

Press Release

Special motors for pumping station

Menzel Elektromotoren has built two special motors to meet exact customer specifications for all mechanical and electrical properties. A waterworks in the United States needed replacements for very old pump motors with low speeds of 391 min^{-1} and 439 min^{-1} . The order was for two vertical slipring motors with outputs of 335 kW and 700 kW, each with 4000 V rated voltage. Menzel manufactured two bespoke motors from scratch, including the motor windings. A particular challenge, the external dimensions of the old drives also had to be precisely matched for the same total height with protective hood, terminal box placements, and arrangement of cooling air intakes and outlets. Menzel has a wealth of experience in special motor engineering and is adept at meeting such requirements. The company designed and welded the special enclosures in-house. Implementing the exact same dimensions of the old motors ensured easy and time-saving replacement on site in the pumping station. Before shipping, the motors underwent a load test according to the bi-frequency method in Menzel's test field in Berlin. All outlined parameters were met to the full satisfaction of the customer. Menzel has been supplying the customer, a U.S.-based drive manufacturer, with special motors for several years, especially when they had to meet particularly short delivery times.



Illustration: Menzel manufactured and load-tested customized replacement motors for a waterworks

Illustrations: pump_motors_usa

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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.

Contact: Menzel Elektromotoren GmbH

Mathis Menzel

Neues Ufer 19-25
10553 Berlin
Germany

Tel.: +49 . 30 . 349 922 - 0
Fax: +49 . 30 . 349 922 - 999
Email: info@menzel-motors.com
WWW: www.menzel-motors.com



gii die Presse-Agentur GmbH
Immanuelkirchstr. 12
10405 Berlin
Germany
Tel.: +49 . 30 . 538 965 - 0
Fax: +49 . 30 . 538 965 - 29
Email: info@gii.de
WWW: www.gii.de