



FREQUENCY CONVERTER SPECIFICATION
GEORATOR CORPORATION
 MANASSAS, VIRGINIA 20110

Model No. 33-195

Type 61-A Vertical Frequency Converter

1.0 INPUT:

- 1.1 Motor, Rotor & Stator: Reliance, Frame 256-T, Georator P/N 18-556; 20 H.P., 3 Phase, 50 Hz, 220/380V ($\pm 10\%$), 1450 RPM (Nom.)
- 1.2 Input Current: 57/33 Amperes
- 1.3 Insulation: Class B – Tropical Winding
- 1.4 Max. Ambient Temperature: 50°C
- 1.5 Duty: Continuous

2.0 OUTPUT:

- 2.1 Rating: (A) 10.0 KVA, 100% P.F., 3 Phase, 400 Hz (Nom.), 115/200V or 115V (Nom.)
 (B) 1.0 KVA, 100% P.F., 1 Phase, 400 Hz (Nom.), 26V $\pm 1V$ @ F.L.
- 2.2 Output Voltage, No Load: (A) 124V $\pm 1V$ L-N
 (B) Approx. 29V AC
- 2.3 Output Frequency Tolerances: 400 Hz N.L. To 390 Hz Min. @ F.L.
- 2.4 Output Current: (A) 50/29 Amperes (B) 38.5 Amperes
- 2.5 Insulation: Class B -- Tropical Winding
- 2.6 Max. Ambient Temperature: 50°C
- 2.7 Dielectric Strength, Winding To Frame: 1500V For 1 Minute.

3.0 VIBRATION: Within 0.0015

4.0 BEARINGS: Shielded Life Time Lubricated Motor Bearings

5.0 FINISH:

- 5.1 Primer: Modified Alkyd Resin, FED STD TT-P-664D
- 5.2 Paint: Silver-Blue Enamel

6.0 APPROX. WEIGHT:

- 6.1 Net: 280 Lbs.
- 6.2 Shipping: 350 Lbs.

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