



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

Model No. 39-016  
 Type 75-A Vertical Frequency Converter - Back Iron Regulated

**1.0 INPUT:**

- 1.1 Motor: Siemens, Synduction, Stator And Rotor, Frame Size 280; 15 HP, 3 Phase, 60 Hz, 240/480V, 1200 RPM; Georator P/N 18-622.
- 1.2 Input Current: 56/28 Amperes
- 1.3 Insulation: Class B
- 1.4 Max. Ambient Temperature: 40 Degrees C
- 1.5 Duty: Continuous

**2.0 OUTPUT:**

- 2.1 Rating: 7.5 KVA, 80-100% PF, 3 Phase, 400 Hz., 115/200V Or 115V
- 2.2 Output Voltage, No Load; AC Values Before Regulation Rectification:
  - (A) Power Winding: Approx. 140 +-2V L-N
  - (B) Control Winding: Approx. 59 +-1V L-L
- 2.3 Output Frequency Tolerances: 400 Hz Exact (NL To FL)
- 2.4 Voltage Regulation: +-1.5% NL To FL
- 2.5 Voltage Adjustment: +-5%
- 2.6 Output Current Rating: 21.7/37.6 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 Bearings

**5.0 FINISH:**

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

**6.0 APPROXIMATE WEIGHT:**

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



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6.1 Net: 510 Lbs.  
6.2 Shipping: 610 Lbs.