FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION

MANASSAS, VIRGINIA 20110

Model No. 39-007

Type 38-A Vertical Frequency Converter & Back Iron Regulator

1.0 INPUT:

1.1 Motor, Rotor & Stator: Reliance, Frame 254T, Georator P/N 18-449; 7.5 H.P., 3 Phase, 50 Hz, 220/380V, 6 Wire, 1450 RPM (Nom.)
1.2 Input Current: 22.5/13 Amperes
1.3 Insulation: Class B
1.4 Max. Ambient Temperature: 40C
1.5 Duty: Continuous

2.0 OUTPUT:

2.1 Rating: 5.0 KVA, 80% PF, 3 Phase, 400 Hz (Nom.), 120/208V or 1 20V
2.2 Output Voltage, No Load; AC Values Before Regulation & Rectification:
A) Power Winding: Approx. 148 ±1V L-N
B) Control Winding: Approx. 60 +/-1V L-L

2.3 Output Frequency Tolerances: 400 Hz @ N.L. To 388 Hz @ F.L.
2.4 Voltage Regulation: +/-1.5% N.L. To F.L.
2.5 Voltage Adjustment: +/-5%
2.6 Output Current Rating: 24/13.9 Amperes
2.7 Insulation: Class B
2.8 Max. Ambient Temperature: 40C
2.9 Dielectric Strength, Winding To Frame: 1500V For 1 Min.
2.10 Output Phase Rotation: To Be 4-2-6 (ABC) With Input Connected A - T1, B - T2, C - T3

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 APPROXIMATE WEIGHT:

6.1 Net: 335 Lbs.

Revision Letter	Date	Revision Description

ENGINEER	M.T.E.
APPROVED BY	April 20, 1998