

Mixed Flow Wheels

9 inch (229 mm) Diameter

Beckett Air mixed flow wheels combine the best of axial and centrifugal properties. Ideally suited to commercial cooking appliances that require high velocity air to surround food for rapid heat transfer and doneness such as impinger or convection ovens.

Our mixed flow wheels are highly efficient with increased pressure capabilities and extremely low sound levels. Our design incorporates its own housing but they can be used with a separate housing if required.

Mixed flow wheels are manufactured at Beckett Air and are available in two diameters.



Specifications

Configuration Number	Dia. "D"		Width "W"		No. of Blades	Blade-to-Blade I.D. "K"		App. Wt. Steel		Max RPM
	in.	mm	in.	mm		in.	mm	Lbs.	kg	
M900-304	9	229	3.04	77	19	7.12	181	2	0.9	3400

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

Options

Rotation ^{1,2}		Wheel Material ³		Secondary Coatings ⁴	Std. Hub Bore ⁵	
CW	Std. for 9" Wheel	Plain Steel	Standard Option		In.	mm
CW, CCW	New Designs	Aluminized Steel, Galvanized Steel, Galvalume, Galvanneal, Stainless Steel	Custom Option	Paint, E-coating, Nickel Plating	1/2, 5/8	12.7, 15.9

Notes

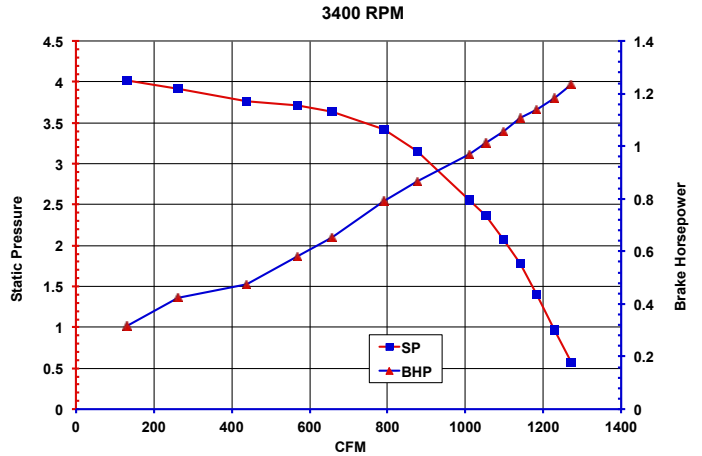
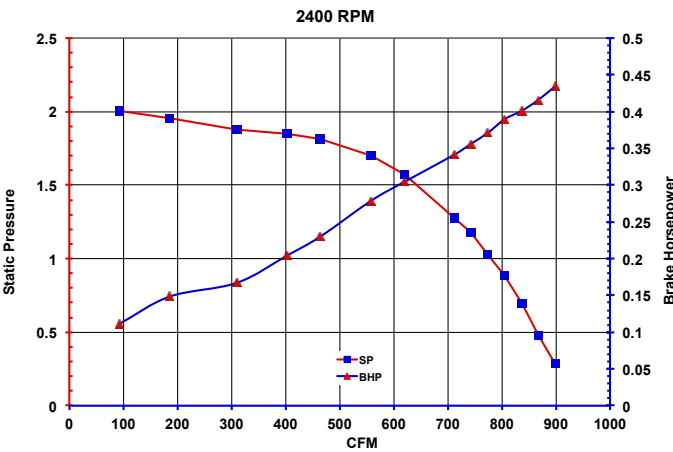
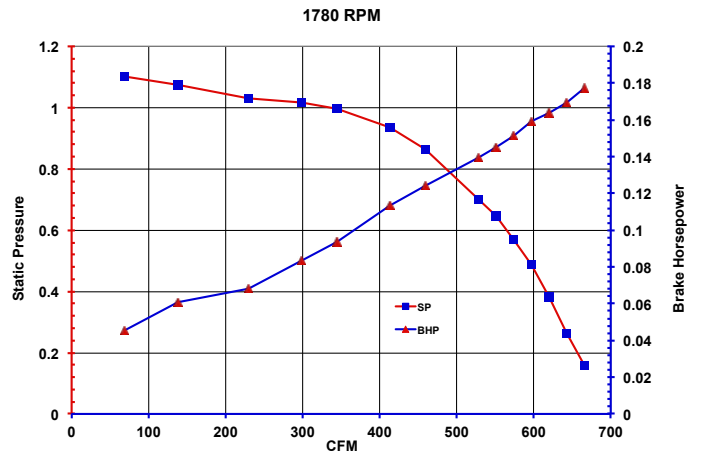
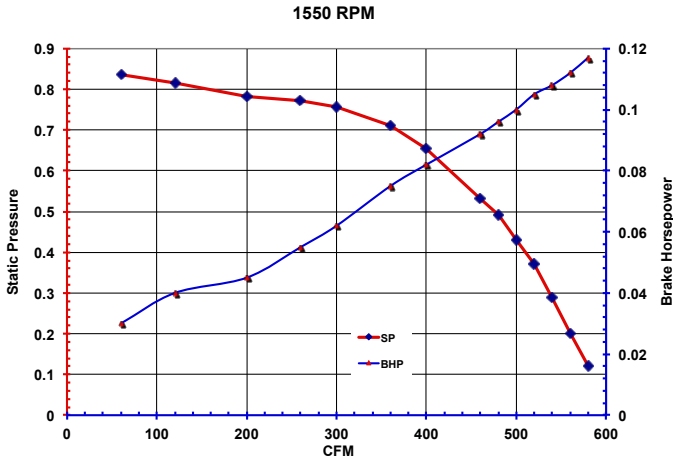
- 1 Rotation direction listed is standard for existing 9-inch wheel. Either option is available for new mixed wheel design.
- 2 Rotating static balance to .040 ounce-inch (standard). Dynamic (two plane) balance and/or reduced static balance tolerances (optional).
- 3 Materials listed as Standard Option are most commonly used in Mixed Flow wheels but other materials listed as Custom Option are available.
- 4 Secondary coatings are applied to fully assembled wheel.
- 5 Standard option for Mixed Flow wheels is a single set screw. A second set screw can be added. No metric size bores are currently available.

Typical Applications

Commercial Food Preparation	Electronics Cooling	Commercial Applications	Household Appliances	HVAC
Impinger Ovens	Server Enclosures	Clean Technology	Convection Ovens	Convection Heaters
Combi Ovens	Medical Devices	Process Cooling & Drying	Warming Drawers	Radiant Heaters
Convection Ovens	Business Machines			
Warming Cabinets				

Airflow Characteristics

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.



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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