

AC Generator Model 5422

Model 5422 is a custom designed permanent magnetic generator that provides electrical power over a wide speed range for a FADEC system used on a business jet engine. The rotor is a sealed segmented unit employing a high energy magnet. The specially epoxied coated stator laminations and windings are held in place by a stainless steel housing designed for engine pad mounting. The generator shares a common shaft for a hydraulic pump and is driven from an engine accessory gear box.



Specifications

Overspeed:

13,513 RPM for 1 minute

Weight:

3.75 lbs

Ambient:

-54 C to 177 C

Altitude:

0 to 50,000 ft

Cooling:

Oil bath

Compliance:

MIL-STD-461B

MIL-STD-462

MIL-STD-810D

MIL-STD-704D

Electrical:

Two redundant and isolated 3 phase
WYE windings

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