

**RESTORED TO ORIGINAL SPECS. BECAUSE WE OWN THEM.**

## CRANE MOTORS

# REBUILT OR NEW, OUR MOTORS GIVE YOU LASTING PERFORMANCE

Crane Pro Parts leads the industry in manufacturing and rebuilding crane motors. Our parent company, Konecranes, is the OEM for more than 40 crane brands. This enables us to rebuild motors to original equipment specs and provide drop-in replacements of original motors, without modification.

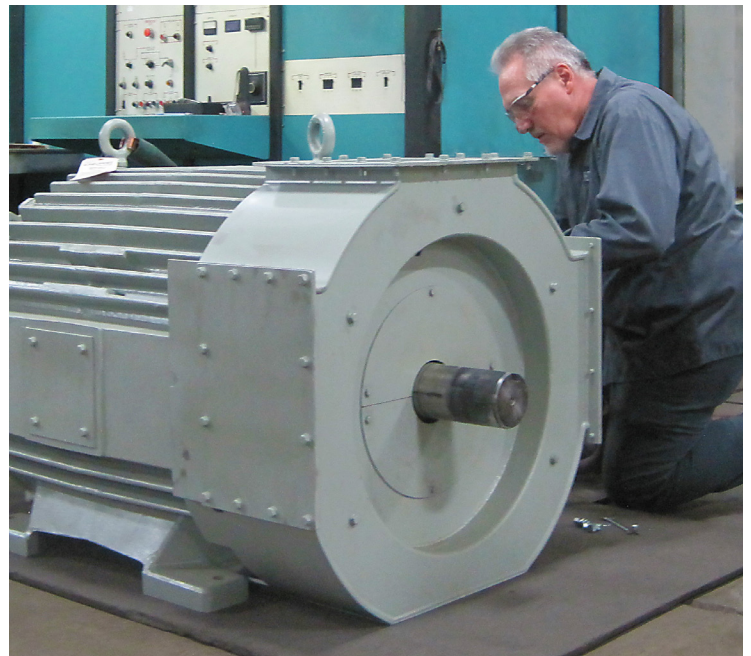
We add to this advantage 50 years of motor rewind and rebuild experience, the highest quality materials and the expertise of our technicians and engineers. The result: rebuilt motors that perform like new – at a fraction of the cost – and last longer than rebuilds from non-OEM shops.

### ADVANTAGES OF MOTOR REBUILDS BY CRANE PRO PARTS

Crane Pro Parts motor rebuilds last two to three times longer than those of other rebuild facilities, due to the high quality of our design, materials and skilled technicians.

This means less downtime for motor replacement and heightened productivity. Other advantages of our rebuilds include:

- **Half the lead time** of a new motor, so less downtime
- **Cost savings** over a new motor, typically 40 to 50%
- **Timely completion** to fit your schedule. Our VIP service offers expedited response when you need it.
- **Top motor performance**, as we follow OEM specifications. We rebuild motors exactly as they were designed.
- **Our comprehensive evaluation** determines the overall condition of the motor and the root cause of failure, to help you prevent recurrence.
- **No shortcuts.** We have the OEM drawings to manufacture new components to factory specs.
- **Extended motor life.** Our high quality construction allows our motors to run cooler and more efficiently, resulting in increasing life and duty cycle.
- **Our in-house engineering team** can modify motors to improve performance for your current needs. For instance, adding brake wheels, blowers, thermostats, heaters and resistance temperature detectors, or modifying shafts to accommodate different size brakes.



## THE CPP REBUILT MOTOR EXCHANGE PROGRAM REDUCES DOWNTIME

To reduce downtime when you have a breakdown, Crane Pro Parts offers the Motor Exchange Program. Here's how it works:

- Send us a spare motor that requires rebuilding
- We'll rebuild and store the motor at our Motor Rebuild Center
- When you have a motor breakdown, we'll overnight you your rebuilt Exchange Program motor
- Send us the broken motor, and we'll continue the cycle, rebuilding and storing it until you need a replacement

## PERFORMANCE MOTORS: THE SOLUTION FOR TOUGH ENVIRONMENTS

Tough operating environments and high utilization prematurely wear down crane motors. In cases like this, Crane Pro Parts' Performance Motors are the answer.

They provide extended life in grueling environments such as steel mills, recycling plants, refineries, waste plants, paper mills, foundries and power plants. They typically exceed the five-times industry average service life of our standard rebuilt motors.

Performance Motors, run 30 percent cooler than standard motors, thanks to design elements engineered at the Crane Pro Parts Motor Rebuild Center:

- **Special Frame Designs.** 50 Plus years of motor manufacturing experience allows us to have the knowledge to make necessary design changes to the frame that will ensure a cooler running motor.
- **Enhanced Proprietary Stator and Rotor Cores.** We can modify our already superior lamination design that is utilized in our cores. This will promote increased air flow and also support better heat dissipation. The result will be a decrease in potential loss of power through the cores.
- **Increased Current Flow.** We achieve this by making minor design changes to our Proprietary stator and Rotor windings. To further increase current flow, we can modify our motor brushes to reduce friction with the slip ring assembly.
- **Horsepower Utilization.** Over time duty cycle changes may make it necessary to modify the horsepower capacity of a motor. We can analyze the current duty cycle and environment of the motor and design the recommended horsepower adjustments into the rebuild.

## ABOUT THE CRANE PRO PARTS MOTOR REBUILD CENTER

We perform motor rebuilds in our 70,000-square-foot Motor Rebuild Center in New Berlin, WI. The shop, which is an EASA member and UL certified, is staffed by skilled technicians with 25 to 30 years' experience. As a company, we have 50-plus years in motor rebuilding.

We're also authorized to rebuild motors of other manufacturers. They put their trust in our expertise and proven record.



## NEW MOTORS: KONECRANES' HIGHER QUALITY FROM THE START

When you need a new crane motor-- whether it's AC or DC-- Crane Pro Parts offers the highest quality on the market, built on our experience as the OEM for more than 40 crane brands.


In most cases, our motors are exact replacements of original motors. They require no modifications and are ready for drop-in replacement.

Modifications, though, may be needed for older motors that have become obsolete or when the duty cycle has increased to meet today's production demands. In such cases, our engineers can design component modernizations to provide you the motor solution you need.



Crane Pro Parts is the crane parts supply organization of Konecranes in the U.S. Visit our online store for standard part pricing, availability and placing orders.

Konecranes is a world-leading group of Lifting Businesses™, serving a broad range of customers, including manufacturing and process industries, shipyards, ports and terminals. Konecranes provides productivity enhancing lifting solutions as well as services for lifting equipment of all makes. The Group has 18,000 employees at 600 locations in 50 countries. Konecranes class A shares are listed on the Nasdaq Helsinki (symbol: KCR).

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**CRANE PRO PARTS™**  
11420 W Theo Trecker Way  
West Allis, WI 53214  
P: 800.727.8774  
[partscpp@konecranes.com](mailto:partscpp@konecranes.com)  
[www.craneproparts.com](http://www.craneproparts.com)  
[www.konecranesUSA.com](http://www.konecranesUSA.com)  
[store.craneproparts.com](http://store.craneproparts.com)