



AC Generator Model 5498

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.



Specifications

Voltage:

115/200 VAC

Frequency:

400 HZ

Speed Range:

11,4000 to 13,200 RPM

Weight:

16.5 lbs

Overspeed:

15,000 RPM for 1 hour

Life:

2000 hours

Efficiency:

73% @ minimum rated load

Altitude:

0 to 50,000 ft

Rating:

7.0 KVA

Regulation:

+/- 2.5 V

Cooling:

Self-ventilated internal fan

Compliance:

MIL-STD-704D

Ambient:

-55C to 70 C

Power factor:

.75 LAG to unity

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