

DATA SHEET**SPECIFICATIONS****MODEL #5609
AC GENERATOR
15KVA - 12,000 RPM**

VOLTAGE:	115/200 VAC
PHASE:	THREE
FREQUENCY:	400 HERTZ
POWER FACTOR:	0.75 LAG TO UNITY
REGULATION:	112.5 TO 117.5 VAC
SPEED RANGE:	10,800-13,200 RPM
OVERSPEED:	15,000 RPM
CONTINUOUS RATING:	15 KVA CONTINUOUS 15 KVA 2.0 MINUTES 20 KVA 5.0 SECONDS 3 PER UNIT SHORT CIRCUIT CURRENT
EFFICIENCY:	85% AT RATED LOAD
COOLING:	INTERNAL FAN
AMBIENT:	-55°C to +66°C
WEIGHT:	GEN 20 LBS GCU 1.5 LBS
PROTECTIVE FUNCTIONS:	OVERVOLTAGE UNDERVOLTAGE UNDER FREQUENCY
COMPLIANCE:	MIL-G-21480A MIL-E-5272 MIL-E-5400 MIL-E-81910 MIL-STD-454 MIL-STD-461 MS-33543

DESCRIPTION

Model 5609 Electrical Power Generation System comprises an AC generator and a generator control unit (GCU).

The 400-hertz, alternating current, three phase, four wire generator is a self-excited, self-cooled, brushless design. The machine incorporates a permanent magnet generator (PMG) and an exciter generator for brushless operation, self excitation and precise output voltage control.

The GCU regulates the generator voltage and monitors system performance. The GCU also controls the system power contactor and provides system protective functions, as listed.

OUTLINE DETAILS