



FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
 MANASSAS, VIRGINIA 20110

Model No. 39-019
 Type 25-A Vertical Frequency Converter - Back Iron Regulated

1.0 INPUT:

- 1.1 Motor: Reliance, Induction, Stator And Rotor, Frame Size 284T; 25 HP, 3 Phase, 60 Hz, 575V, 3 Wire, 1750 RPM: Georator P/N 18-676
- 1.2 Input Current: 25 Amperes
- 1.3 Insulation: Class B
- 1.4 Max. Ambient Temperature: 40 Degrees C
- 1.5 Duty: Continuous

2.0 OUTPUT:

- 2.1 Rating: 15 KVA, 80% To 100% PF, 3 Phase, 400 Hz (Nom.), 120/208V Or 120V.
- 2.2 Output Voltage, No Load; AC Values Before Regulation & Rectification:
 - (A) Power Winding: Approx. 144 +2V L-N
 - (B) Control Winding: Approx. 59 +2V L-L
- 2.3 Output Frequency Tolerances: 420 Hz @ NL To 410 Hz(Minimum) @ FL
- 2.4 Voltage Regulation: +-1.5% NL To FL
- 2.5 Voltage Adjustment: +-5%
- 2.6 Output Current Rating: 41.6/72 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 Life Time Lubricated Bearings

5.0 FINISH:

- 5.1 Primer: Modified Alkyd Resin Red fed std TT-P664D
- 5.2 Paint: Silver-Blue Enamel
- 5.3 Fasteners: Zinc Plated

6.0 APPROXIMATE WEIGHT:

- 6.1 Net: 530 Lbs.
- 6.2 Shipping: 620 Lbs.

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