

DATA SHEET
SPECIFICATIONS
**MODEL #5498
AC GENERATOR (USED WITH
MODEL 5256 GCU)
7 KVA - 12,000 RPM**

VOLTAGE:	115/200 VAC
PHASE:	THREE
FREQUENCY:	400 HZ
POWER FACTOR:	0.75 LAG TO UNITY
REGULATION:	±2.5V
SPEED RANGE:	11,400-13,200 RPM
OVERSPEED:	15,000 RPM FOR 1 HOUR
CONTINUOUS RATING:	7 KVA
OVERLOADS:	10.5 KVA 2.0 MINUTES 14.0 KVA 5.0 SECONDS 3 PER UNIT SHORT CIRCUIT CURRENT
EFFICIENCY:	73% MIN – RATED LOAD



COOLING:	SELF-VENTILATED
AMBIENT:	INTERNAL FAN -55°C TO +70°C
ALTITUDE:	0 TO 50,000 FT
LIFE:	2,000 HOURS
WEIGHT:	GEN - 16.5 LBS, MAX
PROTECTIVE FUNCTIONS:	OVERVOLTAGE UNDERVOLTAGE UNDER FREQUENCY FEEDER FAULT
COMPLIANCE:	MIL-STD-704D

DESCRIPTION

Model 5498 Electrical Power Generator System comprises an AC generator and a generator control unit. The generator is a brushless, wound field, synchronous AC type with a separate 500 VA permanent magnet generator (PMG) section which supplies increased independent power for off-shore applications. In addition the PMG and integrated exciter, provide self-excitation, brushless operation and precise output voltage control. The separately packaged generator control unit (GCU) contains the PMG rectifier, main field regulator and aircraft bus contactor drivers. The protective functions are also built into this control unit.

OUTLINE DETAILS