DATA SHEET

SPECIFICATIONS

DUAL OUTPUT VOLTAGE: OUTPUT NO. 2: 24 VDC TO 40 VDC

29,000 - 41,000 RPM SPEED RANGE: 45,000 RPM **OVERSPEED:** CONTINUOUS **RATING: 4 KW TOTAL**

75A PER OUTPUT OVERLOAD: **EFFICIENCY:** 85% AT RATED LOAD

system comprises a generator and a BLAST AIR COOLING: power conditioning unit (PCU) AMBIENT: -54°C TO +75°C integrated within a single unit. 0 TO 30,000 FT ALTITUDE: The generator utilizes high energy Samarium Cobalt magnets complemented by a homopolar inductor section for voltage control over the required speed and load WEIGHT: 16 LBS (SYSTEM) profile. The dual outputs are electrically isolated from each other, thereby preventing cross interaction between loads. The generator is pad-driven by the Williams International F107 engine. **COMPLIANCE:** MIL-STD 704 The integral PCU provides the MIL-STD-810 system with rectification, filtering MIL-STD-461B

MODEL #5066 DC GENERATOR 4KW – 30,000 RPM



DESCRIPTION

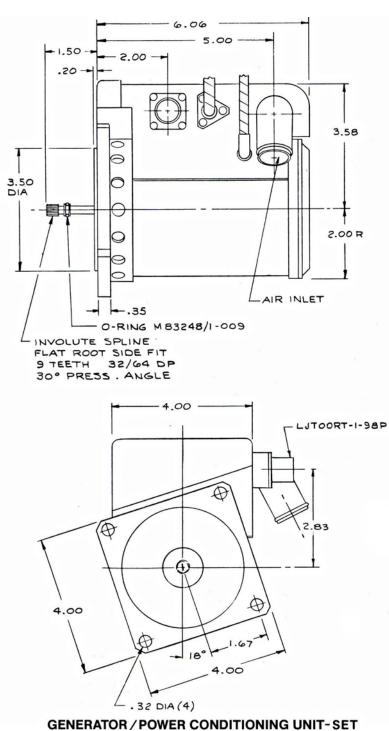
Model 5066 brushless generator system was developed to satisfy the unique load profiles of the U.S. Navy

Tomahawk Cruise Missile, The

and voltage regulation functions.



OUTPUT NO. 1: 27 VDC TO 29 VDC



OUTLINE DETAILS