

Press Release

Ball mill motor for iron ore mining

Menzel Elektromotoren has quickly adapted and tested a stock motor for a ball mill and expedited it to an iron ore mine. It took only three weeks before the unit was commissioned on site. The customer had ordered a same-size replacement of the original motor with identical electrical properties: 6,750 kW nominal output and 6,600 V nominal voltage. Few if any manufacturers keep motors of this size in stock. That is why such units are usually manufactured to order and typically take several months to be delivered. Menzel was able to flexibly fulfill this order thanks to an exceptionally extensive and very varied range of stock motors. A star-connection 11 kV motor was rewired for 6.6 kV delta connection. Adapter base plates were adjusted for the existing bore hole pattern at the installation site. The motor has been especially tailored to the mill application to ensure maximum availability. It is extremely robust and withstands dust and vibration over the long term.



Illustration: The configuration for a ball mill that crushes rocks required a very robust drive that withstands dust and vibrations

Illustrations: ball_mill_drive

Char.s: XXX

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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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