

Note: This catalog may contain attachments and optional equipment that are not available in your area. And it may contain photographs of machines with specifications that differ from those of machines sold in your areas. Please consult your nearest KOBELCO distributor for those items you require. Specialist equipment is needed to use this machine in demolition work. Before using it please contact your KOBELCO dealer. Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice. Copyright by **KOBELCO CONSTRUCTION MACHINERY CO., LTD.** No part of this catalog may be reproduced in any manner without notice.

#### **KOBELCO CONSTRUCTION MACHINERY U.S.A. INC.**

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**KOBELCO** is the corporate mark used by Kobe Steel on a variety of products and in the names of a number of Kobe Steel Group companies.

Inquiries To:







23%
Higher fuel efficiency means
"Efficiency"

The new arm interflow system more efficiently controls hydraulic fluid flow, and significant reduction of in-line resistance and pressure loss boosts fuel efficiency by about 23%\*. The electronic-control common-rail engine features high-pressure fuel injection and multiple injection with improved precision. It is fitted with an EGR cooler which greatly reduce PM and NOx emissions and meets TIERIII Standards.

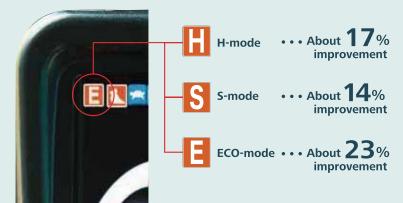
 $^{\star}$  Compared to S-mode on the SK260LC-8

#### In Pursuit of Improved Fuel Efficiency

#### **Operation Mode**

Fuel consumption is lower in H-mode/S-mode/ECO-mode in comparison with the previous model (Generation 8).

Compared to previous models



Always and Forever.

Yesterday, Today, and Tomorrow. Obsessed with Fuel Efficiency.

Over the past 10 years, Kobelco has achieved an average reduction of about 38% in fuel consumption. And we vow to continue to lead in fuel efficiency.

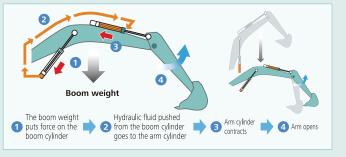
Compared to SK260LC-6 model (2006)

ECO-mode (SK260LC-10) · · · About 38% improvement

#### Hydraulic System: Revolutionary Technology Saves Fuel

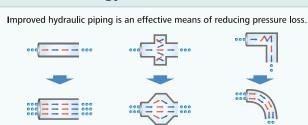
#### Arm Interflow System Web

When lowering the boom, this system uses the downward force generated by the boom's weight to push fluid to the shovel arm. This greatly reduces the need to apply power from outside the system.



#### Hydraulic circuit reduces energy loss

We have made every effort to enhance fuel efficiency by minimizing hydraulic pressure resistance, improving the hydraulic line layout to control friction resistance loss and minimizing valve resistance.



#### Pursuing maximum fuel efficiency

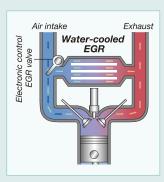
#### **Common rail system**

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



### EGR cooler

While ensuring sufficient oxygen for combustion, cooled emission gases are mixed with the intake air and recirculated into the engine. This reduces oxygen content and lowers combustion temperature.



3

# **More Power and Higher Efficiency.**

The highly efficient hydraulic system minimizes fuel consumption while maximizing power. With nimble movement and ample digging power, this excavator promises to improve your job productivity.

