

THE MIGHTY MANITOWOC 21000

A huge red arm across the blue sky, the boom of the 1,000-ton Manitowoc 21000 crawler crane, with its elaborate interlaced lattice pattern and jaw-dropping dimensions, inspires awe in people who know little about cranes. They look around for something relative ... like a pickup truck that suddenly looks like a Hot Wheels car. Or the crew of workers who look like ants as they work around its mighty base.

And what do the people who are used to seeing cranes every day have to say of the 1,000-ton Manitowoc? "I still marvel at the size of that crane. It's a beast," said Kris Liptak, who helps lead the ALL Family of Companies' crawler division at its headquarters in Cleveland, Ohio.

"Manitowoc offers 16 different crawler cranes, but the colossal 21000 continues to be a customer favorite, year after year," explained Liptak. "And it is still produced new by the manufacturer."

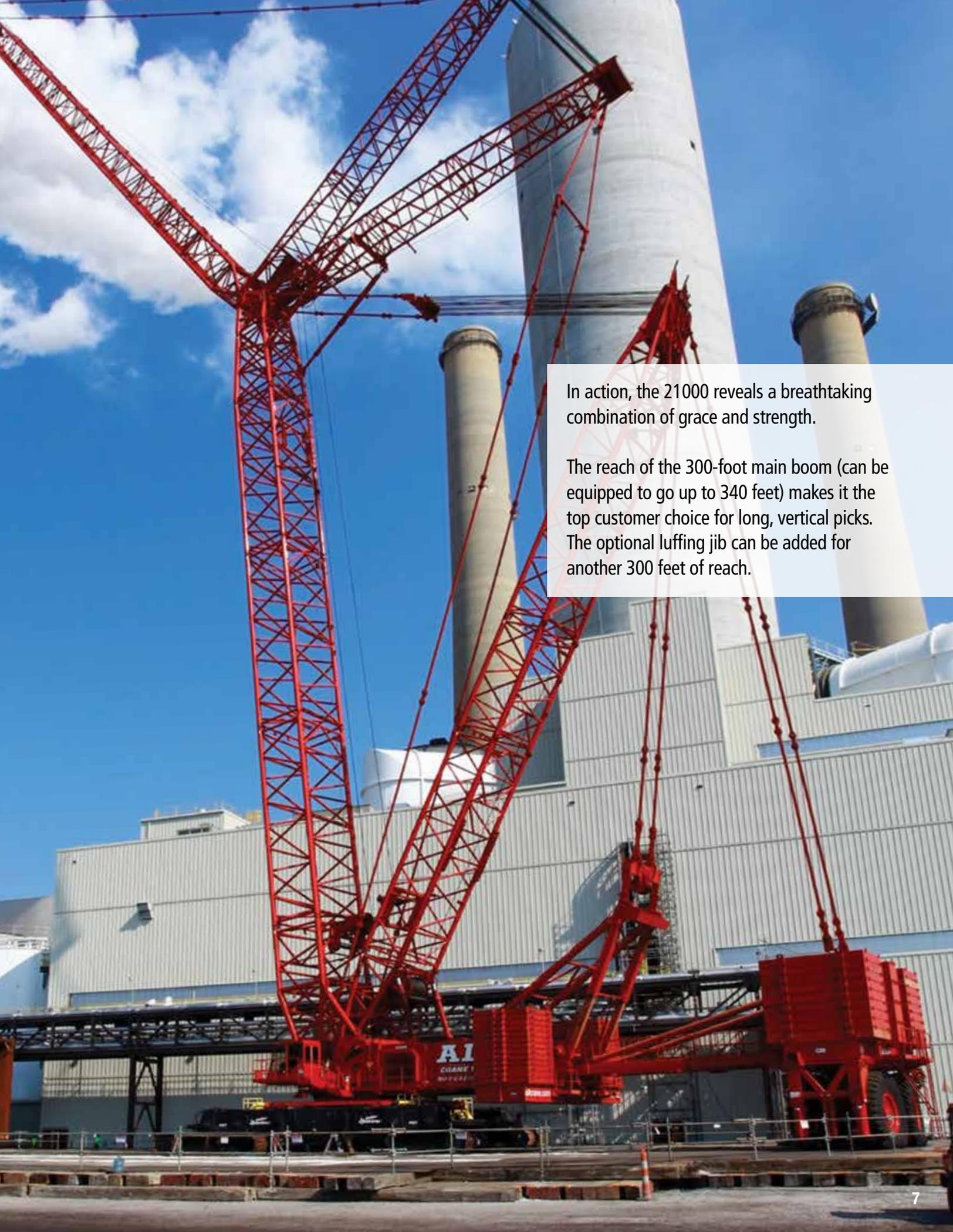
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FAST FACTS

