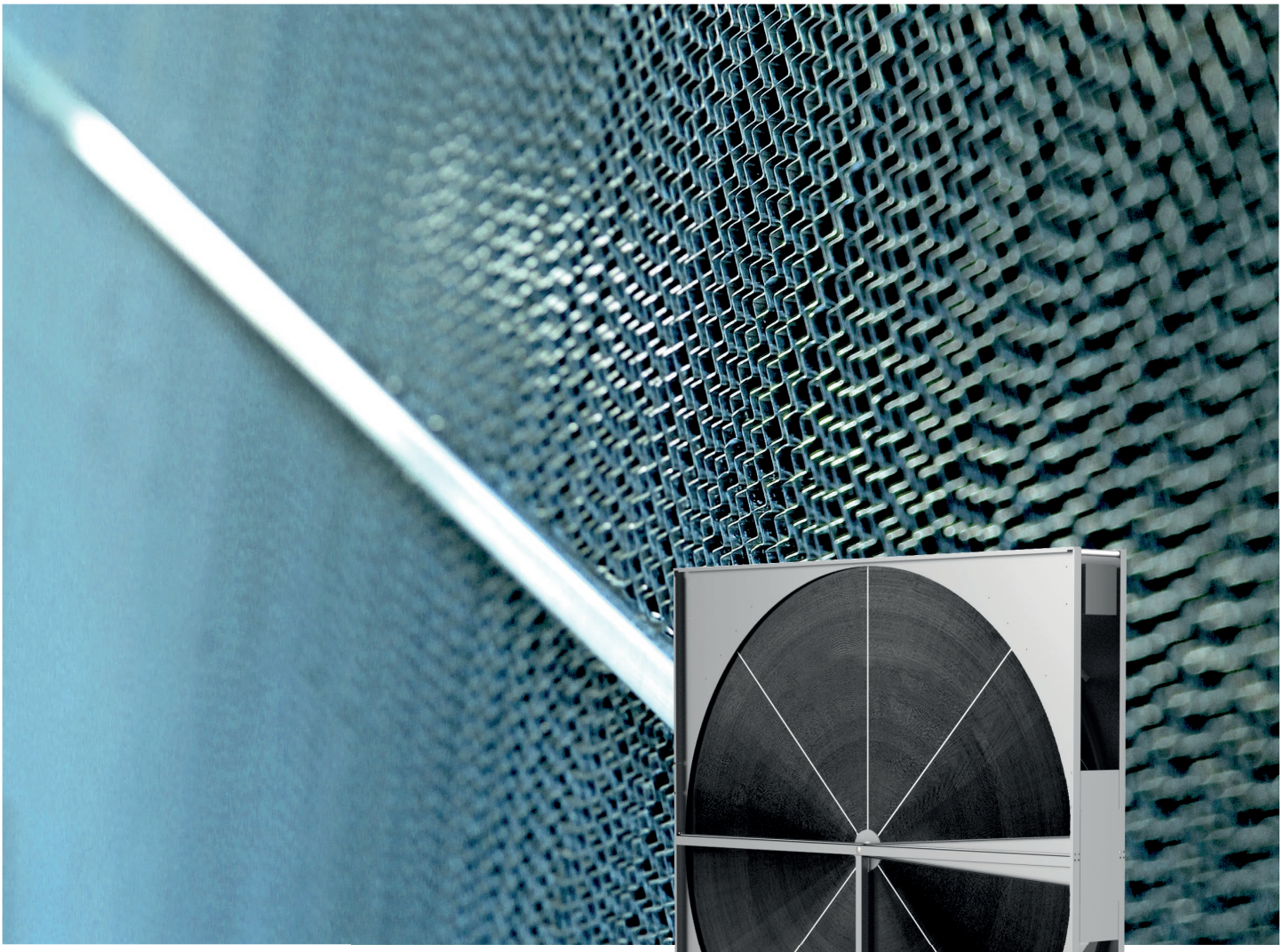

ROTARY HEAT EXCHANGER

MODEL E

PRODUCT DATA SHEET

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 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 air streams are also separated by adjustable brush sealants.

Model E's performance is certified according to Eurovent, AHRI and TüvSüd. Model E also meets several hygiene requirements.

Only the wheel, without casing, is called Model O.

TECHNICAL SPECIFICATIONS

MODEL E

SIZE Ø:
500 - 2575 mm

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

MATRIX MATERIAL:
Aluminum (Condensation)
Epoxy (Condensation)
Hybrid with silica gel (Enthalpy)
Hybrid with molecular sieve (Enthalpy)
Silica gel (Adsorption)
Molecular sieve (Adsorption)

CASING MATERIAL:
Galvanized steel

HUB:
Ball bearing with shaft
Ball bearing with shaft, corrosion resistant

SEALING:
Brush seal
Special seal for better wear resistance and improved tightness

DRIVE UNIT:
Advanced step drive and control with modbus
Inverter ready constant speed drive

EXCHANGER ORIENTATION:
Vertical or horizontal

AIRFLOW CAPACITY:
200 - 90 000 Nm3/h

MAXIMUM ALLOWED PRESSURE DROP:
300 Pa for < Ø1600 mm or 250 Pa for > Ø1600 mm

MODEL E STANDARD DIMENSIONS*

ROTOR	CASING (MM)			
Ø (MM)	FRONT (VARIABLE MOTOR)	FRONT (CONSTANT DRIVE)	DEPTH	WELL HEIGHT VERSION**
500	550 x 550	600 x 600	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
600	650 x 650	700 x 700	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
700	750 x 750	800 x 800	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
800	850 x 850	900 x 900	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
900	950 x 950	1000 x 1000	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1000	1050 x 1050	1100 x 1100	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1100	1150 x 1150	1200 x 1200	276	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1200	1250 x 1250	1250 x 1250	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1300	1350 x 1350	1350 x 1350	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1400	1450 x 1450	1450 x 1450	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1500	1550 x 1550	1550 x 1550	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1600	1650 x 1650	1650 x 1650	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1700	1750 x 1750	1750 x 1750	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1800	1850 x 1850	1850 x 1850	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
1900	1950 x 1950	1950 x 1950	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2000	2050 x 2050	2050 x 2050	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2100	2150 x 2150	2150 x 2150	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2200	2250 x 2250	2250 x 2250	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2300	2350 x 2350	2350 x 2350	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2400	2450 x 2450	2450 x 2450	316	1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5
2500	2550 x 2550	2550 x 2500	316	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.