

The WOLFF 6020 clear – flat-top WOLFF crane reloaded

Munich – January 2019. Highest quality and efficiency standards are characteristic trademarks of WOLFF cranes. This also holds true for the WOLFF 6020 clear which was introduced in 2017 and continues the success story of its predecessor, the WOLFF 6015 clear. The newest member of the WOLFF clear family in the 140 tm range includes technical modifications, offering the customer highest degrees of variability, flexibility and safety.

Due to continuously increasing demands on tower cranes and ever more complex challenges faced on construction sites, WOLFFKRAN decided to completely overhaul the successful WOLFF 6015 clear. Major improvements of its successor, the WOLFF 6020 clear, include an increased tip load capacity and the integration of numerous design details of the latest WOLFF clear models. The technical upgrade has proven its worth: like its predecessor, the WOLFF 6020 clear is in great demand among customers, especially in the DACH countries (Germany, Austria, Switzerland).

Two versions offering remarkable performance

The flat-top saddle jib has been available for customers since September 2017. It is offered as the 6-ton version WOLFF 6020.6 clear and the 8-ton version WOLFF 6020.8 clear, with three different tower connections per version. Compared to its predecessor, the 6-ton version can lift 2.0 tons instead of 1.5 tons at the tip at a 60-meter jib radius, while the tip load capacity of the 8-ton version was increased from 1.5 tons to 1.8 tons. Like the WOLFF 6015 clear, both versions are designed for pure 2-fall operation.

A feature that is particularly worth mentioning is the 28 kw hoist winch Hw 628.1 FU installed in the WOLFF 6020.6 clear allowing for even faster working times with partial load speeds of up to 108 m/min. In the 8-ton version, WOLFFKRAN relies on the tried and tested 45 kW hoist winch Hw 845 FU.

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Efficiency and customer demands as top priority

In line with the company's design principles of keeping things as simple as possible, the WOLFF engineers redesigned the trolley by replacing the rollers with wheel flanges used until then by rollers without wheel flanges and a guide roller on the jib, thus optimizing the run of the trolley. The connection of the lower belt of jib was also redesigned to optimize the transfer of forces on the jib. This allows for the use of smaller, more practical bolts, which makes the assembly easier.

The WOLFF 6020 clear also convinces by offering customers more flexibility. Since the counterweights are no longer included as standard in the basic crane package or the jib extensions, the customer can use counterweight blocks from his existing WOLFF fleet, or order these separately as required, which is a decisive advantage economically seen. In terms of variability, the 6020 clear does not break with the tradition of its predecessor, as it is available with three different tower connections. It can therefore be connected to the narrow UV 15 tower system (external dimension of 1.5 m × 1.5 m) as well as to the wider towers TFS 20 and UV 20 (both 2.0 m × 2.0 m).

Inspired by customer feedback, the WOLFFKRAN engineers fitted the counter jib with transport aids in the form of a special support structure to securely hold up to three jib sections on the counter jib during transport. Further, the counter jib was fitted with new railings that are suitable for attaching safety harnesses thus improving the safety for technicians working on the counter jib. The WOLFF 6020 clear also features the support beams for the easy positioning of the bracing rods that were introduced to the clear models several years ago and considerably facilitate assembly of the counter jib. A maintenance crane with a lifting capacity of up to one ton is optionally available to support maintenance work such as replacing the motor of the hoist winch without the need for an external crane.

Only a top-class package makes a crane a WOLFF

In comparison to the WOLFF 6015 clear, the WOLFF 6020 clear features even more galvanized parts, such as railings, platforms and covers, as well as specially coated bolts to prevent corrosion. The slip ring system – a long standing standard in WOLFF cranes – at the transition point between the tower and the jib permits the trouble-free transmission of electrical signals. The electronic overload protection with WOLFF Boost, the latest generation of

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frequency inverters in the hoist drive, the anti-collision interface, the hoisting gear with automatic power reduction as well as the remote data transmission system WOLFF Link are technical features that can only be sourced together from WOLFFKRAN.

At bauma, the WOLFF 6020 clear will present itself close to the public: it will stand on the floor and be accessible to the visitors.

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With a tradition of over 150 years WOLFFKRAN is one of the leading manufacturers and rental companies of high-quality tower cranes in Central and Eastern Europe, the Middle East, North America, Canada, Australia and Southeast Asia. The worldwide rental fleet comprises more than 700 WOLFF cranes. It is headquartered in Zug (Switzerland) and has manufacturing sites in Heilbronn and Luckau (Germany), as well as international subsidiaries and partnerships around the world. It employs a global workforce of approx. 800 people.