<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>111,774 lbs (50,700 kg)</td>
</tr>
<tr>
<td>NET Horsepower</td>
<td>345 hp @ 1,850 rpm (257 kW @ 1,850 rpm)</td>
</tr>
<tr>
<td>Max Digging Depth</td>
<td>25’ 7.5” (7.81 m)</td>
</tr>
<tr>
<td>Bucket Capacity</td>
<td>1.77 to 5.5 cu yd (1.35 to 4.21 m³)</td>
</tr>
<tr>
<td>Bucket Breakout Force (SAE)</td>
<td>60,020 lbf (267 kN)</td>
</tr>
</tbody>
</table>

SK485LC

ACERA® MARK 9

TIER 4 INTERIM
POWER AND PRODUCTIVITY - WITH EVEN BETTER FUEL EFFICIENCY

No one beats Kobelco when it comes to power and productivity. Kobelco has also built a reputation as one of the most fuel efficient excavators in the industry. Now the SK485 Mark 9, with its Hino engine - equipped with cooled exhaust gas recirculation (CEGR) engine technology, meets the EPA’s Tier 4 Interim emissions standards, while delivering even better performance and fuel efficiency. Kobelco’s system approach to Tier 4, including upgrades to our Intelligent Total Control System (ITCS™) hydraulics delivers better fuel efficiency than the Tier 3 model it replaces, keeping the SK485 Mark 9 in a class by itself when compared to fuel efficiency of other brands of excavators for Tier 4 Interim.

Powerfully Productive
The SK485LC still leads the pack in overall performance. Our proven Tier 4 Interim Hino engine powers our efficient/intelligent hydraulics to deliver:
• 10% more productivity with more power and faster cycle times
• More engine torque to get more work done
• Variable geometry turbocharger to improve engine response
• Hydraulics tuned for high swing torque and high arm digging forces
• Exceptionally fast cycle times for highest productivity

CEGR for Tier 4 Interim for Simple Operation and Production
• Large excavator application fits well with benefits of cooled exhaust gas recirculation (CEGR)
• Combustion temperatures tuned to lower NOx
• Diesel oxygen catalyst (DOC) and diesel particular filter (DPF) in exhaust to lower particulate matter
• Automatic regeneration to clean DPF, does not impact operation of machine
• Efficient packaging of Tier 4 components to maintain excellent visibility and operator confidence and productivity. Optimized intelligent hydraulics deliver better fuel efficiency

Improved Fuel Efficiency
• 10% better fuel efficiency – Kobelco’s Mark 9 excavators are the most fuel efficient we have ever built
• New E Mode for added fuel economy while still providing excellent productivity delivers up to 14% better economy
• Control monitor with fuel economy meter showing per-hour fuel consumption, and Eco Gauge that indicates when machine is being operated in the most efficient manner
• Auto-Decel reduces engine rpm after 4 seconds of operator inactivity, extending engine life and reducing fuel cost

Auto Warm-Up System
Kobelco’s Acera Mark 9 Series feature a fully automatic engine and hydraulic warm up system. This warms up the hydraulic circuit to an optimum 126 degree (F). This feature improves system efficiency to make you more productive more quickly, and it also helps reduce component wear.

The SK485LC provides superior bucket and arm digging forces so you can easily handle the most demanding digging conditions.

Easy access for servicing of filters, batteries and hydraulics reduces maintenance time to boost your productivity.
Large cab features ROPS/FOPS protection and generous operator comfort features, making it a safer and more productive place to work.
UNPARALLELED VISIBILITY AND CONTROL

You can’t perform at your best if you’re not comfortable and confident. Kobelco has gone to extremes to ensure that our customers are at their best when operating our excavators. The SK485 Mark 9 delivers complete operational control including our upgraded Intelligent Total Control System (ITCS™) with progressive hydraulic acceleration that combines aggressive power and speed with fine control, so every movement is accurate and predictable. An all-new “EVO” cab with standard ROPS and FOPS protection, full-feature color control monitor and a host of features add to the comfort and convenience. Furthermore, the SK485 Mark 9, maintains the excellent visibility from a low rear engine cover and the added confidence and productivity from a standard wide-angle rearview camera.