The largest in ALL's crawler fleet, the 21000 is simply the world's most easily mobilized 1,000-USt (907-mt) crane. It features a 360-foot heavy-lift boom with luffing jib extension to 640 feet.

- 834 USt (756 mt) base capacity
- 1,000 USt (907 mt) capacity with MAX-ER®
- 360 ft (109.7 m) heavy-lift boom
- 400 ft (121.9 m) long-reach boom
- 640 ft (195.1 m) luffing jib
- 448 kW (600 HP) engine
- EPIC® controls
- 529 ft/min (161 m/min) line speed
- 48,800 lb (217 kN) line pull
- Octa-trac® eight-crawler system
- Optional narrow stance (30 ft [9.1 m])



In action, the 21000 reveals a breathtaking combination of grace and strength.

The reach of the 300-foot main boom (can be equipped to go up to 340 feet) makes it the top customer choice for long, vertical picks. The optional luffing jib can be added for another 300 feet of reach.



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The 21000, surprisingly nimble and highly dependable, is a valuable investment for long-term projects, such as bridge work, power plants, wind farms, or in coastal areas, offloading heavy cargo from ships. It's a truly impressive combination of power and agility.

Long-term assignments are right in the 21000's wheelhouse because of its size. With a full MAX-ER®, the 21000 travels as 50 semi loads — 60 if you include the luffing jib. However, once it's on site, set up and ready to work, this heavy lifter's value becomes evident — and it increases the longer it is on the site and the more it is used.

The Advantage: Low Ground Bearing Pressure

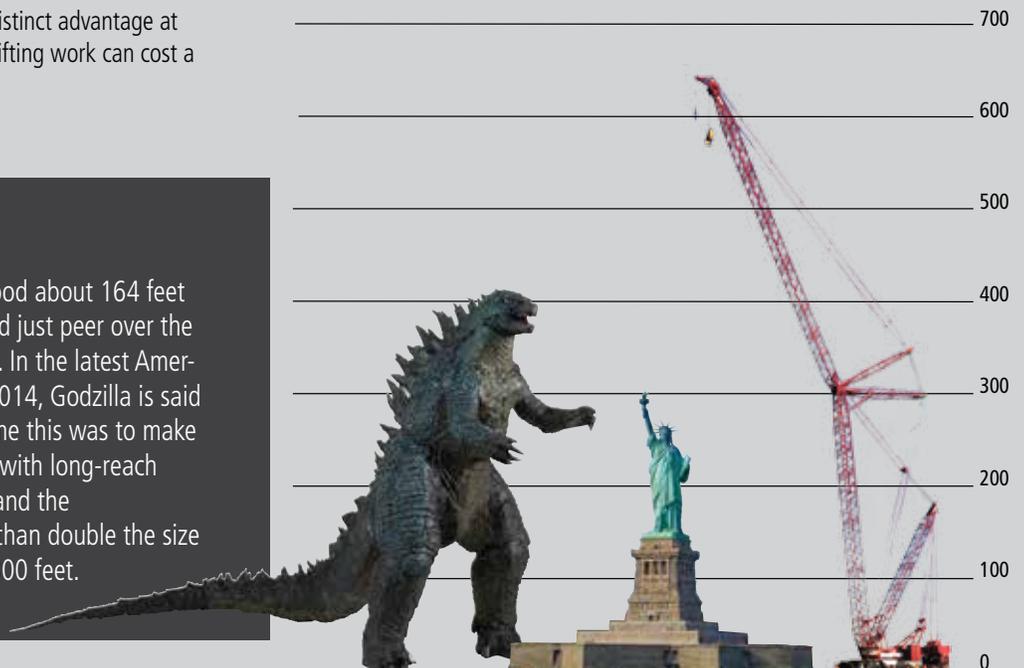
Its exclusive Octa-trac® eight-crawler system allows swing and travel with a full load and minimizes ground bearing pressure.



