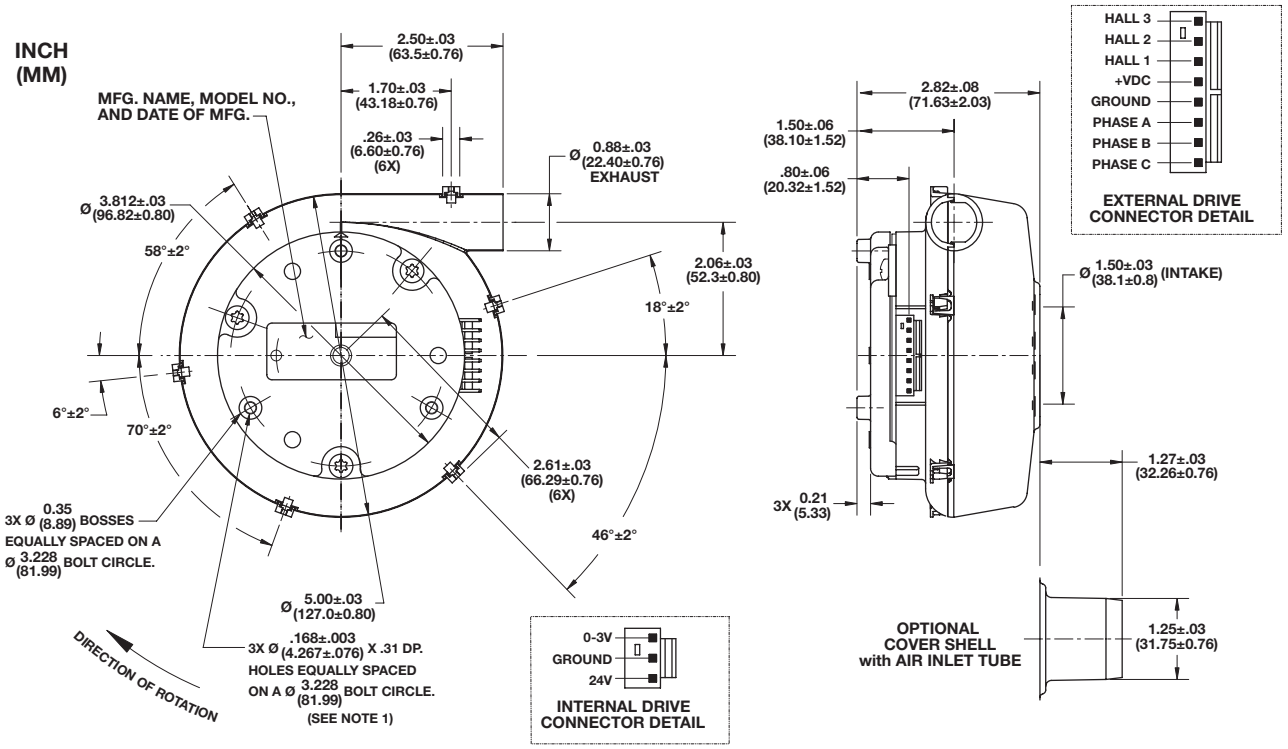
5.0” (127mm) BLDC Low-Voltage Blower

12/24 VDC, High Flow System



Blower Data	Unit of Measure	Part Number		
		150166	119375	119378 M* 119379 E*
Voltage Input	VDC	12	24	24
Stages	—	1	1	1
Pressure, Maximum (Sealed Pressure)	in. H_2O	20.1	24.9	24.9
	mBar	50.0	62.0	62.0
Flow Rate, Maximum (Open Flow)	CFM	37.7	44.6	44.6
	m^3/hr	64.1	75.8	75.8
Drive Electronics	Internal or External	Internal	External	Internal

