DATA SHEET

SPECIFICATIONS

MODEL #5264
AC GENERATOR

DC CHARACTERISTICS WHEN RECTIFIED BY A 3-PHASE, FULL WAVE BRIDGE RECTIFIER:

RPM	VOLTAGE	AMPERES
6,250	19 (MIN)	2.5
10,418	23 (MAX)	3.5
10,418	60 (MAX)	NO LOAD

OVERSPEED: 11,980 RPM
SPEED
WINDING: SINGLE-PHASE @ 35 V P-P MAX
POWER 3-PHASE WYE-CONNECTED
WINDINGS:
OUTPUT
FREQUENCY: 1,389 HZ AT 10,418 RPM

COOLING: AIR/OIL BATH
AMBIENT: -65°F TO 250°F
ALTITUDE: 0 TO 35,000 FT
MTBF: 5000 HOUR

WEIGHT: STATOR 0.60 LBS MAX
ROTOR 0.50 LBS MAX

COMPLIANCE: MIL-STD 202F
MIL-STD-810C
MIL-STD-461B
MIL-STD-462

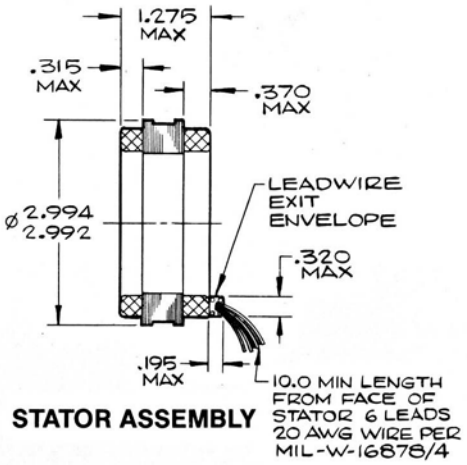
DESCRIPTION

Model 5264 comprises a rotor/stator frameless set. It is installed in a fuel pump cavity and provides power to a full-authority digital engine controller (FADEC).

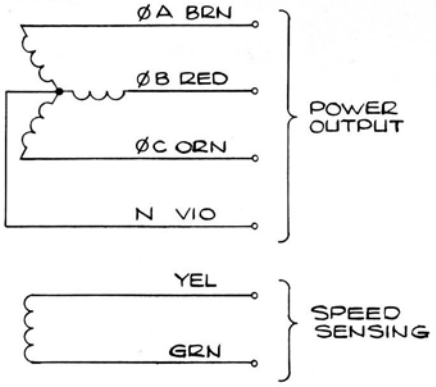
The rotor consists of a rare-earth magnet fashioned into a Lundel-style permanent magnet configuration.

The stator features a stack of laminations hand-wound with the power and speed coils to achieve high power densities.

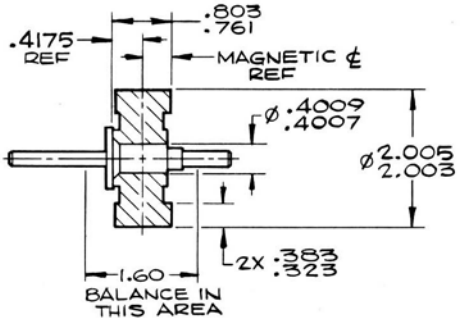
OUTLINE DETAILS



STATOR ASSEMBLY



SCHEMATIC WIRING DIAGRAM



ROTOR ASSEMBLY