



FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
 MANASSAS, VIRGINIA 20110

Model No. 33-161
 Type 24-A Vertical Frequency Converter

1.0 INPUT:

- 1.1 Motor: Reliance Stator & Rotor, Fr. Size 254T, Georator P/N 18-318; 15/12.5 H.P., 3 Phase, 60/50 Hz, 220/440V @ 60 Hz--380V @ 50 Hz, 1760/1460 RPM (Nom.)
- 1.2 Input Current: 40/20 Amperes @ 60 Hz, 20 Amperes @ 380V, 50 Hz
- 1.3 Insulation: Class B
- 1.4 Temperature Rise: 65°C
- 1.5 Insulation: Class B
- 1.6 Duty: Continuous
- 1.7 Service Factor: 1.15

2.0 OUTPUT:

- 2.1 Rating: 7.5/6.3 KVA, 100% P.F., 1 Phase, 410/340 Hz (Nom.), 115V (Nom.)--Taps for Voltage at each Input Frequency
- 2.2 Output Voltage, No Load: Term. 1-2 125V +/-1V @ 60 Hz Input Term. 1-3 1 25V +/-1V @ 50 Hz Input
- 2.3 Output Frequency Tolerance: @ 60 Hz Input--- 420 Hz @ NL to 410 Hz Min. @ FL
 @ 50 Hz Input--- 350 Hz @ NL to 340 Hz Min. @ FL
- 2.4 Output Current: @ 60 Hz Input---65.2 Amperes
 @ 50 Hz Input---54.8 Amperes
- 2.5 Insulation: Class B
- 2.6 Temperature Rise: 65°C
- 2.7 Duty: Continuous
- 2.8 Service Factor: 1.15
- 2.9 Dielectric Strength, Winding to Frame: 1500V for I Min.

3.0 VIBRATION: Within 0.0015

4.10 BEARINGS: Shielded Lubricated for Life Ball Bearings

5.0 FINISH:

- 5.1 Primer: Primer: Alkyd, Red Iron Oxide, Fed Std. TT-P-664D
- 5.2 Paint: Silver-Blue Enamel
- 5.3 Fasteners: Zinc Plated

6.0 APPROXIMATE WEIGHT:

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



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6.1 Net: 374 Lbs.

6.2 Shipping: