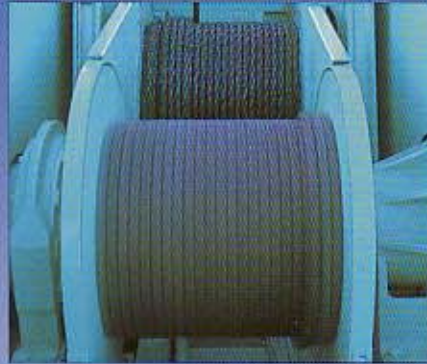
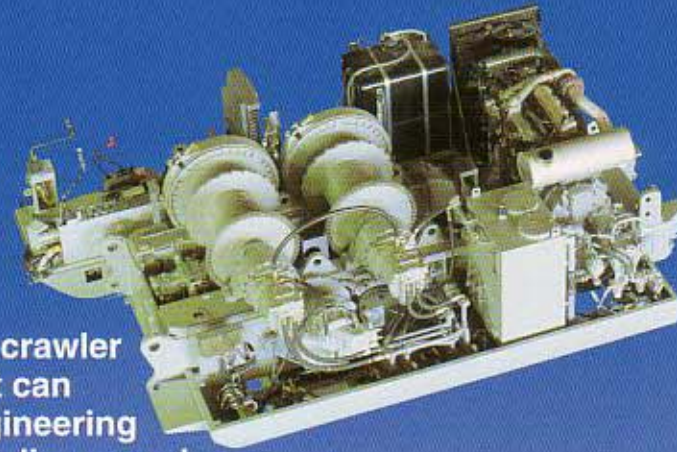


Multipurpose Cranes Handle Any Job with Power to Spare

The KOBELCO CKE550, CKE600, and CKE700 crawler cranes are reliable and versatile machines that can handle just about any construction or civil engineering job. With their precise inching control and high line speed, they quickly and efficiently lift construction materials wherever they're needed on construction sites. When it's time for foundation work, their powerful and durable winches and engines provide all the muscle needed for clamshell and dragline operation. Whatever their configuration, the CKE series cranes give you top-class performance in the 55- to 70-ton range, with the power, speed, and versatility that have earned KOBELCO an international reputation for quality.



KOBELCO

HYDRAULIC CRAWLER CRANE

CKE550

Max. Lifting Capacity: 55.0 t at 3.5 m

Max. Boom Length: 51.8 m

Max. Fixed Jib Combination: 42.7 + 15.2 m

Max. Luffing Jib Combination: 39.3 + 29.0 m

CKE600

Max. Lifting Capacity: 60.0 t at 3.0 m

Max. Boom Length: 51.8 m

Max. Fixed Jib Combination: 39.6 + 18.3 m

Max. Luffing Jib Combination: 42.4 + 29.0 m

CKE700

Max. Lifting Capacity: 70.0 t at 3.1 m

Max. Boom Length: 54.9 m

Max. Fixed Jib Combination: 42.7 + 18.3 m

Max. Luffing Jib Combination: 42.7 + 30.5 m



Photos in this catalog may include optional items.

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.

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.

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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:

SIMPLIFIED MAINTENANCE

Check & Safety Monitor



The Check & Safety monitor helps ensure safe operation and features accurate maintenance and monitoring function of machine.

Easy Maintenance

A door on the upper structure gives full access to winch drum clutches and brakes, simplifying routine checks.

STANDARD EQUIPMENT

Main Machine

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

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

- Retractable crawlers
- Gantry cylinder

Others

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

OPTIONAL EQUIPMENT

Main Machine

- Drum rotation indicators (front and rear drum) • Third 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



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 crane.

Ample Line Pull

Powerful winches provide efficient mastery of the toughest clamshell operations, such as dragline jobs. Rated line pull is an ample 6.6 tons.

Large Capacity Drums

Large capacity drums take 22 parts of line of 22mm diameter wire rope on the first layer. Particularly efficient for below-ground operations that involve frequent winding. The inner grooved drums keep winding smooth and retard wire rope wear and deterioration.

Large Capacity Brakes With High Cooling Effect

Large capacity brakes with cooling fins give reliable braking power, even through the heavy jobs requiring frequent braking.



Effective Mechatronic ESS (Engine Speed Sensing) system

Mechatronic ESS manages maximum and 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 provide independent 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 start-ups and acceleration, it's ideal for repetitive and continuous operations.



Drum-Speed Controller

Speed for main winch, auxiliary winch and boom hoist can be set independently with trimmer controls.



Electric Throttle Control

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

Swing Brake Can Be Selected to Suit Job in Hand (Option)

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

TRANSPORTATION

Transportation

Crawlers are retracted for transportation.



Simple Boom Assembly

Dual tapered pin used for lower boom can easily be fitted or detached from the outside. Assembly/disassembly made easy with strongly tapering guy cable pins. Side step provided on boom also simplifies assembly/disassembly work.

Gantry Raising from Cab

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



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