

KOBELCO

Hydraulic Excavator

SK850 LC

SK850LC-10

**DRIVEN BY
PASSION**

- **Bucket Capacity :**
1.78 - 8.50 cu yd (1.36 - 6.5 m³) SAE
- **Engine Power :**
510 hp {380 kW}/1,800 rpm
(SAE NET)
- **Operating Weight :**
185,700 lbs {84,800 kg}



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 sold 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.
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Bulletin No. SK850LC-NA-201-1905KCMU

Complies with the latest exhaust emission regulations

| | | |
|--|--|--|
|  US EPA Tier IV Final |  EU (NRMM) Stage IV |  Japanese Regulations |
|--|--|--|

Power Meets Efficiency

Increased POWER
means increased
PRODUCTIVITY

Greater fuel
economy means
higher efficiency

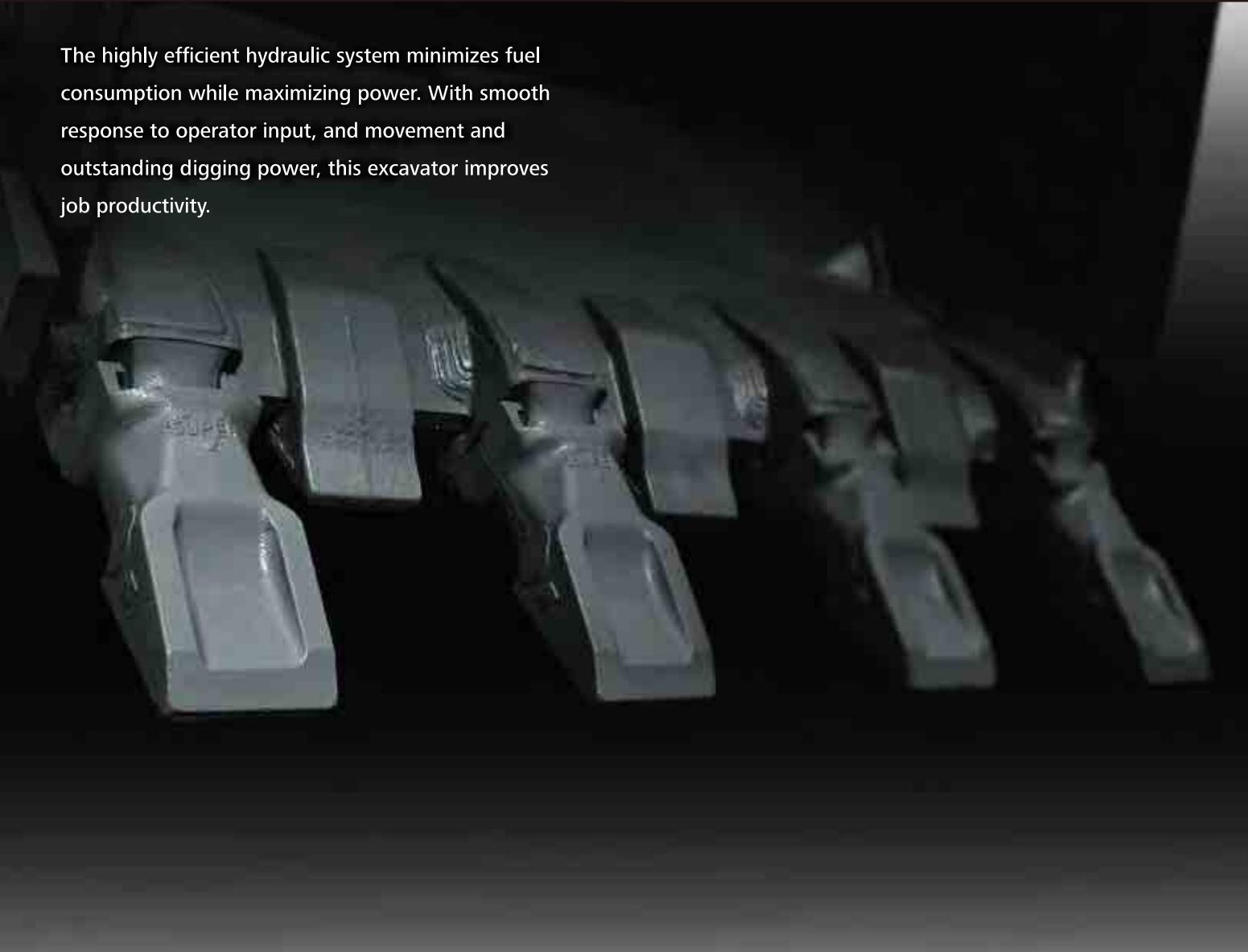
From urban centers to mines around the world, KOBELCO's all-out innovation brings you durable, Earth-friendly construction machinery that's equal to any task all over the planet. Increased power and better fuel economy bring greater efficiency to any project. KOBELCO SK850LC conventional excavators are more durable than ever, able to withstand the rigors of the toughest job sites. Focusing on the global environment of the future, KOBELCO offers next-generation productivity to meet the need for lower life cycle costs and exceed the expectations of customers the world over. It all adds up to new levels of value that are a step ahead of the times.



SK850LC

More Power and Higher Efficiency

The highly efficient hydraulic system minimizes fuel consumption while maximizing power. With smooth response to operator input, and movement and outstanding digging power, this excavator improves job productivity.



Power to do more, faster

Digging Volume

The SK850LC offers dynamic digging force even as it minimizes fuel consumption, achieving class-leading work volume.

- Max. Bucket Digging Force (ISO 6015)
Normal: **90,598 lbf** {403kN}
- Max. Arm Crowding Force (ISO 6015)
Normal: **61,148 lbf** {272kN}
HD Semi Long Arm (4.40m)

Drawbar Pulling Force

Excellent drawbar force lets you conquer rough terrain and slopes.

146,800 lbf {653kN}

Built to operate in tough working environments

Hydraulic Drive for Engine Cooling Fan, Independent Oil Cooler Fan

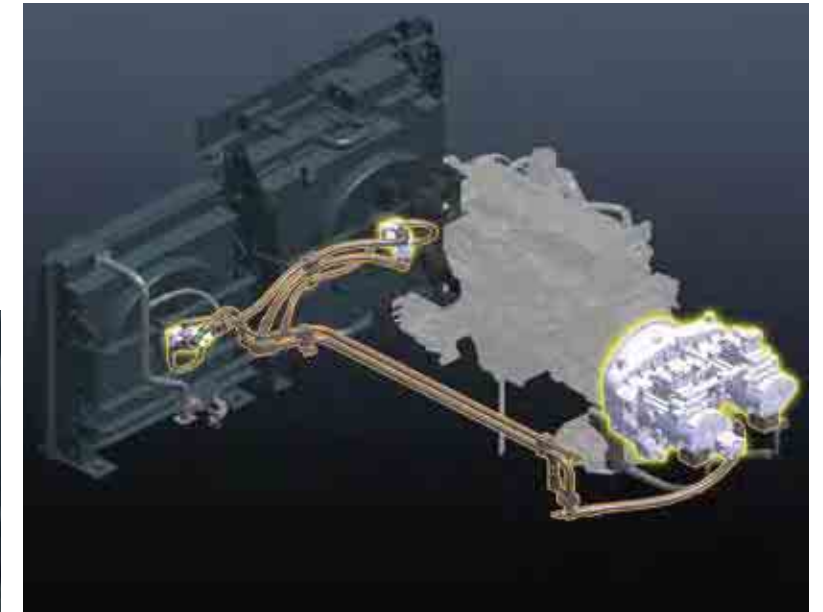
Hydraulic drive optimizes the cooling fan rotation speed to improve fuel economy and reduce noise. Also, the independent oil cooler fan better matches cooling to the hydraulic oil temperature, for optimal oil temperature control.



