

Flat Inlet Design

Ranging from 3.6 to 10.2 inch (92 and 259 mm) Diameters

Beckett Air backward inclined centrifugal wheels deliver both increased static pressure and airflow. They have extremely low sound levels and are ruggedly constructed for long life. The non-overloading horsepower characteristics of backward inclined blowers mean changes in static pressure will not overload motors.

Beckett Air's larger diameter backward inclined wheels are found in applications requiring high suction or pressure requirements such as pre-mixing blowers in commercial space heaters. Smaller diameter wheels, some less than a third of an inch in width, are particularly well suited to cooling electronics or motors in highly confined spaces.

Backward inclined wheels listed here are manufactured at Beckett Air and are available in diameters ranging from 3.6 to 10.2 inches (92 and 259 mm).



Specifications (Quotation marks are keyed to Dimensional Reference on reverse side)

Configuration Number	Blade Tip Diameter "D"		Width of Blades Inside Discs "W"		No. of Blades	Air Inlet Diameter "K"		Rivet Height "H"		App. Wt. - Alum*	
	in.	mm	in.	mm		in.	mm	in.	mm	Lbs.	kg
B363-029	3.63	92	0.29	7	6	1.56	40	0.03	0.6	0.06	0.03
B363-044	3.63	92	0.44	11	6	1.50	38	0.03	0.8	0.07	0.03
B494-029	4.94	125	0.29	7	6	1.50	38	0.03	0.8	0.11	0.05
B720-097	7.20	183	0.97	25	11	2.20	56	0.03	0.8	0.32	0.15
B788-033	7.88	200	0.33	8	7	2.00	51	0.03	0.8	0.26	0.12
B788-076	7.88	200	0.76	19	7	2.00	51	0.02	0.4	0.37	0.17
B788-085	7.88	200	0.85	22	11	3.00	76	0.03	0.8	0.44	0.20
B900-304	9.00	229	3.04	77	7	4.71	120	0.04	1.0	0.83	0.38
B950-102	9.50	241	1.02	26	12	3.00	76	0.03	0.8	0.54	0.24
B1020-304	10.20	259	3.04	77	9	4.71	120	0.04	1.0	**	**

*Weights are without hubs. **Please contact Beckett Air to determine the availability of this information.

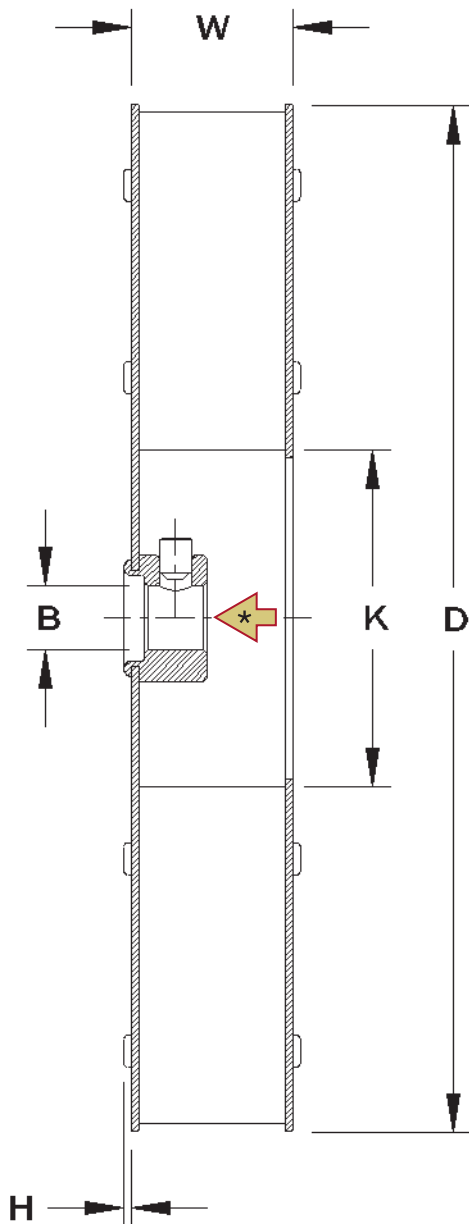
Options

Rotation ¹	Wheel Material ²		Secondary Coatings ³	Std. Hub Bores "B" ⁴		Hub Material	Other ⁵
				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
	Aluminized Steel	Standard Option					
	Galvanized Steel	Custom Option					
	Galvalume	Custom Option					
	Galvanneal	Custom Option					
	Plain Steel	Custom Option					
Stainless Steel	Custom Option						

Notes

- 1 Rotation is defined by note on dimensional reference drawings.
- 2 Materials listed as Standard Option are most commonly used in Key Rivet wheels but other materials listed as Custom Option are available.
- 3 Secondary coatings are applied to fully assembled wheel.
- 4 Metric sizes are also available.
- 5 For quoting purposes, Beckett Air will quote a standard housing for the wheel selected, if requested. Customers can also submit a custom housing design for quotation.

Dimensional Reference



*Rotation for Backward Inclined wheels is determined by viewing the open end (inlet side).

PERFORMANCE CHARTS

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 to OEM customers for evaluation purposes or perform testing on wheels as installed to confirm actual performance characteristics. Please contact us if this service would be of interest.

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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Experts in Moving Air

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