

Strip Wheel Design – Double Inlet

5.25 inch (133 mm) Diameter

Beckett Air's special strip wheel blade angle and curvature deliver maximum air at peak efficiency and our precision assembly process assures high concentricity and almost perfect balance.

Our unique ring assembly makes this wheel the most rigidly constructed strip wheel in the industry.

Strip wheels are manufactured at our Ohio facility and are available in several other diameters and widths.



Specifications

| Configuration Number | Dia. "D" | | Width "W" | | No. of Blades | Blade-to-Blade I.D. "K" | | App. Wt. Steel | | App. Wt. Aluminum | | Max RPM |
|----------------------|----------|-----|-----------|-----|---------------|-------------------------|-----|----------------|------|-------------------|------|---------|
| | in. | mm | in. | mm | | in. | mm | Lbs. | kg | Lbs. | kg | |
| V525-410D | 5.25 | 133 | 4.10 | 104 | 30 | 4.35 | 110 | 0.93 | 0.42 | 0.45 | 0.20 | 3000 |
| V525-484D | | | 4.84 | 123 | | | | 1.03 | 0.47 | 0.47 | 0.21 | 2900 |
| V525-582D | | | 5.82 | 148 | | | | 1.11 | 0.50 | 0.49 | 0.22 | 2700 |
| V525-626D | | | 6.26 | 159 | | | | 1.13 | 0.51 | 0.49 | 0.22 | 2600 |
| V525-694D | | | 6.94 | 176 | | | | 1.17 | 0.53 | 0.53 | 0.24 | 2500 |
| V525-800D | | | 8.00 | 203 | | | | 1.33 | 0.60 | 0.63 | 0.29 | 2400 |

Maximum RPM is based on stationary installations and ambient operating temperatures. Please contact Beckett Air for information regarding applications outside these parameters.

Dimensional Reference

*Rotation for double inlet blower wheels is determined by viewing the hub side.

Options

| Rotation ¹ | Wheel Material ² | | Secondary Coatings ³ | Std. Hub Bores "B" ⁴ | | Hub Material | Other ^{5,6,7} |
|-----------------------|-----------------------------|-----------------|--|---------------------------------|------------------------------|--|---|
| | | | | In. | mm | | |
| CW, CCW | Aluminum | Standard Option | Paint, E-coating, Nickel Plating | 1/4, 5/16, 3/8, 1/2 | 6.4, 7.9, 9.5, 12.7 | Aluminum, Nickel-Plated Steel, Plain Steel, Stainless Steel, Zinc-Plated | Housings, Asymmetrical Wheels, Balancing |
| | Aluminized Steel | Standard Option | | | | | |
| | Galvanized Steel | Standard Option | | | | | |
| | Galvalume | Custom Option | | | | | |
| | Galvanneal | Custom Option | | | | | |
| | Plain Steel | Custom Option | | | | | |
| | Stainless Steel | Custom Option | | | | | |

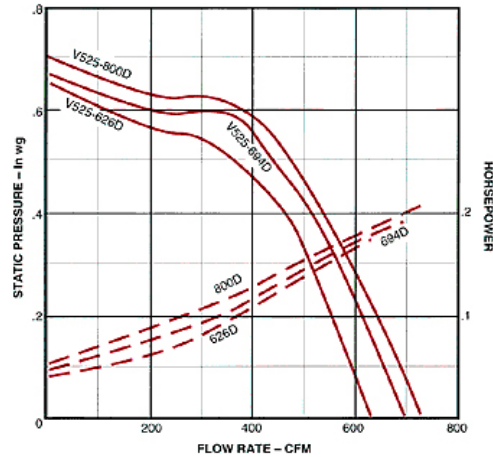
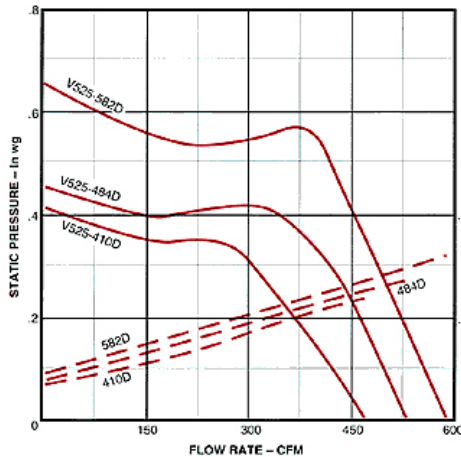
Notes