Hydraulic drive fan radiator and intercooler



Hydraulic drive fan for oil cooler



Conforms to Tier IV Final exhaust emissions standards

Next-Generation Electronic Engine Control

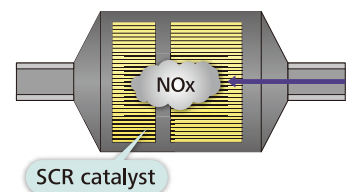
The new electronic-control common-rail engine features high-pressure fuel injection and multiple injection with improved precision. It is fitted with an EGR cooler, Diesel Particulate and SCR filter which deliver high output from optimized combustion and greatly reduce PM and NOx emissions.



SCR System with DEF NEW

Engine exhaust system utilizes Selective Catalytic Reduction (SCR) to convert NOx* into harmless nitrogen and water emissions. SCR combined with a Diesel Particulate Filter (DPF) makes the SK850LC a much cleaner machine.

*NOx: Nitrogen Oxide

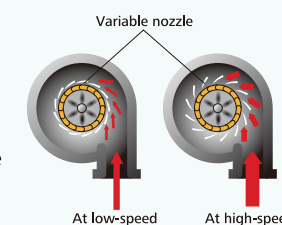


■ NOx reduction rate (Compared to previous models)

Up to **80%** decrease*

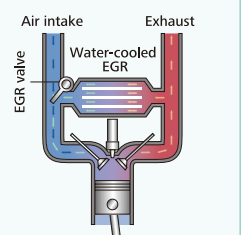
VG turbo reduces PM

The variable-geometry turbocharger adjusts air intake to maximize combustion efficiency and promotes faster, cleaner response to varying engine load. At low engine speeds the nozzles are closed, the turbo speed increased and intake air is boosted. This helps lower fuel consumption.



EGR cooler reduces NOx

Cooled exhaust gases from the EGR cooler are mixed with fresh air in the intake. The recirculated air lowers the combustion temperature which reduces NOx.



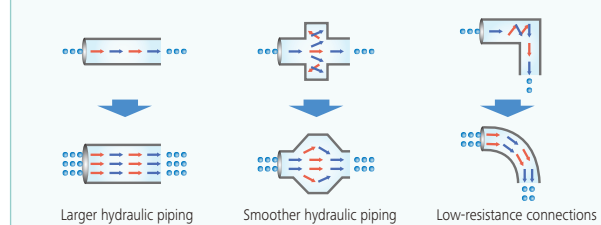
Evolution Continues, with Improved Fuel Efficiency



Hydraulic Circuit Reduces Energy Loss

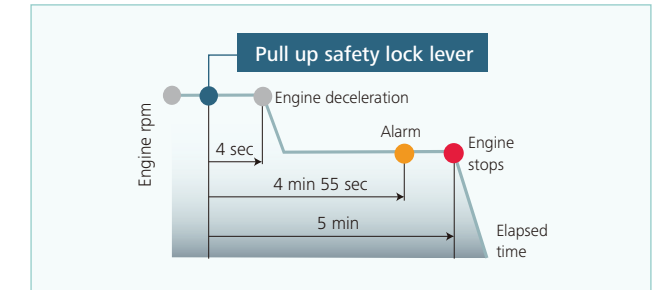
Improved hydraulic line layout minimizes hydraulic pressure resistance from turbulence and valve restrictions. Fuel efficiency is increased because it takes less energy to move fluid through a circuit with low flow resistance.

Improved hydraulic piping is an effective means of reducing pressure loss.



AIS (Auto Idle Stop)

The engine will stop automatically after 5 minutes (Adjustable) of inactivity if the safety lock lever is in the up position. This eliminates wasteful idling during standby, saving fuel and reducing CO₂ emissions.



Top-of-Class Working Ranges

| | |
|-----------------------------------|---------------------------|
| Max. digging reach: | 47' 10" {14,560mm} |
| Max. digging depth: | 31' 10" {9,700mm} |
| Max. vertical wall digging depth: | 24' 6" {7,480 mm} |

Value are for 14' 5" {4.4m} arm



Revolutionary technology boosts efficiency and minimizes fuel consumption

Operation Mode

■ 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

Improved fuel economy in ECO-modes

■ Compared to previous models (SK850LC-8, S-mode)

E ECO-mode ... About **17%** improvement

Total Support for Machines with Network Speed and Accuracy

KOMEXS is a cellular-based system for receiving machine information. Manage your machines anywhere in the world using the Internet. Location, workload and diagnostic data aid business operations.

Direct Access to Operational Status

Location Data

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

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.

Fuel Consumption Data

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

Graph of Work Content

The graph shows how working hours are divided among different operating categories, including digging, idling, traveling, and optional operations (NGB).



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.

Security System

Engine Start Alarm

Sends a notification if the engine is started outside of pre-defined hours.

Area Alarm

Sends a notification if the machine leaves a pre-defined area.

Increased Power with Enhanced Durability to Maintain the Machine's Value

Smart system design increases strength and eliminates hydraulic problems. Enhanced POWER, reliability, and durability takes productivity to a new level.



Improved filtration system reliability

Clean, contaminant-free fuel and hydraulic fluid are essential to stable performance. The improved filtration systems reduce the risk of mechanical trouble and enhance longevity and durability.

Hydraulic Fluid Filter ^{NEW}

Recognized as the best in the industry, our super-fine filter separates out even the smallest particles. A new cover prevents contamination from falling into the main hydraulic reservoir during filter change maintenance.

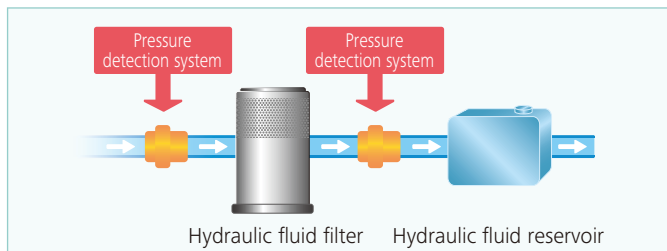


Long-life hydraulic fluid:
5,000 hours

Hydraulic fluid filter replacement cycle is
1,000 hours

Hydraulic Fluid Filter Restriction Indicator ^{NEW}

Pressure sensors located at the inlet and outlet of the main hydraulic filter assembly, monitor the differential pressure across the filters to determine clog or cleanliness levels of the main filters. Once this differential pressure exceeds a predetermined level, a filter warning icon appears on the machine's monitor. This allows proper servicing of these filters as well as an indication of the condition of the hydraulic components.



Easy grease refill

Newly designed side door and catwalk are installed to right side body. Thanks to the door and catwalk, refilling of the grease canister is simplified.



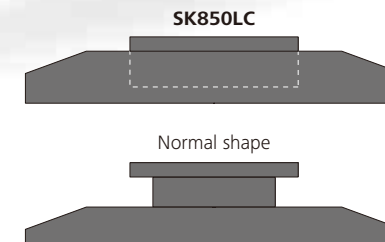
Access door for grease gun

Grease gun is accessed from the front of the right storage compartment. The access door enables the operator or maintenance technician to conveniently pull the grease gun hose from ground level.



Strong Carbody Structure

Strength is especially crucial in the carbody. The swing bearing support tower is integrated into the lower frame structure, thereby increasing the carbody's cross-section size for greater strength.



Full Track Guides (Option)

Optional full track guides withstand powerful vibrations and eliminate de-track concern.



Three Track Guides

Three heavy-duty track guides installed on each crawler side frame assure stability in the most demanding situations.



Protective Lower Undercover

The undercover attached to the lower frame protects the hydraulic piping and equipment from flying rocks, bits of rebar, and other debris.



Comprehensive Safety and Intuitive Operation

User-friendly design and enhanced safety means greater efficiency and productivity.



Safety



Mounting brackets for vandalism guards are standard equipment (contact your KOBELCO dealer to fit vandalism or front rock guards).



