

DATA SHEET
SPECIFICATIONS
**MODEL #5306
GENERATOR SYSTEM
4 KW - 29,500 RPM**
GENERATOR

VOLTAGE: 22 VOLTS RMS LINE-LINE
PHASE: 6
FREQUENCY: 1032 HZ TO 1475 HZ
POWER FACTOR: 0.95 LAG TO UNITY

SPEED RANGE: 20,650 TO 29,500 RPM
OVERSPEED: 35,000 RPM

COOLING: CONVECTION @ 4 LBS/MIN
MTBF: 1500 HOURS

WEIGHT: 12.9 LBS

POWER CONDITIONING UNIT

OUTPUT: 4 KW
VOLTAGE: 26.5 TO 34 VDC
RIPPLE: LESS THAN 1.5 VOLT PEAK

COOLING: COLD PLATE @ 2 LBS/MIN
AMBIENT: -48° TO 71°C
ALTITUDE: SEA LEVEL TO 40,000 FT.
MTBF: 3000 HOURS

WEIGHT: 4 LBS

COMPLIANCE: MIL-STD-461
MIL-STD-704C


DESCRIPTION

Model 5306 generating system comprises an alternator and a remote power conditioning unit (PCU). The alternator is a brushless, two-bearing machine of the hybrid-homopolar inductor type for a closely regulated voltage. The PCU features a solid-state switching regulator circuit that is effective between no-load and full load, and at speeds between 20,650 RPM and 29,500 RPM. Both the alternator and power conditioning units are watertight and can be reused after recovery from a salt-water immersion.

OUTLINE DETAILS

