



ROTARY HEAT EXCHANGER

MODEL EN

PRODUCT DATA SHEET

Model EN is based on the high efficiency E-rotor matrix. It is designed to be fitted directly inside an air handling unit or mounted in a cassette, primarily for residential ventilation applications. The product holds a smaller diameter hub and bearing which maximizes the airflow for small residential air handlers. Further, a glued aluminum wrapping allows for high output and durability.

Typical temperature efficiencies are between 75-80%, but with design optimization, the efficiency can approach 90%.

Model EN is not only available with custom tailored diameters and numerous well-heights, but is also available in different widths, adding one more dimension for perfection in residential air handling design.

Significant for all Heatex heat exchangers, including the rotary heat exchangers, is the possibility to narrow down the optimal thermal design within a rich scope of standard design options.

Go to [Heatex.com](https://www.heatex.com) for more information and [Heatex Select](#) for performance calculations.

TECHNICAL SPECIFICATIONS

MODEL EN

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

2.4" WC.

MAXIMUM ALLOWED PRESSURE DROP:

1.2" WC.

RECOMMENDED PRESSURE DROP:

0.4 - 0.8" WC.

AIR TEMPERATURE LIMITS:

Maximum 149°F.

Minimum -40°F.

HUB / BEARING:

Standard ball bearing with shaft.

MATRIX MATERIAL:

Aluminum (standard).

Epoxy coated aluminum (improved corrosion protection).

Silica gel or molecular sieve coated aluminum (enhanced moisture transfer).

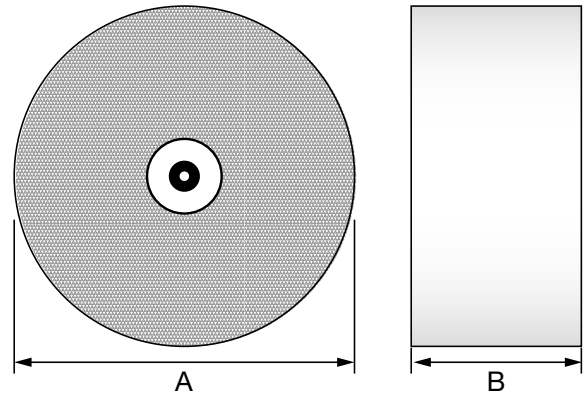
Hybrid (aluminum partially coated with silica gel).

WHEEL DEPTH:

All options are available in 3.94", 5.91" and 7.87" widths.

AIRFLOW:

30 - 1177 CFM.



MODEL EN RANGE

STANDARD DIMENSIONS (INCHES)*		
A	B	WELL HEIGHT VERSION*
7.87 - 19.69	3.94 / 5.91 / 7.87	0.05** / 0.06 / 0.07 / 0.08

A) Available in steps of 0.039 inches (1mm) increments. For larger diameters contact Heatex.

* The exact well height depends on the thickness of the material selected.

** Only available in Aluminum, Epoxy and Hybrid.

Owing to continued product development Heatex reserves the right to introduce alterations without prior notice.