KOBELCO

CKS Series

BMS Series

7000S Series

REALITY

The Power to Deal with Reality

It is always people that change the times. The potential within us offers a new future, constantly buffeted by the seas of change. Thus, the highest standards are continually improving, and with them the workplace. With the arrival of the CKS series, BMS series, 7000S series Kobelco Cranes offer more capability than can be expressed in mere numbers. These capabilities contain the truth that we search for today.

Beyond power, we seek new environmental qualities that the earth holds and in answer, the CKS series, BMS series, 7000S series responds with the truth demanded by the modern age.

SATISFACTION

Reliable Power for People and the Planet

Max. Lifting Capacity

CKS600	60t×3.0m
CKS800	80t×3.0m
CKS900	90t×3.9m*
CKS1100	110t×3.6m*
CKS1350	135t×4.5m
CKS2500	250t×4.6m
BMS800	80t×3.6m
BMS1000	100t×3.8m
7120S	120t×5.0m
7120S (Foundation Special Specification)	120t×5.0m
7250S	250t×4.6m

* Auxiliary sheave is necessary

Refusing to compromise on ability, and made to push its abilities to the limit, the CKS series, BMS series, 7000S series also faced other challenges. More efficient transport, an environmentally aware design ideology, control accurate to within tolerances of 1cm, safety, and an attractive design were all factors that had to be considered. Everything about the CKS series, BMS series, 7000S series has been revamped, including its handling of foundation and civil engineering work, revolutionizing the values of existing cranes and transforming it into a crane perfect for the modern age.

SPEEDY

ENVIRONMENT

FLEXIBILITY

UTILITY&SAFETY

DESIGN

SPEEDY

When Maneuverability is a Must

How close can the CKS series, BMS series, 7000S series to the ideal of a transport system based on maneuverability? The assembling and disassembling that go hand-in-hand with transporting a crane is always difficult. But faced with these challenges, we have achieved real progress in transportability. Built to exceed the expectations that stem from the varied transportation needs of many different nations, the CKS series, BMS series, 7000S series is both efficient and economical, offering instant access to smooth, reliable transport.

SPEEDY

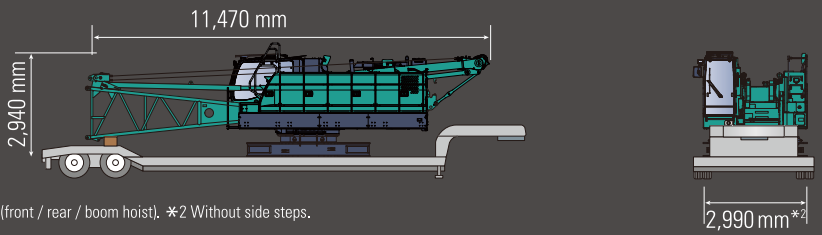
Unparalleled efficiency that will revolutionize transport

Our efforts to transform thinking about transporting equipment have resulted in greater efficiency in every possible area. We designed the CKS series, BMS series, 7000S series to require less work and to be easier to transport, and to ensure safety during assembly and disassembly. What's more, simpler, more efficient loading for transport have reduced the cost of both transport and storage.

CKS800

Weight : 25,490kg*1

Width : 2,990mm

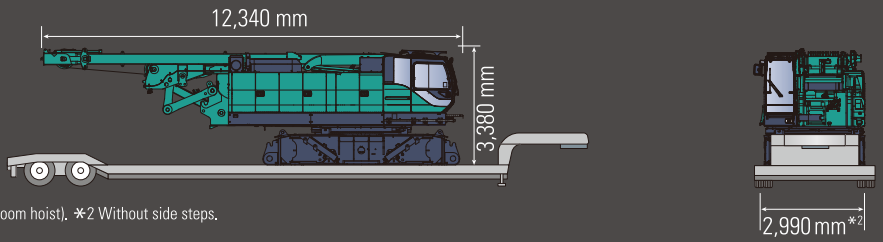


*1 Base machine with boom base, gantry, optinal translifter, wire rope (front / rear / boom hoist). *2 Without side steps.

CKS2500

Weight : 44,960kg*1

Width : 2,990mm



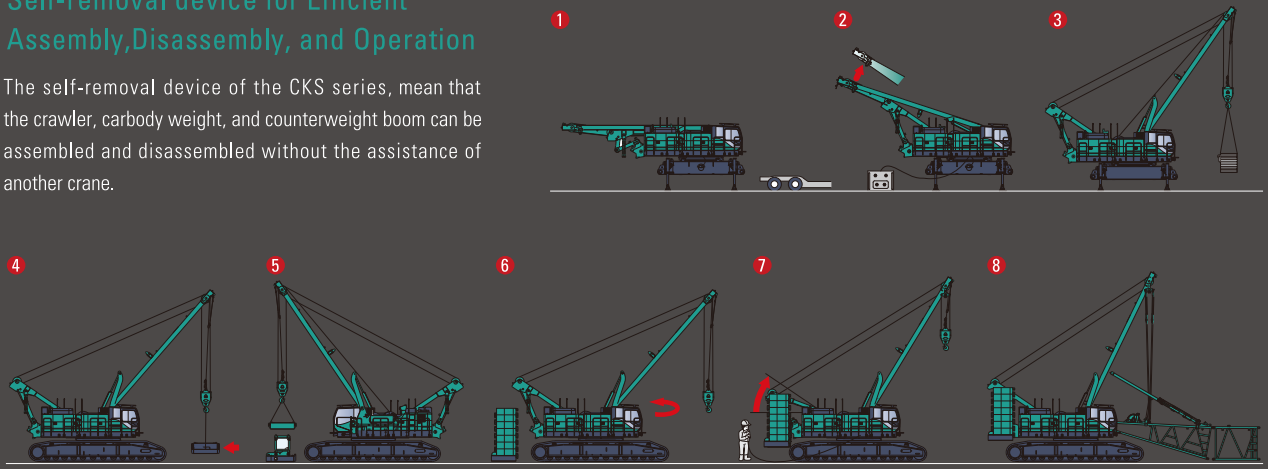
*1 Base machine with gantry, mast, wire rope (front / rear / boom hoist). *2 Without side steps.

Kobelco's Unique "Lightweight Upper Frame"

Thanks to superbly rigid construction, and the use of high quality high tensile steel plate, we have been able to create a Upper Frame and body much lighter than other vehicles in the same class, with a greatly reduced width.
Not only is assembly and disassembly more efficient, the CKS series, BMS series, 7000S series is easier to transport than any previous system.

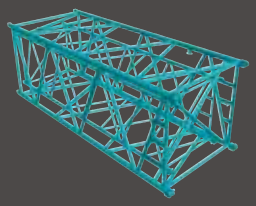
Self-removal device for Efficient Assembly,Disassembly, and Operation

The self-removal device of the CKS series, mean that the crawler, carbody weight, and counterweight boom can be assembled and disassembled without the assistance of another crane.



Model:CKS2500

Four Major Attachments That Make Transport More Efficient



A "nested boom" that is easy to transport efficiently

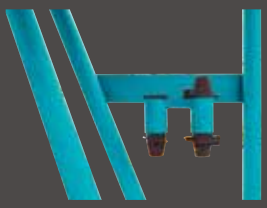
1

The CKS series, 7000S series features a nested boom that allows the luffing insert jib to be stored in the middle boom. This reduces the number of vehicles needed for transport, and requires less space for storage.

A"boom connector pin holder" that prevents losses during assembly and disassembly

2

Connect pins can be stored in disassembly of the boom. This prevents losses during assembly, disassembly, and transport.



A folding "Axle extension adapter"

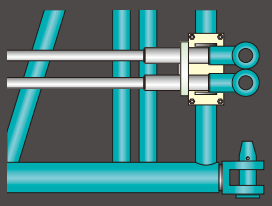
3

Previously, the "axle extension adapter " used for extensions had to be removed and shipped separately when breaking the crawler down for transport. The axle extension adapter can now be folded for storage in the crawler, saving on labor.
(models:CKS800, CKS900, CKS1100, BMS800)

"Guy cable Stowing brackets" that can be securely fastened

4

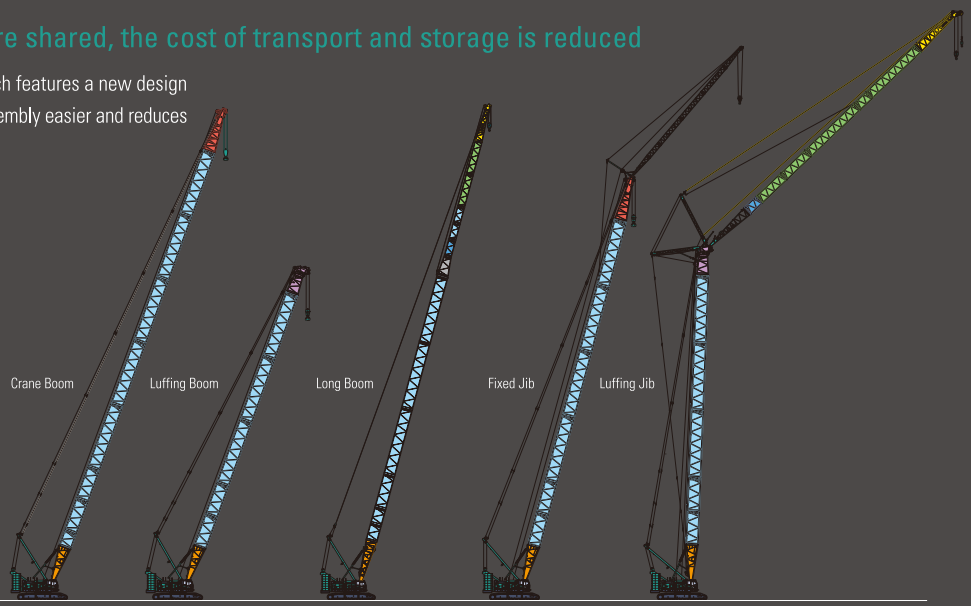
The guy cables can be fastened safely and securely by inserting them in the boom, allowing them to be correctly positioned during transport.



Because the boom and jib are shared, the cost of transport and storage is reduced

In combination with the jib, this boom, which features a new design and increased lifting capacity, makes disassembly easier and reduces transport and storage costs.

