



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

**Model No. 33-004**  
**Type 20-A Vertical Frequency Converter**

**1.0 INPUT:**

- 1.1 **Motor:** Reliance Rotor and Stator, Frame 254T, 7.5 H.P., 3 Phase, 60 Hz, 220/440V (±10%), 1760 RPM F.L., Georator P/N 18-309
  - 1.1.1 Input Current: 21.1/10.5 Amperes At Full Load
  - 1.1.2 Insulation Class: B
  - 1.1.3 Max. Ambient Temp: 50°C
  - 1.1.4 Duty: Continuous

**2.0 OUTPUT:**

- 2.1 **Rating:** 5.0 kVA, 100% PF, 3 Phase, 400 Hz (Nom.), 115/200V or 115V Nom.
- 2.2 Output Voltage, No Load: 124V ± 1V L-N
- 2.3 Output Frequency Tolerance (Approx.): 420Hz N.L., to 410Hz Min. @ F.L.
- 2.4 Output Current: 25/14.5 Amperes
- 2.5 Insulation Class: B
- 2.6 Duty: Continuous
- 2.7 Maximum Ambient Temperature: 50°C
- 2.8 Dielectric Strength, Winding To Frame: 1500 V For 1 Min.

3.0 **VIBRATION:** Within 0.0015"

4.0 **BEARINGS:** Shielded Life Time Lubricated

**5.0 FINISH:**

- 5.1 Primer: Modified Alkyd Resin, Fed Std. TT-P-664D
- 5.2 Paint: Silver-Blue Enamel
- 5.3 Hardware: Steel, Zinc-plated

**6.0 APPROX. WEIGHT:**

- 6.1 Net: 217 Lbs.
- 6.2 Shipping: 320 Lbs.

Rev. Letter	Date	Revision Description
ENGINEER		
APPROVED BY		05/06/2005