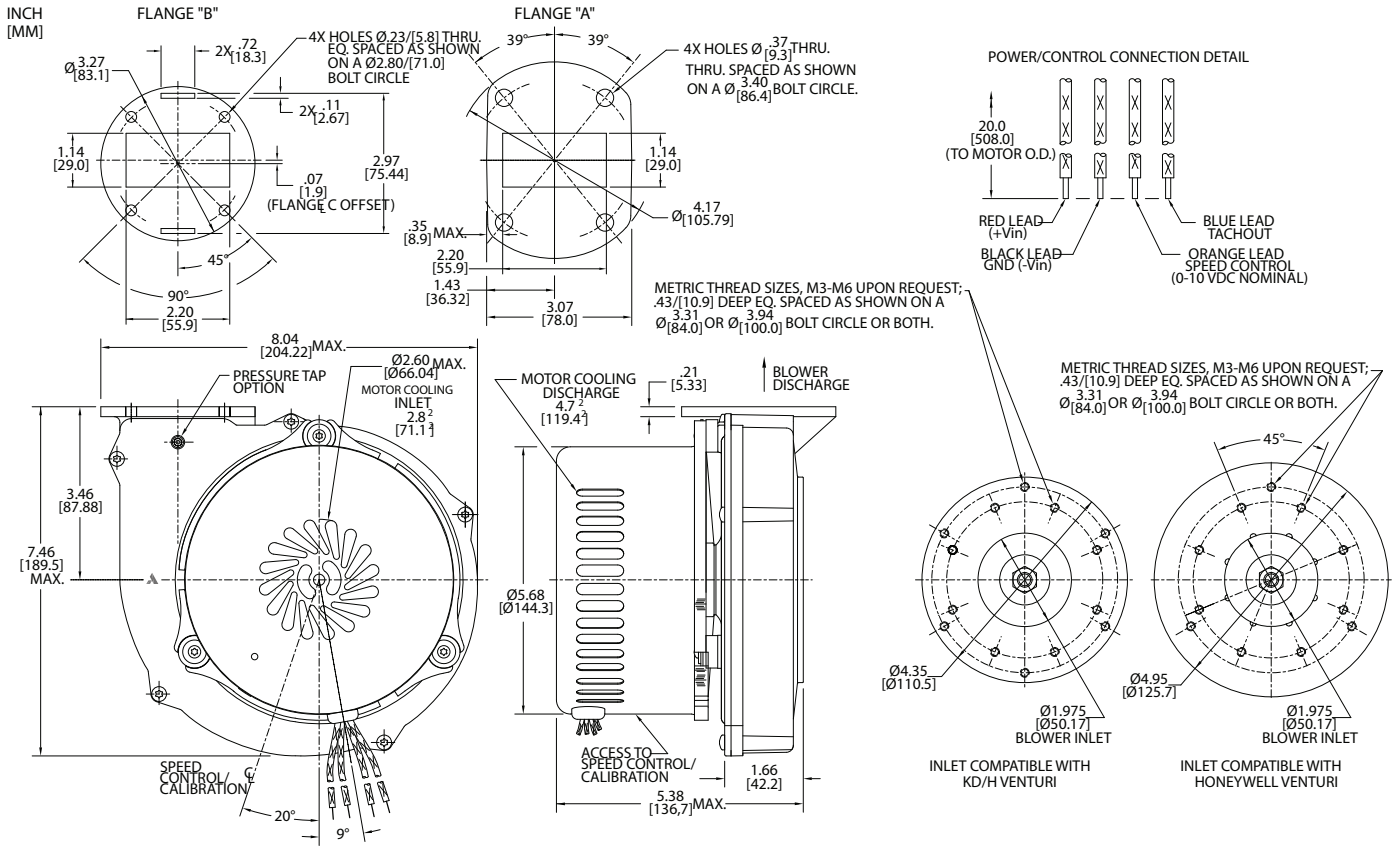


High Voltage Brushless DC Blowers

Nautilair (TM) 7.6" (193mm) Variable Speed Blower

12/24 VDC Input, Standard Output

Nautilair



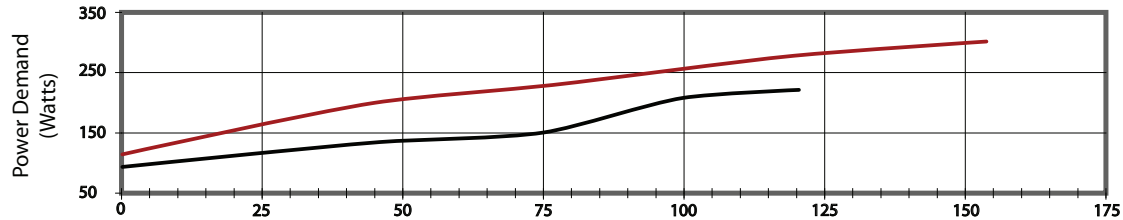
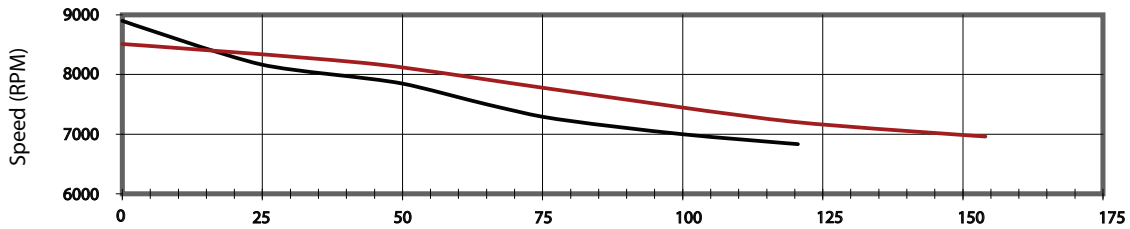
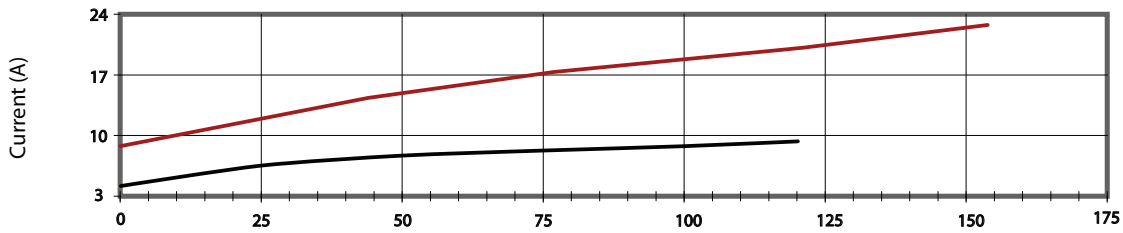
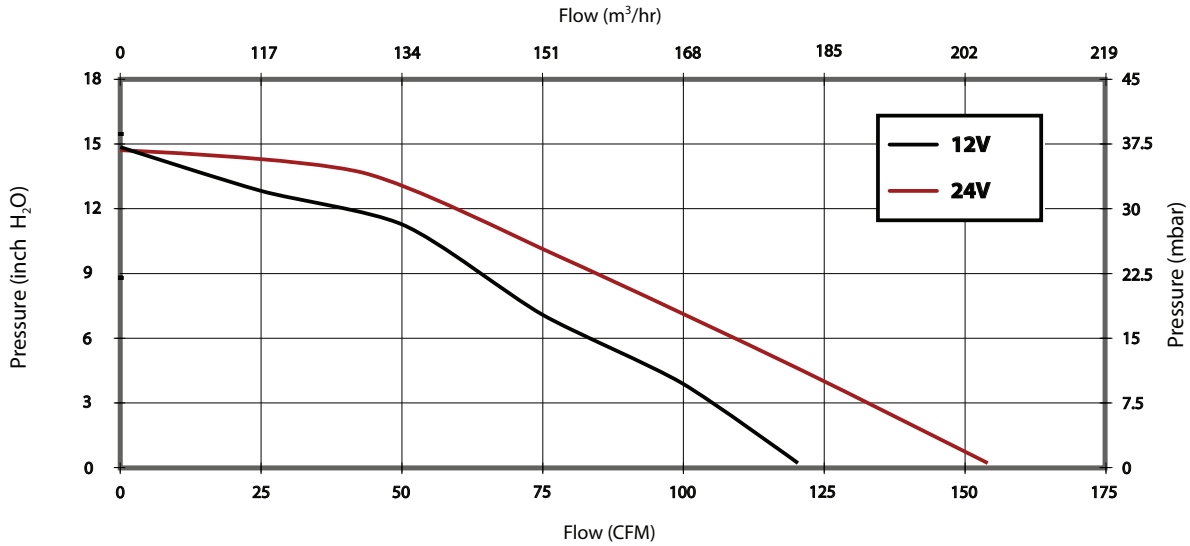
		Part/ Model Number				
Specification	Units	150186	150180	150181	150184	150185
Voltage	VDC	12	24	24	24	24
Flange Type	-	Large "A"	Large "A"	Large "A"	Small "B"	Small "B"
Speed Control	-	Mechanical	Mechanical	Electronic	Mechanical	Electronic

Notes:

- Input Voltage Range:** 12 or 24 Volts DC
 - Operating Temperature (Ambient Air and Working Air):** -25°C to 50°C
 - Storage Temperature:** -40°C to 85°C
 - Dielectric Testing:** 500 Volts AC RMS 50/60 Hz applied for one second between input pins and ground, 1mA leakage maximum.
 - Speed Control Methods:** 0 to 10 VDC speed control.
Mechanical: A potentiometer is available for speed control of the blower. The potentiometer can be preset for a specific speed. Access for speed adjustment located in motor housing.
 - Approximate Weight:** 4.8 Lbs. / 2.2 Kg
 - Design Features:** Designed to provide variable airflow for low NOx & CO emission in high efficiency gas fired combustion systems. Built with non-sparking materials. Blower housing assembly constructed of die cast aluminum. Impeller constructed from hardened aluminum. Rubber isolation mounts built into blower construction to dampen vibration within the motor. Two piece blower housing assembly sealed with O-ring gasket for combustion applications. Customer is responsible to check for any leakage once the blower is installed into the final application.
 - Miscellaneous:** Blower inlet, discharge, and all motor cooling inlet and discharge vents must not be obstructed. Motor ventilation air to be free of oils and other foreign particles, (i.e. breathing quality air). Blower to be mounted so ventilation air cannot be re-circulated.
- POWER/CONTROL CONNECTION:** Stripped wire leads.

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. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. 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 Dynamic Fluid Solutions Sales department.

Typical Performance



Data presented represents blower performance at STANDARD AIR DENSITY, .075 lb/ft³ (29.92" Hg, Sea Level, 68° F)
 Vacuum performance available upon request.

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