



E

**THE PROMISE
THE PROOF
HEATEX**

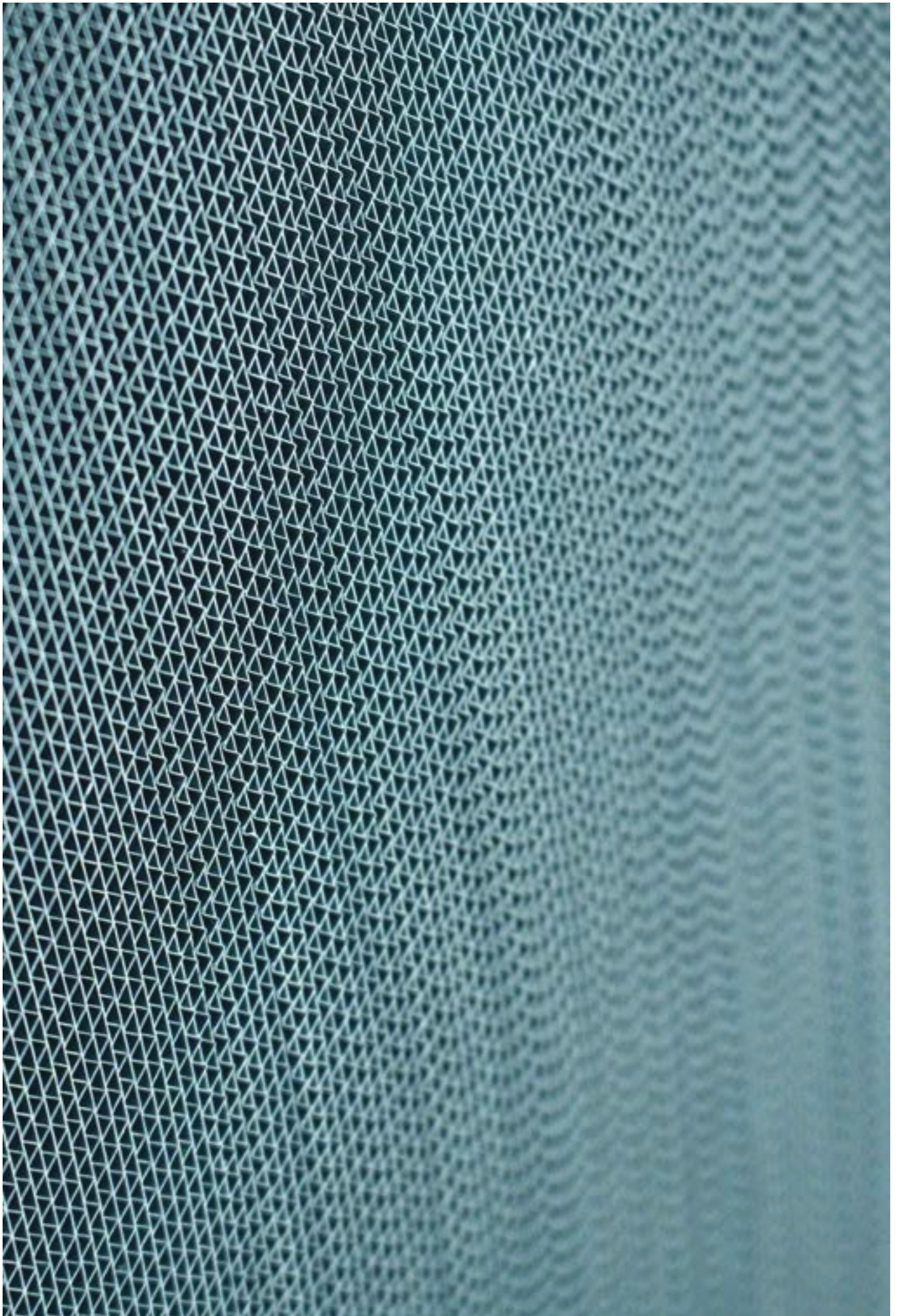
AIR-TO-AIR HEAT EXCHANGERS

HEATEX

ROTARY HEAT EXCHANGERS

Heatex offers a broad range of rotary heat exchangers spanning applications from small residential installations up to large commercial installations. Rotary heat exchangers are often the preferred choice thanks to the low freezing risk as the wheels by definition defrost themselves, their compact size and the high sensible efficiency that they provide. The possibility of adding coating to the wheel, which allows latent transfer, is another factor favoring these products.

