

DATA SHEET
SPECIFICATIONS
**MODEL #5618
PERMANENT MAGNET ALTERNATOR**
LOAD/SPEED CHARACTERISTICS

RPM	VOLTAGE	LOAD
FADEC: 2,674	25.5 V _{L-L} MIN	2.8 A MIN
28,345	460 V _{L-L} MAX	OPEN CIRCUIT
SPEED: 28,345	60.0 V MAX	OPEN CIRCUIT
IGNITION: 2,674	23.0 V MIN	1.9 A MIN

(photo pending)

OVERSPEED: 28,345 RPM

ELECTRICAL: DUAL REDUNDANT
3 PHASE WYE WINDINGS
SINGLE PHASE SPEED AND
IGNITION
WINDINGS

WEIGHT: ROTOR 1.75 LBS MAX
STATOR 6.50 LBS MAX

TEMPERATURE: -65 F TO 350 F

COOLING: CONVECTION/CONDUCTION

ALTITUDE: 0 TO 50,000 FT.

COMPLIANCE: MIL-STD-461B

DESCRIPTION

Model 5618 provides electrical power for a FADEC system used on the General Electric F404 engine. The alternator comprises a rotor and stator set.

The rotor is a sleeved unit employing high energy product magnets. The stator comprises epoxy-bonded laminations and features dual, wye-connected three phase windings. An aluminum housing locates the stator and interfaces with the mounting pad.

The alternator is gear driven from an engine accessory gear box.

OUTLINE DETAILS