- Boom Base
- Insert Boom
- Boom Top
- Luffing Boom Top
- Luffing Insert Jib
- Luffing Jib Top
- Relay Jib
- Tapered Insert Boom



A "boom assembly/ disassembly mode" for increased safety

The CKS series, BMS series, 7000S series is equipped with a seat switch separate to the automatic overload and over-hoist prevention systems, which can be set as a boom assembly/disassembly switch able to cancel the over-hoist prevention function. This function is automatically cancelled when the boom reaches a preset angle, while the LMI function is only cancelled automatically when the boom assembly/disassembly function is needed.


KOBELCO

ENVIRONMENT

Applying Energy-saving Concepts Everywhere

Environmental considerations are a common theme when creating anything, which is why there are daunting obstacles that must be overcome. Designed for use in any conceivable situation, the CKS series, BMS series, 7000S series is equipped with new functions for conserving energy – with the earth as its stage, it must meet the highest ecological standards.

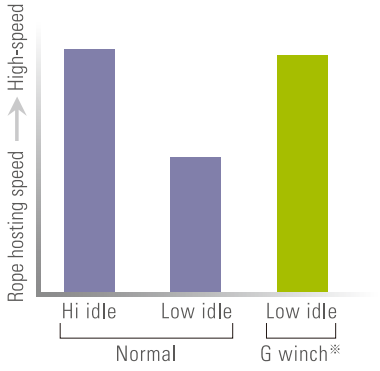
ENVIRONMENT

The Beginning of a Cycle That Contributes to the Environment

We have raised the standards created for the environment by re-examining the energy we consume. Eliminating needless operations and innovating engine functions allowed us to reduce fuel consumption and transformed the mechanisms that move the crane into a cycle that benefits the environment.

A "G-Winch" that provides higher speed without rising engine speed.

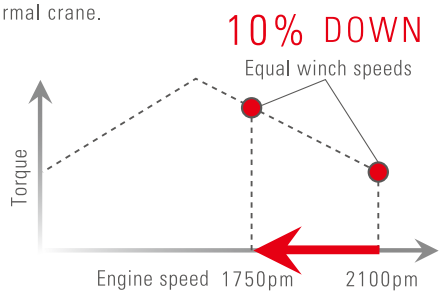
The high-speed mode allows the line to be raised or lowered at maximum line speed without raising engine speed when lifting without a load, or even with a light load.



※The number of rotations may vary depending on the models.

"G-Engine" Improves Fuel Consumption by 10%.

G-Engine keeps the engine running within fuel-efficient parameters by limiting maximum engine speed. Engine speed is reduced but pump capacity is controlled to maintain maximum winch speed for running or lifting. Using this "G-Engine" function reduces fuel consumption by approximately 10% when compared to operations on a normal crane.



G-Winch

G-Engine

Fuel-efficient
Up to 25% reduction
in fuel consumption

mode

AIS

Reduced
CO_2 emissions

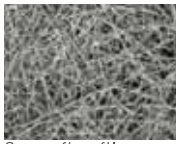
An industry first!

A super-fine Filter

Steel wire reinforced glass fiber gives the new oil filter excellent dirt capturing qualities, making it truly a "super-fine filter." What's more, the time between filter changes has been lengthened by a factor of four. A partitioned configuration in which only the filter media is changed reduces scrap and extends the interval between changes, significantly reducing the burden on the environment.

Microscopic picture of the filter media (x 250)

Conventional filter (paper fiber)



Super-fine filter (glass fiber)

An "Auto Idle Stop (AIS)" Function for Eco-driving.

This Auto Idle Stop (AIS) function stops the engine when the vehicle is stopped, and is the first such function to be used in this industry. AIS stops the engine automatically in situations such as when you are waiting for the next trailer to come and have checked that everything is safe, reducing energy consumption in any operation, be it construction, or loading and unloading at a port. Simply turning the accelerator bar starts the engine again – there is no need to turn the key.

FLEXIBILITY

Flexible Enough to Meet the Demands of Worksites

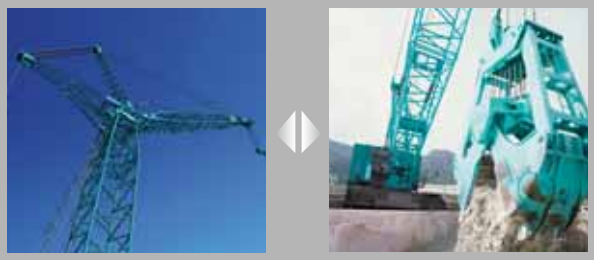
Our task was to create a crane capable of responding to the operator's every thought. Construction work demands excellent handling characteristics, and as such it was essential that this crane be adaptable enough to answer the demands of the operator in a wide variety of working environments. In the CKS series, BMS series, 7000S series it is advanced technology that powers the dynamic action so essential to a crane.

Flexibility Offers New Dimensions of Operational Performance

The CKS series, BMS series, 7000S series offers new dimensions of flexibility for bucket, material handling and building construction. This allows the same crane to function equally well in any work environment, providing precision in any situation, and preventing any missed opportunities.

