



ROTARY HEAT EXCHANGER

MODEL O

PRODUCT DATA SHEET

Heatex Model O is a thermal wheel ideal for installation in new air handling units or retrofitting in older units. The wheel is available for both vertical and horizontal assembly.

The characteristics for Model O is the new, unique geometry of the matrix. The wheel is well balanced and has smooth and levelled air in- and outlet sides. Model O is as standard provided with spokes, which give the wheel an excellent mechanical strength. To get an optimized design it is possible to get a customized wheel diameter combined with five optional well heights. Model O is available in aluminum as standard. Options for improved corrosion protection or enhanced moisture transfer are also available.

Significant for all Heatex heat exchangers is the great possibility to narrow down the optimal thermal design within a rich scope of standard design options and materials. Using our calculation tool, Heatex Select, you can easily design your unit to fit your preferences.

TECHNICAL SPECIFICATIONS

MODEL O

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

Up to 2.4" WC.

MAXIMUM ALLOWED PRESSURE DROP:

1.2" WC for below Ø 63 inches.

1.0" WC for larger than Ø 63 inches.

RECOMMENDED PRESSURE DROP:

0.4 - 0.8" WC.

AIR TEMPERATURE LIMITS:

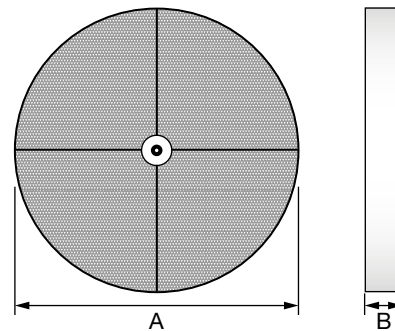
Maximum 149°F and minimum -40°F air temperatures.

BEARINGS:

Standard ball bearings for vertical applications. Angular contact bearings for wheels in horizontal applications.

MATRIX MATERIAL:

Aluminum is standard. Epoxy coated aluminum is an option for improved corrosion protection. Silica gel or molecular sieve coated aluminum are options for enhanced moisture transfer. An aluminum and silica gel coated aluminum hybrid version is also available.



MODEL O RANGE

STANDARD DIMENSIONS (INCHES)*		
A	B	WELL HEIGHT VERSION**
19.69	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
23.62	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
27.56	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
31.50	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
35.43	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
39.37	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
43.31	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
47.24	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
51.18	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
55.12	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
59.06	7.87	0.055 / 0.063 / 0.071 / 0.079 / 0.087 / 0.098
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

*Other dimensions between 19.69 and 98.43 inches are available upon 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.