FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
MANASSAS, VIRGINIA 20110

Model No. 33-165
Type 24-A Vertical Frequency Converter

1.0 INPUT:

1.1 **Motor:** Reliance Rotor & Stator; 15/12.5 HP, 3-Phase, 60/50 Hz, 220/440V @ 60Hz.; 380V @ 50Hz, 1760/1460 RPM (Nom.), Georator P/N 18-318.
1.2 Input Current At Full Load: 40.0/20.0 Amperes @ 60Hz., 20.0 Amperes @ 50Hz
1.3 Insulation: Class B
1.4 Temperature Rise: 65 Deg. C.
1.5 Design: B
1.6 Duty: Continuous
1.7 Service Factor: 1.15

2.0 OUTPUT:

2.1 **Generator:** Permanent Magnet, 7.5/6.3 kVA, 100% P.F., 1-Phase, 410/340 Hz Nom, 230V (Nom.); Taps for Voltage @ 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: @ 60 Hz Input; 420 Hz N.L. to 410 Hz Min. @ F.L.
@ 50 Hz Input; 350 Hz @ N.L. to 340 Hz Min. @ F.L.
2.4 Output Curent: @ 60 Hz Input; 32.6 Amperes
@ 50 Hz Input; 27.4 Amperes
2.5 Insulation: Class B
2.6 Temperature Rise: 65 Deg. C
2.7 Duty: Continuous
2.8 Service Factor: 1.15
2.9 Dielectric Strength: Winding to Frame 1500V for 1 Minute

3.0 VIBRATION:

3.1 Within .0015 Inches

4.0 BEARINGS:

4.1 Shielded - Life Time Lubricated

Revision Letter	Date	Revision Description

ENGINEER	F.L.
APPROVED BY	June 7, 1983