STANDARD EQUIPMENT

ENGINE
- Engine, ISUZU AR-4JJ1XASK-01, Diesel engine with turbocharger and intercooler, Tier 4 certified
- Auto idle Stop
- Automatic engine deceleration
- Batteries (2 x 12V - 80 Ah)
- Starting motor (24 V - 5kW), 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
- E70mm track shoes
- Gear-typed track adjusters
- Automatic swing brake

MIRRORS & LIGHTS
- Rear view mirror and rearview camera
- Two front working lights

CAB & CONTROL
- Two control levers, pilot-operated
- Horn, electric
- Integrated left-right slide-type control box
- Cab light (interior)
- Coat hook
- Large cup holder
- Detachable two-piece floor mat
- Tilt adjustable suspension seat
- Retractable seatbelt
- Headrests
- Rear mirrors
- Intermittent windshield wiper with double-spray washer
- Side light
- Top guard (ISO 10262 : 1998)
- Tinted safety glass
- Full-type front window and removable lower front window
- Easy-to-read multi-display monitor
- Automatic air conditioner
- Emergency escape hammer
- Radio, AM/FM Stereo with speakers
- AUX and USB
- 12V converter
- Refueling pump
- N&B piping (Not applicable for Offset boom)
- Right view camera

OPTIONAL EQUIPMENT

- Various optional arms
- Wide range of shoes
- Front-guard protective structure (may interfere with bucket action)
- Object Handling Kit (boom safety + hook)
- Extra piping
- Add-on type counterweight
- Cab additional light
- Air suspension seat
- Rain visor (may interfere with bucket action)
- Travel alarm
- Breaker piping (Applicable for Offset boom)
- Lower under cover
- Dozer blade
- Offset boom
- Two-piece boom

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

KOBELCO CONSTRUCTION MACHINERY EUROPE B.V.
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1327 AE Almere
The Netherlands
www.kobelco-europe.com

July 2016 | PO0005

Copyright by KOBELCO CONSTRUCTION MACHINERY CO., LTD. No part of this catalog may be reproduced in any manner without notice.
“KOBELCO has made the short rear swing excavator the standard for mid-sized machines. And with ongoing development in innovations such as the iNDr noise reduction system that both shuts out dust and cuts noise, KOBELCO is boosting value and leading the industry with construction machinery ideally suited to the urban environment. The new SK140SRLC retains the compact shape and iNDr system advantages that KOBELCO has pioneered, but it has been fitted with a new and larger engine assembly for improved environmental protection. Low fuel consumption is balanced against increased work performance, and machine durability has been advanced. The new worldwide-model SK140SRLC. Working for the planet.”
Power Meets Efficiency
With iNDr for even quieter operation.

SK140SR LC

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Wide, clear view to the rear
Even with the larger engine compartment, the design minimizes hood height, ensuring an excellent direct view to the rear. In addition, the operator can monitor conditions behind the machine with clear, wide-angle images from the rear-view camera, which comes as standard equipment.

The Results Are Exceptional. The Big Merits:

“Ultimate Low Noise” is achieved by minimizing sound leakage during operation
Noise from the engine and cooling fan is absorbed by the duct, so the machine far surpasses legal requirements. Kobelco calls this system, which exceeds all noise standards, “Ultimate Low Noise,” and it reduces noise to 95dB(A).

Eliminating dust maintains cooling system performance
The high-density 60-mesh filter* blocks out dust in the intake air. This prevents clogging of the cooling system and the air cleaner, which maintains peak performance. The waveform filter allows air through the tops of the waves while collecting dust at the bottom, ensuring a smooth airflow.

How the filter catches dust

Easy filter maintenance system simplifies cleaning
Daily inspection consists of a visual check of the INDr filter only. If it looks dirty, it can be removed and washed without special tools.

DE/AdBlue tank

New, Environmentally Friendly Engine

New TIER IV Final compliance engine
The new type of TIER IV Final compliant engine is fitted with a diesel oxidation catalyst (DOC) and an SCR device to control emissions without using a diesel particulate filter (DPF). It has a large-capacity DE/AdBlue tank, extending intervals between fill-ups.

NOx reduction rate (damaged SCR system) 88% (based on new engine)

Particulate matter (PM) emissions cut
1 2

At high temperatures, nitrogen and oxygen combine to produce nitrous oxides (NOx). Reducing the amount of oxygen and lowering the combustion temperature results in much less NOx.

EGR cooler
While ensuring sufficient oxygen for combustion, cooled-emission gas is mixed with the intake air and recycled into the engine. This reduces oxygen content and lowers combustion temperature.

A newly developed engine raises the bar for construction machinery
The latest Kobelco construction machinery uses an ISUZU engine that is renowned for environmental performance, and has been tuned specifically for use in Kobelco machines. This new, environmentally friendly engine changes conventional wisdom on balancing powerful performance with eco-friendliness. Eliminating the DPF makes maintenance faster and easier than ever.

EGR cooler

Common rail system
High-pressure injection atomizes the fuel, and more precise injection improves combustion efficiency. This also contributes to better fuel economy.

Low noise and easy maintenance mean greater value than ever
A new design approach leads to a revolutionary double offset duct structure

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New TIER IV Final compliance engine

NOx emissions

EMISSIONS

Common rail system

Inter cooler

EGR cooler

DOC SCR

EGR cooler

Common rail system

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EGR cooler

Common rail system
High-pressure injection atomizes the fuel, and more precise injection improves combustion efficiency. This also contributes to better fuel economy.
Low noise and easy maintenance mean greater value than ever offset duct structure

By reviewing the iNDr configuration, Kobelco achieved both great visibility and a compelling design even though the engine compartment has been enlarged to meet TIER IV Final standards, maintaining the value of iNDr.

iNDr absorbs sound energy to minimize noise by making a path of air, which cools down engine, as one engine cooling duct. The new model is equipped with a selective catalytic reduction (SCR) unit, which reduced noise design with two offset ducts to overcome this. This allows ample space to absorb noise, making these new excavators as quiet as conventional models.

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Blocking out dust

Easy filter maintenance system simplifies cleaning

Daily inspection consists of a visual check of the iNDr filter only 1/10 tools time, it can be removed and washed without special tools.

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Common rail system

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EGR cooler

Particulate matter (PM) is mostly soot resulting from incomplete combustion; improved combustion efficiency reduces PM emissions..Filter further reduces PM emissions.

Common rail system

High-pressure injection atomizes the fuel, and more precise injection improves combustion efficiency. This also contributes to better fuel economy.

Intercooler

Intercooler

Intercooler

DOC SCR

DOC SCR

Common rail system

Common rail system

Intercooler

DOC SCR
Unbeatable Cost Performance
Greater Work Capacity: Exceeding Expectations in Productivity

Improved Fuel Efficiency Contributes to High Performance

Superior Digging Volume
This excavator offers dynamic digging force even as it minimizes fuel consumption rates, achieving class-leading work volume. H-mode with an increased torque setting delivers about 5.2% greater digging volume.

- **Digging volume/hour**
- **Max. bucket digging force**
  - 90.1 kN (ISO 6015)
  - 87.8 kN (SAE J1179)
- **Max. arm crowding force**
  - 64.4 kN (ISO 6015)
  - 62.3 kN (SAE J1179)

About **5.2% increase**

**Ideal for Urban Work Sites** Provides a Broad Working Range, Even in Close Quarters

- **Minimal swing radius improves efficiency**
  The tail of the upper body extends very little past the back end of the crawlers, so the operator can concentrate on the job at hand. This also reduces the risk of collision damage.

- **Easy workability in less than 3,890 mm of space**
  The compact design allows continuous 180° dig, swing, and load operations within a working space of just 3.89m.

- **Seamless feeling, smooth combined operations**
  The machines have inherited the various systems that make including and combined operations easy and accurate. Leveling and other combined operations can be carried out with graceful ease.

- **Swing operation cuts cycle times**
  11.0 minute-1 speeding cycle times. Dig, swing, load operations—continuous operation makes any task faster.

- **Strong drawbar pulling force produces powerful travel capabilities**
  These new excavators handle steep slopes and rough roads with ease while ensuring smooth changes in direction.

**Drawbar pulling force: 138 kN**

**Excellent Working Ranges**
Greater working ranges with class-topping vertical digging depth.

**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.

**Always and forever. Yesterday, today, and tomorrow. We’re obsessed with fuel efficiency.**
Over the past 8 years, KOBELCO has achieved an average fuel consumption reduction of 21% across its fleet. We vow to lead the industry in improving fuel efficiency.

**Energy-efficient System**
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-mode**
    - Minimum power for maximum productivity on your toughest jobs
  - **S-mode**
    - Ideal balance of productivity and fuel efficiency for a range of urban engineering projects
  - **ECO-mode**
    - Minimum fuel consumption for utility projects and other work that demands precision

**AIS (Auto Idle Stop)**
If the boarding/disembarking lever is left up, the engine will stop automatically. This eliminates wasteful idling during standing, saving fuel and reducing CO2 emissions as well.

**ECO-mode (SK140SR-5)** • • • About 21% improvement

**Easy hydraulic piping for quick hitch**
A quick hitch hydraulic line, which speeds up attachment changes, is available as an option.
Unbeatable Cost Performance

Greater Work Capacity:
Exceeding Expectations in Productivity

Improved Fuel Efficiency Contributes to High Performance

Superior Digging Volume

This excavator offers dynamic digging force even as it minimizes fuel consumption rates, achieving class-leading work volume. H-mode with an increased torque setting delivers about 5.2% greater digging volume.

Improved Fuel Efficiency Contributes to High Performance

Increased work volume.

About 5.2% increase

Max. bucket digging force
90.1 kN (ISO 6015)
87.8 kN (SAE J1179)

Max. arm crowding force
64.4 kN (ISO 6015)
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Yesterday, today, and tomorrow.

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AIS (Auto Idle Stop)

If the boarding/disembarking lever is left up, the engine will stop automatically. This eliminates wasteful idling during stand-by, saving fuel and reducing CO2 emissions as well.

Optimal operation with three modes

H-mode: Maximum power for maximum productivity on rough toughest jobs.
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.

Ideal for Urban Work Sites Provides a Broad Working Range, Even in Close Quarters

Minimal swing radius improves efficiency

The tail of the upper body extends very little past the back end of the crawlers, so the operator can concentrate on the job at hand. This also reduces the risk of collision damage.

Easy workability in less than 3,890 mm of space

The compact design allows continuous 180° dig, swing, and load operations within a working space of just 3.89m.

Seamless feeling, smooth combined operations

The machines have inherited the various systems that make inching and combined operations easy and accurate. Levelling and other combined operations can be carried out with graceful ease.

Swing operation cuts cycle times

11.0 minute-1 speedy cycle times Dig, swing, load operations—continuous operation makes any task faster.

Strong drawbar pulling force produces powerful travel capabilities

These new excavators handle steep slopes and rough roads with ease while ensuring smooth changes in direction.

Drawbar pulling force:138 kN

Excellent Working Ranges

Greater working ranges with class-topping vertical digging depth.

Max. digging height: 9,560 mm
Max. dumping height: 7,100 mm
Max. digging reach: 8,780 mm
Max. vertical digging depth: 5,440 mm

Easy hydraulic piping for quick hitch

A quick hitch hydraulic line, which speeds up attachment changes, is available as an option.
Comprehensive safety and intuitive operation

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

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.

**Top Guard level II**
Meets ISO10262

**Base Guard**
Meets ISO10262

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

**Expanded field of view for greater safety**

**Right side camera fitted as standard**
Further to the existing rear-view camera, a camera for the right side is fitted as standard for easy safety checks all round the machine.

**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.

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

**One-touch attachment mode switch**
A simple flick of a switch connects the hydraulic circuit and flow amount to match attachment changes. Icons help the operator to confirm the proper configuration at a glance.
Comprehensive safety and intuitive operation

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

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

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  - Digging mode switch
  - Monitor display switch

- One-touch attachment mode switch
  A simple flick of a switch connects the hydraulic circuit and flow amount to match attachment changes. Icons help the operator to confirm the proper configuration at a glance.

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.

- Expanded field of view for greater safety
  Top Guard level II (Meets ISO10262)
  Mirrors for vandal guards are standard equipment (contact your Kobelco dealer to fit vandalism or front rock guards).

- Right side camera fitted as standard
  Further to the existing rear-view camera, a camera for the right side is fitted as standard for easy safety checks all around the machine.

Safety

- Right Side Camera
- Rear View Camera

Top Guard level II
(Left Side)

Top Guard level II
(Rear Side)
Cab Design That Puts the Operator First

Wide and open, the cab’s interior overflows with features that streamline operation.

Comfort

Big roomy cab
The cube design makes the most of straight lines, so the cab interior is 4% more spacious than before. Operating space literally spreads out before the operator. And the 50Pa airtightness keeps dust outside.

Wide-open field of view
On the right side, the large single window has no center pillar, and the whole cab is designed for a wide field of view, giving the operator a direct view ahead and to the left and right. Mirrors in three positions make it easy for the operator to make sure things are safe all around.

A Light Touch on the Lever Means Smoother, Less Tiring Work
It takes 25% less effort to work the operation lever, which reduces fatigue over long working hours or continued operations.

Wide doors and ample head clearance mean smooth entry and exit
The control box and safety lock lever tilt up at a larger angle, and the door handle height is positioned for easy cab entry and exit.

Equipment designed for comfort and convenience
The cab interior offers a host of operator comforts. The seat guarantees comfort whether on the job or at rest, and everything is ergonomically planned and laid out for smooth, stress-free operation.

More comfortable seat means higher productivity
The cube design makes the most of straight lines, so the cab interior is 4% more spacious than before. Operating space literally spreads out before the operator. And the 50Pa airtightness keeps dust outside.

Bluetooth installed radio
Bluetooth installed to allow connections with iPhones and other devices.

Powerful automatic air conditioner
Also standard is an automatic air conditioner that maintains a comfortable interior environment all year round.

Seat suspension absorbs vibration
More comfortable seat means higher productivity

NEW

NEW

NEW
Cab Design That Puts the Operator First

Wide and open, the cab’s interior overflows with features that streamline operation.

Comfort

Big Roomy Cab
The cube design makes the most of straight lines, so the cab interior is 4% more spacious than before. Operating space literally spreads out before the operator. And the 50Pa airtightness keeps dust out.

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Wide Doors and Ample Head Clearance Mean Smooth Entry and Exit
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More Comfortable Seat Means Higher Productivity
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Equipment Designed for Comfort and Convenience
The cab interior offers a host of operator comforts. The seat guarantees comfort whether on the job or at rest, and everything is ergonomically planned and laid out for smooth, stress-free operation.

Bluetooth Installed Radio
Bluetooth installed to allow connections with iPhones and other devices.

Powerful Automatic Air Conditioner
Also standard is an automatic air conditioner that maintains a comfortable interior environment all year round.

Seat recliner can be pushed back far
Double slides allow adjustment for optimum comfort
Large cup holder
Spacious storage tray
Bluetooth installed
Powerful automatic air conditioner
USB/AUX
12V power outlet
Highly durable super-/fine filter
The high-capacity hydraulic oil filter incorporates glass fiber with superior cleaning power and durability.

Long-interval maintenance
Long-life hydraulic oil reduces cost and labor.

Replacement cycle:
- 1,000 hours
- 5,000 hours

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 monitors issues to check the status of the machine
- Record function of previous breakdowns including regular and transient malfunction

Maintenance information display

Easy, on-the-spot maintenance
Urea tank
Urea filter cap is placed on the step for easy access.

Engine maintenance
Setting-up maintenance area one step down allows easy access to the engine.

Handhold
The handhold is placed on the boom side. In addition, distance between the current handrails was increased to allow easier access to the maintenance port on the upper arm.

Urea tank
Urea filter cap is placed on the step for easy access.

Engine maintenance
Setting-up maintenance area one step down allows easy access to the engine.

Handhold
The handhold is placed on the boom side. In addition, the distance between the current handholds was increased to allow easier access to the maintenance port on the upper arm.

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.

Fast maintenance requires only a few procedures
Washer fluid tank is located under the cab floor mat.

Engine oil filter
Engine oil drain valve can be turned without special tool.

 Paso filter/air cleaning filter/cleaner

Control valve/water separator

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
Recognized as the best in the industry, our super-fine filter separates out even the smallest particles. New cover prevents contamination when changing filters.

Hydraulic fluid filter clog detector
Pressure sensors at the inlet and outlet of the hydraulic fluid filter monitor differences in pressure to determine the degree of clogging. If the difference in pressure exceeds a predetermined level, a warning appears on the multi-display, so any contamination can be removed from the filter before it reaches the hydraulic fluid reservoir.

Enlarged fuel filter
The enlarged fuel filter with built-in water separator maximizes filtering performance.

Easy cleaning saves time
Special cleaner-frame design makes it easy to clean off mud.

Double-element air cleaner
The large-capacity element features a double-filter structure that keeps the engine running clean even in industrial environments.

Long-life hydraulic oil
Long-life hydraulic oil reduces cost and labor.

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

Proper Maintenance Ensures Peak Efficiency
Kobelco machines are designed for quick, simple inspection and maintenance.

Quality that Keeps on Shining.
Valuable Assets Take Your Business to the Next Level.
Structural strength and proven reliability mean these machines can deal with heavy work loads and perform in rigorous site environments. From the lifecycle viewpoint, these machines maintain their value throughout their service lives.
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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

Recognized as the best in the industry, our super-fine filter separates out even the smallest particles. New cover prevents contamination when changing filters.

Enlarged fuel filter

The enlarged fuel filter with built-in water separator maximizes filtering performance.

Hydraulic fluid filter clog detector

Pressure sensors at the inlet and outlet of the hydraulic fluid filter monitor differences in pressure to determine the degree of clogging. If the difference in pressure exceeds a predetermined level, a warning appears on the multi-display, so any contamination can be removed from the filter before it reaches the hydraulic fluid reservoir.

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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’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.

#### Remote monitoring for peace of mind

- 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.

#### 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.

#### 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.

#### Maintenance Data and Warning Alerts

- Machine maintenance data
- Fuel consumption data
- Warning alerts
- Security system

#### Maintenance Data and Warning Alerts

- **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.

- **Warning Alerts**
  - This system warns an alert if an anomaly is sensed, preventing damage that could result in machine downtime.

- **Security System**
  - Engine start alarm
  - Area alarm

#### Security System

- **Engine start alarm**
  - The system can 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.

#### 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.

#### Area alarm

- Engine start alarm outside preset work time
- Area alarm
- Alarm for outside of reset area

### Error-free Data Retrieval

- Data can be retrieved for any work time period.
KOBELCO service personnel/dealer/customer

Digging Hrs  Traveling Hrs  Idle Hrs
Opt Att Hrs  Cane Mode Hrs  Ave,Fuel Consumption

Direct Access to Operational Status

Remote monitoring for peace of mind
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 fitted with this system, data on the machine’s operation, such as operating hours, location, fuel consumption, and maintenance status can be obtained remotely.

Maintenance Data and Warning Alerts

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

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.

Security system

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The system can 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.

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

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

Latest location
Location records
Work data

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

Latest location
Location records
Work data

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

Latest location
Location records
Work data

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

Latest location
Location records
Work data

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

Latest location
Location records
Work data

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

### Engine

<table>
<thead>
<tr>
<th>Model</th>
<th>OUT-LD-485ALC-50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>4 cylinder, water cooled, overhead valve, vertical in-line, direct injection type, with turbo-charge. Tier IV certified.</td>
</tr>
<tr>
<td>No. of cylinders</td>
<td>4</td>
</tr>
<tr>
<td>Bore and stroke</td>
<td>95.4 mm x 104.9 mm</td>
</tr>
<tr>
<td>Displacement</td>
<td>2,099 mm</td>
</tr>
<tr>
<td>Rated power output</td>
<td>NET 71.5kW/2,000 min (ISO 9249: With fan)</td>
</tr>
<tr>
<td>Max. torque</td>
<td>2.84 m</td>
</tr>
<tr>
<td>Oil cooler</td>
<td>Air cooled type</td>
</tr>
</tbody>
</table>