- Rotation is defined by note on dimensional reference drawings.
- Materials listed as Standard Option are most commonly used in Key Rivet wheels but other materials listed as Custom Option are available.
- Secondary coatings are applied to fully assembled wheel.
- Standard hub has one set screw. Hubs with two screws and/or metric bore sizes are also available.
- For quoting purposes, Beckett Air will quote a standard housing for the wheel that is selected if required. Customers can also submit a specific engineered design for a final quotation.
- Asymmetrical Double Inlet Wheels: Double Inlet Wheels shown are made up with two wheels of the same width (for example, two single 2.5 inch wheels are combined to make one 5.0 inch double inlet wheel). Customer can also select two wheels with dissimilar widths (for example, one 2.0 inch and one 3.0 inch combined to make one double inlet 5 inch wheel).
- Rotating static balance to .040 ounce-inch (standard). Dynamic (two plane) balance and/or reduced static balance tolerances (optional).

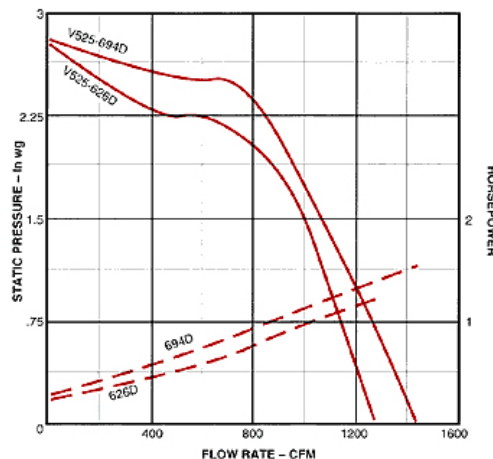
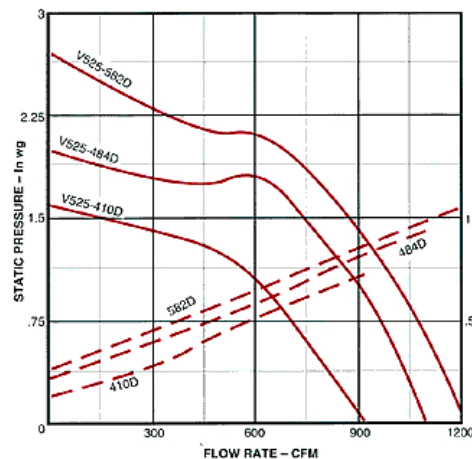
Airflow Characteristics

Performance charts below are for reference only. Actual airflow, static pressure and horsepower characteristics are dependent on application, motor used, inlet/outlet dimensions and other factors. Beckett Air can provide samples of wheels or perform testing on blower wheels as installed to confirm actual performance characteristics.

1725 RPM



3450 RPM



Typical Applications

| HVAC | Household Appliances | Commercial Food Preparation | Electronics Cooling | Commercial Applications | Transportation Cooling/Heating |
|--------------------|----------------------|-----------------------------|---------------------|-------------------------|--------------------------------|
| Central Heating | Water Heaters | Warming Cabinets | Server Enclosures | Air Doors/Curtains | Train |
| Air Conditioning | Bathroom Ventilation | Convection Ovens | Medical Devices | Clean Technology | Bus |
| Fan Coils | Range Hoods | Combi Ovens | Business Machines | Process Cooling | Truck |
| Exhaust Fans | | Counter Top Ovens | | De-Dusting Systems | Off Road |
| Hearth Products | | Induction Cooktops | | Elevator Exhaust Fan | Auto Vent & Heater |
| Convection Heaters | | Ventilation Systems | | Motor Cooling | |
| Radiant Heaters | | | | | |

All data listed in this informational sheet is subject to change without notice.

For more information, go to www.beckettair.com or contact Beckett Air, Inc.

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