Even Better Visibility
- Standard wide-angle rearview camera with dedicated monitor view panel keeps operator informed and productive
- Low-profile sheet metal and engine cover provides excellent visibility to the rear
- Repositioned controls and more glass provide better visibility from sides of the new cab
- New standard skylight with sunshade for a better view to overhead obstacles
- Moveable front and door windows provide visibility as well as cross-flow ventilation
- Operator is positioned for maximum visibility of all functions and operations

New Mark 9 “EVO” Cab
- New standard cab features rollover (ROPS) and falling object (FOPS) protection
- Larger/oversized cab accommodates all sizes of operators, along with plenty of storage space
- New, color, multi-display control monitor includes easy-to-read gauges, alerts and a full-color view screen dedicated to the rear wide-angle camera
- Optional air-suspension seat with heated cushions helps get operators working early and keeps them comfortable all day
- Insulated and isolation-mounted cab for low noise and vibration levels
- Standard climate control system with upgraded ventilation gives operators more adjustment options for air flow
Operators work with confidence and ease with a clear view of the jobsite, enhanced with larger windows, standard skylight and rearview camera.

ROPs/FOPS cab structure includes standard skylight with sunshade for added visibility.

- Wide entry/exit area provides easy access to the roomy cab
- Analog digital hour meter is positioned so that it can easily be viewed from ground level, even when machine is turned off
- 24 volt to 12 volt converter, with 12 volt power receptacle
- Improved ergonomics and convenience features include 2 drink holders and cell phone pocket
- AM/FM stereo with dual speakers is standard

Instrumentation That Is Easy to Read and Adjust
- Operators can establish and review service interval reminders for engine oil, hydraulic oil, fuel and filters
- Auxiliary hydraulics can be adjusted from the control monitor to match pressure and flow for the work tool
- Control monitor is repositioned along front pillar of cab to be within easy sight of operator at all times
- Self-diagnostics with fault code memory make it easy to check and adjust system pressures, engine speed, travel speed, hydraulic pressure and other operating functions
- Work and attachment modes are easy to select and are clearly displayed on the new color control monitor
- Dedicated panels on the control monitor include entry keypad and color view monitor from rearview camera
- New control monitor includes additional features such as fuel economy meter, Eco gauge and diesel particulate filter (DPF) gauge to indicate where regeneration will take place
- Warning screens and audible alarms alert you to temperature and pressure status

Heavy-Duty by Design
- Long, beefy X-frame offers enhanced stability and balance
- Flanged self-lubricating linkage bushings deliver long life with low maintenance
- Pumps, valves and piping are optimized for maximum efficiency
- Robust lift cylinders ensure maximum rated capacity
- Rollers, sprockets and travel motors are sealed for long life
- Heavy-duty boom and arm are now standard
Dependable 642 cu. in. (10.52 L) 6-cylinder turbocharged Hino engine puts out a maximum 1053 ft-lbs (1428 N⋅m) of torque.

The work mode system provides three work modes and two attachment modes to match your work operations. The control monitor features a large screen for the rearview camera and new fuel economy measurement graphing.
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.

High-strength brass bushings embedded with solid lubricant provide long life and extend intervals for greasing of pins up to 1000 hours.

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.
KOBELCO SOLUTIONS FOR DEMANDING APPLICATIONS

Are your jobs sometimes different or demanding? Is what you consider an opportunity what others call a problem? Then rely on Kobelco as your best choice for reliable, cost-effective solutions.

• **High and Wide Undercarriage** - wider (13’ 6”), higher, reinforced car body and undercarriage for greater stability, ground clearance and visibility, can be retracted to reduce transport width to 12 feet (with 31.5” track shoes). Great for pipeline trenching or high production truck loading, and for lifting heavy pipe and trench boxes.

• **Mass Excavator Front** - shorter 20’ 10” (6.35 m) boom and 7’ 10.5” (2.40 m) arm for use with heavier loads and larger capacity buckets, up to 5.5 yd³ (4.21 m³) for high production excavation applications where it is not feasible to use a larger machine.

• **Counterweight Removal System** - on-board mechanism for quickly and easily removing and lowering the counterweight to assist in preparing the machine for transport. Recommended for rental machines or for more frequent transport of machine.

