

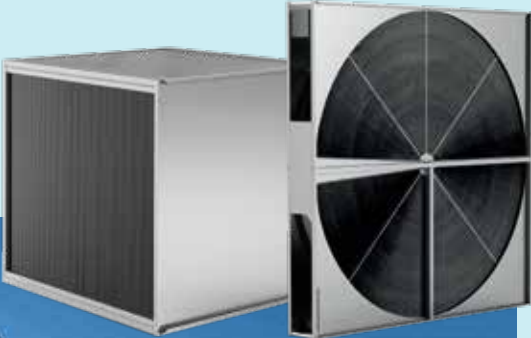
HEATEX

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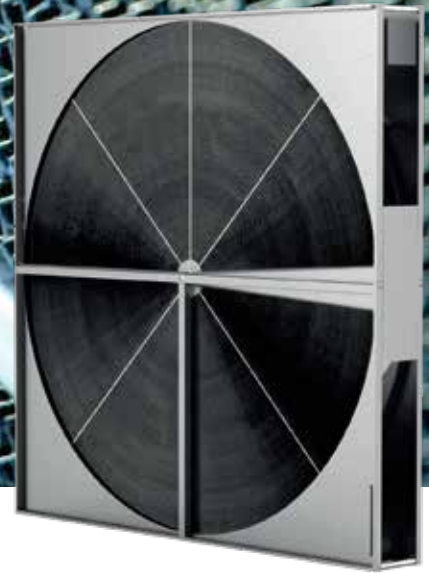


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HEATEX REFERENCE



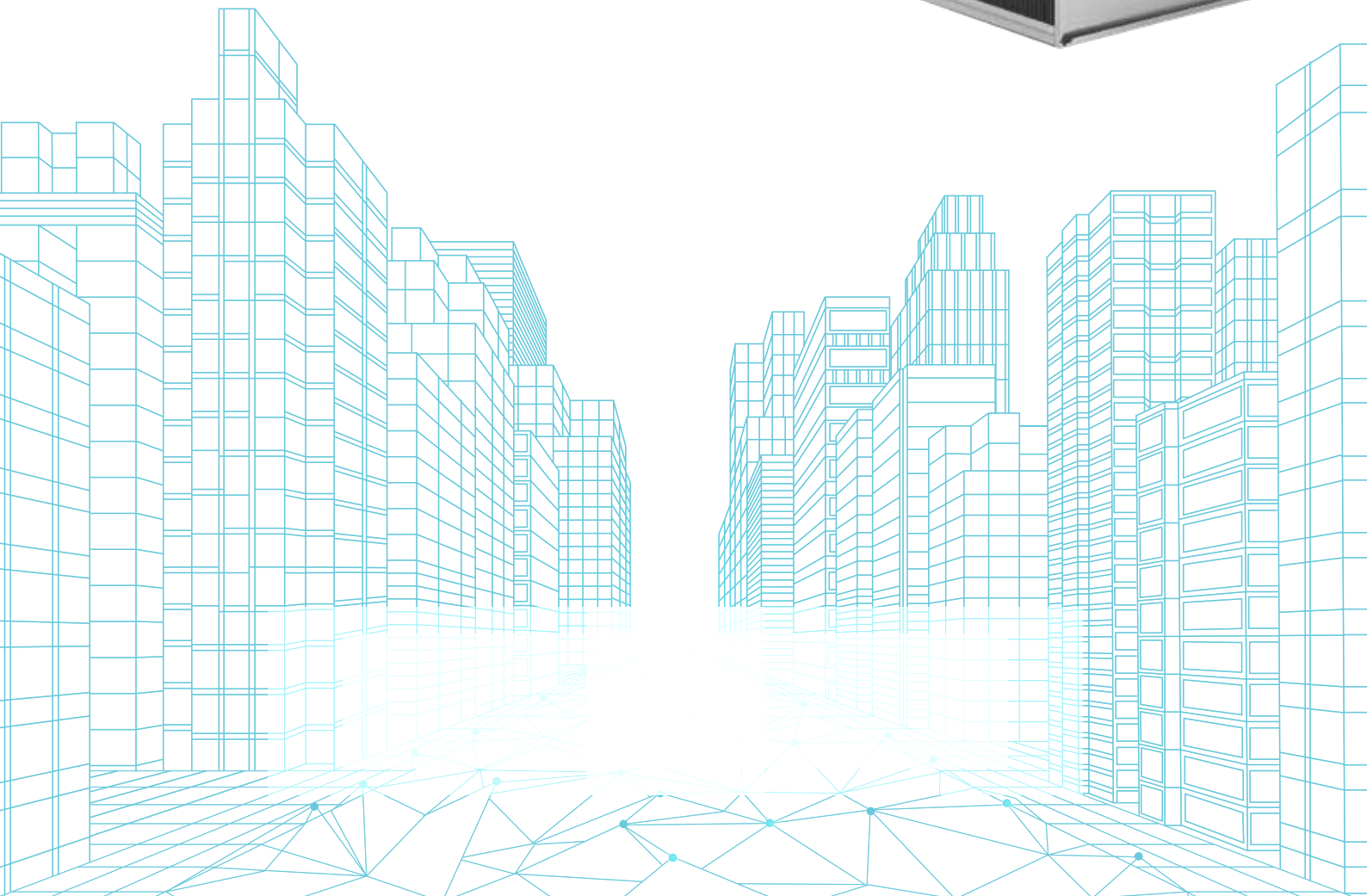
ABOUT US CLIMATE INNOVATION CO.,LTD.



is an authorized distributor HEATEX in Thailand

Many customer trust in our reliability of high quality product and service.