Standard FOPS, Top Guard Level II. (Meets ISO10262)

Expanded Field of View for Greater Safety



Left and right rear-view mirrors/Right bottom clearance mirror



Rear View Camera

Rear

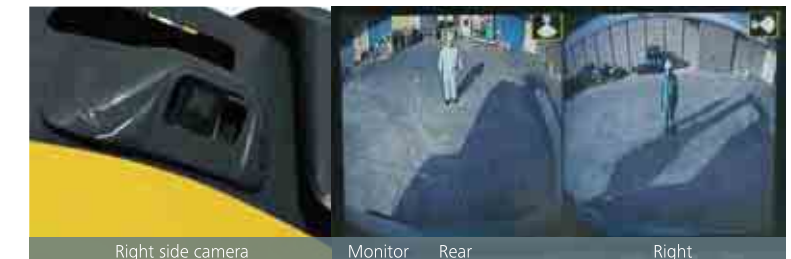
Optional right side camera NEW



Standard rear swing flashers and rear work lights.



Emergency escape hammer



Right side camera

Monitor

Rear

Right

Operator-friendly features that are easy to see, easy to use



Color Multi-display

Brilliant colors differentiate multiple graphics on cab LCD. Graphics indicate fuel consumption, maintenance intervals and more.

- 1 Analog-style gauges provide an intuitive reading of fuel level and engine temperature
- 2 Green light indicates efficient and fuel saving operational techniques.
- 3 PM accumulation (left)/DEF level (right)
- 4 Fuel consumption/Rear-view camera
- 5 Digging mode switch
- 6 Monitor display switch

One-touch Attachment Mode Switch

A simple flick of switch converts the hydraulic circuit and flow amount to match attachments. Helpful icons let the operator confirm the proper configuration at a glance.



PM accumulation/DEF level



Fuel consumption



Maintenance



Breaker mode



Nibbler mode

Cab Comfort Takes a Step Ahead

The newly refined cab puts the operator first, ensuring a quieter, more comfortable work environment and easier operation.



Standard suspension seat



Comfort

Climate Control Outlets behind the Seat **NEW**



Five air outlets deliver warm or cool air directly to the operator.

A Light Touch on the Lever Means Smoother, **NEW** Less Tiring Work



It takes 25% less effort to work the operation lever, which reduces fatigue over long working hours or continuous operations. *Compared to SK850LC-9 model

More Comfortable Seat Means Higher Productivity



Suspension seat absorbs vibration



Double slides allow adjustment for optimum comfort



Air suspension seat(option)

Quiet Inside



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

Interior Equipment Adds to Comfort and Convenience



Bluetooth installed AM/FM stereo radio



USB connector/12V power outlet

Large Door Allows Easy Access In and Out of the Cab

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



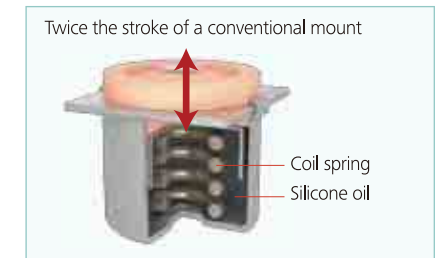
Spacious storage tray



Large cup holder

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 vibration protection.



Wide, Open Unobstructed Operator Visibility

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



Efficient Maintenance Keeps the Machine in Peak Operating Condition

Easy Maintenance That Supports Large-Scale Operation

Double Service Doors Open and Close Easily

- Intercooler • A/C condenser
- Fuel cooler • Radiator • Oil cooler



- Air cleaner



Auto-Coil Grease Gun Holder

- Grease tank
- Lubrication hose



DEF/AdBlue* tank

Located inside the standard machine storage compartment
* AdBlue® is a registered trade mark of the Verband der Automobilindustrie e. V. (VDA).



Simple Filtration

- Hydraulic oil filter x 3



- Suction filter



- Battery



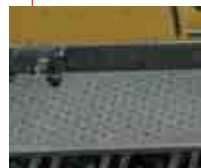
- Drain filter



- Large tool box



- Cat walk



Around the Engine Compartment



- Fuel filter



- Fuel pre-filter with water separator



- Engine oil drain valve



- Engine oil filter

Engine oil filters on the engine



Daily maintenance checks are essential for the successful operation of large, continuously operating excavators. Inspections and maintenance must be quick and easy to maximize productivity. With its maintenance walk, the SK850LC provides easy access to essential components and systems so that more time is spent on the job.



Easy Inspection of Grease for Swing Bearing, Gear and Bolt.

A small access port is located in front of the upper frame to make it easier to inspect the swing bearing, gear and bolt.



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 for any possible on going or intermittent service issues

| MAINTENANCE | | | |
|-------------|----------|----------------|--------------|
| | INTERVAL | REMAINING TIME | EXCHANGE DAY |
| ENGINE OIL | 500 | 495 | --/--/-- |
| FUEL FILTER | 500 | 495 | --/--/-- |
| HYD. FILTER | 1000 | 995 | --/--/-- |
| HYD. OIL | 5000 | 4995 | --/--/-- |

6.3h

Examples of displaying maintenance information

Easy Access to In-cab Maintenance Features



Easy-access fuse box.



DPF Manual Regeneration Switch

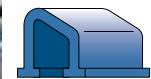


Air conditioner filter can be easily removed without tools for cleaning. One for outside air and one for inside air.

Easy Cleaning



Special sloped crawler side frame design is easily cleaned of mud.



Detachable two-piece floor mat with handles for easy removal.



Fuel tank features bottom flange and large drain valve for easy maintenance.

Engine

| | |
|---------------------|---|
| Model | HINO E13CYM-KSDB |
| Type: | Water-cooled, 4 cycle 6 cylinder electronically-controlled common rail system type diesel engine with turbo-charger Meets North American Emission regulations applicable to Tier IV final. |
| No. of cylinders: | 6 |
| Bore and stroke: | 5.39" {137 mm} x 5.75" {146 mm} |
| Displacement: | 787 cu.in {12.913 L} |
| Rated power output: | 510 hp {380 kW} / 1,800 rpm (SAE NET) |
| Max. torque: | 1,564 lb-ft {2,120 N.m} / 1,300 rpm (SAE NET) |

Hydraulic System

| | |
|-----------------------------|---|
| Pump | |
| Type: | Two variable displacement pumps + 1 gear pump |
| Max. discharge flow: | 2 x 133 US.gal {504 L/min}, 1 x 7.93 US.gal {30 L/min} |
| Relief valve setting | |
| Boom, arm and bucket: | 4,790 psi {33.0 MPa} |
| Travel circuit: | 4,790 psi {33.0 MPa} |
| Swing circuit: | 3,760 psi {25.9 MPa} |
| Control circuit: | 725 psi {5.0 MPa} |
| Pilot control pump: | Gear type |
| Main control valves: | 6-spool |
| Oil cooler: | Air cooled type |

Swing System

| | |
|--------------------------|--|
| Swing motor: | Axial-piston motor |
| Brake: | Hydraulic; locking automatically when the swing control lever is in neutral position |
| Parking brake: | Oil disc brake, hydraulic operated automatically |
| Swing speed: | 7.3 rpm |
| Swing torque: | 197,200 lb-ft {268 kN-m} (SAE) |
| Tail swing radius: | 15'00" {4,580 mm} |
| Min. front swing radius: | 20'10" {6,340 mm} |

Travel System

| | |
|------------------------|------------------------------------|
| Travel motors: | 2 x axial-piston, two-speed motors |
| Parking brakes: | Oil disc brake per motor |
| Track shoes: | 51 each side |
| Travel speed: | 2.6 / 1.7 mph {4.2 / 2.7 km/h} |
| Drawbar pulling force: | 146,800 lbf {653 kN} {SAE J 1309} |
| Gradeability: | 70 % {35°} |
| Ground clearance: | 33.5" {850 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

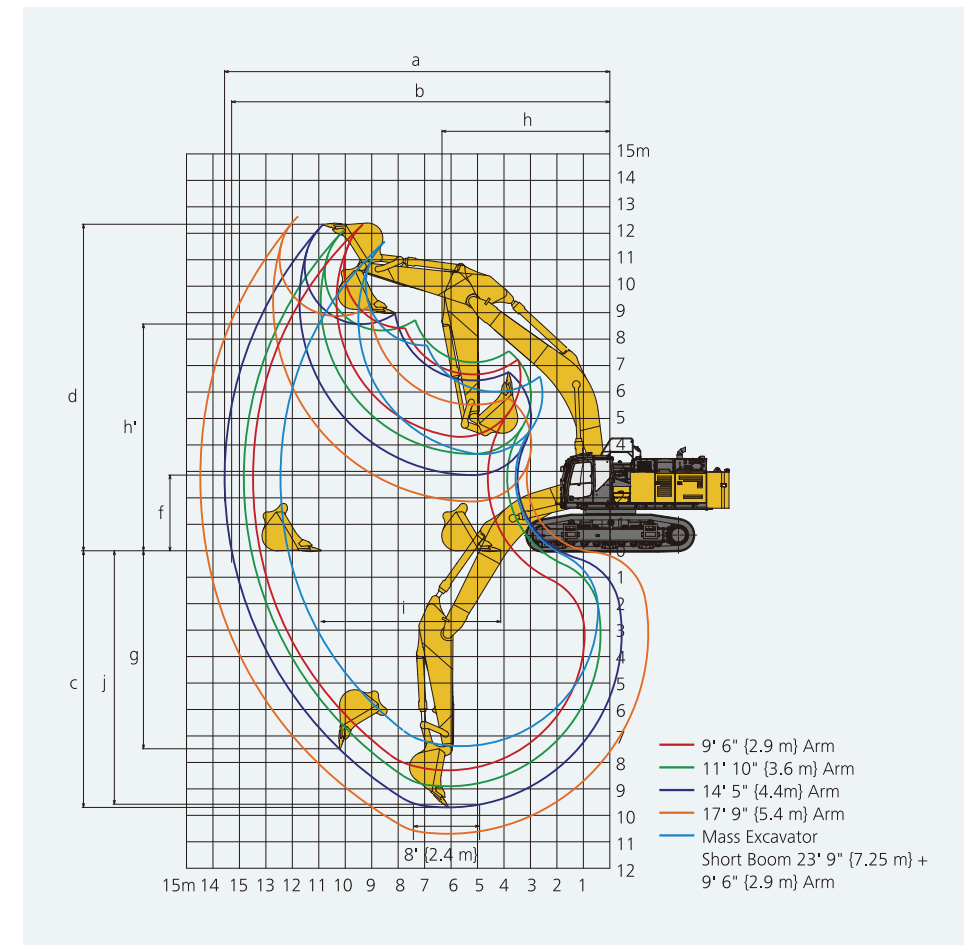
| | |
|------------------|--------------------------------------|
| Boom cylinders: | 8.3" {210 mm} x 5' 11" {1,800 mm} |
| Arm cylinder: | 8.7" {220 mm} x 7' 2" {2,175 mm} |
| Bucket cylinder: | STD 7.9" {200 mm} x 5' 2" {1,570 mm} |

Refilling Capacities & Lubrications

| | |
|------------------------|--|
| Fuel tank: | 253.6 U.S.gal {960 L} |
| Cooling system: | 19.5 U.S.gal {74 L} |
| Engine oil: | 14.3 U.S.gal {54 L} |
| Travel reduction gear: | 2 x 5.8 U.S.gal {2 x 22 L} |
| Swing reduction gear: | 5.7 U.S.gal {2 x 21.5 L} |
| Hydraulic oil tank: | 138.0 U.S.gal {522 L} tank oil level 239.1 U.S.gal {905 L} hydraulic system |
| DEF/AdBlue tank: | 21.9 U.S.gal {83 L} |

Hydraulic P.T.O

| Specification | Output | Maximum Pressure PSI {Mpa} | Max Flow US GPM, {lpm} |
|---------------|--------|----------------------------|------------------------|
| | | | 1,800rpm |
| N&B | | 5,220 {36.0} | 266 {1,008} |
| Rotary | | 3,280 {22.6} | 13 {49} |



Working Ranges

Unit: ft-in (m)

| Boom | 27' 1" {8.25 m} | | | | 23' 9" {7.25 m} |
|--|-----------------|-----------------|-----------------|-----------------|------------------|
| Arm | 9' 6" {2.9 m} | 11' 10" {3.6 m} | 14' 5" {4.4 m} | 17' 9" {5.4 m} | ME 9' 6" {2.9 m} |
| Range | | | | | |
| a- Max. digging reach | 44' 3" {13.48} | 45' 4" {13.83} | 47' 10" {14.56} | 50' 10" {15.48} | 40' 10" {12.45} |
| b- Max. digging reach at ground level | 43' 3" {13.19} | 44' 6" {13.55} | 46' 11" {14.29} | 50' 0" {15.23} | 39' 10" {12.13} |
| c- Max. digging depth | 27' 3" {8.30} | 29' 2" {8.9} | 31' 10" {9.7} | 35' 1" {10.70} | 24' 3" {7.38} |
| d- Max. digging height | 40' 6" {12.34} | 39' 9" {12.11} | 40' 6" {12.35} | 41' 6" {12.64} | 38' 4" {11.69} |
| e- Max. dumping clearance | 27' 7" {8.41} | 27' 4" {8.34} | 28' 1" {8.57} | 29' 1" {8.87} | 25' 6" {7.77} |
| f- Min. dumping clearance | 14' 2" {4.31} | 12' 0" {3.67} | 9' 5" {2.86} | 6' 1" {1.86} | 12' 0" {3.66} |
| g- Max. vertical wall digging depth | 16' 11" {5.16} | 22' 1" {6.74} | 24' 6" {7.48} | 27' 7" {8.41} | 14' 6" {4.42} |
| h- Min. swing radius | 18' 10" {5.74} | 20' 10" {6.34} | 20' 10" {6.34} | 21' 0" {6.39} | 17' 11" {5.47} |
| i- Horizontal digging stroke at ground level | 14' 7" {4.6} | 18' 7" {5.67} | 22' 4" {6.80} | 26' 6" {8.08} | 14' 5" {4.39} |
| j- Digging depth for 2.4 m (8') flat bottom | 26' 9" {8.15} | 28' 9" {8.75} | 31' 5" {9.58} | 34' 9" {10.06} | 23' 9" {7.23} |
| Bucket capacity SAE heaped cu yd {m³} | 6.0 {4.6} | 4.58 {3.5} | 3.66 {2.8} | 3.0 {2.3} | 6.0 {4.6} |

Digging Force

Unit: lbs (kN)

| Boom | 27' 1" {8.25 m} | | | | 23' 9" {7.25 m} | |
|----------------------|-----------------|-----------------|----------------|----------------|-----------------|--------------|
| Arm length | 9' 6" {2.9 m} | 11' 10" {3.6 m} | 14' 5" {4.4 m} | 17' 9" {5.4 m} | 9' 6" {2.9 m} | |
| Bucket digging force | SAE | 86,551 {385} | 79,582 {354} | 79,582 {354} | 79,582 {354} | 86,551 {385} |
| | ISO | 97,117 {432} | 90,598 {403} | 90,598 {403} | 90,598 {403} | 97,117 {432} |
| Arm crowding force | SAE | 75,985 {338} | 67,443 {300} | 59,120 {263} | 51,260 {228} | 75,985 {338} |
| | ISO | 79,908 {351} | 69,916 {311} | 61,148 {272} | 52,605 {234} | 79,908 {351} |

*Power Boost engaged.