### Swing System

<table>
<thead>
<tr>
<th>Swing system</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing motor</td>
<td>Axial piston motor</td>
</tr>
<tr>
<td>Brake</td>
<td>Hydraulic, locking automatically when swing control lever is in the neutral position</td>
</tr>
<tr>
<td>Parking brake</td>
<td>Oil disk brake, hydraulic operated automatically</td>
</tr>
<tr>
<td>Swing speed</td>
<td>11.0 m/min</td>
</tr>
<tr>
<td>Swing torque</td>
<td>39.94 m</td>
</tr>
<tr>
<td>Tail swing radius</td>
<td>1,490 mm</td>
</tr>
<tr>
<td>Min. front swing radius</td>
<td>2,000 mm</td>
</tr>
</tbody>
</table>

### Cab & Control

<table>
<thead>
<tr>
<th>Cab &amp; Control</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>All-weather, sound suppressed steel cab mounted on the silicon sealed viscous mounts and equipped with a heavy, insulated floor mat.</td>
<td></td>
</tr>
<tr>
<td>Two-hand levers and two foot pedals for travel</td>
<td></td>
</tr>
<tr>
<td>Two-hand levers for excavating and swing</td>
<td></td>
</tr>
<tr>
<td>Electric rotary-type engine throttle</td>
<td></td>
</tr>
</tbody>
</table>

### Hydraulic System

<table>
<thead>
<tr>
<th>Pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Two variable displacement piston pumps + one gear pump</td>
</tr>
<tr>
<td>Max. discharge flow</td>
</tr>
<tr>
<td>2 x 130 L/min</td>
</tr>
<tr>
<td>1 x 20 L/min</td>
</tr>
<tr>
<td>Relief valve settings</td>
</tr>
<tr>
<td>Boom, arm and bucket</td>
</tr>
<tr>
<td>34.3 Mpa (150 kgf/cm²)</td>
</tr>
<tr>
<td>Travel circuit</td>
</tr>
<tr>
<td>34.3 Mpa (150 kgf/cm²)</td>
</tr>
<tr>
<td>Control circuit</td>
</tr>
<tr>
<td>5.0 Mpa (50 kgf/cm²)</td>
</tr>
<tr>
<td>Pilot control pump</td>
</tr>
<tr>
<td>Gear type</td>
</tr>
<tr>
<td>Main control valves</td>
</tr>
<tr>
<td>8 spool</td>
</tr>
<tr>
<td>Oil cooler</td>
</tr>
<tr>
<td>Air cooled type</td>
</tr>
</tbody>
</table>

### Boom, Arm & Bucket

<table>
<thead>
<tr>
<th>Boom, Arm &amp; Bucket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom cylinders</td>
</tr>
<tr>
<td>100 mm x 1,992 mm</td>
</tr>
<tr>
<td>Arm cylinder</td>
</tr>
<tr>
<td>115 mm x 1,126 mm</td>
</tr>
<tr>
<td>Bucket cylinder</td>
</tr>
<tr>
<td>95 mm x 903 mm</td>
</tr>
</tbody>
</table>

### Dozer Blade (Optional)

<table>
<thead>
<tr>
<th>Dozer Blade</th>
</tr>
</thead>
<tbody>
<tr>
<td>110 mm x 0.220 mm</td>
</tr>
<tr>
<td>Overall width</td>
</tr>
<tr>
<td>2,598 mm (standard x 0.575 mm (height))</td>
</tr>
<tr>
<td>Working range</td>
</tr>
<tr>
<td>515 mm (ap x 0.575 mm (down))</td>
</tr>
</tbody>
</table>

### Refilling Capacities & Lubrications

<table>
<thead>
<tr>
<th>Refilling Capacities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
</tr>
<tr>
<td>190 L</td>
</tr>
<tr>
<td>Cooling system</td>
</tr>
<tr>
<td>9.0 L</td>
</tr>
<tr>
<td>Engine oil</td>
</tr>
<tr>
<td>10.0 L</td>
</tr>
<tr>
<td>Travel reduction gear</td>
</tr>
<tr>
<td>2 x 2.1 L</td>
</tr>
<tr>
<td>Swing reduction gear</td>
</tr>
<tr>
<td>1.65 L</td>
</tr>
<tr>
<td>Hydraulics oil tank</td>
</tr>
<tr>
<td>146.0 L</td>
</tr>
<tr>
<td>DEF/AdBlue tank</td>
</tr>
<tr>
<td>33.9 L</td>
</tr>
</tbody>
</table>

### Attachments

<table>
<thead>
<tr>
<th>Backhoe bucket and combination.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use</td>
</tr>
<tr>
<td>Bucket capacity</td>
</tr>
<tr>
<td>ISO heaped m³</td>
</tr>
<tr>
<td>Shackled m³</td>
</tr>
<tr>
<td>Standard</td>
</tr>
<tr>
<td>Recommended</td>
</tr>
<tr>
<td>Loading only</td>
</tr>
<tr>
<td>Not recommended</td>
</tr>
<tr>
<td>Opening width</td>
</tr>
<tr>
<td>With side cutter mm</td>
</tr>
<tr>
<td>560</td>
</tr>
<tr>
<td>Without side cutter mm</td>
</tr>
<tr>
<td>560</td>
</tr>
<tr>
<td>1,126 mm</td>
</tr>
<tr>
<td>1,150 mm</td>
</tr>
<tr>
<td>1,110 mm</td>
</tr>
<tr>
<td>1,100 mm</td>
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<tr>
<td>1,000 mm</td>
</tr>
<tr>
<td>840 mm</td>
</tr>
<tr>
<td>700 mm</td>
</tr>
<tr>
<td>600 mm</td>
</tr>
<tr>
<td>&amp; 600 mm</td>
</tr>
<tr>
<td>500 mm</td>
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<tr>
<td>450 mm</td>
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<tr>
<td>400 mm</td>
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<td>350 mm</td>
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<td>3 mm</td>
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<td>300 mm</td>
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<td>100 mm</td>
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<td>300 mm</td>
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<td>200 mm</td>
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<td>150 mm</td>
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<td>25 mm</td>
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<td>15 mm</td>
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<tr>
<td>10 mm</td>
</tr>
<tr>
<td>5 mm</td>
</tr>
<tr>
<td>3 mm</td>
</tr>
<tr>
<td>1 mm</td>
</tr>
</tbody>
</table>

