi control valve
- Suspension seat with armrest

Note: Standard and optional equipment may vary. Consult your KOBELCO dealer for specifics.