

## Press Release

### Compressor motor restores oxygen supply

Menzel Elektromotoren has delivered an urgently needed compressor motor to ensure the oxygen supply of many hospitals. A motor failure had led to a production stoppage. Dwindling oxygen reserves that would only last three weeks increased the time pressure. Menzel completed the order at the turn of the year, working in close coordination with the customer. The replacement motor was dispatched by air freight to its destination in the Middle East. While this type of compressor is typically equipped with water-cooled motors with externally lubricated bearings, the failed motor had featured air cooling and self-lubricated, extra-large bearings. Neither a cooling water connection nor an oil supply were therefore available on location. In order to address these special conditions, Menzel proceeded to modify a motor they had in stock accordingly. The drive engineers converted the air-water cooling to air cooling.



**Illustration:** The compressor motor converted by Menzel ensures that numerous hospitals can be sufficiently supplied with oxygen over the long term

They added an oil circulation pump with a separate tank and connected it to both bearings. At the customer's request, the autonomous lubrication was function-tested in an extended trial run. Furthermore, the engineers bored mounting holes to fit the existing footprint at the installation site and moved the

terminal box to a specified position for optimal accessibility. Core parameters of the shipped motor are a 4,750 kW, 6,600 V connected load, 1,492 rpm, and IP23 ingress protection. Menzel serves customers all over the world. In this case, the order came in via a local partner who also carried out the motor installation and commissioning. The project was completed to the full satisfaction of the customer. Regular oxygen supply to the hospitals has been reliably up and running again for some time now.

Illustrations: compressor\_motor\_o2\_supply Char.s: 1,730  
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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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