#### **Superior Digging Force**

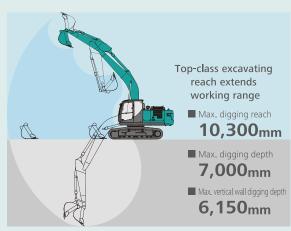
■ Max. Bucket Digging Force

170kN With power boost: 187kN ■ Max. Arm Crowding Force

122kN

With power boost: 134kN

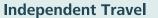
#### **Get More Done Faster with Superior Operability**



\*Values are for HD arm (2.98m)

#### **Heavy Lift**

10% more hydraulic pressure (Heavy Lift) means greater lifting power, at close radius, allowing for smooth and steady operation while moving heavy



Selecting Independent Travel dedicates one hydraulic pump to travel and one to the attachment on a continuous basis, allowing for a smooth and constant movement speed even while swinging or using the boom or attachment. With Independent Travel, safely carrying a large pipe across a job site is a breeze.





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



operation lever, which reduces fatigue over long working hours or continued operations.

#### **Top Class Traveling Force**

Powerful traveling force and pulling force deliver plenty of speed when climbing slopes or negotiating bad roads, and the agility to change direction swiftly and smoothly.

■ Drawbar Pulling Force:

244kN



#### 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.

- 1 Analog gauge provides an intuitive reading of fuel level and engine water temperature
- @ Green indicator light shows low fuel consumption during operation
- B Fuel consumption
- 4 Digging mode switch
- 6 Monitor display switch

#### **One-Touch Attachment Mode Switch**

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











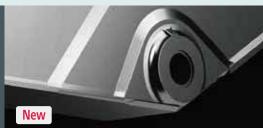


#### **Built to Operate in Tough Working Environments**

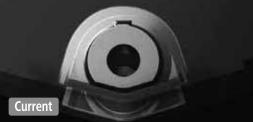
The attachment has been reinforced to handle a higher work volume, with greater power and excellent durability that can withstand demanding work conditions.













#### 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

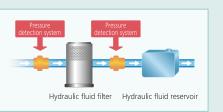
Recognized as the best in the industry, our super-fine filter separates out even the smallest particles. New cover prevents contamination when changing filters.



## **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.

**Fuel filter** 





Metal mesh cover air cleaner

Metal mesh cover ensures strength and durability.



The pre-filter with built-in water-separator has 1.6 times more filter area compared to the previous models, with a new final stage to

naximize filtering performance.

New Return Larger-size

Engine Final filter

Main filter

Pre-filter Fuel tank

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## **Comfortable Cab Is Now Safer than Ever.**



#### Comfort

#### **Super-Airtight Cab**



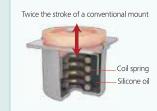
The high level of air-tightness keeps dust out of the cab.

#### **Quiet Inside**

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

#### **Low Vibration**

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



#### **Broad View Liberates** the Operator

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

#### **Air Conditioner Register** behind the Seat



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



#### **Large Cab Is Easy to** Get in and out of

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

#### **More Comfortable Seat Means Higher Productivity**







#### **Interior Equipment Adds to Comfort and Convenience**









#### 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.

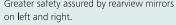
• TOP Guard is fitted as optional.





#### **Expanded Field of View for Greater Safety**







Greater safety assured by rearview mirrors Rear view shows the area directly behind the cab.





# KOMEXS

## **KOBELCO MONITORING EXCAVATOR SYSTEM**



KOMEXS uses satellite communication and internet to relay data, and therefore can be deployed in areas where other forms of communication are difficult.

When a hydraulic excavator is fitted with this system, data on the machine's operation, such as operating hours, location, fuel consumption, and maintenance status can be obtained remotely.

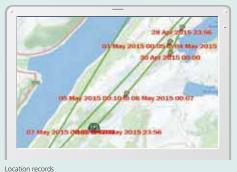
#### **Direct Access to Operational Status**

#### **Location Data**

Customer

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





Particid 11 Apr. 2015	10 May, 2015	Search	
Type of Operation	Working Hrs.		Ratio
Total Working Hrs		269.14%	100 9
Digging Hrs	122	72.2 Hrs	43 1
Traveling Hrs		18.3 Hrs	11.9
Idle Hrs		15.9 Hrs	9.5
Opt Att Hrs	AV	57.5 Hrs	37 9
Crane Mode Hrs	11	0 Hrs	0.5

#### **Operating Hours**

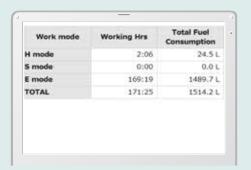
- •A comparison of operating times of machines at multiple locations shows which locations are busier and
- •Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.



