

497.3.266

145mm (5,7") Diameter – Low Flow, High Pressure

DOMEL®

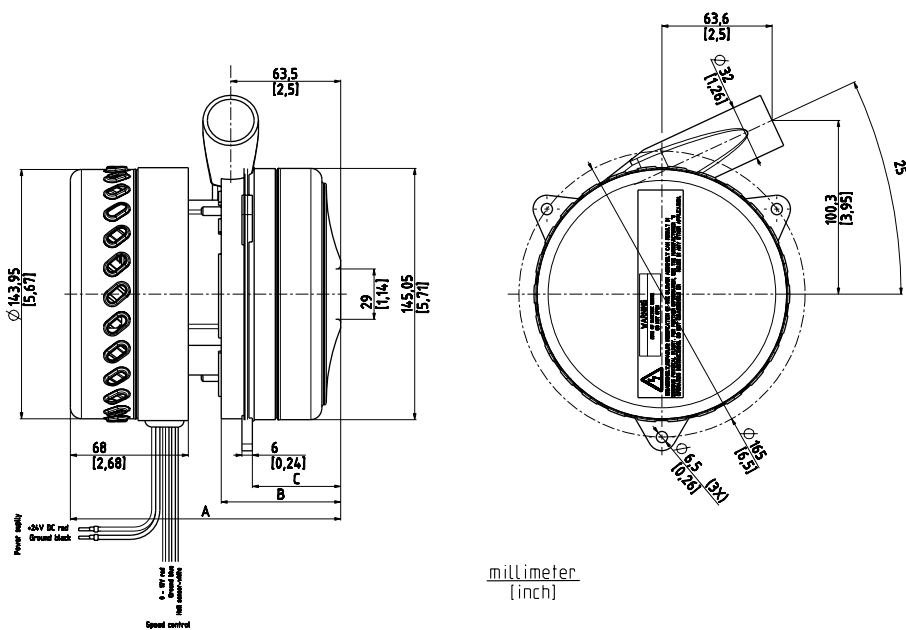
Brushless motor drives with long life offer a wide range of vacuum or pressure applications. They are used for wet and dry aspiration. Blowers consist of brushless motor with integrated controller built on one stage fan system tangential discharge. By using electronic drive, carbon brushes are eliminated. Main blower's functions are supervised by digital signals with high accuracy and quick response. Overall it means enhanced flexibility, high performance and high level of robustness. Main technical features are blocked rotor protection, thermal protection, soft start, over current protection, under/over voltage protection and speed control. An input signal 0-10 VDC or PWM is used to set the speed. Upon customer request a speed output information or fault output signal is available.

In the table below are representatives of tangential blower family. Each blower includes:

- side cooling air inlet,
- top cooling air inlet,
- speed control 0-10VDC or PWM.

All other combinations such as:

- working air inlet with tube,
 - top cooling air inlet with tube,
 - working air inlet,
 - speed output,
 - without speed control
- are available upon request.

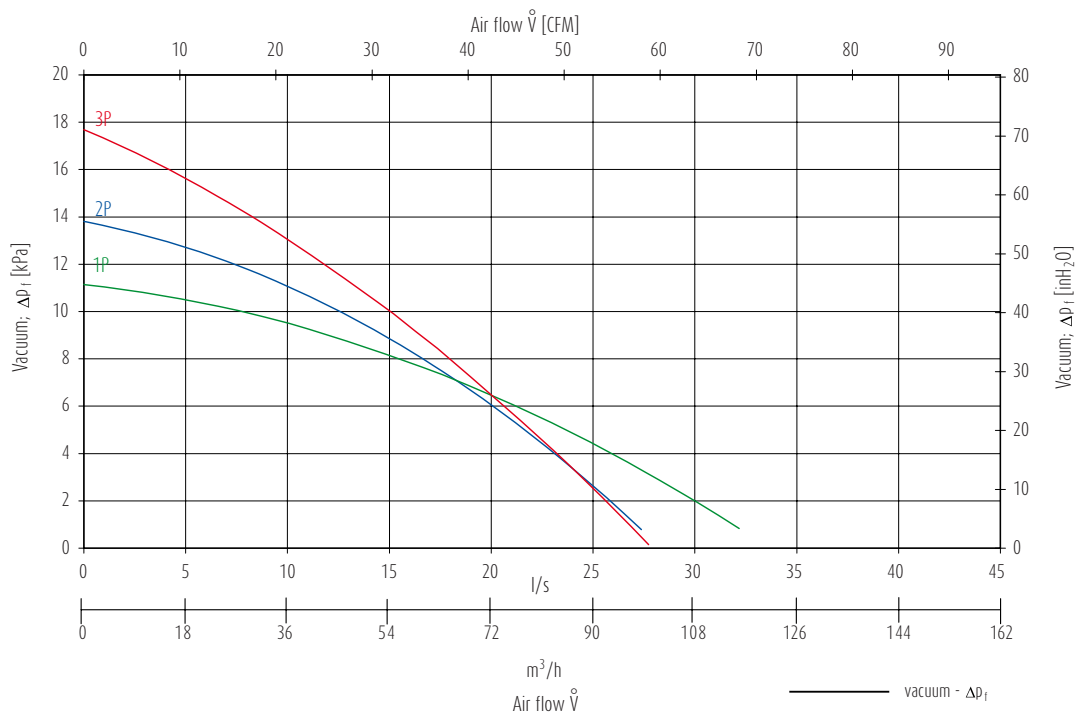


Dimensional and performance data are subject to change without notice.

Selection and ordering information for 24V /DC and other voltages - TANGENTIAL DISCHARGE														
Code	Stage	P / E	A		B		C		P1	Sealed Vacuum		Max. air flow		Mass
			Curve	[mm]	[in]	[mm]	[in]	[mm]		[in]	[W]	[kPa]	[inH2O]	
497.3.266-321	1P		139	5,47	43	1,69	27	1,06	450	11,5	46,2	32,2	68,2	1,90
497.3.266-341	2P		158	6,22	64	2,52	46	1,81	450	13,9	55,9	27,7	58,7	2,15
497.3.266-401	3P		175	6,89	81	3,19	63	2,48	450	17,9	71,9	27,5	58,3	2,45

Data above represent the performance of an average motor sample. Individual data may vary due to normal manufacturing variations.

450 W; Low Flow, High Pressure



Additional note:

- Main difference between this blower and the rest of the range of 145mm is outlet diameter (32mm). This difference brings higher pressure and lower air flow. This blower is also very high efficient at low flow.