

# Press Release

## Vertical motors for iron ore mill

Menzel Elektromotoren has built two replacement motors with special characteristics for an iron ore mill: slipring motors with cooling type IC 511 for vertical mounting on gearboxes. Each of these attributes is in itself unusual; the combination of all three required a particularly complex new construction. The existing motors of a different make had repeatedly experienced problems. Having successfully worked with Menzel before, the steelworks operator commissioned identical motors with the same performance characteristics, but for failsafe operation. Special solutions are routine business for the German motor manufacturer who was therefore well-prepared to equip the two 10-ton motors with tube cooling systems. One of the advantages of this design's is the robust, torsion-resistant welded-steel housing that also provides very good re-cooling and is less prone to fouling compared to rib-cooled motors, as well as showing better resistance to vibration and shocks. Menzel tested the motors rated 1120 kW, 6600 V in its own test field before shipping. The customer took the opportunity to observe these tests in the company's test area, which all customers are invited to do. More information about motors with cooling type IC 511 is available at <https://www.menzel-motors.com/slip-ring-motor/ic511/>.



**Caption:** Menzel Elektromotoren builds vertical motors to measure – including hand-welded motor housings for efficient cooling

Image/s: motor\_iron\_ore\_mill Characters: 1310  
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#### **About Menzel Elektromotoren**

Based in Berlin, Menzel Elektromotoren GmbH has been manufacturing and distributing electric motors for more than 90 years. The medium-sized company specializes in the delivery of large electric motors, including special models, within the shortest possible time. The product range comprises high and low voltage motors, DC motors, transformers, and frequency inverters. Services include motor production and short-term adaptation of stocked motors to application-specific requirements. In order to ensure fast deliveries to the customer at all times, the company maintains a very extensive inventory including more than 20,000 motors with a maximum performance of up to 15,000 kW. Qualified engineering, experienced staff, and state-of-the-art production and testing facilities help Menzel provide excellent reliability. Menzel operates subsidiaries in the UK, France, Italy, Spain, and Sweden, and cooperates with numerous partners worldwide.

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