HEATEX is granted Eurovent, AHRI and ILH Berlin certification which gurantee our quality.



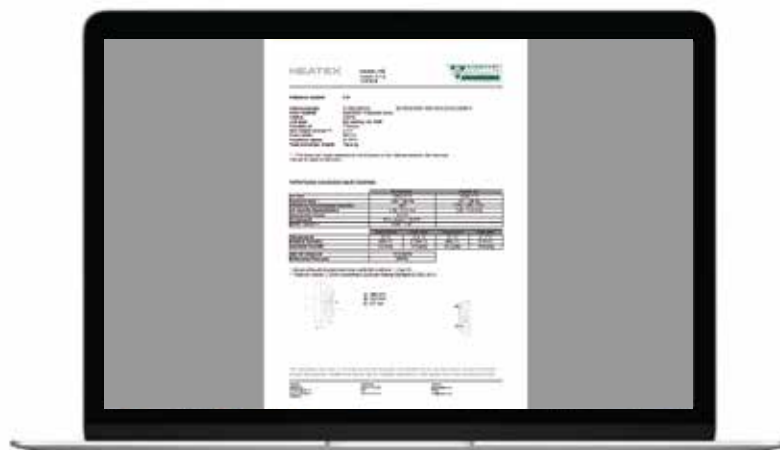
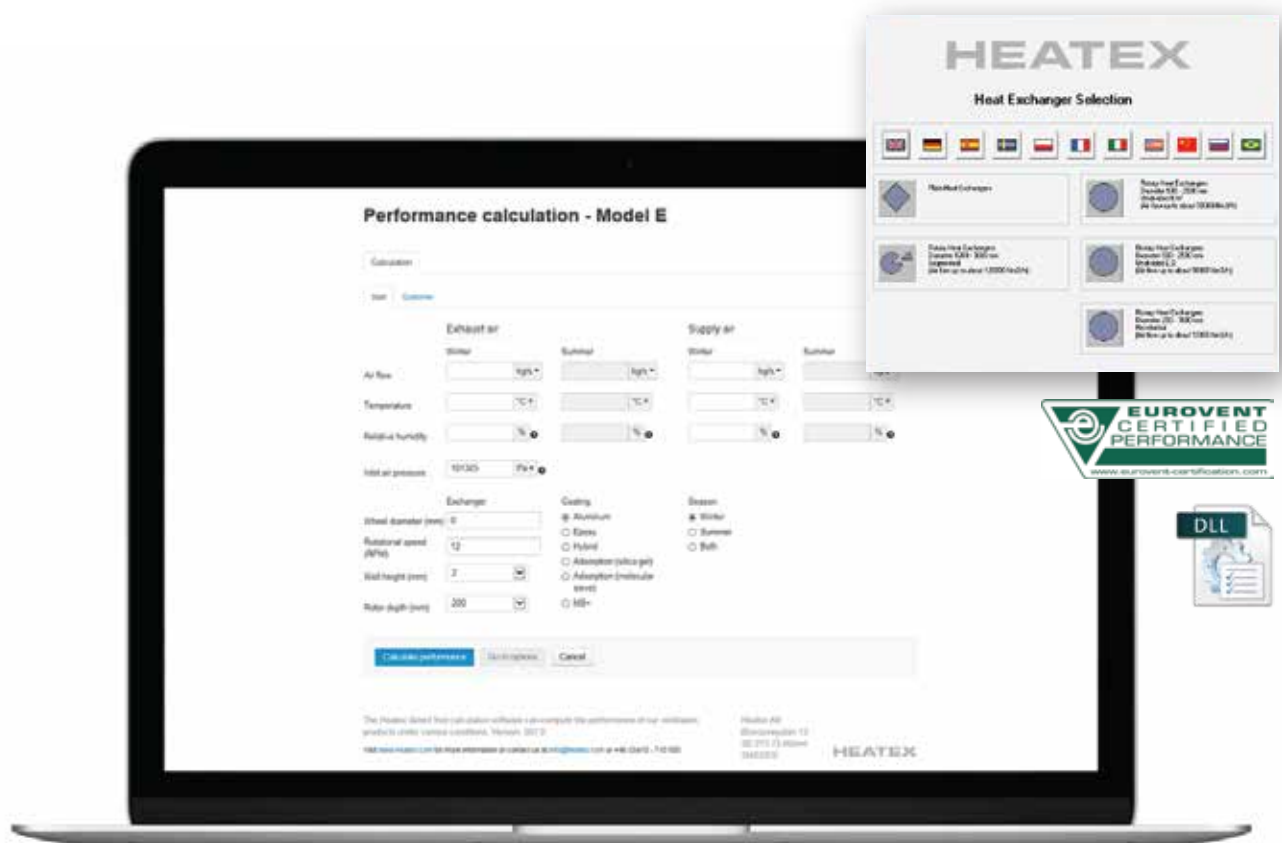
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- Advanced design and calculation software tool.
- Available in online and offline versions at www.heatex.com.
- Available in many languages.
- Eurovent Certified



E

Model E is a high-performing and lightweight rotary heat exchanger designed for air handling units, primarily for comfort ventilation applications. Typical temperature efficiencies are up to 90%.

Model E offers one of the most compact casing available on the market. This gives an exceptional efficiency compared to conventional rotary exchangers with the same casing dimensions. The casing is manufactured from aluzinc or galvanized steel and provides high torsional rigidity.