Heatex rotary heat exchangers can be equipped with a purge sector in order to minimize the cross contamination of fresh air with exhaust air.



THE PROMISE: WE ONLY DO WHAT WE DO BEST

Heatex has developed and manufactured heat exchangers since the early 1960s. Heat exchangers are what we know and what we focus on. Instead of constantly expanding into other businesses we refine and improve what we do best.

When developing new products, we always work in close collaboration with our customers and suppliers. We study market demands, do live tests and review future trends of energy prices and regulations. We have our own testing facilities with state of the art lab equipment to make sure that we don't make promises we can't keep.

With the Model E, we especially aimed at creating a rotary heat exchanger that has the best casing area usage possible in order to reduce the shadow in the AHU to a minimum and combine it with the most efficient matrix available.

THE PROOF: MODEL E – A HIGH EFFICIENCY COMPACT ROTARY HEAT EXCHANGER

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.

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.



HEATEX ROTARY HEAT EXCHANGERS

All Heatex rotary heat exchangers share the same high-efficiency matrix and a wide variety of well-heights to suit various performance requirements. All units are produced at our global production facilities with our proprietary production equipment according to the same standardized processes, ensuring uniform product quality and favorable lead times worldwide.

ADVANTAGES:

HIGH EFFICIENCY

Heatex rotary exchangers provide high sensible and latent efficiencies.

LOW FREEZING RISK

Rotary heat exchangers offer a very low freezing risk as the wheels by definition defrost themselves.

MINIMAL CROSS CONTAMINATION

Models with casing are fitted with seals for excellent airtightness and can be equipped with purge sectors to minimize the cross-contamination of exhaust air into the supply air.

HUMIDITY TRANSFER

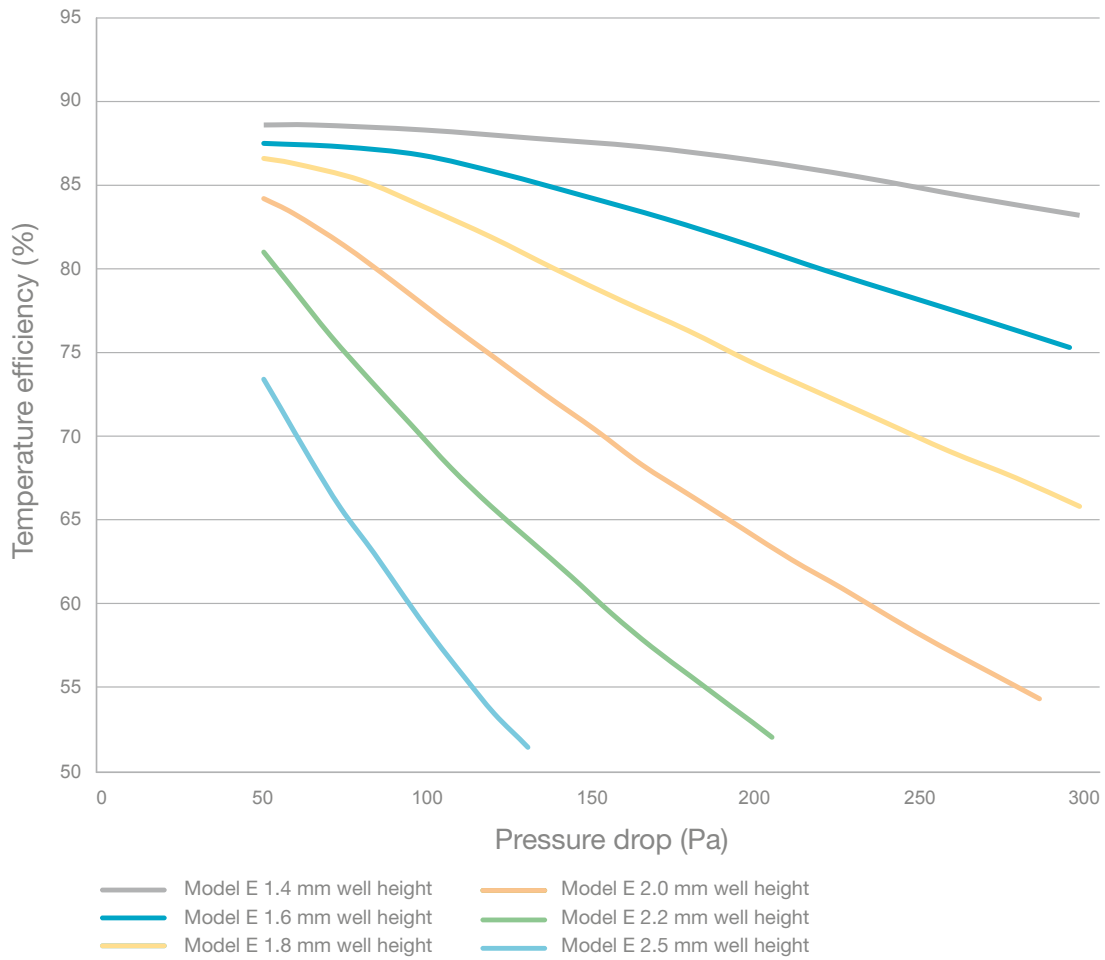
The possibility of adding various coatings to the wheel, which allows latent transfer or increased corrosion protection.

