



FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
 MANASSAS, VIRGINIA 20110

Model No. 30-006A
 Type 14-A Unit Shell Frequency Converter

1.0 INPUT:

- 1.1 Motor: Peerless Stator & Rotor: 1.1/0.9 H.P., 3 Phase, 60/50 Hz, 208-220/440V @ 60 Hz - 380V @ 50 Hz +-10%, 3520/2900 RPM F.L., Induction type Georator P/N 18-006
- 1.2 Input Current: 5.2/2.6 Amperes @ 60 Hz, 2.6 Amperes @ 50 Hz
- 1.3 Insulation: Class B
- 1.4 Max. Ambient Temperature: 50 Degrees C
- 1.5 Duty: Continuous

2.0 OUTPUT:

- 2.1 Rating: 0.5/0.4 KVA, 100% P.F, 1 Phase, 410/342 Hz, 270V (Nom.) - taps for 60/50 Hz source use
- 2.2 Output Voltage, No Load: 283 +-3V L-N (taps for 60/50 Hz source)
- 2.3 Output Frequency Tolerance: 420 Hz No Load to 408 Hz Min. Full Load 60 Hz source 350 Hz No Load to 342 Hz Min. Full Load 50 Hz source
- 2.4 Output Current: 1.8 Amperes with 60 Hz source 1.5 Amperes with 50 Hz source
- 2.5 Insulation: Class B
- 2.6 Max. Ambient Temperature: 50 Degrees C
- 2.7 Duty: Continuous
- 2.8 Dielectric Strength, Winding to Frame: 1500V for 1 minute

3.0 VIBRATION: Within 0.001

4.0 BEARINGS: Shielded Life Time Lubricated

5.0 FINISH:

- 5.1 Primer: Iridite
- 5.2 Paint: Silver-Blue Enamel
- 5.3 Fasteners: Zinc-Plated

6.0 APPROX. WEIGHT:

- 6.1 Net: 51 Lbs.
- 6.2 Shipping: 64 Lbs.

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