The airflows may be oriented as side by side or top/bottom, and the complete rotor may be installed in a vertical as well as in a horizontal orientation (optional).

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.

Model E complies with the hygiene standards for comfort ventilation EN13779 and meets the requirements for Ecodesign Lot 6. Model E is certified according to Eurovent and AHRI. Only the wheel, without casing, is called Model O.



MODEL E

TECHNICAL SPECIFICATIONS

SIZE Ø:

- 500 - 2575 mm

CASING DEPTH:

- 276 mm (for Ø 500 - 1100 mm)
- 316 mm (for Ø 1101 - 2575 mm)

MATRIX MATERIAL:

- Aluminum (standard)
- Epoxy coated aluminum (improved corrosion protection)
- Silica gel (enhanced moisture transfer)
- Molecular sieve coated aluminum (enhanced moisture transfer)
- Hygromix (silica gel and molecular sieve coated aluminum)
- Hybrid (aluminum partially coated with silica gel)

CASING MATERIAL:

- Aluzinc (standard) or galvanized steel

HUB / BEARING:

- Ball bearings for vertical applications (standard)
- Angular contact bearings for wheels in horizontal applications

SEALING:

- Brush seal (standard)
- Special seal for better wear resistance and improved tightness

DRIVE UNIT:

- Advanced step drive and control with modbus (standard)
- Inverter ready constant speed drive

AIRFLOW DESIGN (VERTICAL POSITION):

- Air flow enters and leaves side by side (standard) or top to bottom

TYPICAL AIRFLOWS:

- 200 - 90 000 Nm³/h

MAXIMUM ALLOWED PRESSURE DROP:

300 Pa for < Ø1600 mm or 250 Pa for > Ø1600 mm

Owing to continued product development Heatex AB reserves the right to introduce alterations without prior notice. For more detailed information and the latest updates we refer to our website.

MODEL E

TECHNICAL SPECIFICATIONS

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

Up to 600 Pa.

MAXIMUM ALLOWED PRESSURE DROP:

300 Pa for below Ø 1600 mm.

250 Pa for larger than Ø 1600 mm.

RECOMMENDED PRESSURE DROP:

100-200 Pa.

AIR TEMPERATURE LIMITS:

Maximum 65°C and minimum -40°C air temperatures.

MATRIX MATERIAL:

Aluminum. Epoxy coated aluminum is an option for improved corrosion protection. An aluminum and silica gel coated aluminum hybrid version is available as options for enhanced moisture transfer.

CASING MATERIAL:

Aluzinc.

Painted version available as option.

SEALING:

Brush sealings as standard. Special sealing solution available as an option for better wear resistance and improved tightness up to Ø 1800 mm.

AIRFLOW DESIGN:

Horizontal or vertical.

DRIVE UNIT:

Variable stepping motor with operation controller or constant speed drive is available as standard. UL certificate upon request.

MODEL E

STANDARD DIMENSIONS*

WHEEL Ø (MM)	CASING (MM)			WELL HEIGHT VERSION**
	FRONT (VARIABLE MOTOR)	FRONT (CONSTANT DRIVE)	DEPTH	
500	550 x 550	600 x 600	276	1.4 / 1.6 / 1.8 / 2.0 / 2.5
600	650 x 650	700 x 700	276	1.4 / 1.6 / 1.8 / 2.0 / 2.5
700	750 x 750	800 x 800	276	1.4 / 1.6 / 1.8 / 2.0 / 2.5
800	850 x 850	900 x 900	276	1.4 / 1.6 / 1.8 / 2.0 / 2.5
900	950 x 950	1000 x 1000	276	1.4 / 1.6 / 1.8 / 2.0 / 2.5
1000	1050 x 1050	1100 x 1100	276	1.4 / 1.6 / 1.8 / 2.0 / 2.5
1100	1150 x 1150	1200 x 1200	276	1.4 / 1.6 / 1.8 / 2.0 / 2.5
1200	1250 x 1250	1250 x 1250	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5
1300	1350 x 1350	1350 x 1350	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5
1400	1450 x 1450	1450 x 1450	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5
1500	1550 x 1550	1550 x 1550	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5
1600	1650 x 1650	1650 x 1650	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5
1700	1750 x 1750	1750 x 1750	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5
1800	1850 x 1850	1850 x 1850	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5
1900	1950 x 1950	1950 x 1950	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5
2000	2050 x 2050	2050 x 2050	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5
2100	2150 x 2150	2150 x 2150	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5
2200	2250 x 2250	2250 x 2250	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5
2300	2350 x 2350	2350 x 2350	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5
2400	2450 x 2450	2450 x 2450	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5
2500	2550 x 2550	2550 x 2550	316	1.4 / 1.6 / 1.8 / 2.0 / 2.5

*Other dimensions available on 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.

EQ

Model EQ is a high-performing, segmented rotary heat exchanger in a robust galvanized steel casing for industrial and marine ventilation applications. Typical temperature efficiencies are up to 90%.

Thanks to its segmented wheel Model EQ 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.

Air leakage between wheel and casing is minimized with a brush seal allowing easy adjustment, longer lifetime and low friction. The two air streams are also separated by adjustable brush sealants.

Model EQ is certified according to Eurovent and AHRI. Only the wheel, without casing, is called Model EV.