Attachments

Backhoe Bucket and Arm Combination

| Boom | Arm |
|--|---|
| 23' 9" (7.25 m) ME Boom Weight: 17,770 lb (8,060 kg) | 9' 6" (2.9 m) Weight: 8,970 lb (4,070 kg) |
| | |
| 27' 1" (8.25 m) Standard Boom Weight: 18,610 lb (8,440 kg) | 9' 6" (2.9 m) Weight: 8,970 lb (4,070 kg) |
| | |
| | 11' 10" (3.6 m) Weight: 9,210 lb (4,180 kg) |
| | |
| | 14' 5" (4.4 m) Weight: 10,280 lb (4,660 kg) |
| | |
| | 17' 9" (5.4 m) Weight: 11,670 lb (5,300 kg) |
| | |

Bucket Selection Chart

| Bucket Type | Capacity (SAE) cu yd (m³) | Width in (m) | Weight lb (kg) | Boom ft-in (m) | | | | |
|------------------|------------------------------|-----------------|-------------------|-----------------|---|---|---|------------------|
| | | | | 27' 1" (8.25 m) | | | | 23' 9" (7.25 m) |
| | | | | Arm ft-in (m) | | | | 9' 6" (2.9 m) ME |
| 9' 6" (2.9 m) | 11' 10" (3.6 m) | 14' 5" (4.4 m) | 17' 9" (5.4 m) | | | | | |
| Light Duty | 7.06 (5.4) | 98 (2.5) | 8,000 (3,630) | M | X | X | X | H |
| | 7.40 (5.7) | 91 (2.3) | 12,800 (5,820) | U | U | X | X | L |
| | 7.90 (6.0) | 95 (2.42) | 13,200 (6,000) | U | X | X | X | L |
| | 8.50 (6.5) | 101 (2.58) | 13,700 (6,230) | U | X | X | X | L |
| Heavy Duty | 2.53 (1.93) | 42 (1.07) | 6,403 (2,904) | E | E | E | E | E |
| | 3.00 (2.29) | 48 (1.22) | 6,803 (3,086) | E | E | E | E | E |
| | 3.48 (2.66) | 54 (1.37) | 7,203 (3,267) | E | E | E | E | E |
| | 3.96 (3.03) | 60 (1.52) | 7,780 (3,529) | E | E | E | H | E |
| | 4.45 (3.40) | 66 (1.68) | 8,180 (3,710) | E | E | H | M | E |
| | 4.94 (3.78) | 72 (1.83) | 8,580 (3,892) | H | H | M | X | E |
| | 5.91 (4.52) | 84 (2.13) | 9,557 (4,335) | H | M | X | X | H |
| | 6.60 (5.1) | 82 (2.09) | 11,900 (5,410) | L | L | X | X | M |
| | 7.40 (5.7) | 91 (2.3) | 13,000 (5,890) | U | U | X | X | L |
| | 1.78 (1.36) | 35 (0.89) | 5,619 (2,549) | E | E | E | E | E |
| Extra Heavy Duty | 2.47 (1.89) | 45 (1.14) | 6,470 (2,935) | E | E | E | E | E |
| | 3.26 (2.50) | 56 (1.42) | 7,211 (3,271) | E | E | E | E | E |
| | 3.99 (3.05) | 66 (1.68) | 8,061 (3,656) | E | E | E | M | E |
| | 4.43 (3.39) | 72 (1.83) | 8,466 (3,840) | E | E | H | L | E |
| | 5.30 (4.05) | 84 (2.13) | 9,557 (4,335) | H | M | X | X | H |
| | 6.00 (4.6) | 75 (1.90) | 10,100 (4,550) | M | U | L | X | H |
| | 6.00 (4.6) | 77 (1.96) | 13,700 (6,230) | L | U | U | X | M |

E: Used with material weight up to 3,500 lbs/cu yd (2,080 kg/m³)
 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)

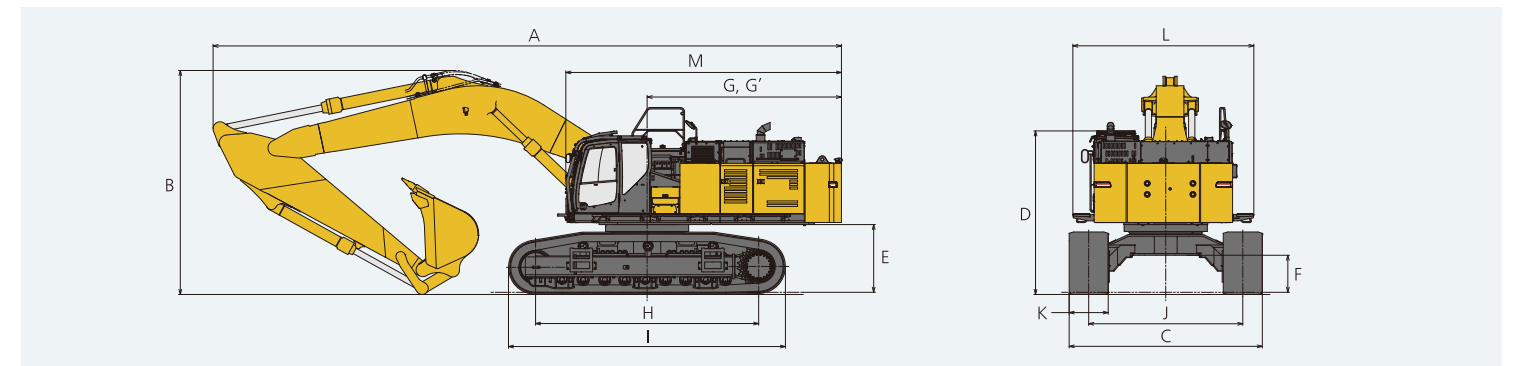
U: Used with material weight up to 1,500 lbs/cu yd (890 kg/m³)
 X: Not recommended

Dimensions

Unit: ft-in (mm)

| Boom | | 27' 1" (8.25 m) | | | | 23' 9" (7.25 m) |
|------------|---|-------------------|-----------------|-----------------|-----------------|-----------------|
| Arm length | | 9' 6" (2.9 m) | 11' 10" (3.6 m) | 14' 5" (4.4 m) | 17' 9" (5.4 m) | 9' 6" (2.9 m) |
| A | Overall length | 47' 11" (14,600) | 47' 8" (14,530) | 47' 6" (14,480) | 46' 8" (14,220) | 4' 7" (13,590) |
| B | Overall height (to top of boom) | 15' 10" (4,830) | 15' 7" (4,760) | 16' 12" (5,160) | 18' 10" (5,750) | 16' 0" (4,880) |
| C | Overall width | Extended | | 14' 7" (4,450) | | |
| | | Retracted | | 12' 6" (3,800) | | |
| D | Overall height (to top of cab) | 12' 4" (3,770) | | | | |
| E | Ground clearance of rear end* | 5' 1" (1,560) | | | | |
| F | Ground clearance* | 2' 9" (850) | | | | |
| G | Tail swing radius | 15' 0" (4,580) | | | | |
| G' | Distance from center of swing to rear end | 14' 8" (4,480) | | | | |
| H | Tumbler distance | 16' 10" (5,140) | | | | |
| I | Overall length of crawler | 20' 11" (6,380) | | | | |
| J | Track gauge | Extended | | 11' 8" (3,550) | | |
| | | Retracted | | 9' 6" (2,900) | | |
| K | Shoe Width | 35.4" (900) | | | | |
| L | Overall width of upperstructure | 13' 8" (4,170)** | | | | |
| M | Overall length of upperstructure | 10' 6" (6,350)*** | | | | |

* Without including height of shoe lug **With catwalk ***With cab guard



Operating Weight & Ground Pressure

In standard trim, with 27' 1" (8.25 m) standard boom, 9' 6" (2.9 m) arm, 6.0 cu yd (4.6 m³) SAE heaped bucket and standard counterweight

| Configuration | Double grouser shoes (even height) | |
|------------------|------------------------------------|------------------|
| Shoe width | in (mm) | 35.4 (900) |
| Overall width | ft-in (mm) | 14' 7" (4,450) |
| Ground pressure | psi (kPa) | 12.0 (83) |
| Operating weight | lbs (kg) | 187,000 (84,800) |

