SK130HD
LOGGING SPECIFICATION

Bucket Capacity:
0.45 m³ ISO heaped

Engine Power:
74 kW/2,000 min⁻¹ (ISO 14396)

Operating Weight:
15,000 kg
KOBELECO is proud to announce
the SK130HDL from the ACERA GEOSPEC Series,
with specifications designed with logging and
wetland operation in mind.
Its logging specs have been upgraded,
with a structural design better suited to logging,
and larger-capacity hydraulic pumps and travel motor.
The SK130HD offers a full complement of
advanced functions that get the job
done no matter what the terrain.
Awesome Undercarriage

One Class Higher Travel Motor
The greater power of the travel motor gives rugged, reliable traction.

The SK130HDL provides the powerful travel needed to pull log sleds or work in wetlands, on rough terrain, in woods or on farms.

Top-class drawbar pulling force: 233 kN

Wide Shoes Ensure Plenty of Traction
You can count on smooth and dependable travel with longer crawlers and wider shoes that are usually used on machines the next class up.

Longer Crawler Length: 3,790 mm

Single Grouser Shoes
Crawlers have single grouser shoes with 25 mm lugs, instead of the usual triple grouser shoes, to stop mud clogging between the grousers. Travel is firm and fast, even across wet, muddy ground.

Wider Shoe Width: 900 mm (960 mm available as option)

Low Ground Pressure
Low ground pressure is assured by oversized crawler length and width, for smoother and easier transfer and travel.

Ground pressure: 25.1 kPa

Top-class Ground Clearance: 580 mm
Ample Performance

Twenty-Ton Class Hydraulic Pumps
Logging work is punishing on every machine operation: digging, swinging, dumping and travel. Hydraulic pumps designed for 20-ton machines can meet this heavy demand with power to spare.

Powerful Arm Crowding Force
The bucket comes into play when a site needs to be cleaned up before logging. The SK130HDL provides plenty of arm crowding force and bucket digging force for these kinds of logging applications.

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<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Arm crowding force:</td>
<td>64.4 kN</td>
</tr>
<tr>
<td>Bucket digging force:</td>
<td>90.1 kN</td>
</tr>
</tbody>
</table>

Powerful Engine
The high-pressure, common-rail fuel engine features adjustable control to maximize fuel efficiency and provide powerful medium/low speed torque. The result a highly fuel-efficient engine.

Large Capacity Fuel Tanks
One of the largest-capacity fuel tanks in the class delivers longer uninterrupted working.

Ample Work Radius for Collection Scattered Logs
A long reach and higher dumping height comes in handy when loading/unloading a log sled, collecting scattered logs, or working in forested terrain that has lots of obstacles.

Max. Dumping Height: (70 mm more than previous model) 6,350 mm
Max. Digging Reach: 8,340 mm

Fuel Tank: 275 L
**DURABILITY**

**Side Deck Bumpers**
Side deck bumpers are fitted to protect power plant and cab, and also simplify mounting of other (optional) protective equipment.

**Double Support Upper Rollers**
Improved support provided by new design for upper rollers reduces shaking and jolting of crawler shoes for smoother travel.

**Increased Clearance**
Increased clearance between upper frame and top of crawlers prevents wood debris building up and impeding travel.

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

New Fuel Filter System
A new fuel filter system has been installed that can handle the most punishing conditions. It now has a pre-filter (with built-in water separator), an ultra-fine main filter, and additional third filter, to ensure complete removal of dust and other impurities in the fuel.

Parallel Cooling Units
Parallel cooling units are easy to clean.

COMFORT

Spacious Cab Among Largest in the Class
Being the same as the cab used on the ACERA GEOSPEC SK200, the cab provides all the same advantages: easy access, lots of leg room, a large, comfortable seat and panoramic view of the worksite.

Double slide seat  Powerful automatic air conditioner  Spacious luggage tray
One-touch lock release simplifies opening and closing the front window  Large cup holder

*New interior design and materials create an elegant feel
A multi-function monitoring system for construction machines

KOMEXS (Kobelco Monitoring Excavator System) 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 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.

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 (N&B).

Maintenance data and warning alerts

Machine maintenance data

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

Warning alerts

- This system warns an alert if an anomaly is sensed, preventing damage that could result in machine downtime.
**Alarm information can be received through E-mail**

- Alarm information or maintenance notice can be received through E-mail, using a computer or cell phone.

**Security system**

**Engine start alarm**

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

**Area alarm**

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

**Daily/monthly reports**

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

<table>
<thead>
<tr>
<th>Model</th>
<th>SK130HDL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PERFORMANCE</strong></td>
<td></td>
</tr>
<tr>
<td>Bucket Capacity ISO heaped (m³)</td>
<td>0.45</td>
</tr>
<tr>
<td>Swing Speed (min⁻¹ (rpm))</td>
<td>11</td>
</tr>
<tr>
<td>Travel Speed (km/h)</td>
<td>3.52:1</td>
</tr>
<tr>
<td>Gradeability (%)</td>
<td>70 (55)</td>
</tr>
<tr>
<td>Bucket Digging Force (kN)</td>
<td>96.1</td>
</tr>
<tr>
<td>Arm Crowding Force (kN)</td>
<td>64.4</td>
</tr>
<tr>
<td>Drawbar pulling force (kN (kgf))</td>
<td>233 (23,700 (ISO 7467))</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Weight (kg)</td>
<td>15,000</td>
</tr>
<tr>
<td>Ground Pressure (kPa)</td>
<td>25.1</td>
</tr>
<tr>
<td>Shoe Width (mm)</td>
<td>900</td>
</tr>
<tr>
<td><strong>ENGINE</strong></td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>MITSUBISHI D44FR-74K8</td>
</tr>
<tr>
<td>Type</td>
<td>Direct injection, water cooled, 4-cyl, 4-cylinder diesel engine with turbocharger, intercooler</td>
</tr>
<tr>
<td>Power Output (kW/min⁻¹)</td>
<td>99.2/7,000 (ISO 9249)</td>
</tr>
<tr>
<td>Max. Torque (N.m/min⁻¹)</td>
<td>74.4/2,000 (ISO 14396)</td>
</tr>
<tr>
<td>Displacement (L)</td>
<td>4.349</td>
</tr>
<tr>
<td>Fuel Tank (L)</td>
<td>275</td>
</tr>
<tr>
<td><strong>HYDRAULIC SYSTEM</strong></td>
<td></td>
</tr>
<tr>
<td>Pump</td>
<td>Two variable displacement pumps + one gear pump</td>
</tr>
<tr>
<td>Max. Discharge Flow (l/min)</td>
<td>2 x 130, 1 x 20</td>
</tr>
<tr>
<td>Relief Valve Setting (MPa)</td>
<td>34.3</td>
</tr>
<tr>
<td>Swing motor</td>
<td>Axial piston motor</td>
</tr>
<tr>
<td>Travel motors (2 x axial-piston, two-step motors)</td>
<td></td>
</tr>
<tr>
<td>Hydraulic Oil tank (L)</td>
<td>17/2: system (104: tank level)</td>
</tr>
</tbody>
</table>

WORKING RANGES

Unit: mm

GENERAL DIMENSIONS

Unit: mm

*Without including shoe lug.

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.

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

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Bulletin No. SK130HDL 20130801 / 201411 Printed in Indonesia