MODEL EQ

TECHNICAL SPECIFICATIONS

SIZE Ø:

- 1600 - 3800 mm

CASING DEPTH:

- 456 mm (for Ø 1600 - 1900 mm)
- 460 mm (for Ø 1901 - 2800 mm)
- 500 mm (for Ø 2801 - 3800 mm)

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)

CASING MATERIAL:

- Galvanized steel

HUB / BEARING:

- Fixed shaft for external bearings (standard)

- Fixed shaft for internal bearings

SEALING:

- Brush seal

DRIVE UNIT:

- Drive and control (VFD)
- Inverter ready constant drive

AIRFLOW DESIGN (VERTICAL POSITION):

- Air flow enters and leaves top to bottom (standard) or side by side

TYPICAL AIRFLOWS:

- 2 000 - 190 000 Nm³/h

MAXIMUM ALLOWED PRESSURE DROP:

- 250 Pa

Owing to continued product development Heatex AB reserves the right to introduce alterations without prior notice. For more detailed information and the latest updates we refer to our website.

MODEL EQ

TECHNICAL SPECIFICATIONS

6

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 dimensions available on 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.

H

Model H is Heatex' original cross flow plate heat exchanger with typical dry temperature efficiency up to 65% for a single pass and 85% for two-step arrangements.

Its well-proven plate design creates turbulence even at lower velocities which, combined with high channel heights, results in a low-pressure drop and a total increase in efficiency.

Model H offers the widest set of options and configurations among our cross flow plate heat exchangers.

Model H is certified according to Eurovent, AHRI, ILH and TuvSud.

A lot of configurations comply with the Ecodesign Lot 6 requirements.



MODEL H

TECHNICAL SPECIFICATIONS

COMBINED MODULES SIZE:

- 200 - 3000 mm

PLATE SIZE:

- 200 mm / 300 mm / 415 mm / 425 mm / 600 mm / 750 mm / 800 mm / 850 mm / 1000 mm

PLATE MATERIAL:

- Aluminium (standard)
- Epoxy coated aluminium (improved corrosion protection)

GABLES:

- Aluzinc (for plate size > 600)
- Aluminium (for plate size < 300)

CORNER PROFILES:

- Aluminium 90° (standard)
- Aluminium 45°
- Aluminium brush profile

MAXIMUM ALLOWED TEMPERATURE AND SEALING:

- 90°C - Silicone free (standard)
- 200°C - Silicone
- 240°C - Silicone

MAXIMUM LEAKAGE (AT 400 PA DIFF. PRESSURE):

- 0.1% of nominal air flow for size > 425 mm
- 1% of nominal airflow for sizes < 425 mm
- 1% of nominal airflow with silicone sealant

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

- < 1800 Pa for most sizes
- < 700 Pa for size 200 and 300

Owing to continued product development Heatex AB reserves the right to introduce alterations without prior notice. For more detailed information and the latest updates we refer to our website.

MODEL H

TECHNICAL SPECIFICATIONS

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

1800 Pa (for size 200 and 300 it is 700 Pa). Influence on pressure drop is described in the technical documentation.

MAXIMUM LEAKAGE:

0.1% of nominal air flow for size 425 mm and above.
1% of nominal airflow for sizes below 425 mm.
1% of nominal airflow for all models with silicone sealant.

MAXIMUM ALLOWED TEMPERATURE:

90°C (200°C with silicone sealant).

PLATE MATERIAL:

Aluminum is standard. Epoxy coated aluminum option for improved corrosion protection.

FRAME MATERIAL:

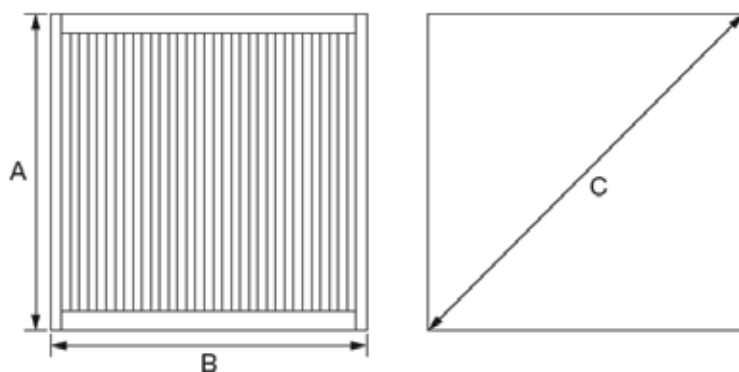
Corner profiles in aluminum and gables in aluzink (type E) or aluminum (type A and C).

SEALING:

Silicone free (max 90°C).
Silicone (max 200°C).

FRAME DESIGNS:

Several combinations of different corner profiles and gables are available. See Options data sheet for more information.