Reduced ground bearing pressure means less time and investment preparing the site to handle the load. This is a distinct advantage at a site like a power plant, where shutdowns for lifting work can cost a power company millions of dollars each day.

How big is big?

In the original 1954 film, Godzilla stood about 164 feet tall. His height was such that he could just peer over the largest buildings in Tokyo at the time. In the latest American version of the film, released in 2014, Godzilla is said to be "over 400 feet tall." We presume this was to make him as tall as the Manitowoc 21000 with long-reach boom. Add the luffing jib extension, and the 21000 reaches to 640 feet — more than double the size of Lady Liberty, who stands a squat 300 feet.



A Valuable Investment

Each of ALL's 21000s has conducted thousands of lifts while maintaining an almost nonstop work schedule. **Each has also been 100% rebuilt — a sizable investment.** ALL takes their reputation for quality seriously. Maintaining equipment at a top operational level is not only what ALL customers have come to expect, it is also a point of every employee's pride, down to the technician who replaces the smallest bolts. A note on replacement parts: all 21000 parts continue to be made due to the machine's longstanding popularity, which is not always the case with cranes that have been around for several years.

*Interested in adding one of the ALL 21000s to YOUR fleet?
Read more on page 24. ▼*



Year purchased: 2000

Year of complete rebuild: 2009

Work of note: NIPSCO Power Station, Wheatfield, Indiana

Hours: 4,488

Model/Serial Number: 8100/21001004*

At NIPSCO's R.M. Schahfer coal-fired generating station in Wheatfield, Indiana, nearly a dozen cranes from Central Rent-A-Crane in Hammond helped upgrade two wet flue gas desulfurization units with air emissions reduction equipment. Pictured, Central's Manitowoc 21000 with 180 feet of main boom, 260-foot luffing jib, and a 72-foot MAX-ER attachment sets a piece of a duct.

**This machine has been certified for work in CA.*



Year purchased: 2002

Year of complete rebuild: 2008

Work of note: BP-Husky Toledo Refinery, Ohio

Hours: 5,171

Model/Serial Number: 8100/21001008

Jeffers Crane Service, a member of the ALL Family of Companies, assisted with heavy lifting at the BP-Husky Toledo (Ohio) Refinery Reformer 3 expansion. In conjunction with a tail crane to assist, the cranes set prefabricated vertical equipment modules and process equipment, with the heaviest lift being 319 tons. They also erected the plant's reformer furnace, including three convection boxes, the heaviest of which weighed more than 250 tons. These heavy lifters are ideal in the energy field.



Year purchased: 2001

Year of complete rebuild: 2014

Work of note: Kennedy Space Center, Cape Canaveral, Florida

Hours: 350

Model/Serial Number: 9465/21001007

The power of the 21000 was called upon to assist at NASA's Kennedy Space Center, helping to construct a mobile launch tower for the Ares I spacecraft. The crane, rented from ALL Sunshine Crane Rental, lifted a tier of the tower weighing 214,170 pounds, with an additional 42,000 pounds for load block and rigging. The tight schedule, and meeting the strict safety regulations for a high-profile, important project — that is ALL.