

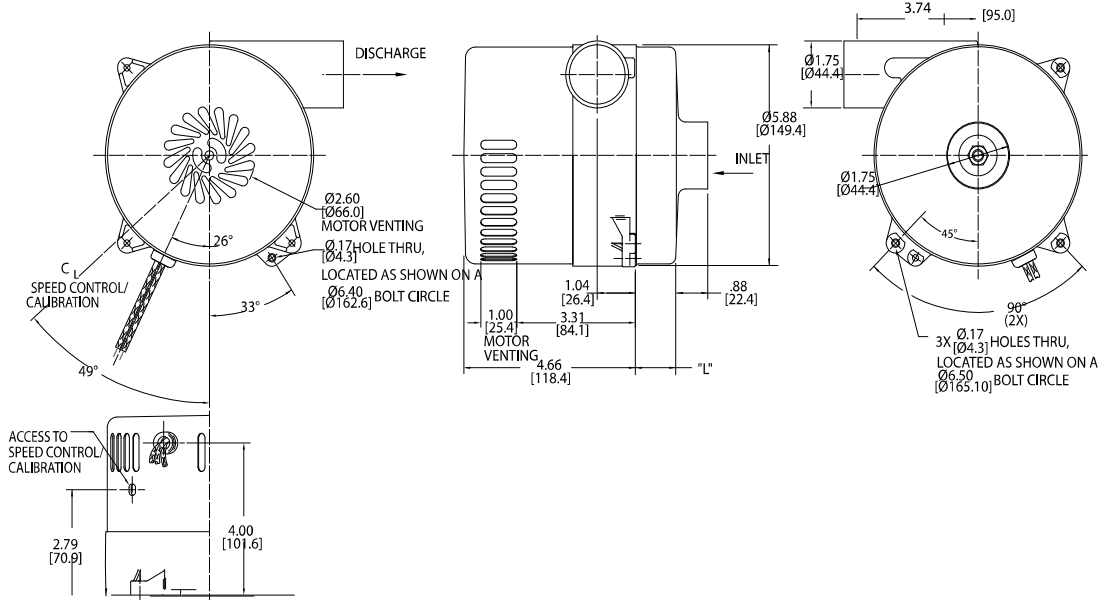
Low Voltage Brushless DC Blowers

5.7" (145mm) BLDC Bypass Blower

24 VDC Input, High Flow System



INCH
[MM]



Specification	Units	Part/ Model Number					
		150400	150431	150401	150432	150402	150433
Stages	-	1	1	2	2	3	3
Input Voltage	VDC	24	24	24	24	24	24
Max Sealed Pressure	in. H ₂ O	30	30	56	56	83.4	83.4
	mbar	74.7	74.7	139.5	139.5	207.7	207.7
Max Airflow	CFM	73	73	65	65	66	66
	m ³ /hr	124.1	124.1	110.5	110.5	112.2	112.2
Length (L)	Inches	0.50	0.50	1.15	1.15	1.84	1.84
	mm	12.7	12.7	29.2	29.2	46.7	46.7
Speed Control	-	Anlg. Spd. Cmd.	Potent. Adjust.	Anlg. Spd. Cmd.	Potent. Adjust.	Anlg. Spd. Adjust.	Potent. Adjust.

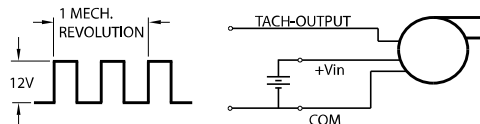
Notes:

- **Temperature:** Working Air: 0°C to 45°C, Ambient Air: 0°C to 45°C, Storage: -40°C to 85°C.
- When used as a vacuum, the blower performance might be less than shown herein, depending on the operating point.
- **Weight** = 6 lb / 2.2 Kg

Potentiometer Adjustment (Potent. Adjust.) - The specified supply voltage is applied and the speed is set by adjusting a potentiometer on the side of the blower.

Analog Speed Command (Anlg. Spd. Cmd.) - Blower speed is proportional to an analog speed command signal. The range over which the speed command signal operates can be calibrated within 0-10V by adjusting the sensitivity potentiometer accessed through the side of the blower. The sensitivity adjustment is also useful for precisely calibrating a group of blowers to the same speed for a given operating point and command signal voltage.