Daily report

#### **Fuel Consumption Data**

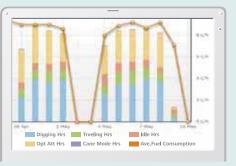
•Data on fuel consumption and idling times can be used to indicate improvements in fuel consumption.



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.



Work status

#### Maintenance Data and Warning Alerts

#### **Machine Maintenance Data**

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

Model	Serial No.	Hour Meter	Engine Oil
SK135SRLC- 3/SK140SRL	0.38/0.35	734 Hr	434
SK135SRLC- 3/SK1405RL	0.38/0.35	73 Hr	429
SK210LC-9	0.8/0.7	960 Hr	58
SK210LC-9	0.8/0.7	549 Hr	498
SK75SR-	PERSONAL PROPERTY.		

#### **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



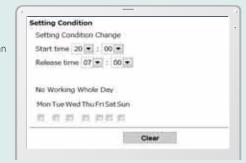
#### **Daily/Monthly Reports**

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

#### **Security System**

#### **Engine Start** Alarm

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



Engine start alarm outside prescribed work time

#### **Area Alarm**

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



Alarm for outside of reset area



### Easy, On-the-Spot Maintenance

There is ample space in the engine compartment for a mechanic to do maintenance work inside. The distance between steps is lower so entry and exit is easier. And the mechanic can work in comfort. without contortions or unnatural body positions. Finally, the hood is lighter and easier to raise and lower.





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

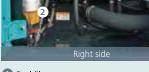
The layout allows for easy access from the ground for many daily checks and regular maintenance tasks.











- 2 Pre-fuel filter with built-in water-separator cooling system elements
- 3 Engine oil filter

# Laid out for easy access to radiator and

#### **More Efficient Maintenance Inside the Cab**

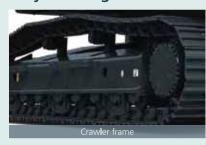






Internal and external air conditioner filters can be easily removed without tools for cleaning.

#### **Easy Cleaning**



Special crawler frame design is easily cleaned of Detachable two-piece floor mat with handles



for easy removal. A floor drain is located under



Engine oil pan equipped with drain valve.

### **Highly Durable Super-fine Filter**

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









Model	J05ETB-KSSF	
Туре	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler	
No. of cylinders	4	
Bore and stroke	112 mm x 130 mm	
Displacement	5.123 L	
Rated power output	132 kW/2,100 min <sup>-1</sup> (ISO 9249) 137 kW/2,100 min <sup>-1</sup> (ISO 14396)	
Max. torque	639 N·m/1,600 min <sup>-1</sup> (ISO 9249) 654 N·m/1,600 min <sup>-1</sup> (ISO 14396)	

Two variable displacement pumps +

2 x 245 L/min, 1 x 21 L/min

34.3 MPa {350 kgf/cm²}

37.8 MPa {385 kgf/cm²}

34.3 MPa {350 kgf/cm²}

28.4MPa {290kgf/cm²}

5.0 MPa {50 kgf/cm²}

Gear type

Air cooled type

8-spool

one gear pump

**Hydraulic System** 



## Travel System

Travel motors	2 x axial-piston, two-step motors
Travel brakes	Hydraulic brake per motor
Parking brakes	Oil disc brake per motor
Travel shoes	51 each side
Travel speed	6.1/3.8 km/h
Drawbar pulling force	244 kN (ISO 7464)
Gradeability	70 % {35°}



## **Cab and Control**

All-weather, sound-suppressed steel cab mounted on the high suspension mounts filled with silicone oil and equipped with a heavy, insulated floor mat.

