



FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
 MANASSAS, VIRGINIA 20110

Model No. 39-002
 Type 22-A Vertical Frequency Converter & Back Iron Regulator

1.0 INPUT:

- 1.1 Motor, Rotor & Stator: Reliance, Frame 254T, Georator P/N 18-309; 7.5 H.P., 3 Phase, 60 Hz, 220/440V (+-10%), 1760 RPM F. L.
- 1.2 Input Current: 21.1/10.5 Amperes
- 1.3 Insulation: Class B
- 1.4 Max. Ambient Temperature: 40 Degrees C
- 1.5 Duty: Continuous

2.0 OUTPUT:

- 2.1 Rating: 5.0 KVA, 80% PF, 1 Phase, 400 Hz (Nom.), 115V +-1.5%
- 2.2 Output Voltage: No Load; AC values before regulation & rectification:
 - (A) Power Winding: 146V (+-1V)
 - (B) Control Winding: 57V (+-1V) L-L
- 2.3 Output Frequency Tolerances: 420 Hz N.L. to 410 Hz F.L.
- 2.4 Voltage Regulation: +-1.5% N. L. to F. L.
- 2.5 Voltage Adjustment: +-5%
- 2.6 Output Current Rating: 43.5 Amperes
- 2.7 Insulation: Class B
- 2.8 Max. Ambient Temperature: 40 Degrees C
- 2.9 Dielectric Strength, Winding to Frame: 1500V for 1 min.

3.0 VIBRATION: Within 0.0015

4.0 BEARINGS: Shielded Life Time Lubricated Motor Bearings

5.0 FINISH:

- 5.1 Primer: Alkyd, Red Iron Oxide Per Fed. Std. TT-P-664D
- 5.1 Paint: Silver-Blue Enamel

6.0 APPROX. WEIGHT:

- 6.1 Net: 300 Lbs.
- 6.2 Shipping: 360 Lbs.

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