



## 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 2000 to approx. 190 000 Nm<sup>3</sup>/h. 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](https://www.heatex.com) for more information and [Heatex Select](#) for performance calculations.

## TECHNICAL SPECIFICATIONS

# MODEL EQ

### MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

Up to 600 Pa.

### MAXIMUM ALLOWED PRESSURE DROP:

250 Pa.

### 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 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<br>Ø (MM) | CASING (MM) |       |                                   |
|-----------------|-------------|-------|-----------------------------------|
|                 | FRONT       | DEPTH | WELL HEIGHT VERSION**             |
| 1600            | 1740x1740   | 456   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 1700            | 1840x1840   | 456   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 1800            | 1940x1940   | 456   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 1900            | 2040x2040   | 460   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 2000            | 2140x2140   | 460   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 2100            | 2240x2240   | 460   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 2200            | 2340x2340   | 460   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 2300            | 2440x2440   | 460   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 2400            | 2540x2540   | 460   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 2500            | 2640x2640   | 460   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 2600            | 2740x2740   | 460   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 2700            | 2840x2840   | 460   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 2800            | 2940x2940   | 460   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 2900            | 3040x3040   | 500   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 3000            | 3140x3140   | 500   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 3100            | 3240x3240   | 500   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 3200            | 3340x3340   | 500   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 3300            | 3440x3440   | 500   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 3400            | 3540x3540   | 500   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 3500            | 3640x3640   | 500   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 3600            | 3740x3740   | 500   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 3700            | 3840x3840   | 500   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |
| 3800            | 3940x3940   | 500   | 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 |

\*Other wheel dimensions (between 1600 and 3800 mm) 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.