### Working Ranges

<table>
<thead>
<tr>
<th>Working Ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
</tr>
<tr>
<td>450 mm</td>
</tr>
<tr>
<td>Unit m</td>
</tr>
<tr>
<td>Width</td>
</tr>
<tr>
<td>2.38 m</td>
</tr>
<tr>
<td>Long</td>
</tr>
<tr>
<td>2.38 m</td>
</tr>
</tbody>
</table>

### Operating Weight & Ground Pressure

<table>
<thead>
<tr>
<th>Operating Weight &amp; Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>In standard trim, with standard boom, 2.38 m arm, and 0.5 m ISO heaped bucket.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall weight</td>
<td></td>
</tr>
<tr>
<td>7,900 kg</td>
<td></td>
</tr>
<tr>
<td>Ground pressure (kgf)</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td></td>
</tr>
<tr>
<td>Operating weight (kgf)</td>
<td></td>
</tr>
<tr>
<td>14,500</td>
<td></td>
</tr>
</tbody>
</table>

**SK 140SRLC-5**
### Specifications

#### Engine

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Rated power output NET 71.9 kW/2,000 min</th>
<th>Max. torque 34.3 MPa</th>
</tr>
</thead>
<tbody>
<tr>
<td>4D105-12</td>
<td>Vertical air-cooled, four-cylinder, direct-injection, turbo-charged</td>
<td>71.9 kW/2,000 min</td>
<td>34.3 MPa</td>
</tr>
</tbody>
</table>

#### Hydraulic System

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. discharge flow</td>
<td>2 x 180 L/min</td>
</tr>
<tr>
<td>Min. front swing radius</td>
<td>2,000 mm</td>
</tr>
<tr>
<td>Swing speed</td>
<td>110.0 mm</td>
</tr>
<tr>
<td>Piston diameter</td>
<td>95.4 mm × 104.9 mm</td>
</tr>
<tr>
<td>No. of cylinders</td>
<td>4</td>
</tr>
<tr>
<td>Gear type</td>
<td>8-spool</td>
</tr>
<tr>
<td>Relate valve setting</td>
<td>Boom cylinder: 3.4 Mpa (150 kgf/cm²)</td>
</tr>
<tr>
<td>Travel cylinder: 3.4 Mpa (150 kgf/cm²)</td>
<td></td>
</tr>
<tr>
<td>Control cylinder: 3.0 Mpa (50 kgf/cm²)</td>
<td></td>
</tr>
<tr>
<td>Relief valve setting</td>
<td>8-spoke</td>
</tr>
<tr>
<td>Oil cooler</td>
<td>Air-cooled type</td>
</tr>
</tbody>
</table>

#### Swing System

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing motor</td>
<td>Axial piston motor</td>
</tr>
<tr>
<td>Brake</td>
<td>Hydraulic, locking automatically</td>
</tr>
<tr>
<td>Parking brake</td>
<td>Oil disk brake, hydraulic operated</td>
</tr>
<tr>
<td>Swing speed</td>
<td>110.0 mm</td>
</tr>
<tr>
<td>Tail swing radius</td>
<td>1,490 mm</td>
</tr>
<tr>
<td>Min. front swing radius</td>
<td>2,000 mm</td>
</tr>
</tbody>
</table>

#### Cab & Control

- All-weather, sound-suppressed steel cab, mounted on the silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat.
- Cab & Control: 8 x 100 L/min, 2 x 130 L/min + one gear pump
- All-weather, sound-suppressed steel cab mounted on silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat.

#### Boom, Arm & Bucket

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom cylinders</td>
<td>100 mm x 1,902 mm</td>
</tr>
<tr>
<td>Arm cylinder</td>
<td>115 mm x 1,280 mm</td>
</tr>
<tr>
<td>Bucket cylinder</td>
<td>95 mm x 903 mm</td>
</tr>
</tbody>
</table>

#### Dozer Blade (Optional)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dozer cylinder</td>
<td>110 mm x 220 mm</td>
</tr>
<tr>
<td>Dimension</td>
<td>2,500 mm (tail end) x 575 mm (height)</td>
</tr>
</tbody>
</table>

#### Refilling Capacities & Lubrications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>190 L</td>
</tr>
<tr>
<td>Cooling system</td>
<td>90 L</td>
</tr>
<tr>
<td>Engine oil</td>
<td>130 L</td>
</tr>
<tr>
<td>Swing reduction gear</td>
<td>2 x 2.1 L</td>
</tr>
</tbody>
</table>