In standard trim, with 27' 1" (8.25 m) standard boom, 11' 10" (3.6 m) arm, 4.58 cu yd (3.5 m³) SAE heaped bucket and standard counterweight

| Configuration | Double grouser shoes (even height) | |
|------------------|------------------------------------|------------------|
| Shoe width | in (mm) | 35.4 (900) |
| Overall width | ft-in (mm) | 14' 7" (4,450) |
| Ground pressure | psi (kPa) | 12.0 (83) |
| Operating weight | lbs (kg) | 186,300 (84,500) |

In standard trim, with 27' 1" (8.25 m) standard boom, 14' 5" (4.4 m) arm, 3.66 cu yd (2.8 m³) SAE heaped bucket and standard counterweight

| Configuration | Double grouser shoes (even height) | |
|------------------|------------------------------------|------------------|
| Shoe width | in (mm) | 35.4 (900) |
| Overall width | ft-in (mm) | 14' 7" (4,450) |
| Ground pressure | psi (kPa) | 12.0 (83) |
| Operating weight | lbs (kg) | 185,700 (84,800) |

In standard trim, with 27' 1" (8.25 m) standard boom, 17' 9" (5.4 m) arm, 3.0 cu yd (2.3 m³) SAE heaped bucket and standard counterweight

| Configuration | Double grouser shoes (even height) | |
|------------------|------------------------------------|------------------|
| Shoe width | in (mm) | 35.4 (900) |
| Overall width | ft-in (mm) | 14' 7" (4,450) |
| Ground pressure | psi (kPa) | 12.0 (83) |
| Operating weight | lbs (kg) | 187,400 (85,000) |

In standard trim, with 23' 9" (7.25 m) ME boom, 9' 6" (2.9 m) arm, 7.06 (5.4 m³) SAE heaped bucket and standard counterweight

| Configuration | Double grouser shoes (even height) | |
|------------------|------------------------------------|------------------|
| Shoe width | in (mm) | 35.4 (900) |
| Overall width | ft-in (mm) | 14' 7" (4,450) |
| Ground pressure | psi (kPa) | 12.0 (83) |
| Operating weight | lbs (kg) | 186,300 (84,500) |

Four Disassembly and Transport Patterns

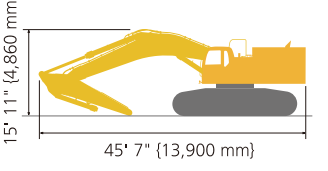
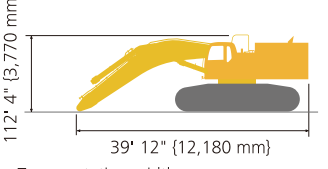
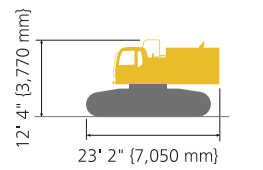
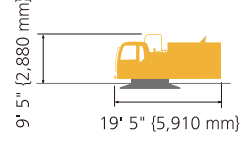
The SK850LC can be disassembled and transported in four different ways, including: no counterweight, with boom attached; main body only; main body without crawler frame; etc.

Variable Gauge Crawler

The variable gauge crawler extends the crawlers for extremely stable operation, and retracts them for easier transport.

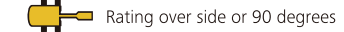
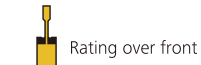
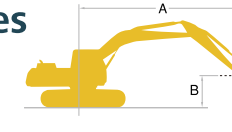
Crawler Width

| | |
|-----------|-------------------|
| Shoe | 35.4" (900 mm) |
| Extended | 14' 7" (4,450 mm) |
| Retracted | 12' 6" (3,800 mm) |

| Configuration | Description | Total weight |
|--|---|------------------------|
| Plan 1  15' 11" (4,860 mm) 45' 7" (13,900 mm) Transportation width: 12' 6" (3,800 mm) / 35.4" (900 mm) shoe | Base machine without counterweight and bucket, with lower structure, 27' 1" (8.25 m) boom and 11' 10" (3.6 m) arm | 143,100 lb (64,900 kg) |
| Plan 2  11' 4" (3,770 mm) 39' 12" (12,180 mm) Transportation width: 12' 6" (3,800 mm) / 35.4" (900 mm) shoe | Base machine without counterweight, bucket and arm, with lower structure and 27' 1" (8.25 m) boom | 133,180 lb (60,400 kg) |
| Plan 3  12' 4" (3,770 mm) 23' 2" (7,050 mm) Transportation width: 12' 6" (3,800 mm) / 35.4" (900 mm) shoe | Base machine with lower structure, without counterweight, bucket, arm and boom, | 109,810 lb (49,800 kg) |
| Plan 4  9' 5" (2,880 mm) 19' 5" (5,910 mm) Transportation width: 10' 6" (3,190 mm) | Base machine with carbody, without counterweight, bucket, bucket, arm, boom and lower structure | 55,790 lb (25,300 kg) |

Standard counterweight: 35,940 lb (16,300 kg)

Lifting Capacities



A – Reach from swing centerline to arm tip
 B – Arm bucket pin height above/below ground
 C – Lifting capacities in pounds (kilograms)
 Relief valve setting: 4,786 psi (33.0 MPa)

| SK850LC | | Boom: 27' 1" (8.25 m) Arm: 14' 5" (4.40 m), Bucket: without Shoe: 35.4" (900 mm) Standard counterweight: 35,940 lb (16,300 kg) | | | | | | | | | | | | | | | | | | |
|---------------|---------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------|--------------------|--------|--------------------|---------------------|---------------------|
| | | 10' (3.0 m) | | 15' (4.6 m) | | 20' (6.1 m) | | 25' (7.6 m) | | 30' (9.1 m) | | 35' (10.7 m) | | 40' (12.2 m) | | At Max | | Radius | | |
| | | | | | | | | | | | | | | | | | | | | |
| 35' (10.7 m) | lb (kg) | | | | | | | | | | | | | | | | | *27,130 *12,300 | *27,130 *12,300 | 31' 0" (9.46 m) |
| 30' (9.1 m) | lb (kg) | | | | | | | | | | | | | | | | | *25,970 *11,770 | *25,970 *11,770 | 34' 8" (10.58 m) |
| 25' (7.6 m) | lb (kg) | | | | | | | | | *29,060 *13,180 | *29,060 *13,180 | *28,000 *12,700 | *28,000 *12,700 | | | | | *25,580 *11,600 | *25,580 *11,600 | 37' 4" (11.38 m) |
| 20' (6.1 m) | lb (kg) | | | | | | | | | *31,260 *14,170 | *31,260 *14,170 | *29,050 *13,170 | *29,050 *13,170 | | | | | *25,760 *11,680 | *25,760 *11,680 | 39' 1" (11.92 m) |
| 15' (4.6 m) | lb (kg) | | | | | *49,390 *22,400 | *49,390 *22,400 | *39,610 *17,960 | *39,610 *17,960 | *34,060 *15,440 | *34,060 *15,440 | *30,640 *13,890 | *30,640 *13,890 | *27,950 *11,770 | 25,950 | *26,450 *11,990 | 25,710 | 25,710 | 40' 2" (12.25 m) | |
| 10' (3.0 m) | lb (kg) | | | | | *57,520 *26,090 | *57,520 *26,090 | *44,360 *20,120 | *44,360 *20,120 | *36,980 *16,770 | *36,980 *16,770 | *32,400 *14,690 | 31,200 | *29,430 *11,520 | 25,410 | *27,700 *12,560 | 24,780 | 24,780 | 40' 7" (12.38 m) | |
| 5' (1.5 m) | lb (kg) | | | | | *63,140 *28,630 | *63,140 *28,630 | *48,230 *21,870 | *48,230 *21,870 | *39,520 *17,920 | 37,730 | *33,970 *15,400 | 30,290 | *30,150 *13,670 | 24,920 | *29,630 *13,430 | 24,530 | 24,530 | 40' 5" (12.32 m) | |
| G.L. | lb (kg) | | | | | *65,680 *29,790 | 65,150 29,550 | *50,630 *22,960 | 47,270 21,440 | *41,260 *18,710 | 36,680 16,630 | *35,010 *15,880 | 29,610 13,430 | | | | | *30,710 *13,920 | 24,970 11,320 | 39' 6" (12.06 m) |
| -5' (-1.5 m) | lb (kg) | | | *52,360 *23,750 | *52,360 *23,750 | *65,600 *29,750 | 64,520 29,260 | *51,330 *23,280 | 46,530 21,100 | *41,860 *18,980 | 36,100 16,370 | *33,580 *15,930 | 29,270 13,270 | | | | | *32,570 *14,770 | 26,240 11,900 | 38' 0" (11.58 m) |
| -10' (-3.0 m) | lb (kg) | *50,630 *22,960 | *50,630 *22,960 | *73,020 *33,120 | *73,020 *33,120 | *63,210 *28,670 | *63,210 *28,670 | *50,150 *22,740 | 46,430 21,060 | *40,900 *18,550 | 36,010 16,330 | *33,580 *15,230 | 29,380 13,320 | | | | | *32,570 *14,770 | 28,680 13,000 | 35' 8" (10.87 m) |
| -15' (-4.6 m) | lb (kg) | *71,930 *32,620 | *71,930 *32,620 | *74,570 *33,820 | *74,570 *33,820 | *58,240 *26,410 | *58,240 *26,410 | *46,620 *21,140 | *46,620 *21,140 | *37,550 *17,030 | 36,520 16,560 | | | | | | | *33,550 *15,120 | 33,110 15,010 | 32' 4" (9.87 m) |
| -20' (-6.1 m) | lb (kg) | *81,540 *36,980 | *81,540 *36,980 | *62,500 *28,340 | *62,500 *28,340 | *49,570 *22,480 | *49,570 *22,480 | *39,230 *17,790 | *39,230 *17,790 | | | | | | | | | *33,500 *15,190 | *33,500 *15,190 | 27' 9" (8.47 m) |

