



FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
MANASSAS, VIRGINIA 20110

Model No. 39-014
Type 75-A Vertical Frequency Converter - Back Iron Regulated

1.0 INPUT:

- 1.1 Motor, Synduction, Frame Size 280; 15 HP, 3 Phase, 60 Hz, 220/440V, 1200 RPM;
- 1.2 Input Current: 66/33 Amperes
- 1.3 Insulation: Class B
- 1.4 Max. Ambient Temperature: 40 Degrees C
- 1.5 Duty: Continuous

2.0 OUTPUT:

- 2.1 Rating: 10 KVA, 80% PF, 3 Phase, 400 Hz, 120/208V Or 120V.
- 2.2 Output Voltage, No Load; AC Values Before Regulation & Rectification:
 - (A) Power Winding: Approx. 157 +/- 2V L-N
 - (B) Control Winding: Approx. 83 +/- 2V L-L
- 2.3 Output Frequency Tolerances: 400 Hz Exact (NL To FL)
- 2.4 Voltage Regulation: +/- 1.5% NL To FL
- 2.5 Voltage Adjustment: +/- 5%
- 2.6 Output Current Rating: 48/27.8 Amperes
- 2.7 Insulation: Class B
- 2.8 Max. Ambient Temperature: 40 Degrees C
- 2.9 Dielectric Strength, Winding To Frame: 1500V For 1 Min.

3.0 VIBRATION: Within 0.0015

4.0 BEARINGS: Shielded, Extended Life, Lubricated 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 APPROX. WEIGHT:

- 6.1 Net: 510 Lbs
- 6.2 Shipping: 610 Lbs

| Rev. Letter | Date | Revision Description |
|-------------|------------|--|
| C | 08/25/03 | RETYPEDE DELETING SIEMENS AS MOTOR VENDOR. |
| -- | 2/22/89 | |
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| ENGINEER | John Rahaw | |
| APPROVED BY | 05/06/2005 | WKH |