MODEL H RANGE

MODEL	MEASURE (MM)				PLATE DISTANCE (MM)	FRAME DESIGN
	A	B	C45*	C90**		
200	200	100-600	265	283	1.6 / 2.1 / 2.4 / 2.7	1, 2, 3, 4, A, C
300	300	100-600	406	424	1.8 / 2.2 / 3.0 / 4.0 / 5.0	1, 2, 3, 4, A, C
415	415	200-700	548	587	3.3 / 4.2 / 5.0 / 6.5	1, 2, 4, A, C
425	425	200-1000	587	601	3.3 / 4.2 / 5.0 / 6.5	1, 2, 4, E
490	490	250-1000	677	693	2.8 / 3.3 / 4.2 / 5.0	1, 2, 4, E
600	600	250-1200	829	849	2.7 / 3.0 / 4.5 / 6.0 / 7.5 / 9.0 / 10.5 / 12.0	1, 2, 4, E
750	750	300-1200	1041	1061	3.3 / 4.5 / 6.0 / 7.5 / 9.0 / 10.5 / 12.0	1, 2, 4, E
800	800	300-1200	-	1131	3.3 / 4.5 / 6.0 / 7.5 / 9.0 / 10.5 / 12.0	2, 4, E
850	850	300-1200	1183	1202	3.0 / 3.5 / 4.0 / 5.0 / 6.5 / 8.0 / 9.5	1, 2, 4, E
1000	1000	350-1200	1394	1414	3.3 / 3.7 / 5.0 / 6.0 / 7.5 / 9.0 / 10.5 / 12.0	1, 2, 4, E
1200	1200	350-1200	-	1697	2.7 / 3.0 / 4.5 / 6.0 / 7.5 / 9.0 / 10.5 / 12.0	2, 4, E
1500	1500	350-1200	-	2122	3.3 / 4.5 / 6.0 / 7.5 / 9.0 / 10.5 / 12.0	2, 4, E
1700	1700	350-1200	-	2404	3.0 / 4.0 / 4.5 / 5.0 / 6.5 / 8.5 / 10.5 / 12.0	2, 4, E
2000	2000	350-1200	-	2828	3.3 / 3.7 / 5.0 / 6.0 / 7.5 / 9.0 / 10.5 / 12.0	2, 4, E
2250	2250	350-1200	-	3182	3.3 / 4.5 / 6.0 / 7.5 / 9.0 / 10.5 / 12.0	2, 4, E
2550	2550	350-1200	-	3606	3.0 / 4.0 / 4.5 / 5.0 / 6.5 / 8.5 / 10.5 / 12.0	2, 4, E
3000	3000	350-1200	-	4243	5.0 / 6.0 / 7.5 / 9.0 / 10.5 / 12.0	2, 4, E

*45° corner profile.

**90° corner profile.

Owing to continued product development Heatex reserves the right to introduce alterations without prior notice.

H2

Model H2 is our most efficient cross flow plate heat exchanger.

It combines low-weight with high differential pressure resistance and is able to reach typical dry temperature efficiencies above 80%.

The efficiency is improved by its slim profiles and our latest patented plate design, creating high turbulence even at lower velocities while keeping pressuredrop low.

Model H2 is certified according to Eurovent, AHRI, ILH and TuvSud.

Most configurations comply with the Ecodesign Lot 6 requirements.



MODEL H2

TECHNICAL SPECIFICATIONS

COMBINED MODULES SIZE:

- 600 - 3000 mm

PLATE SIZE:

- 600 mm / 700 mm / 750 mm / 850 mm / 1000 mm / 1200 mm

PLATE MATERIAL:

- Aluminum (standard)
- Epoxy coated aluminium (improved corrosion protection)

GABLES:

- Aluzinc (standard)
- Aluminum

CORNER PROFILES

- Aluminium 90° (standard)
- Aluminium 45°

MAXIMUM ALLOWED TEMPERATURE AND SEALING:

- 90°C - Silicone free (standard)
- 200°C - Silicone
- 240°C - Silicone

MAXIMUM LEAKAGE (AT 400 PA DIFF. PRESSURE):

- 0.1% of nominal air flow
- 1% of nominal airflow with silicone sealant

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

- 1800 - 3000 Pa, depending on plate spacing
- > 3000 Pa for plate spacing above 4 mm

For H2 1200/2400:

- 1500 - 1800 Pa for plate spacing 2.0 mm - 3.0 mm
- > 3000 Pa for plate spacing above 4 mm

Owing to continued product development Heatex AB reserves the right to introduce alterations without prior notice. For more detailed information and the latest updates we refer to our website.

MODEL H2

TECHNICAL SPECIFICATIONS

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

Up to 3000 Pa, depending on plate spacing.

MAXIMUM LEAKAGE:

0.1% of nominal air flow with non-silicone at 400 Pa differential pressure.

1% of nominal airflow for all models with silicone sealant.

MAXIMUM ALLOWED TEMPERATURE:

90°C (200°C with silicone sealant).

PLATE MATERIAL:

Aluminum is standard. Epoxy coated aluminum available for better corrosion protection.

FRAME MATERIAL:

Corner profiles 90 in aluminum and gables in aluzink (type E).

SEALING:

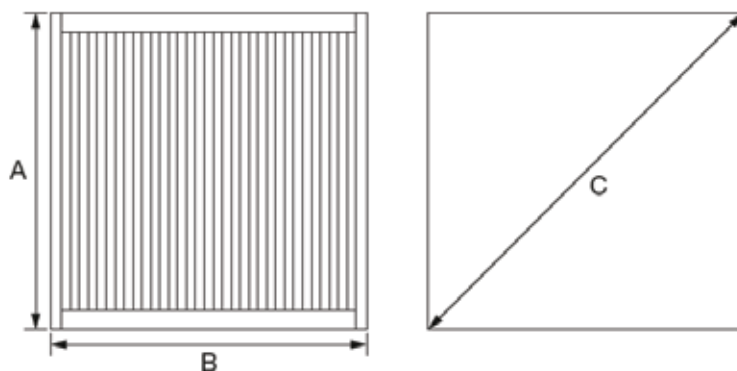
Silicone free (max 90°C).

Silicone (max 200°C).

FRAME DESIGNS:

Model H2 is available in one standard frame design 2 E.

See Options data sheet for more information.



