



FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
MANASSAS, VIRGINIA 20110

Model No. 39-017-1
Type 75-A Vertical Frequency Converter - Back Iron Regulated

1.0 INPUT:

- 1.1 Motor: Siemens, Synduction, Stator And Rotor, FrameSize 280EE; 7.5 HP, 3 Phase, 60 Hz, 208V, 1200 RPM; Georator P/N 18-768.
- 1.2 Input Current: 35 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, 90% PF, 1 Phase, 400 Hz, 115V
- 2.2 Output Voltage, No Load; AC Values Before Regulation & Rectification:
 - (A) Power Winding: 144 +-2V
 - (B) Control Winding: 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: 43.4 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

5.0 FINISH:

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

6.0 APPROX. WEIGHT:

- 6.1 Net: 51 Lbs.
- 6.2 Shipping: 610 Lbs.

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