KOBELCO CK2500

It takes a true competitive edge to be profitable in today's construction industry. A good idea is not always enough — it takes the right kind of company to bring it to life.

Kobelco’s CK2500 Lattice Boom Hydraulic Crawler Crane typifies our commitment to the high level of innovation, imagination, practicality and value that you need to make this crane an exceptional investment that will generate returns for years to come, becoming “Your competitive edge.”
Innovation breeds strength

An all-around performer

The full hydraulic system that is at the heart of the CK2500 crawler crane handles any task with smooth-as-silk ease and efficiency: from hoisting loads to swinging and propelling – not to mention rapid installation and removal of the counterweights and crawler frames.

You can depend on our full hydraulic system for the exceptionally quick, yet controlled response you need to take on any job – and do it as efficiently and profitably as possible – day after day, week after week. Our pilot control system applies power that's directly proportional to the operator's exact lever movement, for ultra-smooth response under any conditions.

The CK2500 uses two swing motors, driving through two sets of planetary reducers to ensure you of a smooth and steady swing movement, even at high-engine speeds. Swing speed is 5.1 rpm. The swing gear, hydraulically released, multiple-disc swing brakes are mounted on each swing motor and provides maximum operating control and efficiency.

**Hydraulic system**

---

**Pumps:**
- 1 variable displacement piston-type pump
- 2 variable displacement piston-type pumps
- 1 fixed displacement gear-type pump
- 1 fixed displacement gear-type pump

**Max relief valve pressures:**
- Load hoist, boom hoist & prop: 4,489 psi (31.5 kgf/cm²)
- Swing: 5,985 psi (410 kgf/cm²)
- Control: 780 psi (55 kgf/cm²)

**Reservoir capacity:**
- 144 US gal (545 litres)
**Save time and money**

**One tough machine**
The CK2500 features an all-welded, high-tensile-strength steel cab body, manufactured as a single piece, using the latest engineering technologies for unmatched rigidity. The crawler frame assembly consists of an idler wheel, 12 lower rollers, the travel motor assembly, sprocket, two upper rollers, slide rails and 67 flat shoes on each side. Shoe width is 48 in. (1,220 mm).

**On-site manoeuvrability**
Independently driven hydraulic travel motors with planetary reduction units provide these steering modes for optimal on-site manoeuvrability. In addition to conventional skid steering, the independent crawler drive enables counterrotation of the tracks as well as differential track speed steering. Travel speed in high range is 0.7 mph (1.1 km/h) and in low range 0.44 mph (0.7 km/h). Travel motors are less than track shoe width, protecting them from damage.

**Easy transport and assembly**
Because time is money on any job, we designed the CK2500 so that an experienced three-man crew can unload and erect the crane with a 50' base boom, within a half day of its arrival on site. Use the built-in, remote-controlled, hydraulic jack (Jack system) to lift the CK2500 onto the trailer, then drive the trailer away. Hydraulically raise the gantry and the mast to its operating position. The mast is raised without a mast jack and is used to lift and attach the boom. A rear counterweight, the crawler side frames and the boom. The rear counterweight assembly is raised into position by the gantry.

Assembly can be done completely without the need of an assist crane or other costly equipment. The same is true for disassembly of the crane and transporting it to the next work site.