MODEL H2 RANGE

MODEL	MEASURE (MM)				FRAME DESIGN
	A	B	C90**	PLATE DISTANCE (MM)	
500	500	250-1200	707	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E
600	600	250-1200	849	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E
700	700	300-1200	990	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E
750	750	300-1200	1061	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E
850	850	300-1200	1202	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E
1000	1000	350-1200	1414	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E
1200	1200	350-1200	1697	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E
1400	1400	350-1200	1980	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E
1500	1500	350-1200	2122	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E
1700	1700	350-1200	2404	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E
2000	2000	350-1200	2828	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E
2250	2250	350-1200	3182	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E
2550	2550	350-1200	3606	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E
3000	3000	350-1200	4243	2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0	2, E

**90° corner profile.

Owing to continued product development Heatex reserves the right to introduce alterations without prior notice.

EN

Model EN is a high-performing small rotary heat exchanger without casing, designed to be fitted directly inside an air handling unit or mounted in a cassette, primarily for residential ventilation applications.

Typical temperature efficiencies are between 75-80%, but with design optimization, the efficiency can approach 90%.

The product holds a smaller diameter hub and bearing which maximizes the airflow for small residential air handlers.

Further, a glued aluminum wrapping allows for high output and durability.

Model EN is available in different widths, adding one more dimension for perfection in residential air handling design.

Model EN is certified according to Eurovent.



MODEL EN

TECHNICAL SPECIFICATIONS

SIZE Ø:

- 200 - 500 mm (Larger diameters on request)

WHEEL DEPTH:

- Available in 100, 150 and 200 mm widths

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)

HUB / BEARING:

- Ball bearing with shaft (standard)

TYPICAL AIRFLOWS:

- 50 - 2 000 Nm³/h

MAXIMUM ALLOWED PRESSURE DROP:

- 300 Pa

Owing to continued product development Heatex AB reserves the right to introduce alterations without prior notice. For more detailed information and the latest updates we refer to our website.

MODEL EN TECHNICAL SPECIFICATIONS

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

2.4" WC.

MAXIMUM ALLOWED PRESSURE DROP:

1.2" WC.

RECOMMENDED PRESSURE DROP:

0.4 - 0.8" WC.

AIR TEMPERATURE LIMITS:

Maximum 149°F.

Minimum -40°F.

HUB / BEARING:

Standard ball bearing with shaft.

MATRIX MATERIAL:

Aluminum (standard).

Epoxy coated aluminum (improved corrosion protection).

Silica gel or molecular sieve coated aluminum (enhanced moisture transfer).

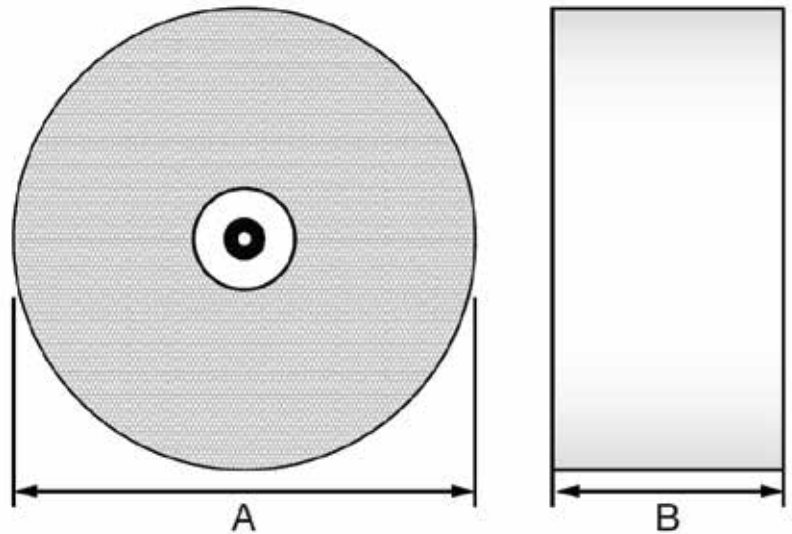
Hybrid (aluminum partially coated with silica gel).

WHEEL DEPTH:

All options are available in 3.94", 5.91" and 7.87" widths.

AIRFLOW:

30 - 1177 CFM.



MODEL EN RANGE

STANDARD DIMENSIONS (INCHES)*

A	B	WELL HEIGHT VERSION*
7.87 - 19.69	3.94 / 5.91 / 7.87	0.05** / 0.06 / 0.07 / 0.08

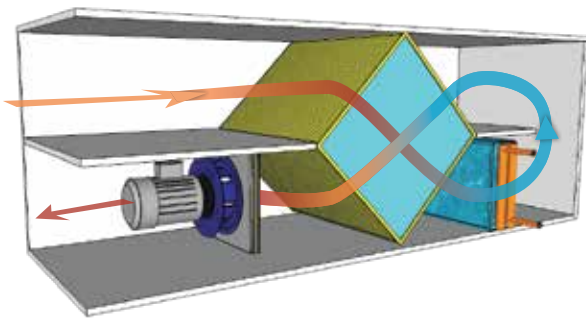
A) Available in steps of 0.039 inches (1mm) increments. For larger diameters contact Heatex.

* The exact well height depends on the thickness of the material selected.

