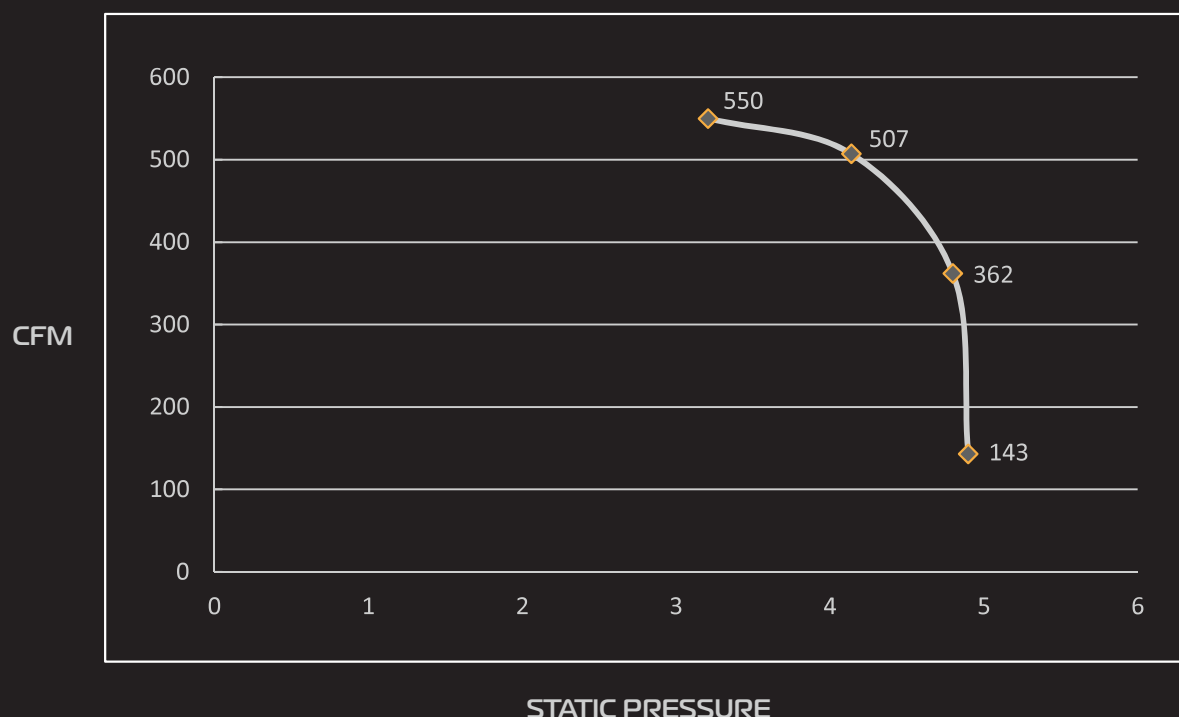


BIFLUX	MAX STATIC PRESSURE (inch/H ₂ O)	MAX CFM	HP	VOLTS	Hz	IMPELLER	INLET
	4.86	550	1	115	60	Ø9"	Ø4"

BIFLUX	RESTRICTOR PLATE (inch)	DIA. 4"	DIA. 3½"	DIA. 3"	DIA. 2"	DIA. 0"
	STATIC PRESSURE (inch/H ₂ O)	3.21	4.14	4.8	4.9	4.86
	CFM	550	5.07	362	143	0
	VELOCITY	2.476	2.11	1.07	0.17	0

PERFORMANCE CURVE



*HOW WE OBTAIN OUR READINGS

- Testing based on new, clean filter. Results will vary depending on use.
- The inlet on b|flux:1 is 4"
- A flex hose 16 X longer than inlet diameter is attached $4 \times 16 = 64"$
- Air pressure meter measures the velocity & static pressure is inserted into this hose at halfway point = 32"
- The Air Pressure Meter measures in Inches of Water
- The CFM is measured with 4" opening at end of hose, no restrictions, 32" from inlet
- The Max. Static pressure is measured when the restrictor plate at end of hose is closed (0) 32" from inlet
- Air pressure meter measures the velocity and static pressure in inches of water
- CFM is calculated in the following manner:
- Square root of Velocity in inches of water x cross sectional area of cyclonic inlet in square feet x 4005
- Calculate cross sectional area of cyclonic inlet in square feet:
 $4"/12 = 0.3\text{ft}$ $0.3/2 = 0.166\text{ft}$ $0.166 \times 0.166 \times 3.1416 = 0.0866 \text{ ft}^2$
 Formula: $\sqrt{2.476 \text{ inch of water}} \times 0.0866 \text{ ft}^2 \times 4005 = 545\text{CFM}$ (website states 550CFM; this calculated value will slightly vary due to the rounded off values derived from the above formula)