

TEI DirecDrive™

Manufactured by Baldor Electric Company

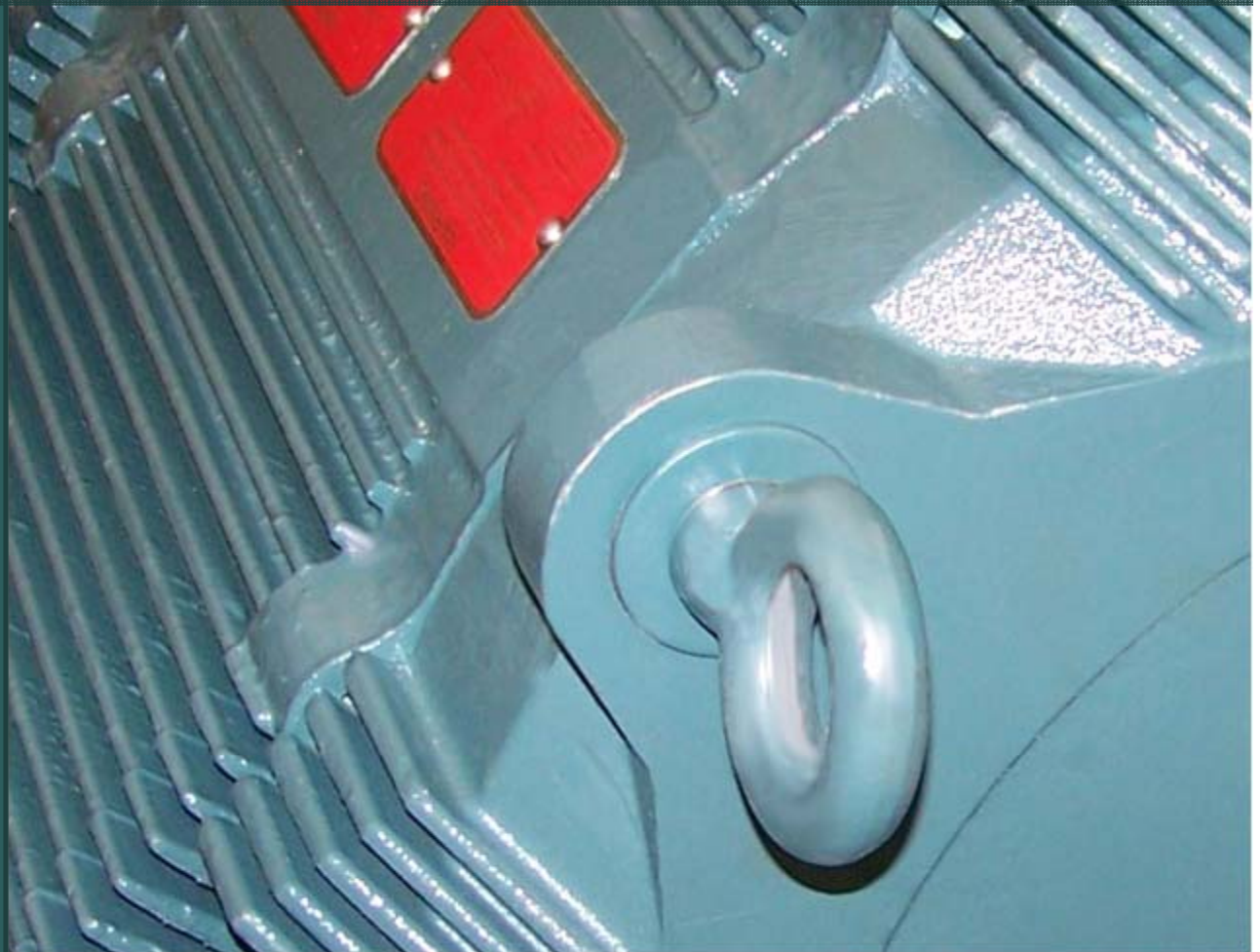
Redefining Cooling Tower Fan Drive Efficiency for the 21st Century



**TOWER
ENGINEERING**
PERMANENT COOLING TOWERS

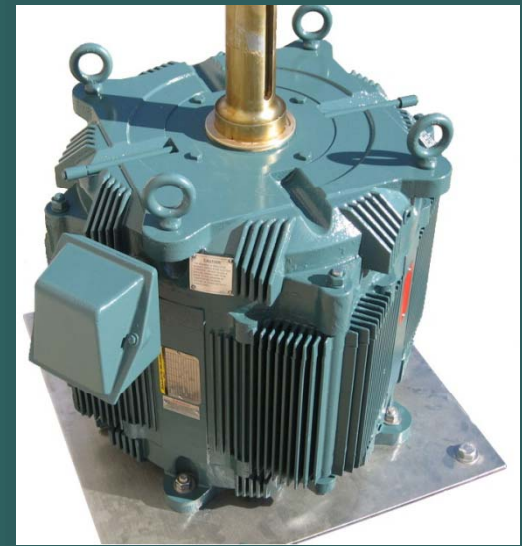


MEMBER



TEI DirecDrive™ Cooling Tower Drive System

As a result of collaborative design and testing efforts between Baldor Electric Company and Tower Engineering, Inc., TEI is proud to offer the new TEI DirecDrive™ Cooling Tower Drive System. Designed exclusively for the cooling tower industry, the TEI DirecDrive™ system is designed to maximize drive system efficiency and reliability. Comprising of two major components (Baldor RPM-AC Permanent Magnet Motor and Baldor VSICT Variable Speed Drive), the TEI DirecDrive™ system eliminates the need for a conventional right-angle gear reducer, drive shaft and disc couplings, thus eliminating the efficiency losses associated with that equipment.



TEI DirecDrive™ Motor PMR Technology

Utilizing Permanent Magnet Rotor (PMR) technology, the TEI DirecDrive™ Motor uses high strength Neodymium Iron Boron magnets, which allows the motor to be manufactured in a smaller, more compact frame. Advances in motor power density using laminated steel finned frame construction, combined with the high strength PMR technology, results in a high torque, highly efficient, slow speed, low profile motor that can operate at a 1:1 ratio with the fan. Similar RPMAC Permanent Magnet motors are currently being used on off shore drilling applications in the North Sea with proven reliability.



Rotor without Permanent Magnets



Rotor with Permanent Magnets



Post Assembly of Rotor

TEI DirecDrive™ System Benefits

- ★ Adjustable Speed Capability
- ★ Increase Energy Efficiency
- ★ Lower Operating Costs
- ★ Lower Maintenance Costs
- ★ Improved Reliability
- ★ Quieter Operation
- ★ Standard 5 Year Warranty (HVAC)

TEI DirecDrive™ Cooling Tower Drive System

For additional details, selection and pricing on the new TEI DirecDrive™ Cooling Tower Drive System, please contact your local TEI Sales Representative or TEI directly.

Email: info@tei-usa.com

Phone: 1-800-759-6600

Website: www.tei-usa.com