



**FREQUENCY CONVERTER SPECIFICATION**  
**GEORATOR CORPORATION**  
MANASSAS, VIRGINIA 20110

**Model No. 30-020**

1.0 INPUT:

- 1.1 **Motor:** Reliance Rotor & Stator; 3.0 HP, 3-Phase, 60 Hz, 208-220/440V, 1750 RPM (Nom.), Georator P/N 18-034-R
- 1.2 Input Current At Full Load: 9.8/4.9 Amperes Approx.
- 1.3 Insulation: Class B
- 1.4 Maximum Ambient Temperature: 50 Deg. C.
- 1.5 Duty: Continuous

2.0 OUTPUT:

- 2.1 **Generator:** Permanent Magnet, 2.0 kVA, 100% P.F., 3-Phase, 400 Hz Nom, 115/200V or 115V (Nom.)
- 2.2 Output Voltage - No Load: 124V +/-1V L-N
- 2.3 Output Frequency: 420 Hz Nominal @ N.L. to 408 Hz Min. @ F.L.
- 2.4 Output Current: 5.8/10.0 Amps
- 2.5 Insulation: Class B
- 2.6 Maximum Ambient Temperature: 50 Deg. C
- 2.7 Duty: Continuous
- 2.8 Dielectric Strength: Winding to Frame 1500V for 1 Minute

3.0 VIBRATION:

- 3.1 Within .001 Inches

4.0 BEARINGS:

- 4.1 Shielded - Life Time Lubricate

5.0 FINISH:

- 5.1 Primer: Modified Alkyd Resin, Fed Std. TT-P-664D
- 5.2 Paint: Silver-Blue Enamel
- 5.3 Fasteners: Steel, Zinc Plated

6.0 APPROX. WEIGHT:

- 6.1 Net: 127 Lbs.
- 6.2 Shipping 160 Lbs.

Revision Letter	Date	Revision Description
A	6-24-68	Changed Outline Dwg
B	10-8-87	Added Sections 2.2 & 2.3
C	12-18-92	Changed Motor from Peerless
D	6-26-03	Line 2.3 - Added Nominal to 420 Hz; FL was 410 Hz Min
ENGINEER		J.M.
APPROVED BY		January 6, 1993