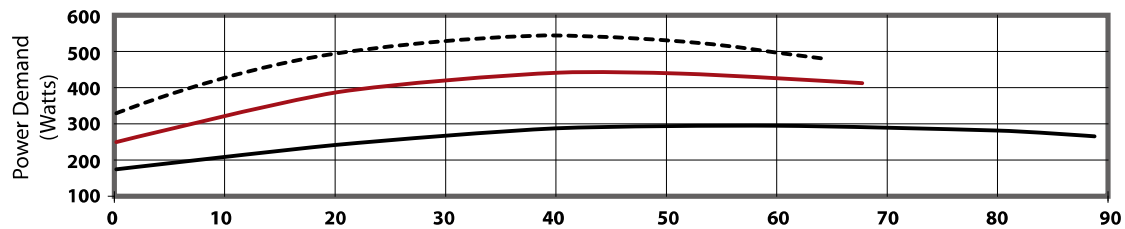
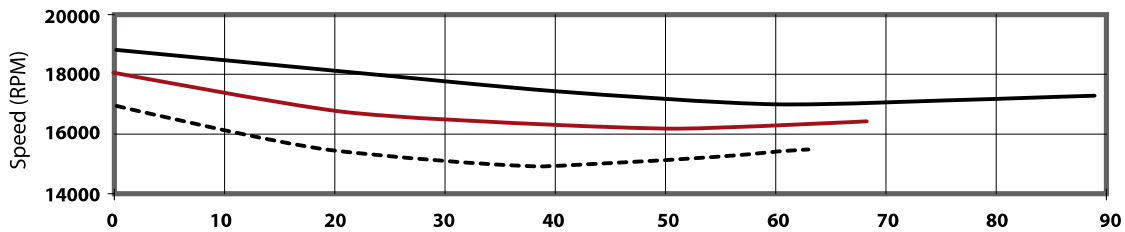
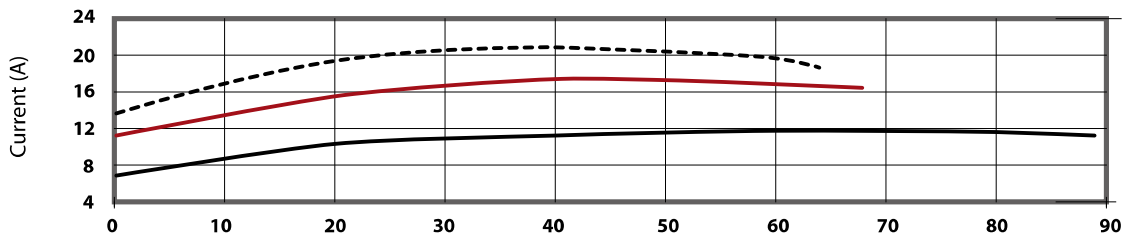
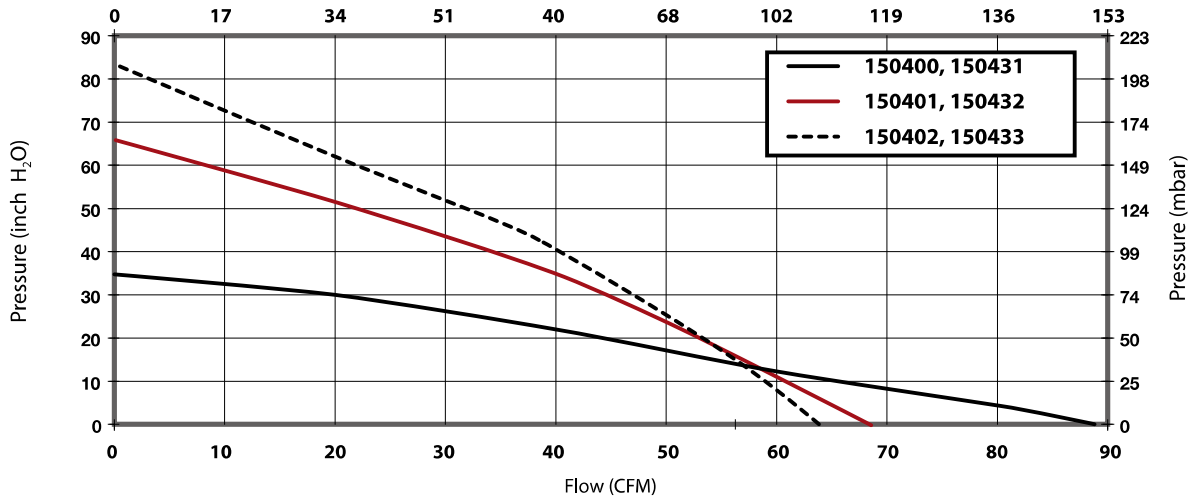
Tachometer Output - All of the models listed above come equipped with a tachometer output: a square wave output that is proportional to blower speed. The frequency of the tachometer output signal is 2x the blower's rotational frequency.



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Typical Performance

(at constant 24V input)
Flow (m³/hr)



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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