

DATA SHEET
SPECIFICATIONS
**MODEL #5577
PERMANENT MAGNET
ALTERNATOR**

LOAD/SPEED CHARACTERISTICS		
RPM	VOLTAGE	LOAD
16,000	36.8 VDC (MIN)	2.10 ADC (MIN)
16,000	41.0 VAC (MAX)	NO LOAD
26,400	105.0 VDC (MAX)	NO LOAD



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

COOLING: CONVECTION/CONDUCTION

AMBIENT: -65°F TO 275°F

ALTITUDE: 0 TO 50,000 FT

WEIGHT: 1.80 LBS MAX

COMPLIANCE: MIL-STD-461B

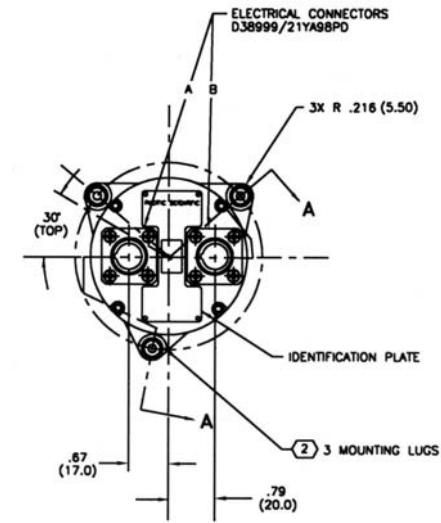
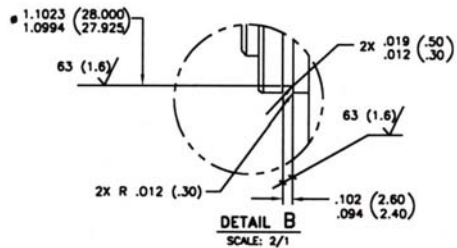
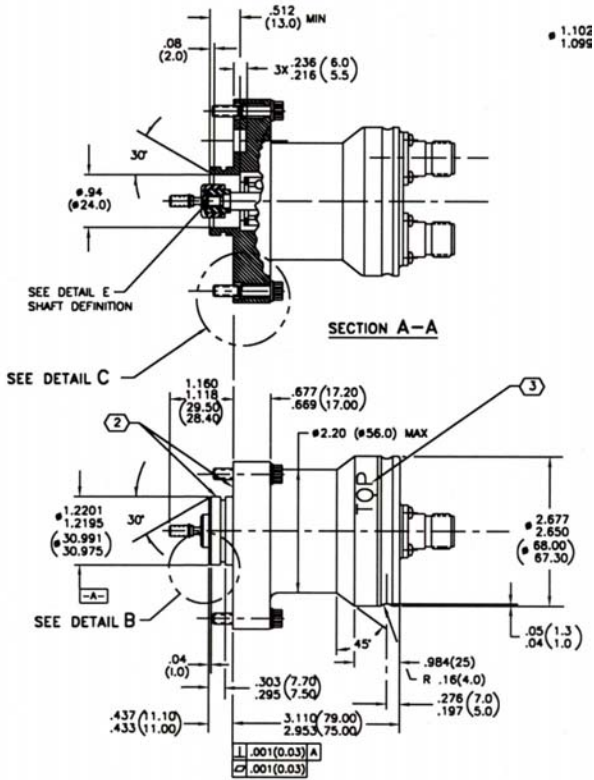
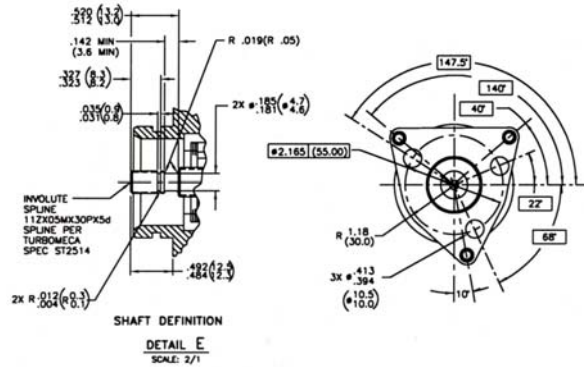
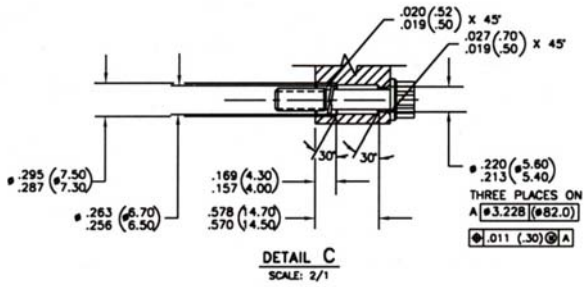
DESCRIPTION

Model 5577 is a custom designed permanent magnet alternator that provides electrical power for a FADEC system used on the RTM322, a Turbomeca helicopter engine.

The stator comprises epoxy-bonded laminations and dual three-phase windings. It is contained within an aluminum housing that interfaces with the engine mounting pad. The rotor is a sleeve unit employing high energy product magnets. It is supported on two bearings that are splash-oil lubricated. A carbon face seal keeps the alternator cavity dry.

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

OUTLINE DETAILS



ALTERNATOR, DUAL OUTPUT
MODEL 5577