| SK850LC | | Boom: 27' 1" (8.25 m) Arm: 11' 10" (3.60 m), Bucket: without Shoe: 35.4" (900 mm) Standard counterweight: 35,940 lb (16,300 kg) | | | | | | | | | | | | | | | | | | |
|---------------|---------|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------------------|--------------------|
| | | 10' (3.0 m) | | 15' (4.6 m) | | 20' (6.1 m) | | 25' (7.6 m) | | 30' (9.1 m) | | 35' (10.7 m) | | At Max | | Radius | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 30' (9.1 m) | lb (kg) | | | | | | | | | | | | | | | | *31,290 *14,190 | *31,290 *14,190 | 31' 10" (9.72 m) | |
| 25' (7.6 m) | lb (kg) | | | | | | | | | | | | | | | | *32,060 *14,540 | *32,060 *14,540 | 34' 8" (10.58 m) | |
| 20' (6.1 m) | lb (kg) | | | | | | | | | *38,410 *17,420 | *38,410 *17,420 | *34,030 *15,430 | *34,030 *15,430 | *31,540 *14,300 | *31,540 *14,300 | *31,130 *14,120 | 30,400 13,780 | 30,400 | 36' 7" (11.17 m) | |
| 15' (4.6 m) | lb (kg) | | | | | *54,620 *24,770 | *54,620 *24,770 | *42,940 *19,470 | *42,940 *19,470 | *36,590 *16,590 | *36,590 *16,590 | *32,810 *14,880 | 32,050 14,530 | *32,810 *14,880 | 31,190 14,140 | *32,060 *14,280 | 28,360 12,860 | 28,360 | 37' 9" (11.52 m) | |
| 10' (3.0 m) | lb (kg) | | | | | *61,930 *28,090 | *61,930 *28,090 | *47,250 *21,430 | *47,250 *21,430 | *39,180 *17,770 | 38,940 17,660 | *34,250 *15,530 | 31,190 14,140 | *32,060 *14,280 | 27,310 12,380 | *32,060 *14,280 | 27,310 | 27,310 | 38' 3" (11.66 m) | |
| 5' (1.5 m) | lb (kg) | | | | | *65,890 *29,880 | *65,890 *29,880 | *50,420 *22,870 | 48,480 21,990 | *41,280 *18,720 | 37,720 17,100 | *35,430 *16,070 | 30,450 13,810 | *32,780 *14,860 | 27,090 12,280 | *32,780 *14,860 | 27,090 | 27,090 | 38' 0" (11.59 m) | |
| G.L. | lb (kg) | | | | | *66,660 *30,230 | 65,330 29,630 | *51,940 *23,550 | 47,410 21,500 | *42,440 *19,250 | 36,920 16,740 | *35,930 *16,290 | 29,970 13,590 | *33,610 *15,240 | 27,720 12,570 | *33,610 *15,240 | 27,720 | 27,720 | 37' 1" (11.31 m) | |
| -5' (-1.5 m) | lb (kg) | | | *54,390 *24,670 | *54,390 *24,670 | *65,080 *29,510 | *65,080 *29,510 | *51,660 *23,430 | 47,020 21,320 | *42,270 *19,170 | 36,600 16,600 | *35,130 *15,930 | 29,890 13,550 | *34,480 *15,630 | 29,410 13,340 | *34,480 *15,630 | 29,410 | 29,410 | 35' 5" (10.80 m) | |
| -10' (-3.0 m) | lb (kg) | *58,170 *26,380 | *58,170 *26,380 | *77,160 *34,990 | *77,160 *34,990 | *61,310 *27,800 | *61,310 *27,800 | *49,330 *22,370 | 47,250 21,430 | *40,190 *18,220 | 36,810 16,690 | | | | | | *35,270 *15,990 | 32,690 14,820 | 32' 11" (10.04 m) | |
| -15' (-4.6 m) | lb (kg) | *84,750 *38,440 | *84,750 *38,440 | *67,850 *30,770 | *67,850 *30,770 | *54,700 *24,810 | *54,700 *24,810 | *44,110 *20,000 | *44,110 *20,000 | | | | | | | | | *35,630 *16,160 | *35,630 *16,160 | 29' 4" (8.94 m) |
| -20' (-6.1 m) | lb (kg) | | | *53,220 *24,140 | *53,220 *24,140 | *43,180 *19,580 | *43,180 *19,580 | | | | | | | | | | | *34,470 *15,630 | *34,470 *15,630 | 24' 1" (7.35 m) |

