



ROTARY HEAT EXCHANGER

MODEL E

PRODUCT DATA SHEET

Model E is a high-performing, light cassette rotary heat exchanger designed for air handling units, primarily for comfort ventilation applications. The airflows may be oriented as side by side or top/bottom, and the complete exchanger may be installed in a vertical as well as in a horizontal orientation.

Model E offers one of the most compact casing available on the market. This gives an exceptional efficiency compared to conventional rotary exchangers with the same casing dimensions. The casing is manufactured from aluzinc or galvanized steel and provides a high torsional rigidity. Heatex rotary heat exchangers are fitted with seals for excellent air tightness and can be equipped with purge sectors to minimize the cross contamination of exhaust air into the supply air.

Model E complies with the hygiene standards for comfort ventilation EN13779. It also meets the requirements for Ecodesign Lot 6, 2018.

Go to Heatex.com for more information and [Heatex Select](#) for performance calculations.

TECHNICAL SPECIFICATIONS

MODEL E

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

Up to 2.4" WC.

MAXIMUM ALLOWED PRESSURE DROP:

1.2" WC for below Ø 63 inches.

1.0" WC for larger than Ø 63 inches.

RECOMMENDED PRESSURE DROP:

0.4 - 0.8" WC.

AIR TEMPERATURE LIMITS:

Maximum 149°F.

Minimum -40°F.

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).

Hygromix (silica gel and molecular sieve coated aluminum).

CASING MATERIAL:

Aluzinc or galvanized steel (US).

Painted version available as option.

SEALING:

Brush seals as standard. Special sealing solution available as an option for better wear resistance and improved tightness up to Ø 101,4".

AIRFLOW DESIGN:

Airflow enters and leaves horizontally or vertically depending on exchanger position.

DRIVE UNIT:

Advanced step drive and control with modbus (standard) or constant speed drive.

SIZE:

Wheel Ø 19.69 - 101.4" (+ 1.97" with casing)

MODEL E STANDARD DIMENSIONS*

WHEEL Ø (INCHES)	CASING (INCHES)			WELL HEIGHT VERSION**
	FRONT (VARIABLE MOTOR)	FRONT (CONSTANT DRIVE)	DEPTH	
19.69	21.65 x 21.65	23.62 x 23.62	10.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
23.62	25.59 x 25.59	27.56 x 27.56	10.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
27.56	29.53 x 29.53	31.50 x 31.50	10.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
31.50	33.46 x 33.46	35.43 x 35.43	10.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
35.43	37.40 x 37.40	39.37 x 39.37	10.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
39.37	41.34 x 41.34	43.31 x 43.31	10.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
43.31	45.28 x 45.28	47.24 x 47.24	10.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
47.24	49.21 x 49.21	49.21 x 49.21	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
51.18	53.15 x 53.15	53.15 x 53.15	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
55.12	57.09 x 57.09	57.09 x 57.09	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
59.06	61.02 x 61.02	61.02 x 61.02	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
62.99	64.96 x 64.96	64.96 x 64.96	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
66.93	68.90 x 68.90	68.90 x 68.90	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
70.87	72.83 x 72.83	72.83 x 72.83	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
74.80	76.77 x 76.77	76.77 x 76.77	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
78.74	80.71 x 80.71	80.71 x 80.71	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
82.68	84.65 x 84.65	84.65 x 84.65	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
86.61	88.58 x 88.58	88.58 x 88.58	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
90.55	92.52 x 92.52	92.52 x 92.52	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
94.49	96.46 x 96.46	96.46 x 96.46	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
98.43	100.39 x 100.39	100.40 x 100.40	12.44	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098

* Other dimensions available on request.

** The exact well height depends on the thickness of the material selected. See technical manual for exact dimensions.

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