• **Demolition Guarding Package** - a complete guarding arrangement for cab, car body and upper for use in demolition, shear and scrap applications

• **Auto-Lube System** - available for standard front or long reach versions, allows for automatic and more frequent lubrication, recommended for dusty conditions or working below water line

Kobelco offers an option for a factory-installed autolube system, to more easily keep the machine properly greased, minimize downtime and increase reliability in difficult or dusty applications.
Designed with attachments in mind
Kobelco doesn’t just design excavators; we design excavators for use with attachments.

• High-capacity hydraulic system is adjustable from inside the cab
• Standard one- or two-way auxiliary valve makes it easy to 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 grapples or twist buckets
• A full selection of buckets, couplers and thumbs are offered to maximize the versatility of the machine.
**DIMENSIONS:** SK485LC  
Unit ft-in (m)  
<table>
<thead>
<tr>
<th>ARM LENGTH</th>
<th>11’ 4” (3.45)</th>
<th>11’ 4” (3.45)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNDERCARRIAGE</td>
<td>Standard</td>
<td>High &amp; Wide</td>
</tr>
<tr>
<td>A. Overall length</td>
<td>39’ 6” (12.04)</td>
<td>39’ 6” (12.04)</td>
</tr>
<tr>
<td>B. Overall width (with 900mm shoe)</td>
<td>11’ 11.7” (3.56)</td>
<td>13’ 6” (4.10)</td>
</tr>
<tr>
<td>C. Overall height (to top of boom)</td>
<td>11’ 10” (3.60)</td>
<td>12’ 9.5” (3.90)</td>
</tr>
<tr>
<td>D. Basic machine length</td>
<td>21’ 1” (6.43)</td>
<td>21’ 1” (6.43)</td>
</tr>
<tr>
<td>E. Overall height (to top of cab)</td>
<td>11’ 1” (3.37)</td>
<td>13’ 1” (3.98)</td>
</tr>
<tr>
<td>F. Ground clearance of rear end*</td>
<td>4’ 5” (1.34)</td>
<td>5’ 7” (1.71)</td>
</tr>
<tr>
<td>G. Track on ground</td>
<td>14’ 5” (4.40)</td>
<td>14’ 5” (4.40)</td>
</tr>
<tr>
<td>H. Overall length of undercarriage</td>
<td>17’ 11” (5.46)</td>
<td>17’ 11” (5.46)</td>
</tr>
<tr>
<td>I. Undercarriage height at center</td>
<td>3’ 5” (1.05)</td>
<td>3’ 5” (1.05)</td>
</tr>
<tr>
<td>J. Track gauge</td>
<td>9’ 0” (2.75)</td>
<td>9’ 6” (2.88)</td>
</tr>
<tr>
<td>K. Width of crawler shoe</td>
<td>35.4” (900 mm)</td>
<td>35.4” (900 mm)</td>
</tr>
<tr>
<td>L. Ground clearance of undercarriage*</td>
<td>20.3” (515 mm)</td>
<td>35.0” (885 mm)</td>
</tr>
<tr>
<td>M. Tail swing radius</td>
<td>12’ 3” (3.74)</td>
<td>12’ 3” (3.74)</td>
</tr>
</tbody>
</table>

*Excludes height of grouser bar.

**SPECIFICATION SUMMARY**

**GENERAL**

- Operating weight with bucket lb (kg): 111,774 (50,700)
- Counterweight lb (kg): 22,707 (10,300)
- Bucket capacity range cu yd (m³): .88-2.75 (.67-2.10)

**ENGINE**

- Make and model: HINO P11C-VC
- Displacement cu in (L): 642 (10.52)
- Bore and stroke in (mm): 4.80"x5.91" (122x150)
- Horsepower SAE NET hp (kW) @ rpm: 345 @ 1,850 (257 @ 1,850)
- Horsepower ISO hp (kW) @ rpm: 363 @ 1,850 (271 @ 1,850)
- Max torque - ISO lbf-ft (kN m): 1,053 @ 1400 (1428 @ 1400)

