

Top 5 Benefits

1 Service & Support.

Live help from TMEIC is a phone call away.

- 77 TMEIC VFD Service Engineers
- 43 Motor service locations
- Authorized VFD service providers
- Authorized MV Motor Repair Technicians



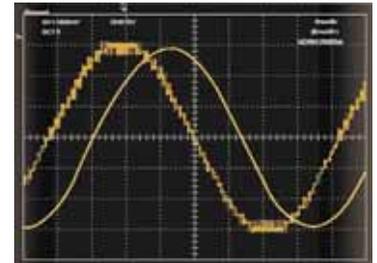
2 DC link Dry film capacitors.

Dry film capacitors eliminate the need to replace or service at regular intervals during product life. Electrolytic caps are not used in the design.



3 Extremely low motor thermal loading

The multilevel PWM output waveform approximates a sine wave, reducing dv/dt. Also, the motor does not experience a significant temperature rise, thereby running cooler.



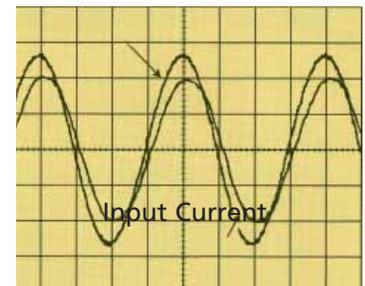
Current and Voltage Output Waveforms for 6 kV Drive

21 levels (peak-to-peak for 6kV)

4 Line-side harmonics - solved.

A multi-pulse diode rectifier with a drive isolation transformer eliminates the need for additional line side filters or reactors. The VFD meets IEEE 519-2014 mandate natively.

- 3.3 kV Class: 18 pulse
- 4.16 kV Class: 24 pulse
- 6.6 kV Class: 30 pulse
- 10 kV Class: 48 pulse
- 11 kV Class: 54 pulse



5 Modular assemblies with low parts count and over 15+ year MTBF.

1700V IGBTs provide the added reliability and availability for the most demanding applications.

