

ROTARY HEAT EXCHANGER

MODEL EV

PRODUCT DATA SHEET

Model EV is a high-performing, segmented rotary thermal wheel in for industrial and marine ventilation applications. Typical temperature efficiencies are up to 90%.

Thanks to its segmented wheel Model EV facilitates onsite installation or replacement in narrow spaces. It also provides for lower transportation costs.

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.

Model EV is certified according to Eurovent and AHRI.

With casing Model EV is called Model EQ.

TECHNICAL SPECIFICATIONS

MODEL EV

SIZE Ø:

47.24" - 149.61"

WHEEL DEPTH:

17.95" (for Ø 62.99" - 74.80")

18.11" (for Ø 78.74" - 110.2")

19.69" (for Ø 114.2" - 149.6")

MATRIX MATERIAL:

Aluminum (standard)

Epoxy coated aluminum (improved corrosion protection)

Silica gel (enhanced moisture transfer)

Molecular sieve coated aluminum (enhanced moisture transfer)

Hybrid (aluminum partially coated with silica gel)

Hygromix (silica gel and molecular sieve coated aluminum)

HUB / BEARING:

Fixed shaft for external bearings (standard)

Fixed shaft for internal bearings

AIRFLOW DESIGN (VERTICAL POSITION):

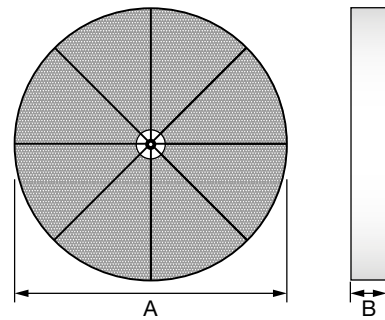
Airflow enters and leaves horizontally

TYPICAL AIRFLOWS:

1 170 - 110 000 CFM

MAXIMUM ALLOWED PRESSURE DROP:

1" WC



MODEL EV RANGE

STANDARD DIMENSIONS (INCHES)*		
A	B	WELL HEIGHT VERSION***
62.99	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
66.93	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
70.87	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
74.80	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
78.74	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
82.68	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
86.61	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
90.55	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
94.49	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
98.43	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
102.36	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
106.30	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
110.24	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
114.17	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
118.11	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
122.05	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
125.98	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
129.92	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
133.86	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
137.80	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
141.73	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
145.67	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
149.61	7.87	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.

**Well height version 0.10 is not available for adsorption material

*** 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.