

Large Lifting Capacity and Long Range: The Demag AC 300-6 All Terrain Crane

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Six-Axle Crane Makes a Compelling Case at CONEXPO-CON/AGG 2020 with the Biggest Lifting Capacities with a 262-ft Boom Length

The six-axle **Demag** AC 300-6 all terrain crane not only features a 262-foot-long main boom, but is also the first Demag crane of this size with a luffing jib. This enables it to deliver a lifting capacity and reach that make it possible to carry out demanding lifts while keeping operating and transportation costs lower than those for other cranes in the 330-ton capacity class.

Maximum Lifting Capacity

With an unbeaten lifting capacity of 33,100 lbs with a fully extended 262-ft main boom, the Demag AC 300-6 is the perfect assist crane for erecting large tower cranes. Without a jib, it can complete lifts all the way to a height of 255 feet. No other crane in this class offers this combination of range and power.

Up to a System Length of 394 Feet

For even greater ranges, the AC 300-6 can be equipped with various extensions: From a 36-ft or 68-ft HAV main boom extension, through 170-ft and 108-ft LF and SF extensions, all the way to luffing jibs with a length of up to 206 ft. This means that a maximum system length of 394 feet is achievable.

Fast Setup System

The patented setup system for the luffing jib ensures safe and fast setup, as it makes assembly without an assist crane and without work at height possible.

Cost-Effective as a Result of Shared Components

The AC 300-6 shares the 68-ft HAV main boom extension and the runner with Demag 5-axle cranes, improving cost-effectiveness as a result.

Innovative Single-Engine Design

A state-of-the-art single-engine design with 460-kW Mercedes Benz diesel engines and a Voith turbo retarder clutch generates even greater productivity while keeping operating costs low.

More Lifting Capacity with the IC-1 Plus

Thanks to its innovative IC-1 Plus control system, the Demag AC 300-6 can even handle lifts that are normally the exclusive job of larger cranes. To do this, the system continuously calculates the crane's lifting capacity for every boom position as a function of the superstructure's slewing angle. This means that the lifting capacity for a specific radius is no longer limited to the lowest value for a pre-calculated 360° lifting capacity, as used to be the case. Instead, the crane can always take full advantage of the maximum available lifting capacity. This advantage is particularly useful when it comes to lifts requiring an asymmetrical outrigger setup.

Outstanding Maneuverability

Thanks to its compact design with a carrier length of 50.2 feet and a width of 9.84 feet, as well as optional all-wheel steering, the AC 300-6 can maneuver perfectly well in extremely tight spaces.

Optimized Weight Concept

On the road, the crane stays below permissible axle load limits of 13.22 to 18.18 tons. And with the use of various transport dollies, as well as by removing the boom, the AC 300-6 can be configured in such a way as to stay within the legal axle load limits in most US states.

Source: Tadano