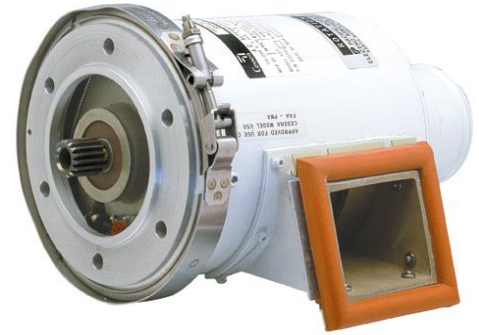


AC Generator Model 5211

Model 5211 consists of an AC generator, a QAD mounting kit and a PCU. The alternator is a brushless, wound field synchronous unit, whose excitation is provided by the aircraft DC power.

The PCU monitors the system output power and regulates the voltage. The output frequency varies with operating speed. The power from the generator is used to energize a heating element located in the leading edge of the aircraft horizontal stabilizer.



Specifications

Voltage:

115/200 VAC

Speed Range:

6000 to 12,000 RPM

Overspeed:

13,000 RPM

Efficiency:

89% @ rated load

Rating:

5 KVA continuous

Cooling:

Internal fan

Ambient:

-50 C to 55 C

Altitude:

0 to 22,000 ft

Frequency:

200 - 400 HZ

Weight:

23.15 lbs

Regulation:

115 +/- 3.5 VAC

Compliance:

MIL-STD-462

MIL-STD-810C

MIL-STD-461A

FAR Part 35

FAR Part 37

Overload:

7.5 KVA for 5 mins

Power factor:

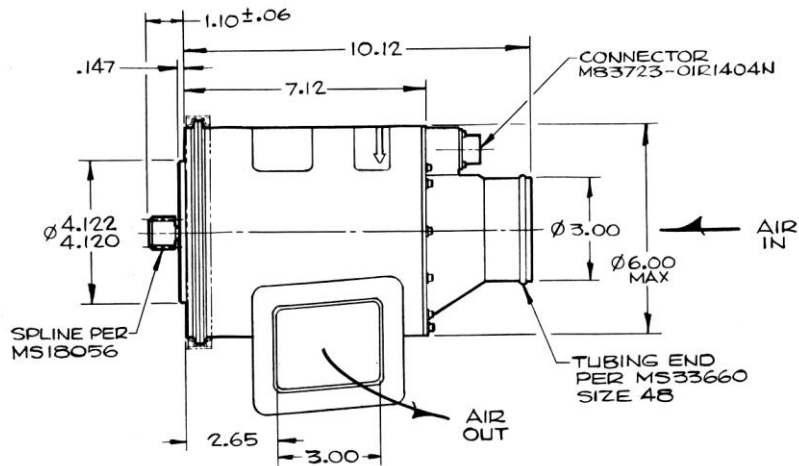
.95 LAG to unity

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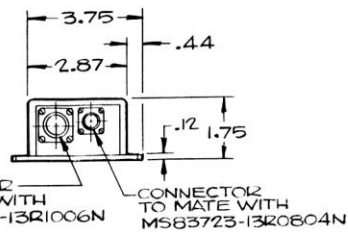
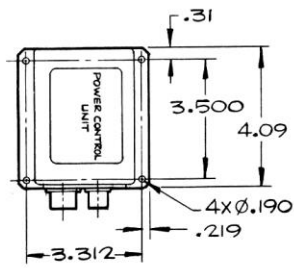
Our product competencies and services:
Permanent magnet alternators | Permanent magnet generators | AC/DC brushless starter generators | Aircraft light dimmers
Power supplies | Magnetics | Sensors | Meters

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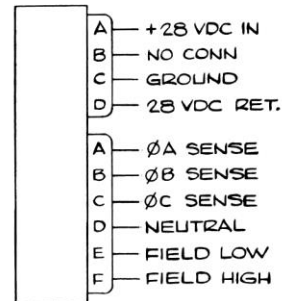
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ALTERNATOR



REGULATOR



ELECTRICAL SCHEMATIC