#### Dimensions

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall width of upper structure</td>
<td>2,490 mm</td>
</tr>
<tr>
<td>Overall height to top of boom</td>
<td>1,990 mm</td>
</tr>
<tr>
<td>Track gauge</td>
<td>1,990 mm</td>
</tr>
</tbody>
</table>

#### Operating Weight & Ground Pressure

In standard trim, with standard boom, 2.38 m arm, and 0.5 m³ ISO heaped bucket.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight kg</td>
<td>14,300</td>
</tr>
</tbody>
</table>

#### Working Ranges

<table>
<thead>
<tr>
<th>Range</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall weight</td>
<td>7,000</td>
</tr>
<tr>
<td>Max. digging reach</td>
<td>5.0 x 5.0 m</td>
</tr>
<tr>
<td>Max. digging reach at ground level</td>
<td>5.79 x 5.79 m</td>
</tr>
<tr>
<td>Max. digging depth</td>
<td>5.98 x 5.98 m</td>
</tr>
<tr>
<td>Max. digging depth at ground level</td>
<td>6.74 x 6.74 m</td>
</tr>
<tr>
<td>Max. digging depth for 2 m (F)</td>
<td>4.21 x 4.21 m</td>
</tr>
<tr>
<td>Max. digging depth for 2 m (C)</td>
<td>5.29 x 5.29 m</td>
</tr>
</tbody>
</table>

#### Attachments

- Backhoe bucket and combination.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket capacity ISO heaped m³</td>
<td>0.24</td>
</tr>
<tr>
<td>Bucket capacity ISO heaped m³</td>
<td>0.31</td>
</tr>
<tr>
<td>Bucket capacity ISO heaped m³</td>
<td>0.38</td>
</tr>
<tr>
<td>Bucket capacity ISO heaped m³</td>
<td>0.45</td>
</tr>
<tr>
<td>Bucket capacity ISO heaped m³</td>
<td>0.50</td>
</tr>
<tr>
<td>Bucket capacity ISO heaped m³</td>
<td>0.57</td>
</tr>
<tr>
<td>Bucket capacity ISO heaped m³</td>
<td>0.70</td>
</tr>
<tr>
<td>Opening width</td>
<td>3.18 m³</td>
</tr>
<tr>
<td>Standard arm</td>
<td>2.84 m³</td>
</tr>
</tbody>
</table>

#### Operating Weight & Ground Pressure

In standard trim, with standard boom, 2.38 m arm, and 0.5 m³ ISO heaped bucket.

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<tbody>
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</tbody>
</table>

#### Engine

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>4D105-12</td>
</tr>
<tr>
<td>Rated power output</td>
<td>71.9 kW/2,000 min</td>
</tr>
<tr>
<td>Max. torque</td>
<td>34.3 MPa</td>
</tr>
</tbody>
</table>

#### Swing System

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing motor</td>
<td>Axial piston motor</td>
</tr>
<tr>
<td>Brake</td>
<td>Hydraulic, locking automatically</td>
</tr>
<tr>
<td>Parking brake</td>
<td>Oil disk brake, hydraulic operated</td>
</tr>
<tr>
<td>Swing speed</td>
<td>110.0 mm</td>
</tr>
<tr>
<td>Tail swing radius</td>
<td>1,490 mm</td>
</tr>
<tr>
<td>Min. front swing radius</td>
<td>2,000 mm</td>
</tr>
</tbody>
</table>

#### Boom, Arm & Bucket

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom cylinders</td>
<td>100 mm x 1,902 mm</td>
</tr>
<tr>
<td>Arm cylinder</td>
<td>115 mm x 1,280 mm</td>
</tr>
<tr>
<td>Bucket cylinder</td>
<td>95 mm x 903 mm</td>
</tr>
</tbody>
</table>

#### Dozer Blade (Optional)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dozer cylinder</td>
<td>110 mm x 220 mm</td>
</tr>
<tr>
<td>Dimension</td>
<td>2,500 mm (tail end) x 575 mm (height)</td>
</tr>
</tbody>
</table>

#### Refilling Capacities & Lubrications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>190 L</td>
</tr>
<tr>
<td>Cooling system</td>
<td>90 L</td>
</tr>
<tr>
<td>Engine oil</td>
<td>130 L</td>
</tr>
<tr>
<td>Swing reduction gear</td>
<td>2 x 2.1 L</td>
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#### Operating Weight & Ground Pressure

In standard trim, with standard boom, 2.38 m arm, and 0.5 m³ ISO heaped bucket.

