FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
MANASSAS, VIRGINIA 20110

Model No. 33-035

Type 21-A Vertical Frequency Converter

1.0 INPUT:

1.1 Motor: Reliance, Induction, Rotor & Stator, Frame 254T, Rated: 5 H.P., 3 Phase, 60 Hz., 220/440V (± 10%), 1760 RPM (Nom.), Georator P/N 18-309
1.2 Input Current: 15.2/7.6 Amperes
1.3 Insulation: Class B
1.4 Maximum Ambient Temperature: 50°C
1.5 Duty: Continuous

2.0 OUTPUT:

2.1 Rating: 3.5 kVA, 100% PF, 1 Phase, 400 Hz (Nom.), 115V (Nom.)
2.2 Output Voltage, No Load: 124V ± 1V L-N
2.3 Output Frequency Tolerances: 420 Hz N.L. To 410 Hz Minimum At F.L.
2.4 Voltage Regulation: 10% Max. At 100% P.F.
2.4 Output Current Rating: 30.4 Amperes
2.5 Insulation: Class B
2.6 Duty: Continuous
2.7 Maximum Ambient Temperature: 50°C
2.8 Dielectric Strength, Winding To Frame: 1500V For 1 Minute

3.0 VIBRATION: Balance Rotor Within 0.0015

4.0 BEARINGS: Shielded Life Time Lubricated Motor Bearings5.0

5.0 FINISH:

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

6.0 APPROXIMATE WEIGHT:

6.1 Net: 215 Lbs.
6.2 Shipping: 265 Lbs.

Revision Letter	Date	Revision Description

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