FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION

MANASSAS, VIRGINIA 20110

Model No. 39-020

Type 25-A Vertical Frequency Converter - Back Iron Regulated

1.0 INPUT:

1.1 Motor: Reliance, Induction, Stator And Rotor-, Frame Size 254T; 15 HP, 3 Phase, 60 Hz, 220/440V, 1750 RPM: Georator P/N 18-318
1.2 Input Current: 40/20 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% To 100% PF, 1 Phase, 400 Hz (Nom.), 115V
2.2 Output Voltage, No Load; AC Values Before Regulation & Rectification:
(A) Power Winding: Approx. 143V +-2V
(B) Control Winding: Approx. 59V +-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: 87 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: Alkyd, Red Iron Oxide, Fed Std. #TT-P-664D
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