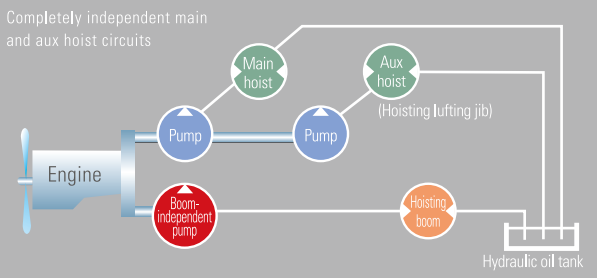
Switch between Dual and Independent circuit system

This crane offers the operator the choice of "independent circuits" that allow hydraulic pumps to drive the main and aux hoists and operate the boom independently, or "dual circuits" that use both pumps to drive hydraulic fluid together to operate the hoist motor; both circuits are available with a single touch.
Whether working on bucket, material handling work site or building construction site, optimal performance is always available, resulting in improved operational efficiency.



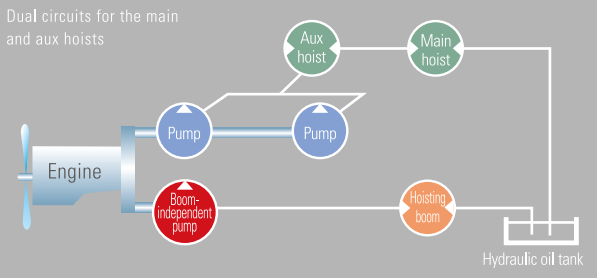
Completely independent main and secondary hoists for better composite operation

Completely independent circuits for the main and aux hoists provide even when using both hoists simultaneously, with no adverse effect on either circuit. As a result, this crane lets you demonstrate your true worth as a professional when working in construction, where positioning requires adjustments of as little as a single inch.



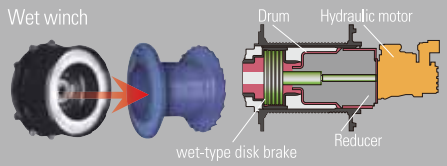
Dual circuits, perfect for bucket, material handling

The CKS series, BMS series, 7000S series has been designed to dual hoist circuits equipped with a free-fall function, allowing the speed of both winches to be synchronized easily even when the load on the main and support hoists is different. This offers the powerful, speedy response needed for material, handling bucket in ports or foundation and civil engineering construction work. The CKS series, 7000S series is equipped with a separate pump for hoisting the boom, allowing smooth operation when hoisting boom and rope.



Wet-type disk brake that offer powerful, stable braking

The winches feature Kobelco's independently developed wet brakes. Forced-oil-cooling makes these brakes resistant to the reduction in braking ability that occurs when temperatures rise, so that they are well suited to working for long periods. The use of multi-plate disks ensures sufficient braking capacity and means that braking can be performed with a modicum of force. What's more, the brakes themselves are compact and encased in drums.



Wide, large capacity drums

Both the brakes and reducing devices are encased within the drum, eliminating the need for a brake drum space, and increasing the width. Lap spooling keeps rope damage to a minimum, and the large spooling capasity reduces the chance of irregular spooling, extending the life of the wire rope significantly.

Reduced counterweight specitication, for reduced impact on the work site

Each model has been equipped with reduced counterweight specitication, allowing the number of counterweights to be cut, reducing the overall weight. Other aspects, such as the set weight of platform, are also flexible enough to cope with any worksite
What's more, the counterweight detect system helps to prevent any configuration errors.

Intuitive, easy to understand interface

The interface provides full display of essential data and operational parameters in a compact space. Arranged in an efficient layout perfectly suited to the task at hand, the gauges and switches have been placed with the movement of the operator's hands and eyes in mind, ensuring smooth operation. Each design utilizes intuitive pictograms that offer at-a-glance comprehension while working, allowing operators to feel easy from the instant they begin working. Moreover, with no needless operations required, efficiency gains an immediate boost.

Greater visibility of conventional functions!

