FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
MANASSAS, VIRGINIA 20110

Model No. 39-025
Type 25-A Vertical Frequency Converter - Back Iron Regulated

1.0 INPUT:

1.1 **Motor:** Stator & Rotor; Induction, Frame 254T Reliance;
Rated: 15 H.P., 3 Phase, 60 Hz, 220/440V, 1750 RPM (Nom. At Full Load), Georator P/N 18-318
- 1.1.1 Input Current At Full Load: 40 / 20 Amperes
- 1.1.2 Insulation: Class B
- 1.1.3 Maximum Ambient Temperature: 40°C
- 1.1.4 Duty: Continuous

2.0 OUTPUT:

2.1 **Generator:** Rating 10.0 kVA, 0.8 to 1.0 PF, 3 Phase, 400 Hz (Nom.), 120/208V, Or 120V
- 2.1.1 Output Voltage, No Load; AC Values Before Regulation & Rectification:
  - (A) Power Winding: Approx., 144V ± 2V L-N
  - (B) Control Winding: Approx., 59V ±2V L-L
- 2.1.2 Output Frequency Tolerance: 420Hz N.L. to 410Hz Min. at F.L.
- 2.1.3 Voltage Regulation: ±1.5% From N.L. to F.L.
- 2.1.4 Voltage Adjustment: ±5%
- 2.1.5 Output Current Rating: 48 / 27.7 Amperes
- 2.1.6 Insulation: Class B
- 2.1.7 Maximum Ambient Temperature: 40°C
- 2.1.8 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: 530 Lbs.
6.2 Shipping: 620 Lbs.

Revision Letter	Date	Revision Description

ENGINEER	M.T.E.
APPROVED BY	August 5, 1997