

**DATA SHEET**
**SPECIFICATIONS**
**MODEL #5492  
PERMANENT MAGNET AC  
ALTERNATOR**
**LOAD/SPEED CHARACTERISTICS**

<b>RPM</b>	<b>VOLTAGE</b>	<b>LOAD</b>
9,145	34 VDC	3.9 ADC MIN
9,145	65.8 VAC MAX	NO LOAD
14,914	34 VDC	5.9 ADC
14,914	SHORT CIRCUIT	7.5 ADC MAX

**OVERSPEED:** 16,884 RPM

**ELECTRICAL:** 3 PHASE WYE WINDING

**WEIGHT:** ROTOR 0.50 LBS MAX  
STATOR 1.35 LBS MAX

**TEMPERATURE:** -65°F TO 350°F

**COOLING:** CONVECTION/COOLING

**ALTITUDE:** 0 TO 50,000 FT.

**COMPLIANCE:** MIL-STD-461B


**DESCRIPTION**

Model 5492 provides electrical power for a FADEC system used on the PW PT6, a Pratt & Whitney Canada engine used for the JPATS trainer.

The rotor is a sleeved unit employing high energy product magnets. The stator comprises epoxy-bonded laminations and a wye connected three phase winding. A cast aluminum housing locates the stator and interfaces with the mounting pad.

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

**OUTLINE DETAILS**