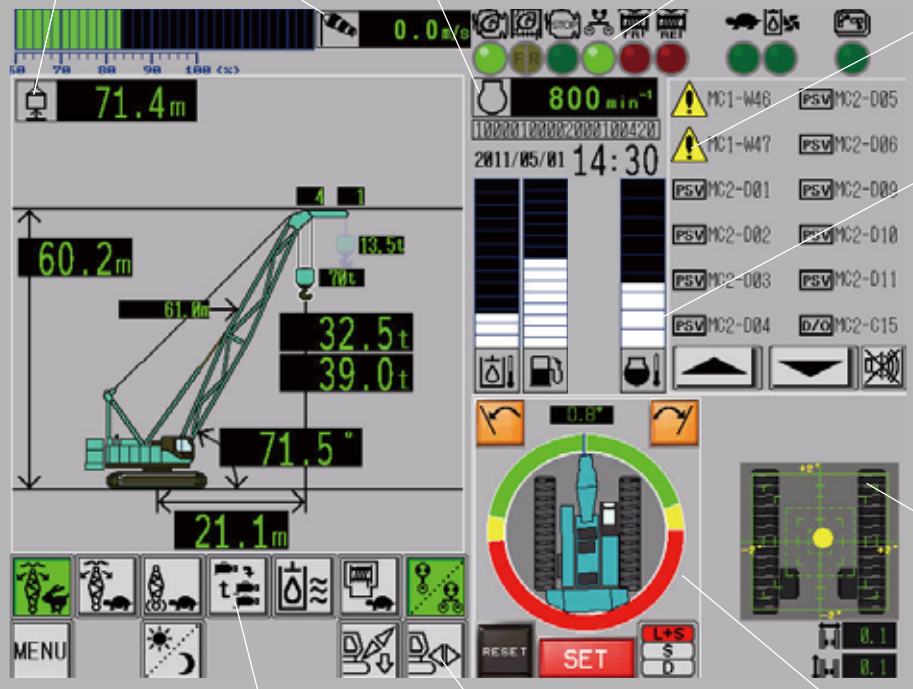
■ Display lamp

- G-Engine
- G-Winch
- AIS operation
- Slow speed state
- Remote control connection
- Oil cooler operation
- Free fall (main)
- Free fall (auxiliary)
- Free fall (3rd)
- Dual circuit

- Engine speed
- Hook height
- Wind speed

■ Error message

Touch to display details in a pop-up window.



■ Gauges

- Hydraulic oil temperature
- Fuel remaining
- Coolant temperature

■ Machine inclination sensor

An optional machine inclination sensor offers a visual representation of the current inclination of the crane body.

Improved state-recognition!

■ Over -swing preventative device

In addition to the functions already detailed, a over -swing preventative device can be fitted to limit the swing of the crane. Configuration is simple and can be done from the touch panel.

Camera image

Universally understood pictograms are used, providing intuitive, visual recognition!

■ Switches

- Swing mode (free, high speed)
- Swing mode (free, low speed)
- Swing mode (braked, low speed)
- Camera switching
- Hydraulic oil heating
- Clamshell mode
- Dual / independent switching
- Menu
- Independent storage
- Assembly / Disassembly

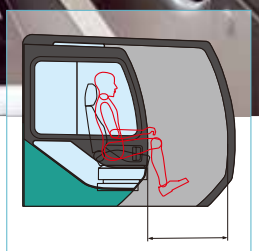
UTILITY & SAFETY

Created from the User's Standpoint

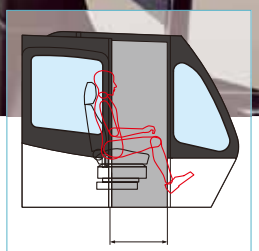
Ease of use and safety are two factors that support construction quality at its very roots. To achieve these, it is essential to consider the workplace environment, and more importantly, the user's point of view. Roomier, easier to use, and safer, the CKS series, BMS series, 7000S series aims to achieve standards that raise the bar in terms of satisfaction in the workplace.

Delivering Comfort and Peace of Mind

The design of the CKS series, BMS series, 7000S series represents a new approach to safety and the human senses. Together with improved safety, the layout of the cab space offers heightened levels of comfort and ease of use. What's more, consideration for safety permeates throughout the entire design, all with the aim of preventing accidents.



■Roomy interior



■Conventional models

Better visibility, better mobility, and a relaxed cab environment create efficiency

1 Increased cab volume (from 2.91m³ to 3.10m³) / The increased space gives the entire cab a more relaxed feel, offering a pleasant working environment and better ride quality.

2 Increased front glass area (up from 1.0m² to 1.09m²) / an expanded field of view provides improved operating conditions, greatly increasing safety and operability. Furthermore, the new wipers have a larger contact surface, for even more convenience.

3 New type ML screen / crystal-clear image quality even at angles difficult for improved safety in the workplace. The angle view can be adjusted to the operator's favorite.
Easy-to-see interface / located in an optimal viewing position,the monitor facilitetes smooth checking and direction.

4 Short levers / easily-held grips that fit the hand perfectly. The CKE-G series, BME-G series offers mobility, as well as instantaneous course changes and swing.

5 Wider cab entrance (from 565mm to 785mm) for easier access / the wide cab entrance makes it easier to get in and out of the cab, so work is more comfortable.

6 Wider foot space / increased legroom decreases operational fatigue and reduces stress.

7 Counterweight derect system / reduced counterweight setting errors for increased safety.

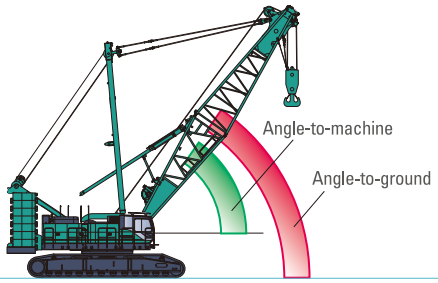
8 Better state-recognition / more accurate comprehension of factors such as attachments and the current inclination of the crane body is now possible, improving manipulation performance.

9 High-quality seat materials / luxurious seat materials offer improved ride quality, and both the lever stand and the seat are fitted with adjusters for greater operator comfort.