Control
Two hand levers and two foot pedals for travel
Two hand levers for excavating and swing
Electric rotary-type engine throttle



## Boom, Arm and Bucket

Boom cylinders	135 mm x 1,235 mm
Arm cylinder	145 mm x 1,635 mm
Bucket cylinder	125 mm x 1,200 mm



Type

Max. discharge flow

Boom, arm and bucket

**Power Boost** 

Travel circuit

Swing circuit Control circuit

Oil cooler

Pilot control pump

Main control valve

## **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	10.8 min <sup>-1</sup> {rpm}
Swing torque	85.9 kN·m (SAE)
Tail swing radius	3,100 mm
Min. front swing radius	3,910 mm



## **Refilling Capacities and Lubrications**

Fuel tank	403 L
Cooling system	21 L
Engine oil	20.5 L
Travel reduction gear	2 x 5.0 L
Swing reduction gear	5.0 L
Hydraulic oil tank	165 L tank oil level 273 L hydraulic system



## **Working Ranges**

Unit: m

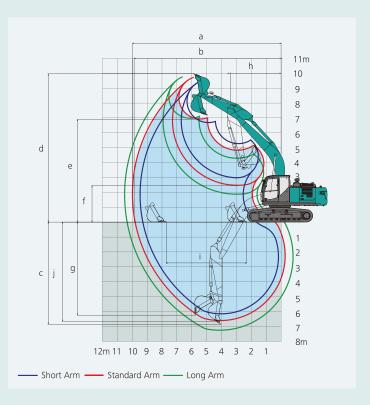
Boom	6.02 m		
Arm Range	Short 2.5 m	Standard 2.98 m	Long 3.66 m
a-Max. digging reach	9.89	10.3	10.98
b-Max. digging reach at ground level	9.72	10.14	10.82
c- Max. digging depth	6.52	7.0	7.68
d-Max. digging height	9.65	9.79	10.22
e-Max. dumping clearance	6.72	6.88	7.28
f- Min. dumping clearance	3.03	2.55	1.87
g-Max. vertical wall digging depth	5.82	6.15	6.97
h-Min. swing radius	3.91	3.91	3.92
i- Horizontal digging stroke at ground level	4.2	5.26	6.48
j- Digging depth for 2.4 m (8') flat bottom	6.32	6.82	7.54

#### Digging Force (ISO 6015)

Unit: kN

Arm length	Short	Standard	Long
	2.5 m	2.98 m	3.66 m
Bucket digging force	170	170	170
	187*	187*	187*
Arm crowding force	142 156*	122 134*	104

\*Power Boost engaged.

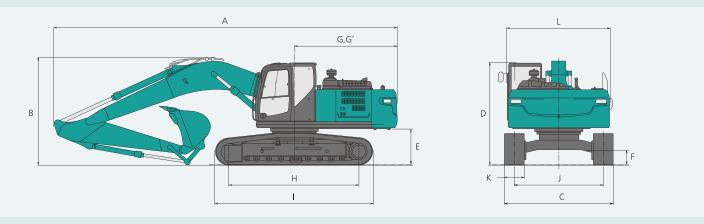


# Dimensions

Aı	rm length	Short 2.5 m	Standard 2.98 m	Long 3.66 m
Α	Overall length	10,260	10,210	10,220
В	Overall height (to top of boom)	3,330	3,180	3,280
C	Overall width of crawler		3,190	
D	Overall height (to top of cab)		3,040	
Е	Ground clearance of rear end*		1,090	
F	Ground clearance*		460	

		Unit: mm
G	Tail swing radius	3,100
G'	Distance from center of swing to rear end	3,070
Н	Tumbler distance	3,850
1	Overall length of crawler	4,640
J	Track gauge	2,590
K	Shoe width	600
L	Overall width of upperstructure	2,980
		WARRIES CO. L. C. L. C. C. L. C. L. C. L. C. C. L. C.