**HYDRAULIC SYSTEM**

- Hydraulic pumps Number & type: ZVP+1FG
- Rated oil flow gpm (l/min): 2x97.8 (2x370)
- Pilot pump output gpm (l/min): 1x7.9 1x30
- Operating pressure:
  - Implement psi (MPa): 4,550 (31.4)
  - Travel psi (MPa): 4,970 (34.3)
  - Swing psi (MPa): 3,742 (25.8)
  - PowerBoost/Heavy lift psi (MPa): 4,970 (34.3)

**SHIPPING MEASUREMENTS:** SK485LC with bucket weight: 3,330 lbs (1,510 kg)

<table>
<thead>
<tr>
<th>SHOE WIDTH</th>
<th>in (mm)</th>
<th>35.4 (900)</th>
<th>35.4 (900)</th>
<th>31.5 (800)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNDERCARRIAGE</td>
<td>STANDARD</td>
<td>H &amp; W (retracted)</td>
<td>H &amp; W (retracted)</td>
<td></td>
</tr>
<tr>
<td>Machine width ft-in (mm)</td>
<td>11’ 11.7” (3650)</td>
<td>12’ 5” (3784)</td>
<td>12’ 0” (3657)</td>
<td></td>
</tr>
<tr>
<td>Machine length ft-in (mm)</td>
<td>39’ 6” (12,040)</td>
<td>39’ 6” (12,040)</td>
<td>39’ 6” (12,040)</td>
<td></td>
</tr>
<tr>
<td>Machine height ft-in (mm)</td>
<td>11’ 10” (3600)</td>
<td>13’ 1” (3980)</td>
<td>13’ 1” (3980)</td>
<td></td>
</tr>
<tr>
<td>Ground pressure psi (kPa)</td>
<td>8.41 (58)</td>
<td>8.8 (61)</td>
<td>9.9 (68)</td>
<td></td>
</tr>
<tr>
<td>Operating weight lb (kg)</td>
<td>111,774 (50,700)</td>
<td>118,807 (53,890)</td>
<td>117,805 (53,426)</td>
<td></td>
</tr>
</tbody>
</table>

**PERFORMANCE**

- Travel speed, turtle/rabbit mph (kph): 3.4/2.1 (5.4/3.4)
- Swing speed rpm: 7.8
- Swing torque lb-ft (kN m): 131,286 (178)
- Gradeability degrees: 35 (70%)
- Drawbar pulling force lbs (kN): 93,296 (415)

**REFILLING CAPACITIES**

- Unit: US gal (liters)
  - Fuel tank capacity gal (l): 169 (640)
  - Hydraulic oil reservoir gal (l): 75 (283)
  - Hydraulic system including oil reservoir gal (l): 142 (538)
  - Cooling system gal (l): 12.5 (47.4)
  - Engine oil gal (l): 11.2 (42.5)
  - Travel drive gal (l): 3.96 (15.0)
**SK485 LC SPECIFICATIONS**

**WORKING RANGES**

<table>
<thead>
<tr>
<th>ATTACHMENTS</th>
<th>Standard Arm</th>
<th>Optional Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>11' 4&quot; (3.45)</td>
<td>39' 7&quot; (12.07)</td>
<td>41' 4&quot; (12.59)</td>
</tr>
<tr>
<td>13' 3&quot; (4.04)</td>
<td>41' 4&quot; (12.59)</td>
<td>27' 6&quot; (8.39)</td>
</tr>
</tbody>
</table>

- **A.** Max digging reach
- **B.** Max digging depth
- **C.** Max reach height
- **D.** Max dumping clearance
- **E.** Max vertical wall digging depth
- **F.** Max front swing radius
- **G.** Height at min front swing radius
- **H.** Digging depth for 8' (2.4m) flat bottom
- **I.** Horizontal leveling stroke at ground level
- **J.** Horiz leveling stroke at ground level

**DIGGING FORCES**

<table>
<thead>
<tr>
<th>ARM</th>
<th>ft-in (m)</th>
<th>Standard Arm (11' 4&quot; (3.45))</th>
<th>Optional Arm (13' 3&quot; (4.04))</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Arm</td>
<td>lb (kN)</td>
<td>SAE</td>
<td>ISO</td>
</tr>
<tr>
<td>Optional Arm</td>
<td>lb (kN)</td>
<td>SAE</td>
<td>ISO</td>
</tr>
<tr>
<td>Standard Arm</td>
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<td>SAE</td>
<td>ISO</td>
</tr>
<tr>
<td>Optional Arm</td>
<td>lb (kN)</td>
<td>SAE</td>
<td>ISO</td>
</tr>
</tbody>
</table>