10 Full interior trim / all the instruments in the cab are covered, giving the cab the comfort of a living space.

Double or triple redundant prevention of boom over-hoists

When hoisting the boom and jib, the primary boom (jib) over-hoisting prevention device automatically halts hoisting when the boom reaches a prescribed angle. When operating as a crane, the boom angle is observed using an angle to ground. For jib operations, the CKS series, BMS series, 7000S series employs a system that measures the jib angle relative to both the ground and the machine, allowing quick detection of any danger. Moreover, it features a dual layer safety system, with a secondary boom (jib) over-hoisting prevention device equipped with an extreme limit function that will not allow the automatic stop point to be overridden. The jib also features both primary and secondary over-hoisting protection devices that prevent boom reversal.

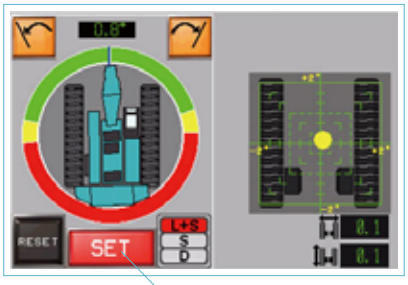


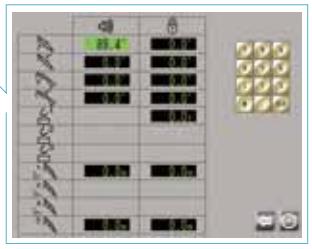
Automatic soft-stop function that mitigates shock when automatic stop occurs

The over-hoisting prevention device prevents the boom from lowering and the jib from hoisting, and softens automatic stopping when the boom is overloaded, swinging sideways.

Better state-recogition

A variety of new options have been added, including a counterweight detect system, an over-swing preventative device and a machine inclination sensor.





A new M/L monitor that makes existing functions even easier to see.

Industry-standard automatic stop release switch

Replacing the system of separate keys used to override automatic stop functions for over-load, hook over-hoist, and boom over-hoist, the CKS series, BMS series, 7000S series employs a more reliable two-stage system utilizing a master key and individual switches. A single master key poses no administrative difficulties, and prevents easy override of the automatic stop.

Highly acclaimed safety devices of all types

- A swing flasher and warning buzzer that warning people in the surround areas when swinging.
- A one-way call system to ensure operator safety
- Function lock lever to prevent accidental operation
- Easily-seen crawler movement directional markings
- External alarms when moving or swing
- M/L external display lights informing those in the surrounding area of the load state of the crane
- Rear / main and aux hoist drum / boom hoist state drum camera and monitor (color)

One-way call

Function lock lever

Directional marking

DESIGN

A Design You can be Proud to Drive

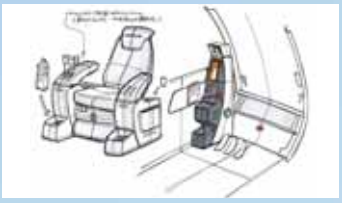
An elegant form that emphasizes curves welcomes the operator and blends into the surrounding city. With a pared-down, simple, non-intimidating design and a full-trim interior that has taken even the finest details into consideration, the CKS series, BMS series, 7000S series offers both luxury and comfort. This welcoming design harmonizes naturally with an urban area, delivering an image well suited to a workplace that creates a new background for the city. This is a design that people can be proud to use in a variety of situations; this is the new CKS series, BMS series, 7000S series.

PRODUCT STORY

A design that welcomes people gently and blends into an urban environment, a design that people can be proud to drive. That was the starting point for the CKS series, BMS series, 7000S series concept, something never seen in a crane before. After the initial pipe-frame design, we followed a plan that used press casting to emphasize freedom in a design that pursued our ideals, making forays into uncharted territory time and again. However, we were also careful to listen directly to people in the workplace and examine world market trends, maintaining an awareness of the needs of the times. This was reflected in a completed design that closely mirrored the actual viewpoint of our customers.

From pipe frame to press-casting

Although designs based on combining flat panels with pipe frames offer excellent cost benefits, we adopted press casting to allow us more freedom in design.

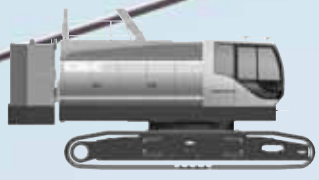


Operator comfort

From the conceptual stage, repeated tests were conducted that helped to improve the comfort of the area around the operator's seat.

Full trim – the cab as living space

Luxurious, reassuring, comforting… the cab interior has been fully trimmed in the manner of a living space, and is complemented by a wide field of view for easy operation.



An expressive exterior

Surfaces that are curved yet rigid possess a rich texture and capture the light beautifully, giving the crane an impressively warm, expressive exterior.

FIELD

Land, Sea, and Sky – the World is Full of workplaces

Land, sea, or sky – there is literally no limit to the locations where Kobelco Cranes may be called upon to work. From tall buildings that seem to pierce the heavens, huge bridges spanning the sea, expressways that support transport on land, to airport construction site access routes, the new CKS series, BMS series, 7000S series is set to be a major player in the coming years.

Kobelco Cranes offer a comprehensive lineup in every field, with detailed functions that meet the differing needs of any worksite. The CKS series, BMS series, 7000S series is crystallization of technology we have developed through our quest for the highest standard in cranes, one that has continued since we completed the first truck crane ever made in Japan in 1953, and demonstrates to perfection our abilities in worksites throughout the world.

