



FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
 MANASSAS, VIRGINIA 20110

Model No. 39-010

Type 33-A Vertical Frequency Converter And Back Iron Regulator

1.0 INPUT:

- 1.1 Motor, Rotor And Stator: Reliance, Frame 254T, Georator P/N 18-449; 7.5 HP, 3 Phase, 50 Hz, 220/380V, 6 Wire, 1450 RPM (Nom.)
- 1.2 Input Current: 22.5/13 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
- 2.2 Output Voltage, No Load; AC Values Before Regulation And Rectification:
 - (A) Power Winding: Approx. 149 +-1V L-N
 - (B) Control Winding: Approx. 60 +-1V L-L
- 2.3 Output Frequency Tolerances: 400 Hz @ No Load To 388 Hz @ Full Load
- 2.4 Voltage Regulation: +-1.5% No Load To Full Load
- 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 Minute

3.0 VIBRATION: Within 0.0015

4.0 BEARINGS: Shielded Life Time Lubricated Motor Bearings

5.0 FINISH:

- 5.1 Primer: Modified Alkyd Resin Red fed std TT-P664D
- 5.2 Paint: Silver-Blue Enamel

6.0 APPROXIMATE WEIGHT:

- 6.1 Net: 355 Lbs.
- 6.2 Shipping: 430 Lbs.

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