

DATA SHEET
SPECIFICATIONS
**MODEL #5605
PERMANENT MAGNET
ALTERNATOR**
LOAD/SPEED CHARACTERISTICS

RPM	VOLTAGE	LOAD
5,630	34.0 VDC (MIN)	3.60 ADC (MIN)
11,261	123.0 VAC (MAX)	NO LOAD
11,261	SHORT CIRCUIT	4.90 AAC (MAX)

OVERSPEED: 13,513 RPM for 1 MINUTE

**WINDINGS:
ELECTRICAL** DUAL / REDUNDANT
3 PHASE WYE WINDINGS

COOLING: CONVECTION/CONDUCTION

AMBIENT: -65°F TO 350°F

ALTITUDE: 0 TO 50,000 FT

WEIGHT: ROTOR 0.65 LBS MAX
STATOR 2.50 LBS MAX

COMPLIANCE: MIL-STD-461B
RTCA-DO-160D

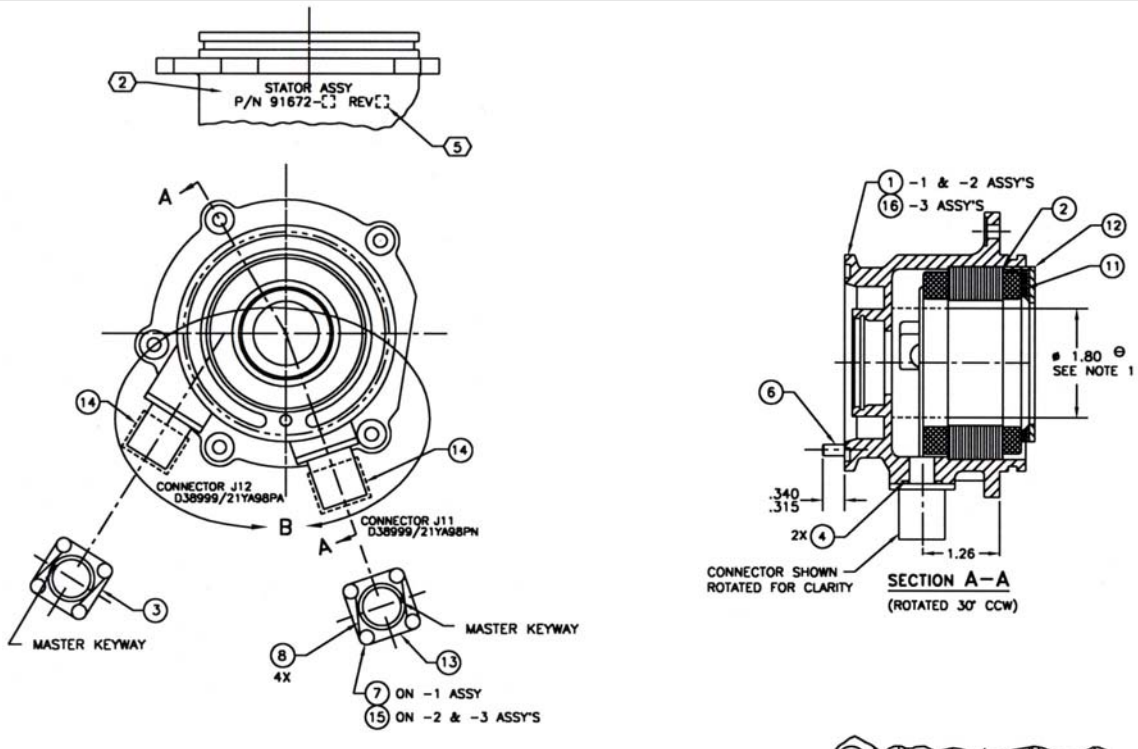

DESCRIPTION

Model 5605 provides electrical power for a FADEC system used on the PW306B, a Pratt & Whitney Canada commercial aircraft engine.

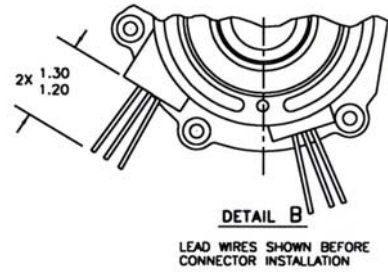
The rotor is a sleeved unit employing high energy product magnets. The stator comprises epoxy-bonded laminations and two, three phase windings. A cast titanium housing locates the stator and interfaces with the mounting pad.

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

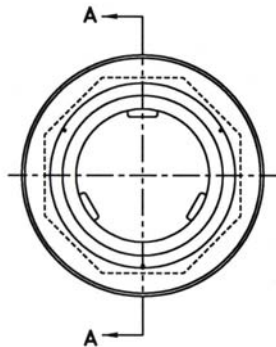
OUTLINE DETAILS



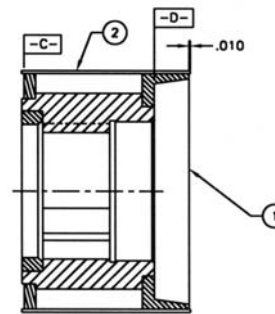
STATOR / HOUSING ASSEMBLY



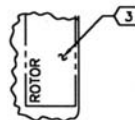
DETAIL B



ROTOR ASSEMBLY



SECTION A-A



MODEL 5605