



**FREQUENCY CONVERTER SPECIFICATION**  
**GEORATOR CORPORATION**  
MANASSAS, VIRGINIA 20110

Model No. 33-003  
Type 22-A Vertical Frequency Converter

1.0 INPUT:

- 1.1 Motor, Rotor And Stator: Reliance, Frame 254T,  
Georator P/N18-309;7.5 HP, 3 Phase, 60 Hz, 208- 220/440V, 1760 RPM (Nom.).
- 1.2 Input Current: 21.1/10.5 Amperes
- 1.3 Insulation: Class B
- 1.4 Maximum Ambient Temperature: 50 Degrees C
- 1.5 Duty: Continuous

2.0 OUTPUT:

- 2.1 Rating: 5 KVA, 100% PF, 1 Phase, 400 Hz (Nom.), 115V(Nom.).
- 2.2 Output Voltage, No Load: 124V +/-1V
- 2.3 Output Frequency Tolerance: 420 Hz Max. @ No Load To 410 Hz Min. @ Full Load
- 2.4 Output Current: 43.5 Amperes
- 2.5 Insulation: Class B
- 2.6 Duty: Continuous
- 2.7 Maximum Ambient Temperature: 50 Degrees C
- 2.8 Dielectric Strength, Winding To Frame: 1500V For 1 Minute

3.0 VIBRATION: Within 0.0015

4.0 BEARINGS: Shielded Life Time Lubricated Motor Bearings

5.0 FINISH:

- 5.1 Primary: Modified Alkyd Resin, FED STD TT-P-664D
- 5.2 Paint: Silver-Blue Enamel

6.0 APPROXIMATE WEIGHT:

- 6.1 Net: 245 Lbs.
- 6.2 Shipping: 300 Lbs.

Revision Letter	Date	Revision Description
ENGINEER	M.T.E.	
APPROVED BY		April 20, 1998