

497.3.275

145mm (5,7") Diameter – Superflow



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. Special feature of this blower is extraordinary air flow.

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

- top cooling air inlet with tube
- working air inlet with tube
- speed control 0-10VDC or PWM.

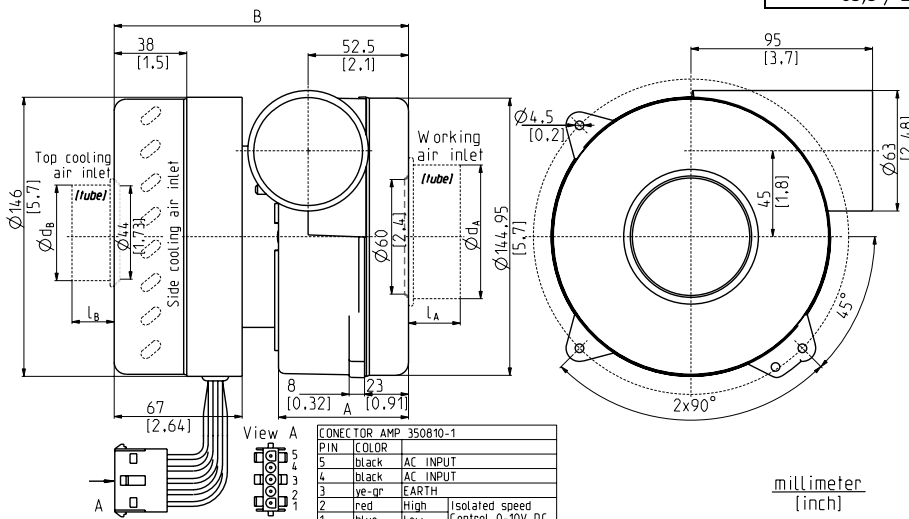
All other combinations such as:

- side cooling air inlet
 - top cooling air inlet
 - working air inlet
 - without speed control
 - speed output
- are available upon request.

Special features:

- high air flow
- available dimensions of working and cooling air inlet:

| tube diameter | | tube height | |
|---------------|----|-------------|----|
| dA | dB | IA | IB |
| mm / [in] | | mm / [in] | |
| 50 / 1,97 | | 22 / 0,87 | |
| 63,5 / 2,50 | | 26 / 1,02 | |



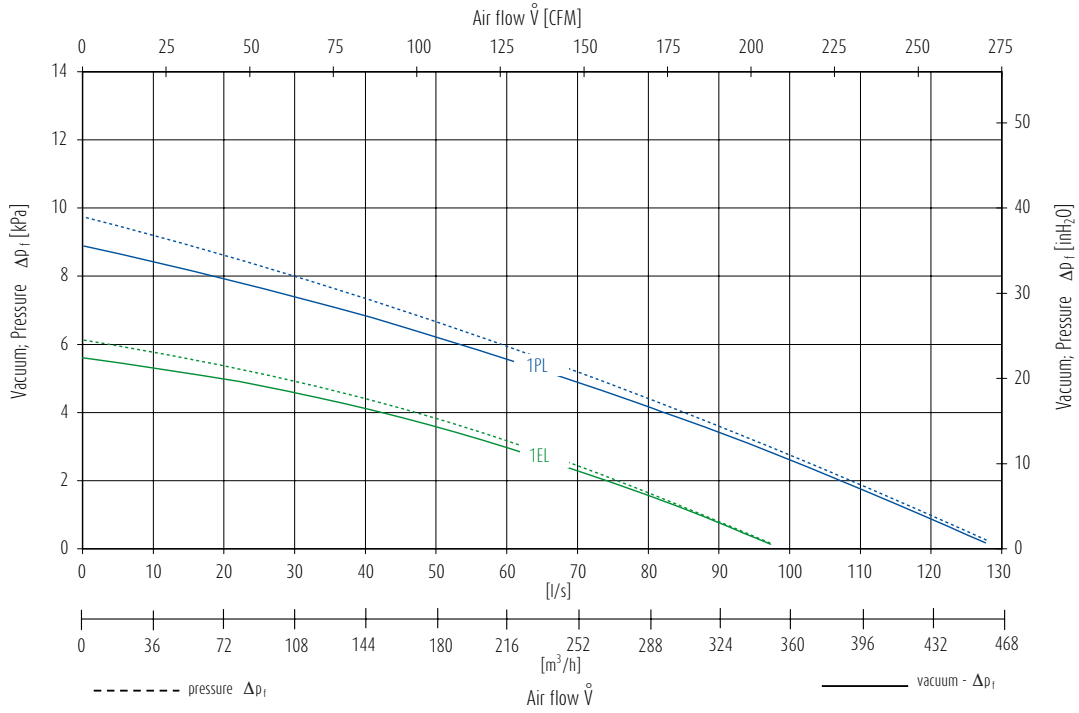
Dimensional and performance data are subject to change without notice.

| Selection and ordering information for 230V/50Hz - TANGENTIAL DISCHARGE | | | | | | | | | | | | | | |
|---|-------|---------|-----|------|------|------|----------------|---------------|------|-----------------|----------------------|---------------|----------------------|------|
| Code | Curve | Voltage | A | | B | | P ₁ | Sealed Vacuum | | Sealed Pressure | | Max. air flow | | Mass |
| | | | [V] | [mm] | [in] | [mm] | | [in] | [W] | [kPa] | [inH ₂ O] | [kPa] | [inH ₂ O] | |
| 497.3.275-725 | 1PM | 230-240 | 68 | 2,68 | 154 | 6,06 | 1100 | 10,1 | 40,6 | 11,1 | 44,6 | 125,9 | 266,77 | 2,3 |
| 497.3.275-321 | 1EM | 230-240 | 68 | 2,68 | 154 | 6,06 | 450 | 5,9 | 23,7 | 6,6 | 26,5 | 96,3 | 204,05 | 2,3 |
| 497.3.265-711 | 1PL | 110-120 | 68 | 2,68 | 154 | 6,06 | 1100 | 9,1 | 36,6 | 9,9 | 39,8 | 127,7 | 270,58 | 2,3 |
| 497.3.275-311 | 1EL | 110-120 | 68 | 2,68 | 154 | 6,06 | 450 | 5,7 | 22,9 | 6,2 | 24,9 | 97,3 | 206,17 | 2,3 |

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

Tangential discharge 230-240V and 110-120V / 50-60Hz

110-120V; Superflow



230-240V; Superflow

