

DATA SHEET
SPECIFICATIONS
**MODEL 5100
AC GENERATOR**
**AC CHARACTERISTICS
FROM A 3 PHASE WINDING**

RPM	VOLTAGE (RMS L-L)	AMPERES
45,400	24 (MIN)	60
60,000	31 (MIN)	40

SPEED RANGE:	48,000 – 62,000 RPM
OVERSPEED:	72,000 RPM
OVERLOAD:	80 AMPS MAX
EFFICIENCY:	75% MINIMUM
DUTY CYCLE:	CONTINUOUS

COOLING:	BLAST AIR
AMBIENT:	-54°C TO +85°C
ALTITUDE:	0 TO 65,000 FT
LIFE:	500 HOURS

WEIGHT:	0.76 ROTOR 1.00 STATOR
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COMPLIANCE:	MIL-STD-704 MIL-E-5400 MIL-STD-810B
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DESCRIPTION

Model 5100 is a permanent magnet brushless type synchronous alternator with an externally mounted PCU.

The alternator is integrally mounted on a gas turbine engine which provides power for a reconnaissance drone.

High-energy product Samarium Cobalt magnets provide a high power to size and weight ratio.

OUTLINE DETAILS