



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 600 Pa.

MAXIMUM ALLOWED PRESSURE DROP:

300 Pa up to Ø 1600 mm.

250 Pa above Ø 1600 mm.

RECOMMENDED PRESSURE DROP:

100-200 Pa.

AIR TEMPERATURE LIMITS:

Maximum 65°C.

Minimum -40°C.

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, for sizes up to Ø 2575 mm.

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.

SIZES:

Wheel Ø 500 - 2575 mm (+ 50mm with casing)

MODEL E STANDARD DIMENSIONS*

WHEEL Ø (MM)	CASING (MM)			
	FRONT (VARIABLE MOTOR)	FRONT (CONSTANT DRIVE)	DEPTH	WELL HEIGHT VERSION**
500	550 x 550	600 x 600	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
600	650 x 650	700 x 700	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
700	750 x 750	800 x 800	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
800	850 x 850	900 x 900	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
900	950 x 950	1000 x 1000	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1000	1050 x 1050	1100 x 1100	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1100	1150 x 1150	1200 x 1200	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1200	1250 x 1250	1250 x 1250	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1300	1350 x 1350	1350 x 1350	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1400	1450 x 1450	1450 x 1450	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1500	1550 x 1550	1550 x 1550	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1600	1650 x 1650	1650 x 1650	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1700	1750 x 1750	1750 x 1750	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1800	1850 x 1850	1850 x 1850	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1900	1950 x 1950	1950 x 1950	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2000	2050 x 2050	2050 x 2050	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2100	2150 x 2150	2150 x 2150	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2200	2250 x 2250	2250 x 2250	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2300	2350 x 2350	2350 x 2350	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2400	2450 x 2450	2450 x 2450	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2500	2550 x 2550	2550 x 2500	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5

* 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.