** These part numbers are available through AMETEK Technical & Industrial Products’ distributors.*

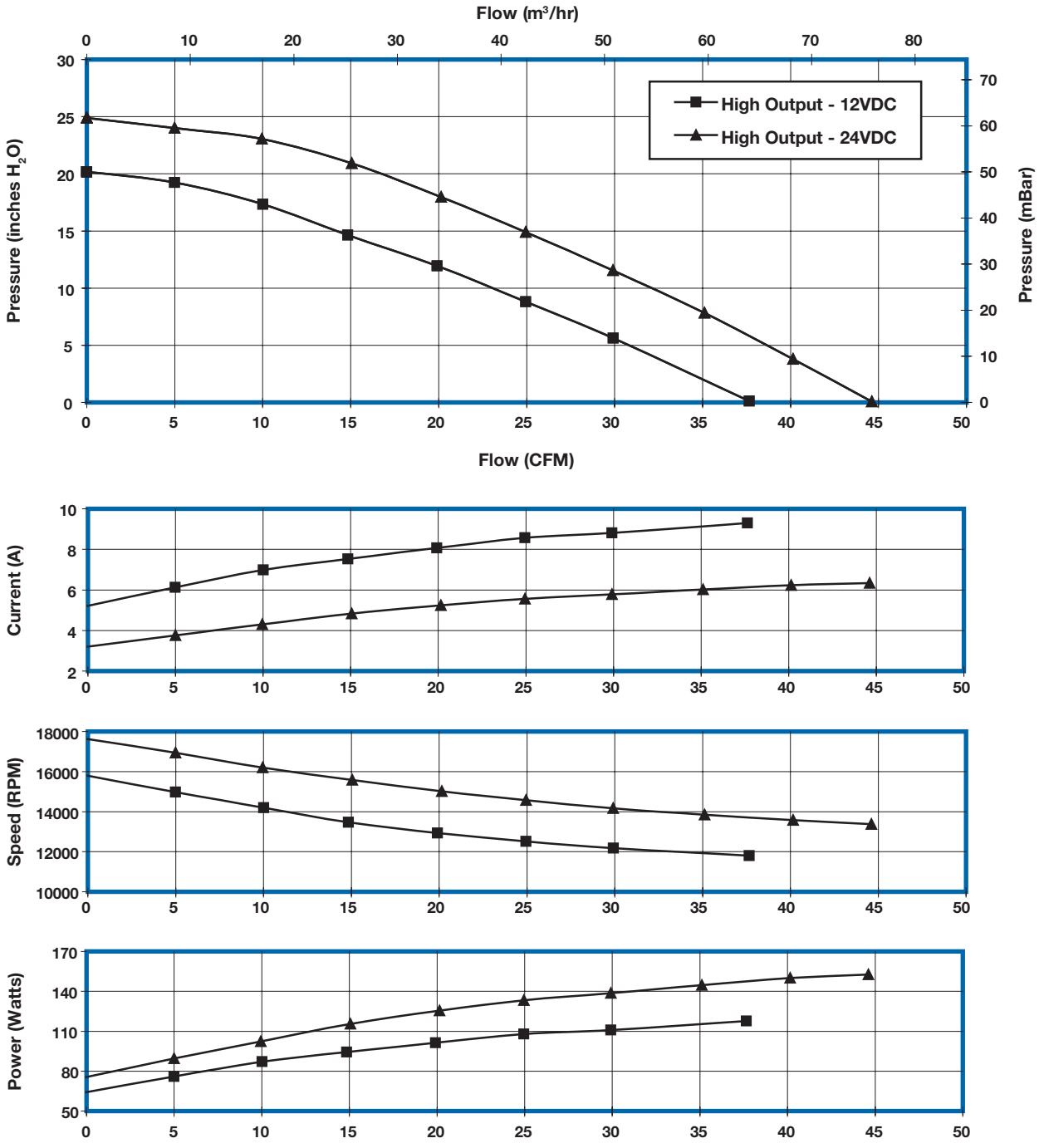
NOTES:

- ***Temperature:*** *Working Air: 0°C to 45°C, Ambient Air: 0°C to 45°C, Storage Air: -40°C to 85°C.*
- ***Dielectric Testing:*** *500 volts AC RMS 60Hz applied for one second between input pins and ground, one milliamps leakage max.*
- ***Speed Control:*** *Internal – E (Electrical): Pulse Width Modulated or Analog input voltage (user supplied), 0 to 5 Volts DC nominal.*
  M (Mechanical): A potentiometer is available for speed control of the blower. The potentiometer can be preset for a specific speed.
  External – These blowers require a 3 phase electronic commutated input to operate. A separate blower controller provides this input and speed control. Refer to the controller section (page 118) of this catalog for additional information.
- *Customized performance available upon request. Please contact AMETEK Technical & Industrial Products’ Marketing and Sales Department.*
- *Models can be configured and modified for a two (2) plane balance option.*
- *When blowers are used in a vacuum condition, there will be an approximate reduction of 3% in the air performance.*
- *Standard hard mounting is done via the three (3) mounting bosses on the motor side of the blower.*
- *See controller section for models that require external drive electronics.*
- ***Optional –*** *cover shell with air inlet tube.*

5.0” (127mm) BLDC Low-Voltage Blower

12/24 VDC, High Flow System

TYPICAL PERFORMANCE



LOW-VOLTAGE BLDC BLOWERS

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions using AMETEK BLDC motor controllers. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Marketing and Sales.

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