- **A.** Reach swing centerline to bucket hook
- **B.** Bucket hook height above/below ground
- **C.** Lifting capacities in pounds and kilograms

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 SAE Hydraulic Excavator Lift Capacity Standard J 1097. 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 — HIGH & WIDE version** with 35.5" (900 mm) triple grouser shoe

Based on machine equipped with – Arm: 11' 4" (3450 mm) Boom: 23' 0" (7000 mm) Bucket: SAE heaped 2.50 cu. yd. (1.91 m³) bucket

Bucket weight: 3,330 lbs. (1510 kg)

**LIFT POINT RADIUS**

- **5' (1.5 m)**
- **10' (3.0 m)**
- **15' (4.5 m)**
- **20' (6.1 m)**
- **25' (7.6 m)**
- **30' (9.1 m)**

**LIFTING CAPACITY**

- **Ground Level**
- **-5' (-1.5 m)**
- **-10' (-3.0 m)**
- **-15' (-4.5 m)**
- **-20' (-6.0 m)**

**Notes:**

- **Rating over front**
- **Rating over side/360 degrees**

- **At heavy lift pressure: 4,970 psi (34.3 MPa)**

- **A.** Reach swing centerline to bucket hook
- **B.** Bucket hook height above/below ground
- **C.** Lifting capacities in pounds and kilograms

- **-5' (-1.5 m)**
- **-10' (-3.0 m)**
- **-15' (-4.5 m)**
- **-20' (-6.0 m)**

**RATED LIFTING CAPACITIES**

- **25' (7.6 m)**
- **20' (6.1 m)**
- **15' (4.6 m)**
- **10' (3.0 m)**
- **5' (1.5 m)**

**RATED LIFTING CAPACITIES**

<table>
<thead>
<tr>
<th>Ground Level</th>
<th>lb (kg)</th>
<th>SAE</th>
<th>ISO</th>
</tr>
</thead>
<tbody>
<tr>
<td>-5' (-1.5 m)</td>
<td>28,905</td>
<td>13,111</td>
<td>13,111</td>
</tr>
<tr>
<td>-10' (-3.0 m)</td>
<td>41,762</td>
<td>18,943</td>
<td>18,943</td>
</tr>
<tr>
<td>-15' (-4.5 m)</td>
<td>64,227</td>
<td>29,133</td>
<td>29,133</td>
</tr>
<tr>
<td>-20' (-6.0 m)</td>
<td>96,910</td>
<td>43,615</td>
<td>43,615</td>
</tr>
</tbody>
</table>

**RATED LIFTING CAPACITIES**

- **25' (7.6 m)**
- **20' (6.1 m)**
- **15' (4.6 m)**
- **10' (3.0 m)**
- **5' (1.5 m)**

**RATED LIFTING CAPACITIES**

<table>
<thead>
<tr>
<th>Ground Level</th>
<th>lb (kg)</th>
<th>SAE</th>
<th>ISO</th>
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<td>-20' (-6.0 m)</td>
<td>96,910</td>
<td>43,615</td>
<td>43,615</td>
</tr>
</tbody>
</table>
### Lifting Capacity — 35.5" (900 mm) Triple Grouser Shoe

Based on machine equipped with – Arm: 11' 4" (3450 mm) Boom: 23' 0" (7000 mm) Bucket: SAE heaped 2.50 cu. yd. (1.91 m³) bucket

Bucket weight: 3,330 lbs. (1510 kg)

**Lift Point Radius**

<table>
<thead>
<tr>
<th>A</th>
<th>5' (1.5 m)</th>
<th>10' (3.0 m)</th>
<th>15' (4.6 m)</th>
<th>20' (6.1 m)</th>
<th>25' (7.6 m)</th>
<th>30' (9.1 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25' (7.6 m)</td>
<td>lb</td>
<td>kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20' (6.1 m)</td>
<td>lb</td>
<td>kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15' (4.6 m)</td>
<td>lb</td>
<td>kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10' (3.0 m)</td>
<td>lb</td>
<td>kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5' (1.5 m)</td>
<td>lb</td>
<td>kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Level**

-5' (1.5 m)
-10' (3.0 m)
-15' (4.6 m)
-20' (6.1 m)

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 hook.