LINE UP





Model	CKS600	CKS800	CKS900	CKS1100	CKS1350
CRANE BOOM					
Max. Lifting Capacity	60 t x 3.0 m *9	80 t x 3.0 m	100 t ★ x 3.6 m 90 t x 3.9 m *2	110 t x 3.6 m *2	135 t x 4.5 m
Max. Length	51.8 m	54.9 m	61.0 m	70.1 m	76.2 m
FIXED JIB					
Max. Lifting Capacity	7.0 t x 12.0 m	7.0 t x 20.0 m	10.9 t x 18.0 m	10.9 t x 22.0 m	26.8 t x 16.0 m
Max. Jib Length	18.3 m	18.3 m	18.3 m	21.3 m	30.5 m
Max. Combination	39.6 m + 18.3 m, 42.7 m +12.2 m	42.7 m + 18.3 m, 45.7 m +12.2 m	51.8 m + 18.3 m	61.0 m + 21.3 m	61.0 m + 30.5 m
LUFFING JIB/TOWER JIB					LUFFING JIB
Max. Lifting Capacity	NA	NA	NA	NA	36.0 t x 12.0 m
Max. Jib Length	NA	NA	NA	NA	53.3 m
Max. Combination	NA	NA	NA	NA	44.8 m + 53.3 m, 47.9 m + 32.0 m
MAIN & AUX. WINCH					
Max. Line Speed (1st layer)	120 m/min	120 m/min	120 m/min	120 m/min	120 m/min
Rated Line Pull (Single line)	69.0 kN {7.0 tf}	78.0 kN {8.0 tf}	112 kN {11.4 tf}	108 kN {11.0 tf}	132 kN {13.5 tf}
Wire Rope Diameter	22 mm	22 mm	26 mm	26 mm	26 mm
Wire Rope Length	180 m (Main), 130 m (Aux.)	220 m (Main), 130 m (Aux.)	240 m (Main), 165 m (Aux)	265 m (Main), 235 m (Aux.)	275 m (Main), 255 m (Aux.)
Brake Type	Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)
WORKING SPEED					
Swing Speed	4.5 min^{-1}{rpm}	4.0 min^{-1}{rpm}	4.0 min^{-1}{rpm}	3.2 min^{-1}{rpm}	2.1 min^{-1}{rpm}
Travel Speed	2.3 / 1.5 km/h	1.7/1.1 km/h	1.7/1.1 km/h	1.4/1.0 km/h	1.3/0.9 km/h
POWER PLANT					
Model	HINO J08E-VM *12	HINO J08E-VM *12	HINO J08E-VM *12	HINO J08E-VM *12	HINO P11C-VH *12
Engine Output	213 kW/2100 min^{-1}	213 kW/2100 min^{-1}	213 kW/2100 min^{-1}	213 kW/2100 min^{-1}	271 kW/1850 min^{-1}
Fuel Tank	400 liters	400 liters	400 liters	400 liters	400 liters
HYDRAULIC SYSTEM					
Main Pums	3 variable displacement	3 variable displacement	3 variable displacement	4 variable displacement	4 variable displacement
Max. Pressure	31.9 MPa {325 kgf/cm^2}	31.9 MPa {325 kgf/cm^2}	31.9 MPa {325 kgf/cm^2}	31.9 MPa {325 kgf/cm^2}	31.9 MPa {325 kgf/cm^2}
Hydraulic Tank Capacity	440 liters	440 liters	440 liters	535 liters	535 liters
SELF-REMOVAL DEVICE					
	NA	counterweight selfremoval decvice (Option)	counterweight selfremoval decvice (Option)	counterweight self-removal device crawler self-removal device	counterweight self-removal device crawler self-removal device
WEIGHT					
Operating Weight	46.1 t	75.1 t	90.0 t	102 t	136 t
Ground Pressure	63.1 kPa	84.7 kPa	101.5 kPa	95.4 kPa	106 kPa
Counterweight	13,000 kg	27,200 kg (26,100 kg) *7	31,900 kg (31,300 kg) *7	34,600 kg	55,000 kg
Transport Weight	31,640 kg *1	39,850 kg *1	41,360 kg *1	33,550 kg *6	32,430 kg *3
DIMENSIONS					
Transportation Width	2,990 mm *11	3,500 mm	3,500 mm	2,990 mm *11	2,990 mm *11
Transportation Height	3,300 mm	3,350 mm	3,350 mm	3,050 mm *10	3,215 mm *10
Crawler Width	4,360 mm	5,130 mm	5,130 mm	5,300 mm	6,310 mm
Crawler Shoe Width	760 mm	800 mm	800 mm	900 mm	910 mm
Crawler Length	5,570 mm	6,280 mm	6,280 mm	6,770 mm	7,895 mm
Tail Swing Radius	4,000 mm	4,300 mm (4,500) *7	4,500 mm (4,700) *7	4,860 mm	5,500 mm

∗1: Base machine with boom base, gantry, crawler, wire ropes (front/rear/boom hoist) ∗2: Auxiliary sheave is necessary ∗3: Base machine with gantry, wire ropes (front/ rear/boom hoist) ∗4: Base machine with gantry, mast, wire ropes (front/
∗9: 11 ton counterweight ∗10: Without crawler ∗11: With the side step on cabin side: 3,170 With the side step on the both sides: 3,340 ∗12: Exhaust level is equivalent with NRMM (Europe) Stage IIIA/US EPA Tier 3 ★: The value are

