



ROTARY HEAT EXCHANGER

MODEL EQ

PRODUCT DATA SHEET

Model EQ is Heatex's rotary heat exchanger Model EV in a robust galvanized steel casing. One of the greatest advantages with Model EQ is the ability of onsite assembly, thanks to its segmented wheel. This provides for lower transportation costs and facilitates onsite handling. The casing comes standard with sides, top and bottom open. A fully covered casing as well as a purge sector is available as option.

It is possible to make adjustments to the position of the shaft in all directions for a perfectly balanced fit in the air handling unit. Drive and control (VFD) are available. The unit may also be supplied with only a constant drive motor for later connection to other control systems.

Typical airflows for Model EQ vary from 1170 to approx. 110 000 CFM. Air leakage between wheel and casing is minimized with a brush seal allowing easy adjustment, longer lifetime and low friction. The two airstreams are also separated by adjustable brush sealants.

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

TECHNICAL SPECIFICATIONS

MODEL EQ

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

Up to 2.4" WC.

MAXIMUM ALLOWED PRESSURE DROP:

1.0" WC.

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 coated aluminum (enhanced moisture transfer).

Molecular sieve coated aluminium (enhanced moisture transfer).

Hybrid (aluminium partially coated with silica gel).

CASING MATERIAL:

Galvanized steel.

SEALING:

Brush seals.

AIRFLOW DESIGN:

Airflow enters and leaves horizontally (exchanger in vertical position).

DRIVE UNIT:

Drive and control (VFD) or inverter ready constant speed drive.

MODEL EQ STANDARD DIMENSIONS*

WHEEL Ø (INCHES)	CASING (INCHES)		
	FRONT	DEPTH	WELL HEIGHT VERSION**
62.99	68.50x68.50	17.95	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
66.93	72.44x72.44	17.95	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
70.87	76.38x76.38	17.95	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
74.80	80.31x80.31	17.95	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
78.74	84.25x84.25	18.11	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
82.68	88.19x88.19	18.11	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
86.61	92.13x92.13	18.11	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
90.55	96.06x96.06	18.11	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
94.49	100.00x100.00	18.11	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
98.43	103.94x103.94	18.11	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
102.36	107.87x107.87	18.11	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
106.30	111.81x111.81	18.11	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
110.24	115.75x115.75	18.11	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
114.17	119.69x119.69	19.69	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
118.11	123.62x123.62	19.69	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
122.05	127.56x127.56	19.69	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
125.98	131.50x131.50	19.69	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
129.92	135.43x135.43	19.69	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
133.86	139.37x139.37	19.69	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
137.80	143.31x143.31	19.69	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
141.73	147.24x147.24	19.69	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
145.67	151.18x151.18	19.69	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
149.61	155.12x155.12	19.69	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098

*Other wheel dimensions (between 62.99" and 149.61") are available upon request. Larger casings than minimum are possible.

** 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.