



Permanent magnet alternator

Model 5590

Model 5590 provides electrical power for a FADEC system used on the PW308A, a Pratt & Whitney Canada commercial aircraft engine.

The rotor is a sleeved, segmented unit employing high energy magnets. The stator comprises epoxy bounded laminations and dual redundant three phase windings. A stainless steel housing locates the stator and interfaces with the mounting pad. The alternator is gear driven from an engine accessory box.

Specifications

Overspeed:

16,759 RPM for 1 minute

Weight:

2.22 lbs

Ambient:

-54 C to 177 C

Altitude:

0 to 50,000 ft

Cooling:

Convection / conduction

Compliance:

MIL-STD-461B

Electrical:

Dual redundant isolated 3 phase WYE windings with 5 redundant single phase speed windings

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