

CONSTRUCTION PUMP



Partnering for “Portable Power” for over 25 Years

The Challenge

This application required not only a motor, but a partner to assist them with production of the special cast metal housing for the motor and control. They wanted strong engineering support, expertise and higher levels of integration.

The Solution

- Two-Pole Universal Motor (UM) with custom winding and high torque requirements
- Design optimization for rugged operating environment and portability
- Special cast housing sourced and supplied by Groschopp as a value-added service to the customer
- High power-to-weight ratio inherent to UM motors

“This customer produces very high quality products, and with their portable tools, unfailing operation is critical. They’ve trusted us to not only supply them with a great product, but have come to rely on us more and more for engineering and overall system support.”

- Jared Birk, Engineer

This customer is a global manufacturer of high performance fluid power and railway integrity products and systems with a number of well-respected product brands. Their hydraulic pumps feature heavy-duty construction and time-proven design, and are portable, lightweight and feature excellent weight to performance ratio.

“There’s actually nothing about the motor alone that is particularly ‘magical’ in this application, it’s really about the whole product,” said Birk, in describing this application. “We have been happy to supply them for over 25 years and throughout that time, we have grown more and more involved with their custom housing – including tooling, production, and vendor selection. That proves to me that they trust us as engineers and business partners, to make sure the entire job gets done right.”

Unique to the application is its rugged removable cast metal motor housing, which can be supplied in 4 different colors and is produced by the Groschopp-selected vendor to exacting specifications.

Groschopp has been asked to supply many different variations of this motor. We have partnered with this customer to set up a Kanban for all of the motors they purchase from us with only a seven day lead time.

“Our people have the expertise and commitment that our customer values – and it’s great to know they are so pleased with our products. We seldom have any quality problems or returns, and our delivery is excellent” added Birk.



Universal Motor in Special Cast Housing

