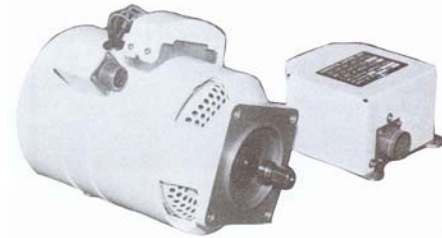


**DATA SHEET**
**SPECIFICATIONS**
**MODEL #5240  
AC GENERATOR  
10 KVA - 12,000 RPM**

<b>VOLTAGE:</b>	115/200 VAC
<b>PHASES:</b>	THREE
<b>FREQUENCY:</b>	400 HERTZ
<b>POWER FACTOR:</b>	0.75 LAG TO UNITY
<b>VOLTAGE REGULATION:</b>	112.5-117.5 VAC
<b>SPEED RANGE:</b>	10,800-13,200 RPM
<b>OVERSPEED:</b>	15,000 RPM
<b>CONTINUOUS RATING:</b>	10 KVA
<b>OVERLOADS:</b>	15 KVA 2.0 MINUTES 20.0 KVA 5.0 SECONDS 3/UNIT SHORT CIRCUIT CURRENT
<b>EFFICIENCY:</b>	83% AT RATED LOAD



<b>COOLING: AMBIENT:</b>	INTERNAL FAN -55°C TO +71°C
<b>WEIGHT:</b>	GENERATOR 20.9 LBS CONTROL UNIT 1.6 LBS
<b>PROTECTIVE FUNCTIONS:</b>	OVERVOLTAGE UNDERVOLTAGE UNDER FREQUENCY PHASE ROTATION CURRENT LIMIT
<b>COMPLIANCE:</b>	MIL-G-21480/16A MIL-E-5272 MIL-E-5400 MIL-STD-454 MIL-STD-461 MS-33543

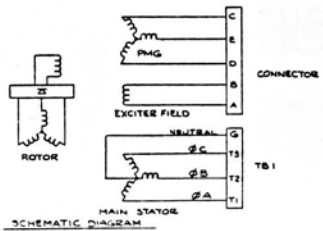
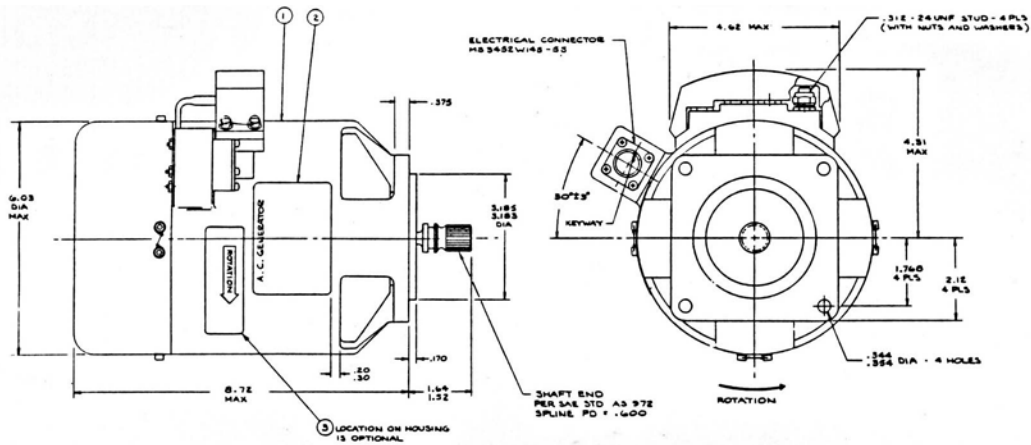
**DESCRIPTION**

Model 5240 Electrical Power Generator System consists of an AC generator and a generator control unit. The 400 hertz, alternating current, three phase, four wire generator is a self excited, self cooled, brushless design.

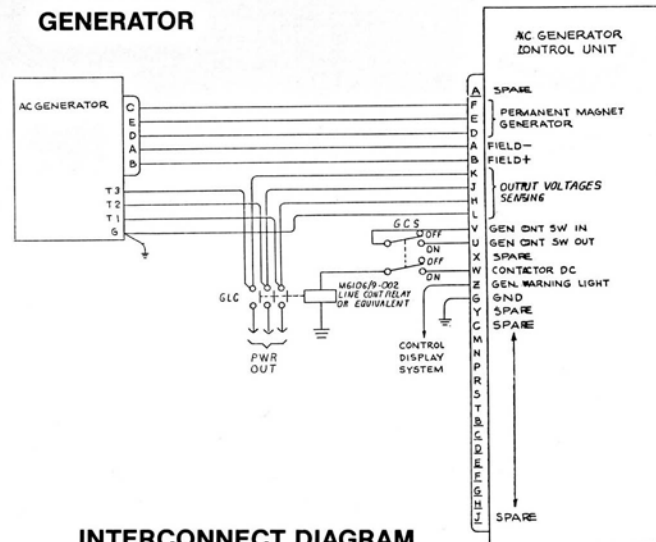
The machine incorporates a permanent magnet generator (PMG) and an exciter generator for self-excitation and output voltage regulation.

The generator control unit (GCU) provides system output monitoring and voltage regulation. The GCU also provides the protective functions listed, and controls the system power contactor.

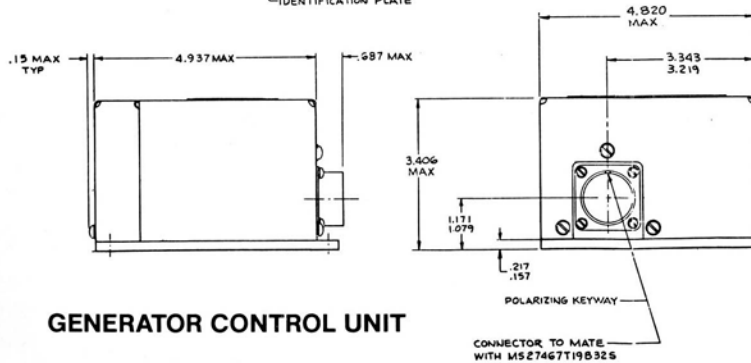
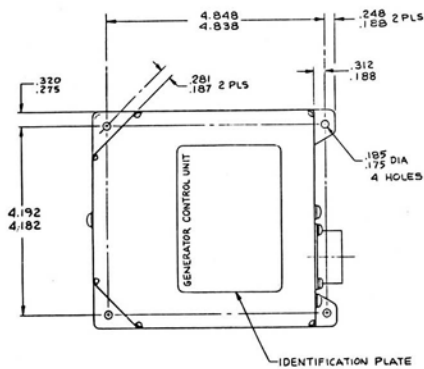
**OUTLINE DETAILS**



**GENERATOR**



**INTERCONNECT DIAGRAM**



**GENERATOR CONTROL UNIT**