4. The above rated loads are in compliance with SAE Hydraulic Excavator Lift Capacity Standard J 1097. 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** — 35.5\(^\circ\) (900 mm) triple grouser shoe

Based on machine equipped with — Arm: 13\(^\circ\) 3" (4040 mm)  
Boom: 23\(^\circ\) 0" (7000 mm)  
Bucket: SAE heaped 2.50 cu. yd. (1.91 m\(^3\)) bucket

Bucket weight: 3,330 lbs. (1510 kg)

---

**LIFT POINT RADIUS**

<table>
<thead>
<tr>
<th>5(^\circ) (1.5 m)</th>
<th>10(^\circ) (3.0 m)</th>
<th>15(^\circ) (4.5 m)</th>
<th>20(^\circ) (6.1 m)</th>
<th>25(^\circ) (7.6 m)</th>
<th>30(^\circ) (9.1 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RADIUS</strong></td>
<td><strong>AT MAX. REACH</strong></td>
<td><strong>RADIUS</strong></td>
<td><strong>AT MAX. REACH</strong></td>
<td><strong>RADIUS</strong></td>
<td><strong>AT MAX. REACH</strong></td>
</tr>
<tr>
<td>25(^\circ) (7.6 m)</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>5(^\circ) (1.5 m)</td>
<td>31,045</td>
<td>14,002</td>
<td>31,045</td>
<td>14,002</td>
<td>37,988</td>
</tr>
<tr>
<td>10(^\circ) (3.0 m)</td>
<td>17,403</td>
<td>7,894</td>
<td>17,403</td>
<td>7,894</td>
<td>41,986</td>
</tr>
<tr>
<td>15(^\circ) (4.5 m)</td>
<td>5,673</td>
<td>2,535</td>
<td>5,673</td>
<td>2,535</td>
<td>39,828</td>
</tr>
<tr>
<td>20(^\circ) (6.1 m)</td>
<td>19,972</td>
<td>9,095</td>
<td>19,972</td>
<td>9,095</td>
<td>37,040</td>
</tr>
<tr>
<td>25(^\circ) (7.6 m)</td>
<td>31,337</td>
<td>14,062</td>
<td>31,337</td>
<td>14,062</td>
<td>43,472</td>
</tr>
<tr>
<td>30(^\circ) (9.1 m)</td>
<td>5,578</td>
<td>2,535</td>
<td>5,578</td>
<td>2,535</td>
<td>41,361</td>
</tr>
</tbody>
</table>

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**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 hook.
4. The above rated loads are in compliance with SAE Hydraulic Excavator Lift Capacity Standard J 1097. 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.
Based on machine equipped with:

- Arm: 7' 10.5" (2400 mm)
- Boom: 23' 0" (7000 mm)
- Bucket: SAE heaped 5.50 cu. yd. (4.21 m³)
- Bucket weight: 5,300 lbs. (2404 kg)

LIFTING CAPACITY — 9' 10" (3.00 m) Arm; Mass Excavator Front

Based on machine equipped with:

- Arm: 9' 10" (3000 mm)
- Boom: 23' 0" (7000 mm)
- Bucket: SAE heaped 2.50 cu. yd. (1.91 m³)
- Bucket weight: 3,330 lbs. (1510 kg)

**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. 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.
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 SAE Hydraulic Excavator Lift Capacity Standard J1097. 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 KOBELEC Construction Machinery America LLC.