** Only available in Aluminum, Epoxy and Hybrid.

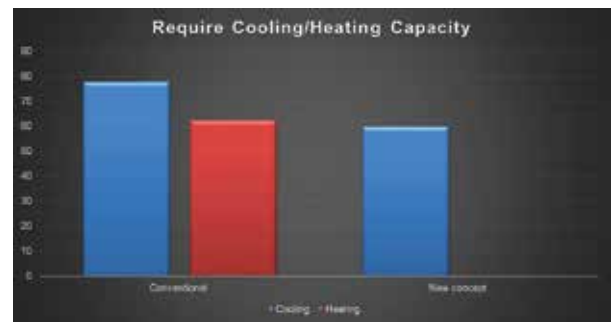
HOW TO APPLY PLATE HEAT EXCHANGER

Make Up Air Handling Units with Cooling and Heating Recovery



Dehumidification and Reheat

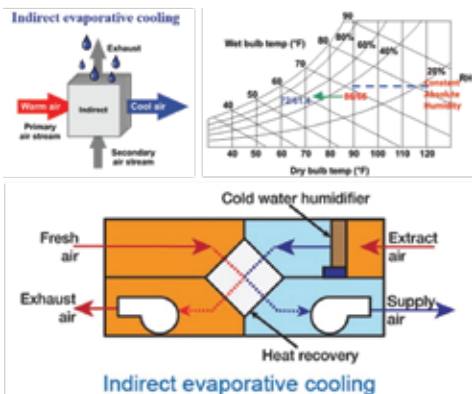
Air upstream is passed through PHE to the cooling coil at downstream, gets dehumidified and recirculate back to PHE to be reheated before exiting



Results

- Free pre-cooling capacity, chilled water energy saving (more than 23% savings),
- Free re-heating, zero energy required
- Easy controllable
- Simple and Inexpensive Installation / Low cost

Make Up Air Handling Units with Indirect Evaporative Cooling



Advantages of indirect evaporative cooling :

- Reduces DX/chilled water cooling requirements for fresh air. Cuts mechanical cooling costs 25% to 65%.
- Increases existing equipment cooling capacities without adding mechanical cooling.
- Environmentally friendly - evaporative cooling does not use chlorofluorocarbons (CFCs), No ozone depletion

In-direct evaporative cooling

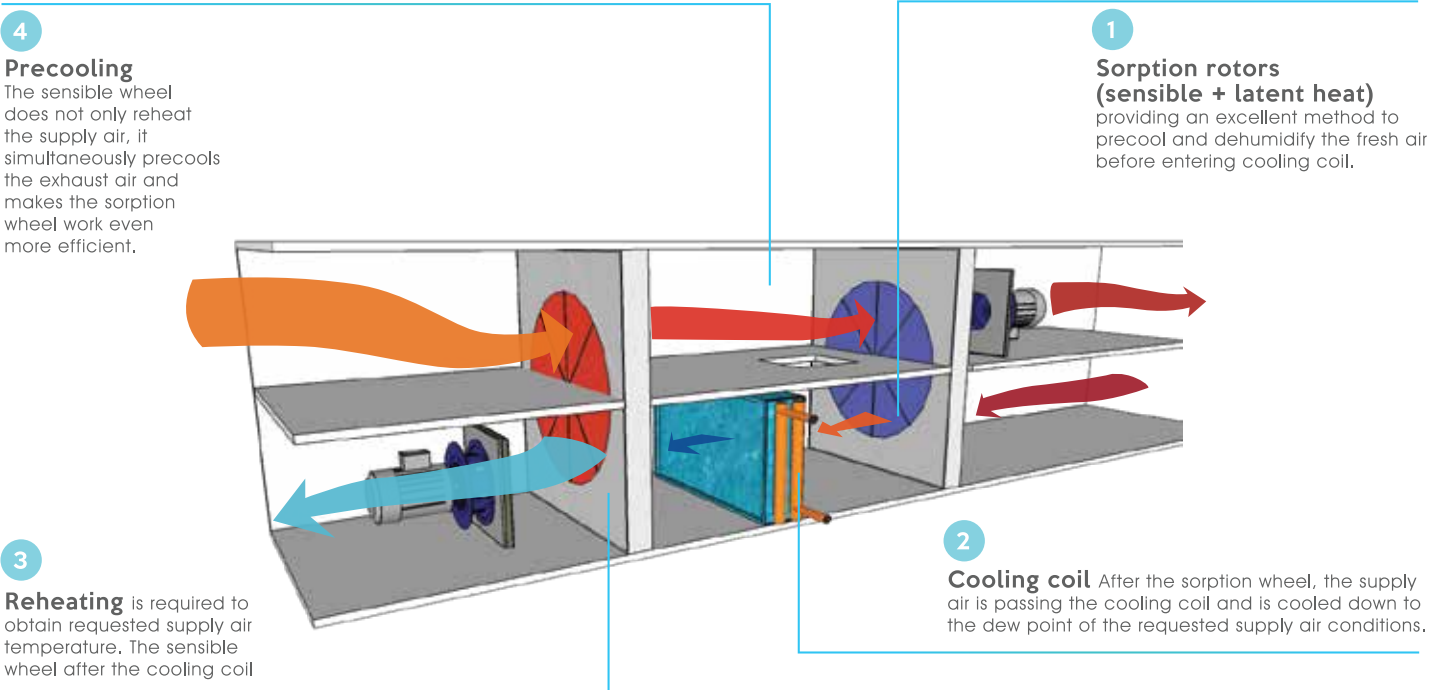
reduces the temperature without internal and external air streams mixing or moisture being added to the internal air

Exhaust air cooling

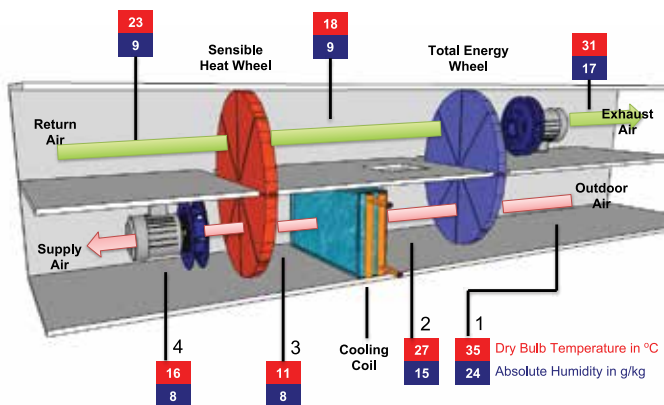
reduces the temperature of the incoming fresh air without adding moisture