\*Without including height of shoe

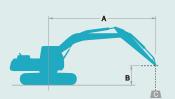


## **Operating Weight and Ground Pressure**

In standard trim, with standard boom, 2.98 m arm, and 1.0 m<sup>3</sup> ISO heaped bucket

Туре	Triple grouser shoes (even height)							
Shoe width mm	600	700	800	900				
Overall width of crawler mm	3,190	3,290	3,390	3,490				
Ground pressure kPa	51	44	39	35				
Operating weight kg	25,700	26,000	26,300	26,600				







A: Reach from swing centerline to arm top B: Arm top height above/below ground C: Lifting capacities in Kilograms Bucket: Without bucket Relief valve setting: 37.8 MPa (385 kgf/cm²)

SK260L	SK260LC Boom: 6.02 m Arm: 2.98 m, Bucket: without Shoe: 600 mm												HEAVY LIFT			
	А	1.5	m	3.0	3.0 m		4.5 m		6.0 m		m	At Max. Reach				
В		1	<del></del>	1	<del></del>	1	<b>—</b>	1	<del></del>	1	<del></del>	1	<b>—</b>	Radius		
7.5 m	kg											*4,950	*4,950	6.70 m		
6.0 m	kg							*5,830	*5,830	*5,880	5,000	*4,680	*4,680	7.73 m		
4.5 m	kg							*6,630	*6,630	*6,150	4,900	*4,640	4,070	8.37 m		
3.0 m	kg					*10,130	10,050	*7,770	6,570	*6,700	4,720	*4,780	3,730	8.71 m		
1.5 m	kg					*12,310	9,300	*8,920	6,200	6,870	4,530	*5,090	3,590	8.78 m		
G.L.	kg					*13,470	8,930	9,350	5,950	6,710	4,390	5,530	3,650	8.58 m		
-1.5 m	kg	*7,400	*7,400	*11,580	*11,580	*13,670	8,830	9,230	5,850	6,650	4,330	5,970	3,920	8.11 m		
-3.0 m	kg	*13,030	*13,030	*18,550	17,880	*13,040	8,920	9,270	5,880			6,990	4,560	7.30 m		
-4.5 m	kg			*15,690	*15,690	*11,280	9,200	*8,100	6,130			*8,070	6,110	6.01 m		

SK260L	SK260LC Boom: 6.02 m Arm: 3.66 m, Bucket: without Shoe: 600 mm													HEAVY LIFT			
	Α	1.5	m	m 3.0		4.5	4.5 m		6.0 m		7.5 m		9.0 m		At Max. Reach		
В		Ī	<del></del>		<b>—</b>	ļ	<del></del>	1	<del></del>		<del></del>		<del></del>		<del></del>	Radius	
7.5 m	kg									*3,890	*3,890			*3,620	*3,620	7.56 m	
6.0 m	kg									*5,120	5,080			*3,440	*3,440	8.49 m	
4.5 m	kg							*5,790	*5,790	*5,490	4,940	*3,810	3,610	*3,390	*3,390	9.08 m	
3.0 m	kg			*13,840	*13,840	*8,820	*8,820	*6,990	6,660	*6,120	4,730	*5,270	3,520	*3,460	3,270	9.39 m	
1.5 m	kg					*11,250	9,470	*8,260	6,240	*6,820	4,510	5,180	3,410	*3,650	3,160	9.45 m	
G.L.	kg			*7,080	*7,080	*12,860	8,930	*9,290	5,920	6,660	4,320	5,090	3,330	*3,980	3,190	9.27 m	
-1.5 m	kg	*6,520	*6,520	*10,580	*10,580	*13,510	8,710	9,130	5,750	6,540	4,220			*4,540	3,380	8.83 m	
-3.0 m	kg	*10,620	*10,620	*15,530	*15,530	*13,310	8,720	9,100	5,720	6,550	4,220			*5,550	3,830	8.10 m	
-4.5 m	kg	*15,670	*15,670	*17,420	*17,420	*12,150	8,900	*9,000	5,850					*7,310	4,820	6.96 m	
-6.0 m	kg					*9,160	*9,160							*7,600	*7,600	5.17 m	

