FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
MANASSAS, VIRGINIA 20110

Model No. 39-017
Type 75-A Vertical Frequency Converter - Back Iron Regulated

1.0 INPUT:

1.1 Motor: Synduction, Stator And Rotor, Frame Size 280EE; 7.5 HP, 3 Phase, 60 Hz, 220/440V, 1200 RPM Georator P/N 18-630.
1.2 Input Current: 32/16 Amperes
1.3 Insulation: Class B
1.4 Max. Ambient Temperature: 40 Degrees C
1.5 Duty: Continuous

2.0 OUTPUT:

2.1 Rating: 5.0 KVA, 90% PF, 1 Phase, 400 Hz, 115/230V
2.2 Output Voltage, No Load; AC Values Before Regulation & Rectification:
(A) Power Winding: 145 +-2V Each Coil
(B) Control Winding: 59 +-1V 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: 43.4/21.7 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: 510 Lbs.
6.2 Shipping: 610 Lbs.

Revision Letter	Date	Revision Description

ENGINEER	M.T.E.
APPROVED BY	April 20, 1998