CKS2500	BMS800	BMS1000	7120S	7120S (Foundation Special Specification)	7250S
CKS2500	BMS800	BMS1000	7120S	7120S (Foundation Special Specification)	7250S
250 t x 4.6 m	80 t x 3.6 m	100 t x 3.8 m	120 t x 5.0 m	120 t x 5.0 m	250 t x 4.6 m
91.4 m	54.9 m	62.6 m	61.0 m	61.0 m	76.2 m
27.0 t x 10.4 m	NA	NA	12.0 t x 28.0 m	NA	22.7 t x 15.0 m
30.5 m	NA	NA	30.5 m	NA	30.5 m
76.2 m + 30.5 m	NA	NA	61.0 m + 30.5 m	NA	76.2 m + 30.5 m
LUFFING JIB			TOWER JIB		TOWER JIB
80.0 t x 9.8 m	NA	NA	20.0 t x 15.0 m	NA	25.0 t x 18.0 m
61.0 m	NA	NA	44.2 m	NA	51.8 m
61.0 m + 61.0 m	NA	NA	51.7 m + 44.2 m	NA	64.1 m + 51.8 m
110 m/min	120 m/min	110 m/min	120 m/min	110 m/min	110 m/min
132 kN {13.5 tf}	108 kN {11.0 tf}	132 kN {13.5 tf}	118 kN {12.0 tf}	152 kN {15.5 tf}	132 kN {13.5 tf}
26 mm	26 mm	28 mm	26 mm	30 mm	28 mm
460 m (Main), 390 m (Aux.)	175 m (Main), 130 m (Aux.)	200 m (Main), 130 m (Aux.)	275 m (Main), 255 m (Aux.)	200 m (Main), 130 m (Aux.)	390 m (Main), 220 m (Aux.)
Wet-type multiple disc brake (Option)	Wet-type multiple disc brake	Wet-type multiple disc brake	Wet-type multiple disc brake (Option)	Wet-type multiple disc brake	Wet-type multiple disc brake (Option)
2.2 min^{-1}{rpm}	4.0 min^{-1}{rpm}	3.2 min^{-1}{rpm}	2.1 min^{-1}{rpm}	2.1 min^{-1}{rpm}	2.2 min^{-1}{rpm}
1.0/0.5 km/h	1.7/1.1 km/h	1.4/1.0 km/h	1.3/0.9 km/h	1.3/0.9 km/h	1.0/0.5 km/h
HINO P11C-VH *12	HINO P11C-VH *12	HINO P11C-VH *12	HINO P11C-VH *12	HINO P11C-VH *12	HINO P11C-VH *12
271 kW / 1850 min^{-1}	271 kW / 1850 min^{-1}	271 kW / 1850 min^{-1}	271 kW/1850 min^{-1}	271 kW/1850 min^{-1}	271 kW / 1850 min^{-1}
400 liters	400 liters	400 liters	400 liters	400 liters	400 liters
4 variable displacement	3 variable displacement	3 variable displacement	4 variable displacement	4 variable displacement	4 variable displacement
31.9 MPa {325 kgf/cm^2}	31.9 MPa {325 kgf/cm^2}	31.9 MPa {325 kgf/cm^2}	31.9 MPa {325 kgf/cm^2}	31.9 MPa {325 kgf/cm^2}	31.9 MPa {325 kgf/cm^2}
650 liters	440 liters	440 liters	535 liters	535 liters	650 liters
counterweight self-removal device crawler self-removal device	NA	NA	NA	NA	NA
217 t	76 t	107 t	120 t	137 t	212 t
111 kPa	85.8 kPa	108.8 kPa	93.6 kPa	107 kPa	123 kPa
90,400 kg	25,400 kg	37,100 kg	53,100 kg	59,110 kg	97,100 kg
44,960 kg *4	48,630 kg *5	31,000 kg *8	34,800 kg *6	37,800 kg *8	45,200 kg *6
2,990 mm *11	3,500 mm	2,990 mm *11	2,990 mm *11	2,990 mm *11	2,990 mm *11
3,380 mm *10	3,300 mm	3,160 mm *10	3,255 mm *10	3,255 mm *10	3,400 mm *10
7,620 mm	5,130 mm	4,900 mm	6,310 mm	6,310 mm	7,470 mm
1,220 mm	800 mm	900 mm	910 mm	910 mm	1,070 mm
8,970 mm	6,280 mm	6,315 mm	7,895 mm	7,895 mm	8,970 mm
6,000 mm	4,300 mm	4,400 mm	4,950 mm	4,950 mm	5,850 mm

rear/ boom hoist) ✱5: Base machine with boom base, gantry, crawler, wire ropes (front/ rear/ boom hoist) ✱6: Base machine with boom base, gantry, wire ropes (front/ rear/ boom hoist) ✱7: With optional counterweights ✱8: Base machine with boom base, gantry, wire ropes (front/rear/third/boom hoist)
theoretical result

Note: Standard equipment may vary depending on your areas or countires. Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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