



FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
MANASSAS, VIRGINIA 20110

Model No. 39-008
Type 22-A Vertical Frequency Converter & Back Iron Regulator

1.0 INPUT:

- 1.1 Motor, Rotor & Stator: Reliance, Frame 254T, 10 H.P., 3 Phase, 60 Hz, 220/440V (+/- 110%), 1760 RPM; Georator P/N 18-310
- 1.2 Input Current: 30/15 Amperes
- 1.3 Insulation: Class B
- 1.4 Temperature Rise: 50 C
- 1.5 Duty: Continuous

2.0 OUTPUT:

- 2.1 Rating: 5.5 KVA Total, 0.8 To 1.0 PF, 2 Phase, 400 Hz (Nom.), 115V/115V $\pm 1.5\%$ (Phase B Regulated)
 - (A) 2.0 KVA, 0.8 To 1.0 PF, 400 Hz (Nom.), 115V, 90 degree Phase Angle
 - (B) 3.5 KVA, 0.8 To 1.0 PF, 400 Hz (Nom.), 115V $\pm 1.5\%$, 0 degree Phase Angle
- 2.2 Output Voltage, No Load: AC Values Before Regulation & Rectification:
 - (A) Power Winding: 144V +/- 1V Each Phase
 - (B) Control Winding: 59 VAC +/- 1V L-L
- 2.3 Output Frequency Tolerances: 420 Hz No Load To 410 Hz Full Load
- 2.4 Voltage Regulation: $\pm 1.5\%$ No Load To Full Load
- 2.5 Voltage Adjustment: +/- 5%
- 2.6 Output: Current Rating: 18/31.3 Amperes
- 2.7 Insulation: Class B
- 2.8 Temperature Rise: 65 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
- 5.1 Paint: Blue Hammertone Enamel

6.0 WEIGHT:

- 6.1 Net: 305 Lbs.
- 6.2 Shipping: 365 Lbs.

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