| SK850LC | | Boom: 27' 1" (8.25 m) Arm: 17' 9" (5.40 m), Bucket: without Shoe: 35.4" (900 mm) Standard counterweight: 35,940 lb (16,300 kg) | | | | | | | | | | | | | |
|---------------|---------|--|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------|------------------|------------------|------------------|--|--|
| A | | 5' (1.5 m) | 10' (3.0 m) | 15' (4.6 m) | 20' (6.1 m) | 25' (7.6 m) | 30' (9.1 m) | 35' (10.7 m) | 40' (12.2 m) | At Max | | Radius | | | |
| B | | | | | | | | | | | | | | | |
| 35' (10.7 m) | lb (kg) | | | | | | | | | | *20,470 (9,280) | *20,470 (9,280) | 34'11" (10.64 m) | | |
| 30' (9.1 m) | lb (kg) | | | | | | | | | | *23,770 (10,780) | *23,770 (10,780) | 38'2" (11.64 m) | | |
| 25' (7.6 m) | lb (kg) | | | | | | | | | | *24,350 (11,040) | *24,350 (11,040) | 40'7" (12.37 m) | | |
| 20' (6.1 m) | lb (kg) | | | | | | | | | | *25,710 (11,660) | *25,710 (11,660) | 42'3" (12.88 m) | | |
| 15' (4.6 m) | lb (kg) | | | | | | | | | | *34,800 (15,780) | *34,800 (15,780) | 43'3" (13.18 m) | | |
| 10' (3.0 m) | lb (kg) | | | | | | | | | | *50,990 (23,120) | *50,990 (23,120) | 43'7" (13.30 m) | | |
| 5' (1.5 m) | lb (kg) | | | | | | | | | | *58,150 (26,370) | *58,150 (26,370) | 43'5" (13.24 m) | | |
| G.L. | lb (kg) | | | | | | | | | | *40,530 (18,380) | *40,530 (18,380) | 42'7" (13.00 m) | | |
| -5' (-1.5 m) | lb (kg) | | | | | | | | | | *30,220 (13,700) | *30,220 (13,700) | 41'2" (12.56 m) | | |
| -10' (-3.0 m) | lb (kg) | | | | | | | | | | *35,040 (15,890) | *35,040 (15,890) | 39'1" (11.91 m) | | |
| -15' (-4.6 m) | lb (kg) | | | | | | | | | | *48,160 (21,840) | *48,160 (21,840) | 36'1" (11.01 m) | | |
| -20' (-6.1 m) | lb (kg) | | | | | | | | | | *79,000 (35,830) | *79,000 (35,830) | 32'1" (9.78 m) | | |
| -25' (-7.6 m) | lb (kg) | | | | | | | | | | *56,400 (25,580) | *56,400 (25,580) | 26'5" (8.07 m) | | |

| SK850LC | | Boom: 27' 1" (8.25 m) Arm: 9' 6" (2.90 m), Bucket: without Shoe: 35.4" (900 mm) Standard counterweight: 35,940 lb (16,300 kg) | | | | | | | | | | | |
|---------------|---------|---|-------------|-------------|-------------|--------------|--------|--|--------|------------------|------------------|--|--|
| A | | 15' (4.6 m) | 20' (6.1 m) | 25' (7.6 m) | 30' (9.1 m) | 35' (10.7 m) | At Max | | Radius | | | | |
| B | | | | | | | | | | | | | |
| 35' (10.7 m) | lb (kg) | | | | | | | | | *36,690 (16,640) | 25'8" (7.84 m) | | |
| 30' (9.1 m) | lb (kg) | | | | | | | | | *34,840 (15,800) | 30'0" (9.16 m) | | |
| 25' (7.6 m) | lb (kg) | | | | | | | | | *37,660 (17,080) | 33'0" (10.08 m) | | |
| 20' (6.1 m) | lb (kg) | | | | | | | | | *41,250 (18,710) | 35'1" (10.69 m) | | |
| 15' (4.6 m) | lb (kg) | | | | | | | | | *45,530 (20,650) | 36'3" (11.06 m) | | |
| 10' (3.0 m) | lb (kg) | | | | | | | | | *49,370 (22,390) | 36'9" (11.20 m) | | |
| 5' (1.5 m) | lb (kg) | | | | | | | | | *51,830 (23,500) | 36'6" (11.13 m) | | |
| G.L. | lb (kg) | | | | | | | | | *52,500 (23,810) | 35'6" (10.84 m) | | |
| -5' (-1.5 m) | lb (kg) | | | | | | | | | *63,540 (28,820) | 33'10" (10.31 m) | | |
| -10' (-3.0 m) | lb (kg) | | | | | | | | | *70,650 (32,040) | 31'2" (9.50 m) | | |
| -15' (-4.6 m) | lb (kg) | | | | | | | | | *60,450 (27,410) | 27'4" (8.33 m) | | |

| SK850LC | | Boom: 23' 9" (7.25 m) Arm: 9' 6" (2.90 m), Bucket: without Shoe: 35.4" (900 mm) Standard counterweight: 35,940 lb (16,300 kg) | | | | | | | | | |
|---------------|---------|---|-------------|-------------|-------------|-------------|--------|--|--------|------------------|------------------|
| A | | 10' (3.0 m) | 15' (4.6 m) | 20' (6.1 m) | 25' (7.6 m) | 30' (9.1 m) | At Max | | Radius | | |
| B | | | | | | | | | | | |
| 30' (9.1 m) | lb (kg) | | | | | | | | | *41,690 (18,910) | 25'9" (7.85 m) |
| 25' (7.6 m) | lb (kg) | | | | | | | | | *41,660 (18,890) | 29'3" (8.91 m) |
| 20' (6.1 m) | lb (kg) | | | | | | | | | *51,590 (23,400) | 31'6" (9.60 m) |
| 15' (4.6 m) | lb (kg) | | | | | | | | | *59,360 (26,920) | 32'10" (10.01 m) |
| 10' (3.0 m) | lb (kg) | | | | | | | | | *66,300 (30,070) | 33'4" (10.17 m) |
| 5' (1.5 m) | lb (kg) | | | | | | | | | *70,000 (31,750) | 33'1" (10.09 m) |
| G.L. | lb (kg) | | | | | | | | | *70,060 (31,770) | 32'0" (9.77 m) |
| -5' (-1.5 m) | lb (kg) | | | | | | | | | *84,970 (38,540) | 30'1" (9.17 m) |
| -10' (-3.0 m) | lb (kg) | | | | | | | | | *89,000 (40,360) | 27'0" (8.25 m) |
| -15' (-4.6 m) | lb (kg) | | | | | | | | | *57,900 (26,260) | 22'6" (6.86 m) |

- Notes:
- 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, without bucket is defined as lift point.
 - The above lifting capacities are in compliance with SAE J150 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 originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

STANDARD EQUIPMENT

ENGINE

- Engine, HINO E13CYM-KSDB, diesel engine with turbocharger and intercooler, Tier IV final certified
- Automatic engine deceleration
- Batteries (2 x 12 V, 245H52)
- Starting motor (24 V -7 kW), 90 amp alternator
- Removable clean-out screen for radiator
- Automatic shut-down for low engine oil pressure
- Engine oil pan drain cook
- Double element air cleaner x 2
- Hydraulic driven cooling fan
- Auto Idle Stop

CONTROL

- Hydraulic driven cooling fan

SWING SYSTEM & TRAVEL SYSTEM

- Swing rebound prevention system
- Straight propel system
- Two-speed travel with automatic down shift
- Sealed & Lubricated track links
- Grease-type track adjusters
- 35.4" (900 mm) track shoes
- Automatic swing brake
- Three track guides

HYDRAULIC

- Exclusive boom to arm regeneration systems
- Independent hydraulic driven cooling fan for oil cooler and engine
- Auto warm up system
- Aluminum hydraulic oil cooler

MIRRORS & LIGHTS

- Three rearview mirrors plus rear-view camera
- Two front working lights for boom and one front working light for upper structure

CAB & CONTROL

- Two control levers, pilot-operated
- Tow eyes
- Horn, electric
- Integrated left-right slide-type control box for operator access to controls
- All-weather, sound suppressed cab
- Interior cab light
- Cab mirror
- Coat hook
- Storage tray
- Large cup holder
- Detachable two-piece floor mat
- Retractable seat belt
- Headrest
- Handrails
- Heater and defroster
- Intermittent windshield wiper with double-spray washer
- Skylight
- Top guard
- Tinted safety glass
- Pull-up type front window and removable lower front window
- Easy-to-read multi-display monitor
- Automatic air conditioner
- Emergency escape hammer
- 7-way adjustable suspension seat
- Travel alarm
- Pre-air cleaner
- Manual DPF switch
- 12V converter
- DEF level gauge
- 4.40HD Arm
- Two-way control pattern changer

OPTIONAL EQUIPMENT

- Full track guides
- Additional hydraulic circuit
- Rotation circuit
- Boom and arm safety valve
- Counterweight removal device
- Right view camera
- Front guard or guards, mesh and HD
- Cab lights
- ME specification
- N&B piping
- 3.6HD Arm
- 5.40HD Long Arm
- 2.90HD Short Arm
- Air suspension seat
- Additional work light

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