FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
MANASSAS, VIRGINIA 20110

Model No. 33-163
Type 25-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 Max. Ambient Temperature: 50°C
1.5 Insulation: Class B
1.6 Duty: Continuous
1.7 Service Factor: 1.15

2.0 OUTPUT:

2.1 Rating: 10/8.3 KVA, 100% P.F., 1 Phase, 410/340 Hz (Nom.), 230V (Nom.)--Taps for Voltage at each Input Frequency
2.2 Output Voltage, No Load: Term. 1-2 248V +/-2V @ 60 Hz Input Term. 1-3 248V +/-2V @ 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 --- 43.5 Amperes
@ 50 Hz Input --- 36 Amperes
2.5 Insulation: Class B
2.6 Max. Ambient Temperature: 50°C
2. 7 Duty: Continuous
2.8 Service Factor: 1.15
2.9 Dielectric Strength, Winding to Frame: 1500V for 1 Min.

3.0 VIBRATION: Within 0.0015

4.0 BEARINGS: Shielded Lubricated for Life Ball Bearings

5.0 FINISH:

5.1 Primer: Modified Alkyd Resin, 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

6.1 Net: 450 Lbs.
6.2 Shipping: