Permanent magnet alternator
Model 5577

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 a 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.

Specifications

Ambient:
-54 C to 135 C

Weight:
1.8 lbs

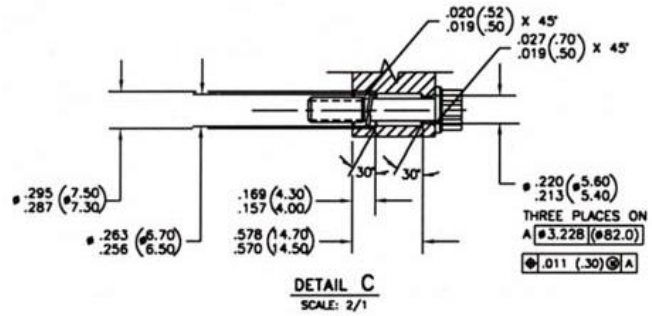
Altitude:
0 to 50,000 ft

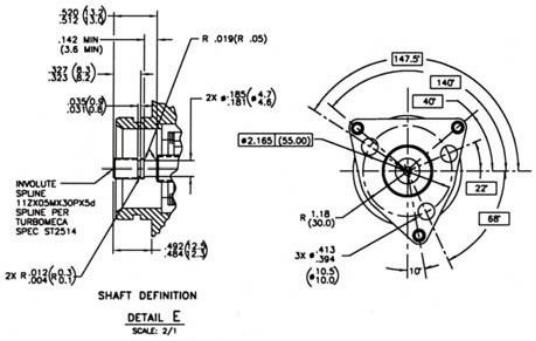
Cooling:
Convection / conduction

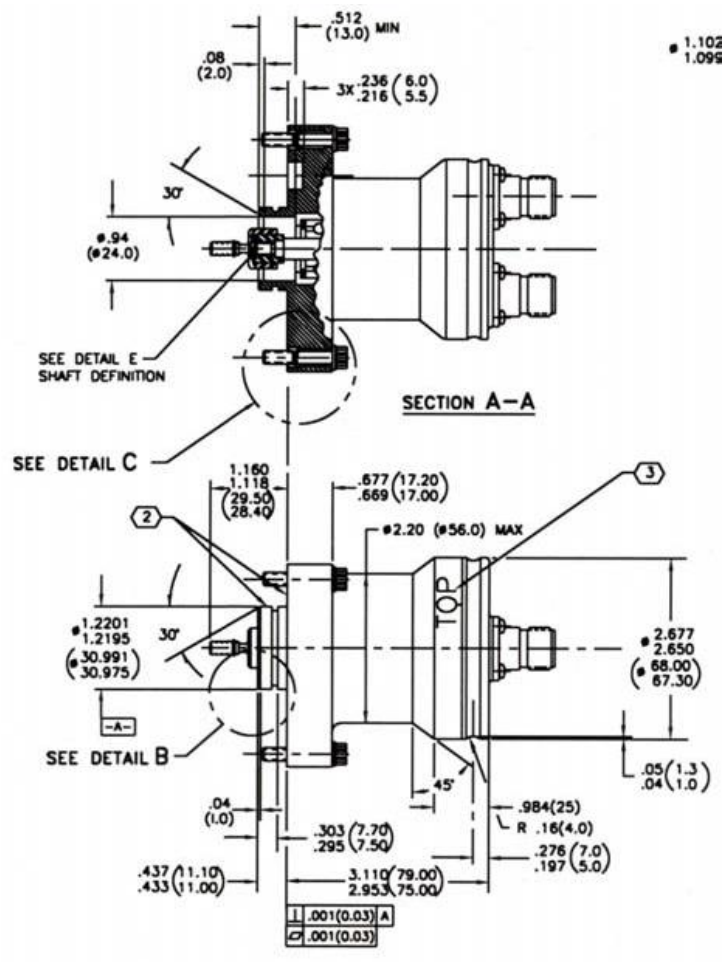
Electrical:
Dual redundant 3 phase WYE windings

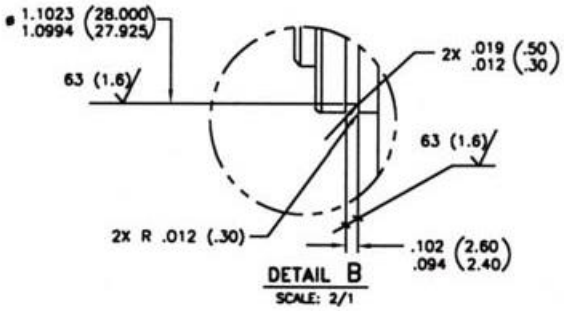
Compliance:
MIL-STD-461B

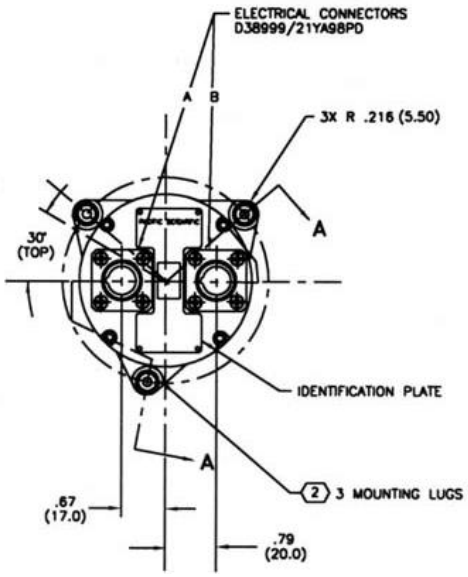
MEGGiTT
smart engineering for
extreme environments











OECO

4607 SE International Way
Milwaukie OR 97222
USA

Tel: +1 (503) 659 5999

www.oeco.com
www.meggitt.com

MEGGiTT
smart engineering for
extreme environments