

Specifications

FAN OPTIONS

Tachometer Output Signal*

4 Pole Motor: 2 pulses/revolution, square waveform
 8 Pole Motor: 4 pulses/revolution, square waveform

Locked Rotor Output Signal*

Low voltage output changes to high voltage output in locked/stopped rotor condition.

Thermistor Control

Hub-mount or remote mount thermistor monitors temperature and increases/decreases RPM.

Encapsulated Motor

Encapsulated motor and PCB for hostile environments

Conformal Coating

Humidity resistant protective coating applied to PC board and electronic components. Enhanced "GB" option for additional protection

Added Value Assemblies and Custom Designs

Contact Mechatronics for details

GENERAL SPECIFICATIONS Brushless DC Fans & Blowers

Rated Voltage*	5, 12, 24, 48 VDC
Operating Voltage Range*	DC 4.5 to 6.0V for DC 5V DC 5.5 to 14V for DC 12V DC 10 to 28V for DC 24V DC 24 to 56V for DC 48V
Operating Temp Range*	-10°C to 70°C
Storage Temp Range*	-40°C to 70°C
Insulating Resistance*	over 10MΩ at DC 500V
Dielectric Strength*	AC 500V for 1 minute
Protection*	Reverse polarity protection
Impeller & Frame*	PBT (UL94V-0)
PCB*	Epoxy (UL94V-0)
Lead Wire*	Color coded UL1007 or UL1061
Bearings*	<ul style="list-style-type: none"> • Abec 3, double shielded, chrome ball bearings • Sintered bronze sleeve bearings
Safety*	UL, C-UL File E137077, TUV R9154178, R9154180, etc.

**Actual specifications, tolerances, and safety agency approvals vary by series and model. Consult Mechatronics for details.*

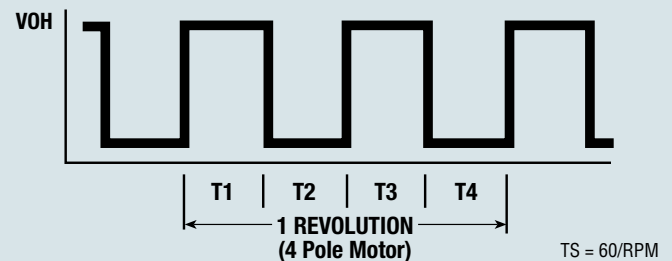
**Operation at both maximum voltage and maximum temperature is not recommended and may result in premature failure.*

Specifications and information are subject to change without notice.

Tachometer Output Signal*

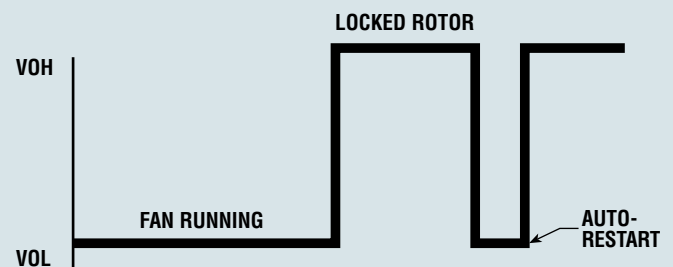
A, E, F, G Series

Rated input voltage	5 VDC	12 VDC	24 VDC	48 VDC
Tachometer signal output voltage (VOH)	5 VDC	12 VDC	24 VDC	48 VDC
All voltages +/- 0.5 VDC				



Locked Rotor Output Signal*

Rated input voltage	5 VDC	12 VDC	24 VDC	48VDC
Locked rotor signal	4 VDC	6 VDC	12 VDC	24VDC
All voltages +/- 0.5 VDC TTL compatible signal output available				



Thermistor Control

