CX1100
HYDRAULIC CRAWLER CRANE

Max. Rated Load: 110 t at 5.0 m working radius
Basic Boom Length: 16 m
Max. Boom Length: 73 m
Rated Engine HP: 221 kW (300 PS) at 2,000 min⁻¹ (2,000 rpm)
Operating Weight: 114 t
Dependable, Operator-Friendly and That's the Basic Design Concept.

1. Ample power 221 kW (300 PS) engine, combined with Hitachi's original hydraulic system, gives smooth, productive operation.
2. Speedy operation and superior mobility for increased job efficiency
3. Fast hoisting and lowering speeds (110 m/min)
4. Rated line pull, a big 12.5 tons, and fast hoisting line speed provide increased job efficiency. (Main hook, auxiliary jib and crane jib)
5. Improved cab design for added operator comfort and convenience

Sidewalk (option) for servicing convenience
**Comfortable.**

- **Independent Slow Speed Control**
  Independent slow speed control of hoisting (or travel) and boom hoisting is possible. Hoisting and boom hoisting can be separately set to suit job needs. Switching to slow speed control is shock-reduced for smooth operation.

- **Constant-Speed Swing Control**
  With the set dial, swing speed can be kept constant within a certain range, despite engine speed. In high-lift crane operation, this feature is advantageous, allowing slow swing and quick hoisting. With the changeover switch, normal swing can be selected.

- **Tilt-type main lever stand and adjustable deluxe seat.**
  The seat can slide to provide adequate operating position to suit job needs.

- **The electronic fuel control accelerometer**
  Finger-touch grip atop the swing lever has been added to the conventional fuel control lever and accelerator pedals.

- **The newly-developed drum rotating sensor mechanism**
  Allows the operator to feel the starting of the drum with his hand.

- **Hydraulic Booster Brake**
  The brake is fitted with hydraulic booster featuring good response for reduced operator fatigue.
Careful Designs
Simple Mainten

● Brake Mode
The brake mode switch, located on the lever stand, is easy to read and control. With the aid of indicators, the operator can read the brake mode at a glance. The interlock mechanism disables free fall even if the brake pedal is not applied completely.

● Double Boom Overhoist Prevention Devices
In addition to the hook overhoist prevention device and boom overhoist prevention device, the secondary boom overhoist prevention devices are provided. These devices actuate at boom angle of 82° to avoid overhoisting of both the boom and hook, and to stop the engine.

● Pilot-Control Shutoff Lever
The pilot-control shutoff lever shuts out hydraulic pilot pressure to the pilot control valves. With the pilot-control shutoff lever in the LOCK position, the machine does not operate even if a lever is accidentally moved.

● Slow Boom Hoisting/Lowering Stop
● The slow stopping mechanism absorbs shocks at stop of boom hoisting when the boom overhoist prevention device functions.
● It also absorbs shocks at stop of boom lowering when the overload prevention device functions.

● Fail-Safe Braking System
The braking protection mechanism does not allow the engine to start unless the swing brake is locked and the hoisting brake is set to the auto mode.

● Auto Stop Release Switch with Key
The auto stop release switch is keyed to prevent accidental release of safety devices.

● Brake Mode Selector Switch with Key
The hoist brake mode selector switch is keyed to prevent accidental switching to free fall during hoisting operation.
for Safety and

- **Hydraulic Jack-up (Option)**
  - With the help of hydraulic jack-up device, the basic machine can be self-loaded quickly onto a trailer.
  - NOTE: The above picture is an example of cx1800.

- **Dual Taper Pins and Stopper**

- **Side Frame Extend Cylinders (Option)**

- **Rolled Sunshade**

- **Intermittent Windshield Wiper and Washer**

- **Wide-Open Door for Easy Maintenance**

- **Side frame step allowing easy access to machine**

- **Remote Control Lubrication**

- **Spacious Tool Box**