

# TECHNICAL BULLETIN

Bulletin 4930705 November 2018

Rev C

## LOW VOLTAGE (LESS THAN 42V DC) BRUSHLESS DC BLOWERS

Operating Instructions

#### PRECAUTIONS FOR USE

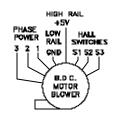
THE FAILURE TO OBSERVE THE FOLLOWING PRECAUTIONS COULD RESULT IN SERIOUS BODILY INJURY, INCLUDING DEATH IN EXTREME CASES. We recommend that adequate instructions and warnings by the original equipment manufacturers (OEM) include labels setting forth the precautions listed below to the end user.

In setting forth the above listed recommendations with regards to precautionary steps that must be considered, we in no way intend to imply that if these steps are taken a product will meet the applicable safety standards. We, at AMETEK, are not sufficiently conversant with the specific safety hazards which may be associated with particular products. We can only advise precautions to be employed generally for the safe use of AMETEK products as components. For testing specifically related to the safety of the product, we recommend that you contact the appropriate regulatory agency as indicated by the type of product being manufactured.

For further information, reference Safety Bulletin #4930700.

### **GENERAL**

Sample low voltage brushless DC blowers may be furnished with a controller to provide the commutation necessary to drive the motor for testing purposes. In some cases, adequate external cooling must be provided for the controller during operation.



TYPICAL BLOWER MOTOR WITH INTERNAL CONTROLLER

TYPICAL BLOWER MOTOR FOR USE WITH EXTERNAL CONTROLLER

Please review the following items prior to operating the blower:

- Please refer to the blower outline drawing for the maximum controller voltage and current ratings.
   Voltage and current should not exceed these limits, otherwise the controller may be damaged.
- Please refer to the blower outline drawing for proper blower motor connection, maximum ambient and working air temperatures, and performance characteristics of the blower.

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ISSUED BY: DATE:

#### CONFIDENTIAL