



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 Nm³/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 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	456	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.