



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

Model No. 33-159

**Type 25-A Vertical Frequency Converter**

**1.0 INPUT:**

- 1.1 Motor: Reliance Stator & Rotor, Fr. Size 284T, Georator P/N 18-4139; 25 H.P., 3 Phase, 60 Hz, 208V (+/-10%), 3 Wire, 1750 RPM (Nom.)
- 1.2 Input Current: 72 Amperes
- 1.3 Insulation: Class B -- Fungus Proof Varnish
- 1.4 Temperature Rise: 55°C
- 1.5 Duty: Continuous

**2.0 OUTPUT:**

- 2.1 Rating: 15 KVA, 100% PF, 3 Phase, 400 Hz (Nom.), 120/208V or 120V (Nom.)
- 2.2 Output Voltage, No Load: Approx. 125V (+/-2V) L-N
- 2.3 Output Frequency Tolerances: 420 Hz No Load to 410 Hz Min. @ Full Load
- 2.4 Output Current: 41.7/72 Amperes
- 2.5 Insulation: Class B, Mil-I-22834 – Insulation, Mil-V-1137 Varnish, Mil-V-173 Fungus Protecting Varnish
- 2.6 Duty: Continuous
- 2.7 Temperature Rise: 55°C
- 2.8 Dielectric Strength, Winding to Frame: 1500V for 1 Min.

**3.0 VIBRATION:** Within 0.0015

**4.0 BEARINGS:** Sealed Life-Time Lubricated Grease Per Mil-G-23827-A

**5.0 FINISH:**

- 5.1 Primer: Mod Alkyd Resin Red. Fed Std TT-P-664D
- 5.2 Paint: Light Grey Semi-gloss Per Mil-E-15090-B
- 5.3 Fasteners: Zinc Plated
- 5.4 Anti-seize Compound Per MIL-A-13881R

**6.0 WEIGHT:**

- 6.1 Net: 450 Lbs.
- 6.2 Shipping: 525 Lbs.

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