

DATA SHEET
SPECIFICATIONS
**MODEL #5422
AC GENERATOR**
**DC CHARACTERISTICS WHEN RECTIFIED VIA A 3
PHASE FULL BRIDGE RECTIFIER:**

RPM	VOLTAGE	AMPERES
5,856	23	5A
11,261	73	NO LOAD

OVERSPEED: 13,513 FOR 1 MIN.

ELECTRICAL: TWO REDUNDANT AND ISOLATED 3 PHASE WYE WINDINGS

WEIGHT: ROTOR 0.65 LBS.
STATOR 3.1 LBS.

TEMPERATURE: -65°F TO 350°F

COOLING: OIL BATH

ALTITUDE: 0 TO 50,000 FT.

COMPLIANCE: MIL-STD-461B
MIL-STD-462
MIL-STD-810D
MIL-STD-704D


DESCRIPTION

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 high energy magnets. 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.

OUTLINE DETAILS