



Permanent magnet alternator

Model 5591

Model 5591 provides electrical power for a FADEC system used on the PW305, a Pratt & Whitney Canada commercial aircraft engine.

The rotor is a sleeved unit employing high energy magnets. The stator comprises epoxy bonded laminations and a continuous 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.



Specifications

Overspeed:

13,513 RPM for 1 minute

Weight:

3.95 lbs

Ambient:

-54 C to 177 C

Altitude:

0 to 50,000 ft

Cooling:

Convection / conduction

Compliance:

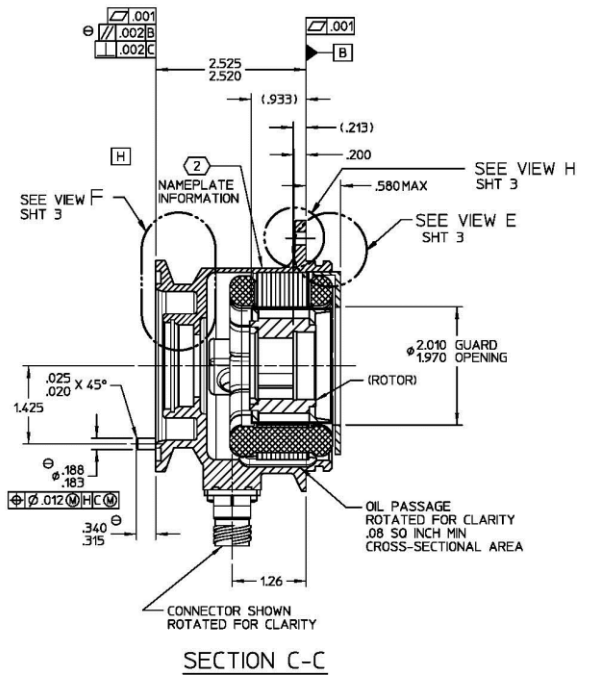
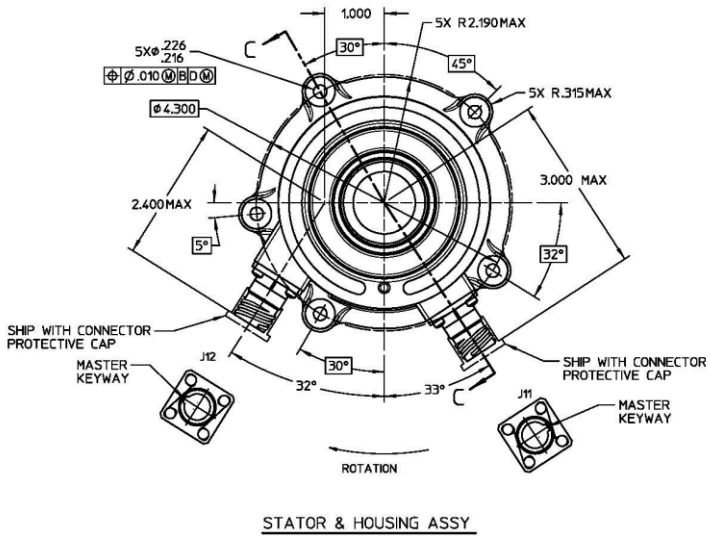
MIL-STD-461B
RTCA-DO-160D

Electrical:

Dual 3 phase WYE windings

OEKO

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