



FREQUENCY CONVERTER SPECIFICATION GEORATOR CORPORATION

MANASSAS, VIRGINIA 20110

Model No. 30-003

Type 18-A Unit Shell Frequency Converter

1.0 INPUT:

- 1.1 Motor: Stator & Rotor: 1.5 H.P., 1 Phase, 60 Hz, 115/230V, 1760 RPM (Nom.), Capacitor Start Induction Run, Georator P/N 18-010-1-B
- 1.2 Input Current: 24/12 Amperes
- 1.3 Insulation: Class B
- 1.4 Max. Ambient Temperature: 50 Degrees C
- 1.5 Duty: Continuous

2.0 OUTPUT:

- 2.1 Rating: 1.00 KVA, 100% P.F, 1 Phase, 400 Hz Nom., 115V (Nom.)
- 2.2 Output Voltage, No Load: $124 \pm 1V$
- 2.3 Output Frequency Tolerance: 420 Hz @ No Load to 408 Hz Min. @ Full Load
- 2.4 Output Current: 8.7 Amperes
- 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: Modified Alkyd Resin, Fed Std. TT-P-664D
- 5.2 Paint: Silver-Blue Enamel
- 5.3 Fasteners: Zinc-Plated

6.0 APPROX. WEIGHT:

- 6.1 Net: 116 Lbs.
- 6.2 Shipping: 146 Lbs.

Rev. Letter	Date	Revision Description
A	2-2-04	Shaft Assembly size has been changed from 14-025-2 to 14-025-3; Vender for the motor stator has been changed from Reliance to Baldor.
ENGINEER	JWC	
APPROVED BY		05/06/2005