HOW TO APPLY HEAT WHEEL (DOAS CONCEPT)

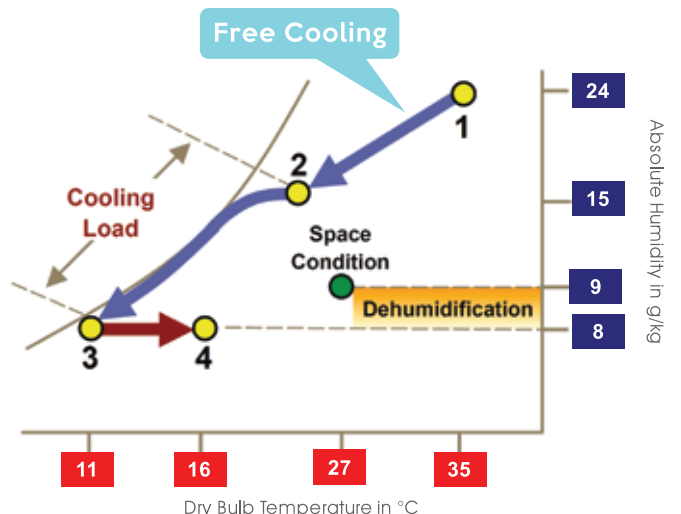
Make Up Air Handling Units with Double Rotor Air-to-Air Energy Recovery



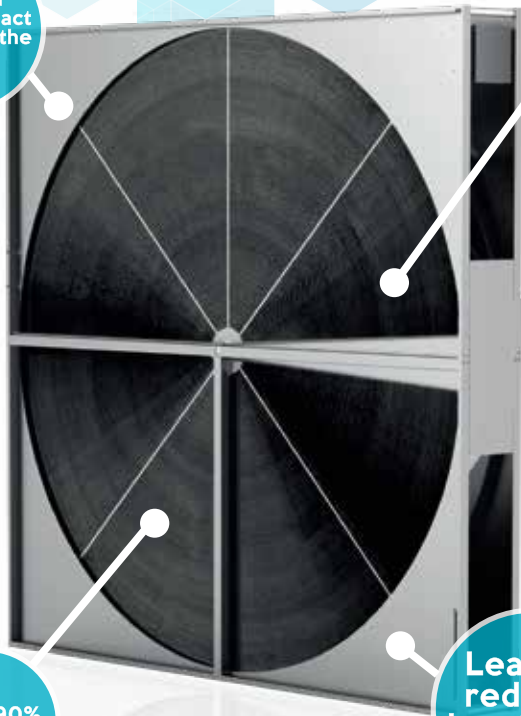
Air Flow Diagram



Psychrometric Chart



+ 50mm
Most compact
casting on the
market



High
Efficiency
Matrix



สูงสุดด้วยประสิทธิภาพ
การแลกเปลี่ยนถึง
90%

เพราะแลกเปลี่ยนทั้ง
sensible และ latent heat



ช่วยให้การควบคุมอุณหภูมิ
และความชื้นของระบบ
ปรับอากาศดีขึ้น



ลดขนาดเครื่องทำความเย็น
และซิลเลอร์ลง

Up to 90%
efficiency

Leakage
reduced
by at least
50%

ทางเลือกใหม่ของ การประหยัดพลังงาน



หมดกังวลเรื่อง
การปนเปื้อนหรือ
cross contamination

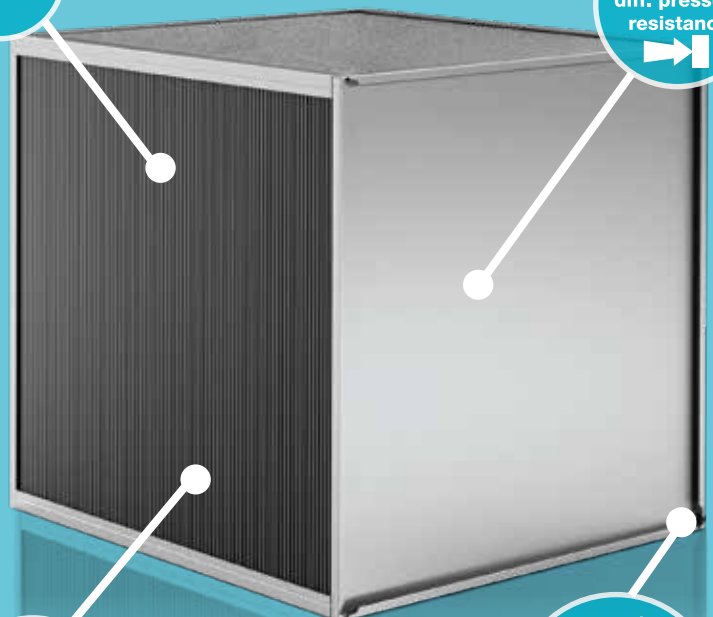


ประสิทธิภาพ
การแลกเปลี่ยน
สูงถึง 75%



ลดขนาดเครื่องเย็น
และซิลเลอร์

High
Efficiency
Pattern



Up to 5000 pa
diff. pressure
resistance

Lower
pressure
drop

75%
smaller
frame



CATALOGUE



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