



## ROTARY HEAT EXCHANGER

# MODEL EN

## PRODUCT DATA SHEET

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

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

Significant for all Heatex heat exchangers, including the rotary heat exchangers, is the great possibility to narrow down the optimal thermal design within a rich scope of standard design options. This special model comes not only in custom tailored diameters and a large choice of well-heights, but is also available in different tape widths, adding one more dimension for your perfection in residential air handling design.

Use the Heatex Select calculation tool for easy thermal design, including all options and choices at your discretion.

**TECHNICAL SPECIFICATIONS**

# MODEL EN

**MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:**  
2.4" WC.

**MAXIMUM ALLOWED PRESSURE DROP:**  
1.2" WC.

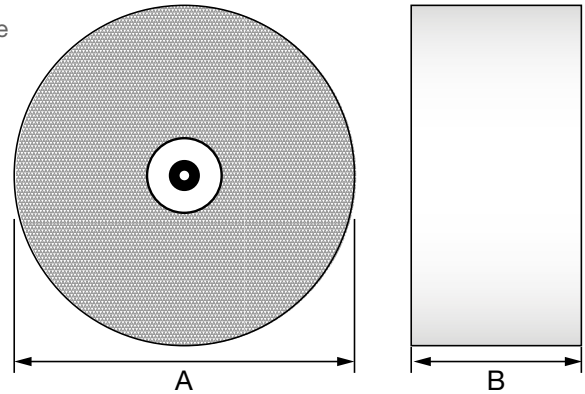
**RECOMMENDED PRESSURE DROP:**  
0.4 - 0.8" WC.

**AIR TEMPERATURE LIMITS:**  
Maximum 149°F and minimum -40°F air temperatures.

**MATRIX MATERIAL:**  
Aluminum (Standard).  
Epoxy coated aluminum (Improved corrosion protection).  
Silica gel or molecular sieve coated aluminum (Enhanced moisture transfer).  
Hybrid (aluminum partly coated with silica gel).

**MATRIX/TAPE WIDTHS:**  
All options are available in 3.94", 5.91" and 7.87" widths.  
(Larger diameters on request)

**AIRFLOW:**  
Typical airflows 30 - 7 000 CFM.



## MODEL EN RANGE

STANDARD DIMENSIONS (INCHES)*		
A	B	WELL HEIGHT VERSION*
7.87	3.94 / 5.91 / 7.87	0.05** / 0.06 / 0.07 / 0.08
11.81	3.94 / 5.91 / 7.87	0.05** / 0.06 / 0.07 / 0.08
15.75	3.94 / 5.91 / 7.87	0.05** / 0.06 / 0.07 / 0.08
19.69	3.94 / 5.91 / 7.87	0.05** / 0.06 / 0.07 / 0.08

\* The exact well height depends on the thickness of the material selected. See technical manual for exact dimensions.  
\*\* Only available in Aluminum, Epoxy and Hybrid.

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