Multipurpose Cranes Handle Any Job with Power to Spare

The KOBELO 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 KOBELO 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: 79.0 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 braking device for boom lowering prevents dangerous swinging 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.

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 which drum clutches and brakes, simplifying routine checks.

Standard Equipment

Main Machine

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

Safety Device

- Drum safety pawl
- Boom backstops
- E-stop button
- Hook over load auto-stop device
- Swing lock pin
- Overload alarm lamp
- Cab top guard
- Fire extinguisher

Transportation

- Retractable crawlers
- Safety cylinder

Others

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

Optional Equipment

Main Machine

- Drum rotation indicators (front and rear drum)
- Third drum
- Hydraulic hoist
- Electric fan
- Foot throttle
- One way valve
- Service position for machine room
- Obstacle light

Attachment

- Insert boom
- Hook
- Auxiliary sheave
- Fixed job

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 altitude work than any other crane.

Ample Line Pull

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

Large Capacity Drums

Large capacity drums take 22 parts of line 22mm diameter wire rope on the first layer. Particularly efficient for both 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 system 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, maintaining smoothness of operations, keeping crane operation smooth.

On-Site Maneuverability

Independently control hydraulic travel motors providing differential steering. Traveling is also made possible by counter rotation for flexibility and maneuverability.

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. Polished finish gives generous reduce glare, and the semi-quick 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. Pressurized fluid 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 halting his hands off the boom hoist lever.

Appropriate Swing Power Can Be Selected

Swing motion mode allows selection of NORMAL or POWER to suit job in hand. POWER mode gives high speed to swing control, ideal for repetitive and continuous operations.

Transportation

Transportation

Crawlers are retracted for transportation.

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

Simple Boom Assembly

Dual tapered pins used for lower beam can easily be fitted or detached from the outside. Assembly/disassembly made easy with strongly tapering gusset pins. Side flanges provided on beam also simplifies assembly/disassembly work.

Gantry Raising from Cab

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