WIDE RANGE OF OPTIONS

We offer an extensive range of options regarding sizes and material to suit various application and performance requirements.

PERFORMANCE CURVES

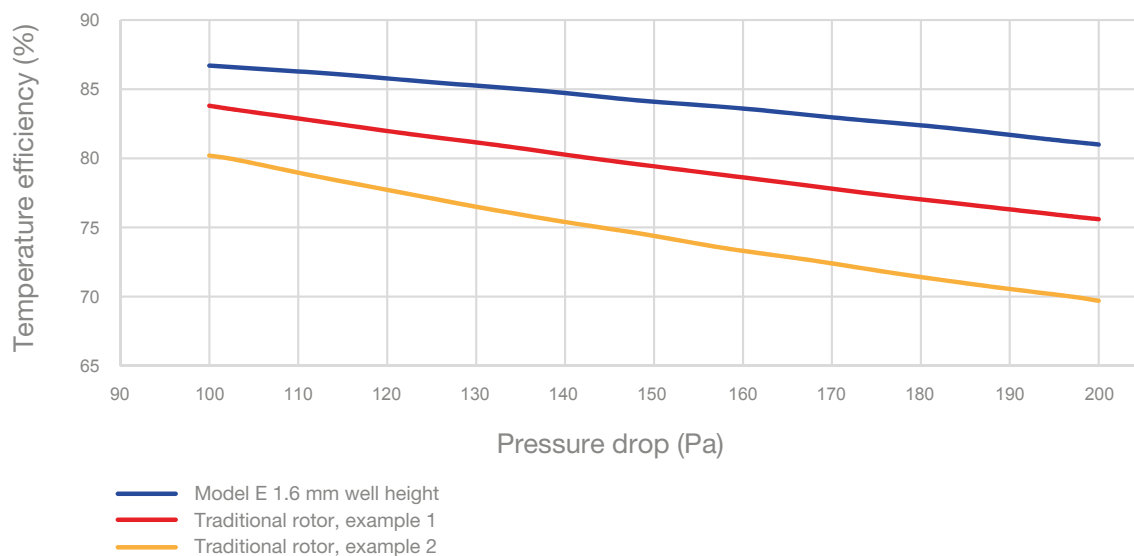
MODEL E WELL HEIGHTS



PERFORMANCE CURVES

MODEL E VS. CONVENTIONAL ROTARY HEAT EXCHANGERS

Casing size 1500 x 1500 mm. Well height 1.6 mm.



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

THE PROMISE:

With Heatex as the leader of air to air heat transfer, you will have the best possible partner for your heat transfer challenges.

THE PROOF:

With a global team of sales and technical support, Heatex responds quickly to inquiries with an optimized solution for your application.

All Heatex products are custom made and designed to match the customer's technical specifications.

We have a well-established reputation of being honest, reliable and hold several certifications for product and operation quality worldwide, including Eurovent, AHRI, GOST, RLT-Hygiene and ISO 9001.

Our products are field tested and proven to have high efficiency and a fast ROI.

HEATEX SELECT

Heatex Select, our calculation software, is always available online for free at heatex.com.

It enables accurate calculations of product performance under different conditions.



ILH BERLIN



Heatex is a global manufacturer of air-to-air heat exchangers. The company was founded in the '60s, and incorporated into Heatex AB in 1987.

The company uses advanced algorithms to design and improve its products. These are based on scientific calculations within thermodynamics, the fundamentals of heat transfer and fifty years of practical experience of heat transfer processes.

Heatex products are well known for providing high energy recovery and for enabling a fast return on investment. The company has a history of steady growth and has over the years established itself as the market and technology leader of air-to-air heat transfer.