FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
MANASSAS, VIRGINIA 20110

Model No. 39-028
Type 37-A Vertical Frequency Converter - Back Iron Regulated

1.0 INPUT:

1.1 Motor: Stator & Rotor; Reliance, AC Induction, Frame 254T; To Rate at: 5 H.P., 3 Phase, 50 Hz, 220/380V, 6 Wire, 1465 RPM (Nom.); Georator P/N 18-449
1.2 Input Current At Full Load: 17.3/10 Amperes
1.3 Insulation: Class B
1.4 Maximum Ambient Temperature: 40°C
1.5 Duty: Continuous

2.0 OUTPUT:

2.1 Generator: Rating 3.0 kVA, 100% PF, 3 Phase, 400 Hz, 115/200V (Wye), Or 115V (Delta)
2.2 Output Voltage, No Load; AC Values Before Regulation & Rectification:
2.3 Power Winding: Approx., 148V ± 2V L-N
2.4 Control Winding: Approx., 60V ±2V L-L
2.5 Output Frequency Tolerance: 400Hz @ N.L. To 390Hz @ F.L.
2.6 Voltage Regulation: ±1.5% From N.L. to F.L.
2.7 Voltage Adjustment: ±5%
2.8 Output Current Rating: 8.7/15 Amperes
2.9 Insulation: Class B
2.10 Maximum Ambient Temperature: 40°C
2.11 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: Alkyd, Red Iron Oxide, Fed Std. TT-P-664D
5.2 Paint: Silver-Blue Enamel

6.0 APPROX. WEIGHT:

6.1 Net: 320 Lbs.
6.2 Shipping: 400 Lbs.

Rev. Letter	Date	Revision Description

ENGINEER	M.T.E.
APPROVED BY	May 26, 1998