FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
MANASSAS, VIRGINIA 20110

Model No. 39-021

Type 25-A Vertical Frequency Converter - Back Iran Regulated
Militarized w/Drip-Proof Construction

1.0 INPUT:

1.1 Motor: Reliance, Induction, Stator And Rotor, Frame Size 286T; 30 HP, 3 Phase, 60 Hz, 220/440V, 1750 RPM; Georator P/N 18-547
1.2 Input Current: 78/39 Amperes
1.3 Insulation: Class B
1.4 Max. Ambient Temperature: 80 Degrees C
1.5 Duty: Continuous

2.0 OUTPUT:

2.1 Rating: 18.75 KVA, 16.87 KW, 90% 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. 148 +-2V L-N
(B) Control Winding: Approx. 61 +-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: 90/52 Amperes
2.7 Insulation: Class B
2.8 Max. Ambient Temperature: 40 Degrees C
2.9 Dielectric Strength, Winding To Frame: 1500V For I 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: Forest Green Lusterless Gloss Per Mil-E-22798
5.3 Fasteners: Zinc Plated

6.0 APPROXIMATE WEIGHT:

6.1 Net: 590 Lbs.
6.2 Shipping: 680 Lbs.

Rev. Letter	Date	Revision Description

ENGINEER	
APPROVED BY	05/06/2005