



**TMEiC**  
*We drive industry*

# Reciprocating Compressor Motor

Self-cooled and variable frequency drive ready

3500, 5500 & 7800 HP options

[WWW.TMEIC.COM](http://WWW.TMEIC.COM)

JAPAN | NORTH AMERICA | SOUTH AMERICA | EUROPE | SOUTHEAST ASIA | INDIA | CHINA | MIDDLE EAST | AUSTRALIA

# RECIPROCATING COMPRESSOR MOTOR

## Motors for gas compression.

TMEIC has specifically designed a motor for the demanding higher-speed reciprocating compressor applications of the Oil and Gas Industry. These motors are pre-engineered and pre-documented, including 3D CAD drawings for skid layout designs ahead of ordering to reduce time to the field.

Eliminating top-mounted auxiliary air blowers and no external oil system required for the bearings eliminates control-protection panels and oil piping, lowering initial investment and facilitating assembly.

The entire package height is reduced by 5 feet by eliminating the top-mounted blowers. The lower height helps avoid special permits, specialized logistical routes, and unnecessary expenses.



- » A dependable design achieves minimal vibration levels in accordance with NEMA, IEC, and API 541 standards, enhancing the stability and performance of the motor-compressor-coupling system
- » Our insulation system is specifically engineered to meet the unique needs of users with variable frequency drives
- » Designed for classified areas as NEC Class I, Division 2, Groups B, C, and D
- » Meets Canadian Electrical Code, per CSA standards
- » Reduce the risk of motor failure and prevent costly downtime by insulating both bearings
- » Prevent movement created by the pulsating load from the compressor with bracing specifically designed for the windings
- » Shaft material is ANSI 4140 forged steel that meets or exceeds compressor OEMs minimum strength and diameter

**TMEIC Corporation Americas | Roanoke, Virginia | Houston, Texas | [WWW.TMEIC.COM](http://WWW.TMEIC.COM)**

All specifications in this document are subject to change without notice. This brochure is provided free of charge and without obligation to the reader or to TMEIC. TMEIC does not accept, nor imply, the acceptance of any liability with regard to the use of the information provided. TMEIC provides the information included herein as is and without warranty of any kind, express or implied, including, but not limited to, any implied statutory warranty of merchantability or fitness for particular purposes. The information is provided solely as a general reference to the potential benefits that may be attributable to the technology discussed. Individual results may vary. Independent analysis and testing of each application is required to determine the results and benefits to be achieved from the technology discussed.