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<td>14,300</td>
</tr>
</tbody>
</table>
### Mono Boom Specifications

**SK140SRLC**

<table>
<thead>
<tr>
<th>Arm</th>
<th>Mono Boom Spec</th>
<th>Bucket: Without</th>
<th>Counterweight: 3,140kg</th>
<th>Tip (15°)</th>
<th>Boom Reaching Force: 3.5tn</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5 m</td>
<td>8,920 kg</td>
<td>11,200 kg</td>
<td>10,580 kg</td>
<td>6.08 m</td>
<td>5,370 kg</td>
</tr>
<tr>
<td>6.0 m</td>
<td>6,160 kg</td>
<td>8,040 kg</td>
<td>7,700 kg</td>
<td>5.48 m</td>
<td>4,980 kg</td>
</tr>
<tr>
<td>4.0 m</td>
<td>3,790 kg</td>
<td>4,860 kg</td>
<td>4,640 kg</td>
<td>4.29 m</td>
<td>4,120 kg</td>
</tr>
<tr>
<td>3.0 m</td>
<td>2,260 kg</td>
<td>2,850 kg</td>
<td>2,600 kg</td>
<td>3.42 m</td>
<td>2,390 kg</td>
</tr>
<tr>
<td>1.5 m</td>
<td>1,590 kg</td>
<td>1,950 kg</td>
<td>1,740 kg</td>
<td>2.62 m</td>
<td>1,650 kg</td>
</tr>
</tbody>
</table>

### Lifting Capacities SK140SRLC-5

- **Operating weight**: 2,660 kg
- **Ground pressure with dozer**: 0.90 kPa
- **Overall width of crawler**: 3.75 m
- **Max. vertical wall digging depth**: 2.41 m
- **Bucket capacity ISO heaped**: 0.90 m³
- **R1,460 kg**
- **Radius**: 6.08 m
- **Height**: 8.66 m
- **Length**: 3.77 m
- **Width**: 4.23 m
- **Depth**: 5.41 m
- **Dozer**: Without
- **Counterweight**: 3,140 kg
- **Shape**: Triple grouser shoes (even height)
- **Max. digging reach**: 11,510 mm
- **Max. digging depth**: 8,920 mm
- **Max. vertical wall digging depth**: 5,760 mm
- **Max. digging depth at ground level**: 5,420 mm
- **Max. digging depth with dozer**: 4,920 mm
- **Max. bucket angle**: 600 mm
- **Max. digging depth for 2.4 m (8') flat bottom**: 7.15 m
- **Bolt capacity ISO heaped**: 9.50 kPa
- **Arm**
  - 7.5 m: 8,920 kg
  - 6.0 m: 6,160 kg
  - 4.0 m: 3,790 kg
  - 3.0 m: 2,260 kg
  - 1.5 m: 1,590 kg
- **Mono Boom Specifications with Additional Counterweight 580 kg**
  - 7.5 m: 8,920 kg + 580 kg = 9,500 kg
  - 6.0 m: 6,160 kg + 580 kg = 6,740 kg
  - 4.0 m: 3,790 kg + 580 kg = 4,370 kg
  - 3.0 m: 2,260 kg + 580 kg = 2,830 kg
  - 1.5 m: 1,590 kg + 580 kg = 2,180 kg

1. Do not attempt to lift or hold any load that is greater than the lifting capacities at their specified lift point radius and height. Weight of all attachments must be deducted from the above lifting capacities.
2. Lift capacities are based on maximum arm length and height, and without any add-on or option. Allowance for loads on attachment varies with attachment, so refer to specifications for maximum rated load.
3. Arm top defined as lift point.
4. The above lifting capacities are in compliance with ISO 10547. They do not exceed 80% of hydraulic lifting capacity or 75% of tipping load. Lifting capacities reflected on an asterisk (*) are limited by hydraulic capacity rather than tipping load.
5. Operator should be fully familiar with the Operator’s Manual before operating this machine. Use of this machine is only permitted for operating personnel trained and qualified in the use of this machine.
**STANDARD EQUIPMENT**

**ENGINE**
- Engine, ISUZU AR-4JJ1XASK-01, Diesel engine with turbocharger and intercooler, Tier 4 certified
- Auto idle stop
- Automatic engine deceleration
- Batteries (2 x 12V - 80 Ah)
- Starter motor (24 V - 5kW), 50 amp alternator
- Engine oil pan drain cock
- Double-element air cleaner

**CAB & CONTROL**
- Working mode selector (H-mode, S-mode and ECO-mode)
- Two control levers, pilot-operated
- Horn, electric
- Integrated left-right slide-type control box
- Cab light (interior)
- Coat hook
- Large cup holder
- Detachable two-piece floor mat
- Tower adjustable suspension seat
- Retractable seatbelt
- Headrest
- Handrails
- Intermittent windshield washer with double-spray washer
- Skip light
- Top guard (ISO 10262 : 1998)
- Tinted safety glass
- Pull-type front window and removable lower front window
- Easy-to-read multi-display monitor
- Automatic air conditioner
- Emergency escape hammer
- Radio, AM/FM Stereo with speakers
- AUX and USB
- 12V converter
- Refueling pump
- N&B piping (Not applicable for Offset boom)
- Right view camera

**OPTIONAL EQUIPMENT**

**ENGINE**
- Various optional arms
- Wide range of shoes
- Front-guard protective structure (may interfere with bucket action)
- Object Handling Kit (boom safety + hook)
- Extra piping
- Add-on type counterweight
- Cab additional light
- Air suspension seat

**CAB & CONTROL**
- Two control levers, pilot-operated
- Horn, electric
- Integrated left-right slide-type control box
- Cab light (interior)
- Coat hook
- Large cup holder
- Detachable two-piece floor mat
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**Note:** Standard and optional equipment may vary. Consult your KOBELCO dealer for specifics.

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 area. 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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1327 AE Almere
The Netherlands
www.kobelco-europe.com

July 2016 | POD005