**LIFTING CAPACITY — Mass Excavator**

Based on machine equipped with Mass Excavator Front:

- Arm: 7' 10.5" (2400 mm)
- Boom: 20' 10" (6350 mm)
- Bucket: SAE heaped 5.50 cu. yd. (4.21 m³)
- Bucket weight: 5,300 lbs. (2404 kg)

**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. 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.
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 SAE Hydraulic Excavator Lift Capacity Standard J1097. 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 KOBELEC Construction Machinery America LLC.
STANDARD EQUIPMENT

- AM/FM stereo with speakers
- Arm: 11’ 4” (3.45 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
- Auto warm-up function of engine and hydraulic system
- Auxiliary valve with flow control, adjustable from control monitor
- Boom (heavy-duty), 23’ 0” (7.0 m) with hydraulic hoist cylinders
- Boom and arm holding (anti-drift) valves
- Cab with structures compliant per ISO 12177-2 (ROPS) and ISO 10262 (FOPS) is sound insulated, with viscous silicon-filled mounts, windshield wiper, cigarette lighter, ashtray, floor mat, cab light, control lever lock, tinted skylight with sunshade
- Climate control air conditioning/heating/defrost system
- Counterweight 19,400 lbs. (8,800 kg)
- Control monitor with color screen displays for rearview camera, mode selection, gauges for coolant temperature, fuel tank, diesel exhaust tank, and fuel economy. Menu functions for fuel economy graphing, maintenance schedules, system status, engine preheat, low engine oil pressure, engine coolant temperature, air cleaner restriction, battery charging, fuel level, CPU error and tachometer, auto-decel, mode selector, one/two pump auxiliary hydraulics and swing flashers
- Dual element air cleaner with service indicator
- Electric horn
- Engine by Hino, model P11C-VC, Tier 4 interim certified (CEGR)
- Engine shuts down automatically for low oil pressure
- Grease lubricated track display with strutted links
- Heavy-duty batteries (2 x 12 volt 136 Ah)
- Heavy Lift and Power Boost "without time limit"
- Hydraulic track adjusters with cushion springs
- Independent travel
- Lifetime-lubricated track rollers, idlers and sprockets
- Mode selection:
  - Work Modes:
    - H Mode — Heavy-duty excavation work
    - S Mode — Standard digging and loading work
    - E Mode — Fuel Economy
  - Attachment Modes:
    - B Mode — Breaker (one-way auxiliary)
    - A Mode — Auxiliary attachments - (two-way auxiliary) crusher/nibbler
- Power outlet, 24-volt to 12-volt converter
- Proportional Auto-Accel™ system
- Rearview camera and monitor
- 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 ignition (diesel engine), throttle and other operating switches
- Self-lubricated bushings in boom foot and boom hoist cylinders
- Self-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 system for low temperature with motor 24V-6.8 hp (5 kW) motor, heavy-duty batteries (2x12V-136 Ah) 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
- Swing priority (trenching system) functions automatically
- Swing shockless valve
- Track shoes: 35.4" (900 mm) triple bar grouser shoes
- Travel — two speed with automatic shift and travel alarm
- Two-lever control for boom, arm, bucket and swing, pilot operated
- Undercarriage master links
- Work lights — three front and two rear

OPTIONAL EQUIPMENT

- Mass Excavator with 20’10” (6.35 m) boom, 7’ 10.5” (2.40 m) arm
- Arm: 9’ 10" (3.00 m) with rock guard
- Arm: 13’ 3" (4.04 m) with rock guard
- Arm: 16’ 1" (4.90 m) with rock guard
- Auto-lube system
- Belly pan guard
- Boom and arm load (lock) valves
- Catwalk platforms
- Combined one-way or two-way auxiliary hydraulic piping (one or two pump) with hand or foot controls.
- Control pattern changer (ISO/BHL)
- Counterweight removal system
- Demolition guarding package
- High & wide lower
- Heated air suspension seat
- Independent pump auxiliary rotation hydraulic system
- Large selection of buckets
- Quick coupler
- Thumbs: main pin or progressive link hydraulic thumbs
- Track guide/guards for high and wide undercarriage
- Track shoes: 23.6" (600 mm) triple bar grouser
- Track shoes: 23.6" (600 mm) heavy-duty triple bar grouser
- Track shoes: 31.5" (800 mm) heavy-duty triple bar grouser
- Track shoes: 31.5" (800 mm) heavy-duty double bar grouser
- Track shoes: 35.4" (900 mm) single bar grouser
- Vandalism guards

Feel the passion we’ve built into the new Kobelco SK485LC excavator. If you demand productivity, performance and control, see your nearest Kobelco dealer today, or use our dealer locator at www.kobelcoamerica.com to find the dealer nearest you.
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