SK260L	C	Boom: 6.02	Boom: 6.02 m Arm: 2.5 m, Bucket: without Shoe: 600 mm HEAVY LIFT											
	Α	3.0	3.0 m		4.5 m		6.0 m		m	At Max. Reach				
В			<del></del>	1	<del>-</del>		<del></del>		<del>-</del>		<b>—</b>	Radius		
7.5 m	kg					*6,400	*6,400			*6,480	*6,480	6.14 m		
6.0 m	kg					*6,370	*6,370			*6,440	5,160	7.26 m		
4.5 m	kg			*8,500	*8,500	*7,110	6,830	*6,550	4,810	*6,420	4,370	7.94 m		
3.0 m	kg			*10,920	9,760	*8,190	6,450	7,000	4,650	5,980	3,970	8.29 m		
1.5 m	kg			*12,860	9,100	*9,240	6,110	6,820	4,480	5,800	3,830	8.36 m		
G.L.	kg			*13,630	8,850	9,290	5,900	6,690	4,370	5,940	3,900	8.16 m		
-1.5 m	kg	*11,430	*11,430	*13,510	8,830	9,220	5,840	6,680	4,360	6,500	4,250	7.66 m		
-3.0 m	kg	*17,350	*17,350	*12,580	8,980	9,330	5,940			7,810	5,070	6.79 m		
-4.5 m	kg	*14,030	*14,030	*10,270	9,350					*8,260	7,260	5.38 m		

- 1. Do not attempt to lift or hold any load that is greater than these lift capacities at their specified lift point radius and heights. Weight of all accessories must be deducted from the above lift
- 2. Lift capacities are based on machine standing on level, firm, and uniform ground. User must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, experience of personnel, etc.
- 3. Arm top defined as lift point.

- 4. The above lifting capacities are in compliance with ISO 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.
- 6. Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

#### STANDARD EQUIPMENT

- Engine, HINO J05ETB-KSSF, diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Auto Idle Stop (AIS)
- Batteries (2 x 12V 96Ah)
- Starting motor (24V 5 kW), 60 amp alternator
- Engine oil pan drain cock
- Double element air cleaner
- Dustproof cap CONTROL
- Working mode selector (H-mode, S-mode and ECO-mode)
- Heavy Lift and Power Boost "without time limit"
- SWING SYSTEM and TRAVEL SYSTEM
- Swing rebound prevention system
- Straight propel system
- Independent travel system
- Two-speed travel with automatic shift down
- Sealed and lubricated track links
- Grease-type track adjusters
- Automatic swing brake
- Lower track guards Lower under cover
- HYDRAULIC
- Arm regeneration system

- Auto warm up system
  Aluminum hydraulic oil cooler
  MIRRORS and LIGHTS
- Two rear view mirrors
- Three front working lights (2 for boom, one for right storage box)
- Two cab lights
- Swing flashers

#### CAB and CONTROL

- ROPS Cab
- Two control levers, pilot-operated
- Tow eyes
- Horn, electric Cab light (interior)
- Luggage tray
- Large cup holder
- Detachable two-piece floor mat
- Headrest Handrails
- Intermittent windshield wiper with double-spray washer
- Skylight
- Tinted safety glass
- Pull-up type front window and removable lower front window
- Easy-to-read multi-display color monitor
- Automatic air conditioner
- Emergency escape hammer Suspension seat
- Radio, AM/FM stereo with speaker
- AUX and USB and Bluetooth
- KOMEXS
- Travel alarm
- Refueling pump

#### OPTIONAL EQUIPMENT

- Various optional arms
- Wide range of shoes
- Additional hydraulic circuit

- Rain visor (may interfere with bucket action) ■ TOP guard
- Front-guard protective structures

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