

KOBELCO

HYDRAULIC CRAWLER CRANE

CKE1200

Max. Lifting Capacity: 120.0 t at 5.0 m

Max. Boom Length: 73.2 m

Max. Fixed Jib Combination: 61.0 + 24.4 m

Max. Luffing Jib Combination: 50.1 + 44.2 m



Photos in this catalog may include optional items.

The difference Is in Its Basic Performance

Whether positioning bridge girders or constructing tall buildings, smooth and speedy operation is the most important performance. KOBELCO CKE1200 crawler crane is designed with the latest job trends in construction environment. With its excellent operability, sensitive controls, and most important, its safety features, the CKE1200 achieves the best balance in its overall performance.

In regular or tower crane operations for building construction, as well as civil engineering jobs such as clamshell, there's more than enough capacity. The Difference is in its basic performance. The CKE1200 from KOBELCO.



PERFORMANCE

Speedy Hoisting and Lowering

Max. line speed of 100m/min on first layer provides high productivity. It is fast enough for hook lowering without using free-fall. Significantly greater efficiency and safety in high elevation work than any other cranes.

Large Capacity Drums

Large capacity drums take 26 parts of line (48 m) of 26mm diameter wire rope on the first layer. Particularly efficient for below-ground operations that involve frequent hoisting and lowering. The inner grooved drums keep winding smooth and retard wire rope wear and deterioration.



Effective Mechatronic ESS (Engine Speed Sensing) System

Mechatronic ESS makes maximum, continuous use of engine power. It reduces loss of engine rpm through load changes in demand during simultaneous operations, keeping crane operation smooth.

On-Site Maneuverability

Independently driven hydraulic travel motors with planetary reduction units provide three steering modes (differential steering, skid steering and counter rotation) for optimal on-site maneuverability. Travel motors are less than track shoe width, protecting them from damage.



CONTROLS & CAB

Roomy, Comfortable Cab

Operator comfort is ensured by vibration-reducing rubber cab mounts, a fully adjustable, upholstered seat, and an air conditioner with fresh-air vents. Reinforced tinted glass windows reduce glare, and the semi-short levers and other control devices are ergonomically located and arranged for easy control.

Precise Operation with Responsive Control

Full-hydraulic technology delivers quick, efficient operation with excellent precision. Pilot pressure-assisted control allows you to control the speed and power of each function in proportion to lever movement.

Free-Fall and Power Lowering



A choice of either power lowering mode or free-fall mode can be selected for the winch drum according to requirements.

Inching Control Switch

The red switch on the boom lever grip allows easy inching control for hoist, boom hoist, and travel that the operator can activate without taking his hands off the boom hoist lever.



Appropriate Swing Power Can Be Selected

Swing power mode allows selection of NORMAL or POWER to suit job in hand. POWER mode directs hydraulic system to give priority to powering swing. With strong startups and acceleration, it's ideal for repetitive and continuous operations.

Swing Brake Can Be Selected to Suit Job in Hand

Swing control mode gives a choice of neutral free or neutral brake. Neutral free is for tough jobs with repetitive action such as clamshell, while neutral brake is ideal for crane operations requiring inching controls.

Low Speed Swing Control

Low-speed swing control function permits the machine to swing slowly even at high engine speeds when set in neutral-brake swing mode or neutral-free low-speed swing mode.

Drum-Speed Controller

Drum-speed controller (for main and auxiliary hoist, boom hoist, and raising and lowering the luffing tower jib) makes it easier to move loads horizontally.



Electric Throttle Control

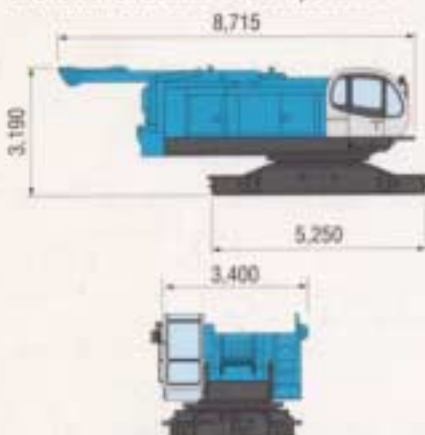


Sensitive engine control is assured by an electric throttle with a twist grip.

TRANSPORTATION

Transportation

Base machine separates upper machine and lower structure for transportation.



Counterweight Kept Below 11 tons

Counterweight is made up of 4 sections, each weighing less than 11 tons, for ready transport by truck.



Remote Controlled Trans-Lifter

Trans-Lifter's remote control allows site safety checking during crawler installation and dismantle.



Gantry Raising from Cab

Gantry raising cylinder installed to allow simple gantry hoisting with switch control in cab.

Simple Boom Assembly

Side step provided for greater safety during boom assembly. Dual tapered pin used for lower boom can easily be fitted or detached from the outside.

SAFETY

Load Moment Indicator System

An easy-to-read LCD display is installed with the overload prevention mechanism, indicating rated and actual loads and other useful data. The smooth-stop device for boom lowering prevents dangerous swaying of the load due to sudden automatic stops.



Function Lock Lever



Function lock lever prevents accidental operation when the operator enters or leaves the cab.

Key-Controlled Release Switches



Safety enhancing mechanisms can be individually engaged or cancelled for specific operational needs by using these keys such as free-fall operation and safety function. These keys can be kept by safety officer to prevent any human-error.

Swing Flashers

Swing flashers and a warning buzzer alert in vicinity when the machine is swinging.

SIMPLIFIED MAINTENANCE

Check & Safety Monitor



The check & safety monitor helps ensure safe operation and features accurate maintenance and monitoring function.

STANDARD EQUIPMENT

Main Machine

- Free-fall function for main and aux. winch
- Boom hoist pedal
- Air conditioner

Safety Device

- Drum safety pawl • Boom backstops
- Boom over hoist auto-stop device
- Hook over hoist auto-stop device
- Swing lock pin • Signal horn
- Overload alarm lamp • Cab top guard
- Fire extinguisher

Transportation

- Gantry cylinder • Trans-Lifter

Others

- Electric fuel pump • Tool kits
- Operator's manual

OPTIONAL EQUIPMENT

Main Machine

- Drum rotation indicators (front and rear drum) • Hydraulic tagline
- Electric fan • Foot throttle
- One way call
- Service platform for machine room
- Obstacle light

Attachment

- Insert boom • Hook
- Auxiliary sheave
- Fixed jib
- Luffing jib



Note: This catalog may contain photographs of machines with specifications, attachments and optional equipment not certified for operation in your country. Please consult KOBELCO for those items you may require. Due to our policy of continual 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 CO., LTD.

3-13, Nihonbashi 1-chome, Chuo-ku, Tokyo, 103-0027 JAPAN
Tel: ++81 (0) 3-3278-7080 Fax: ++81 (0) 3-3278-7141

Inquiries To:

KOBELCO Construction Machinery (Europe) B.V.

Bolderweg 50, 1332 AW Almere, The Netherlands
Tel: 31-36-5495500 (5563) Fax: 31-36-5495558
<http://www.kobelco.nl>

