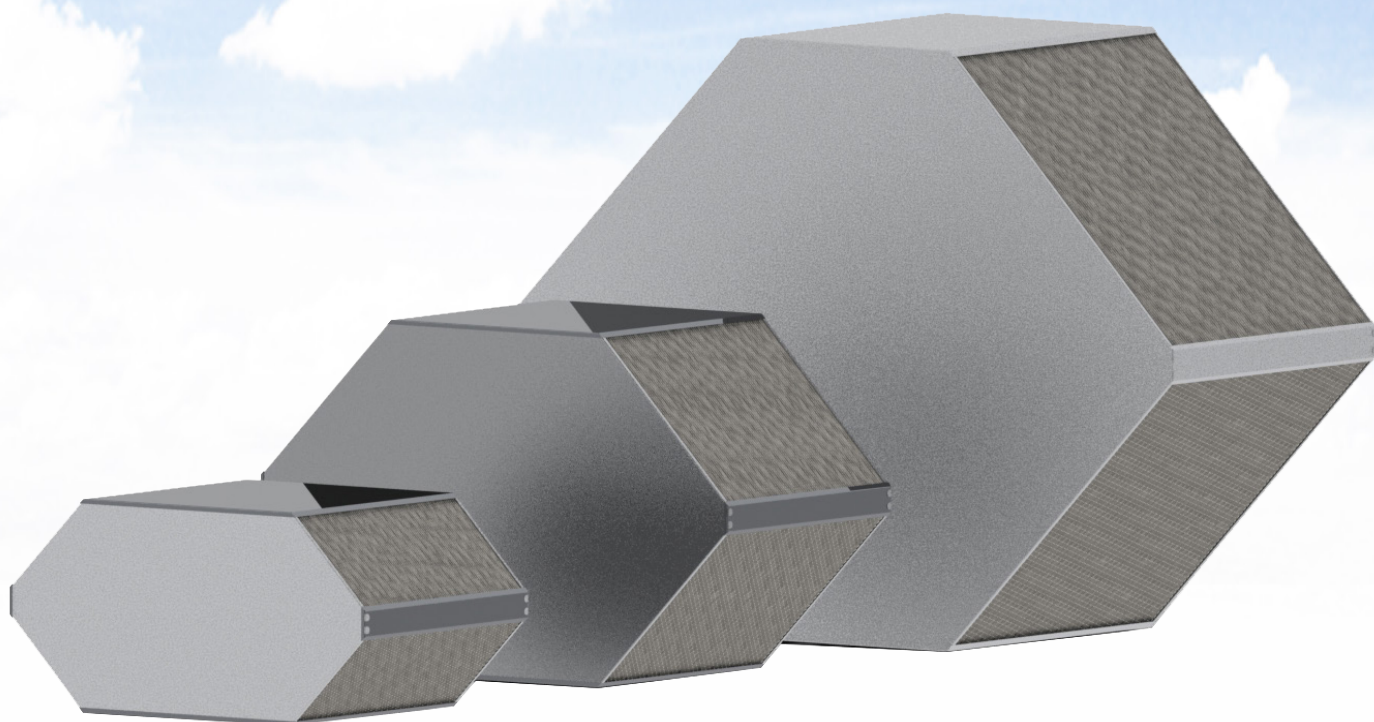


 **TANGRA**<sup>®</sup> *with care for your comfort!*

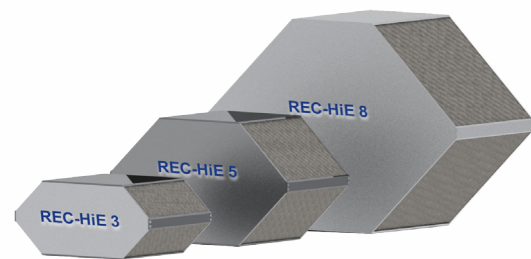
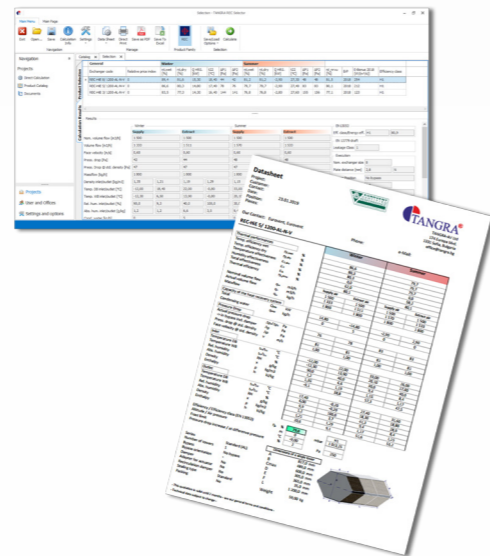
**HIGH EFFICIENCY  
PLATE HEAT EXCHANGERS  
TANGRA REC-HiE**



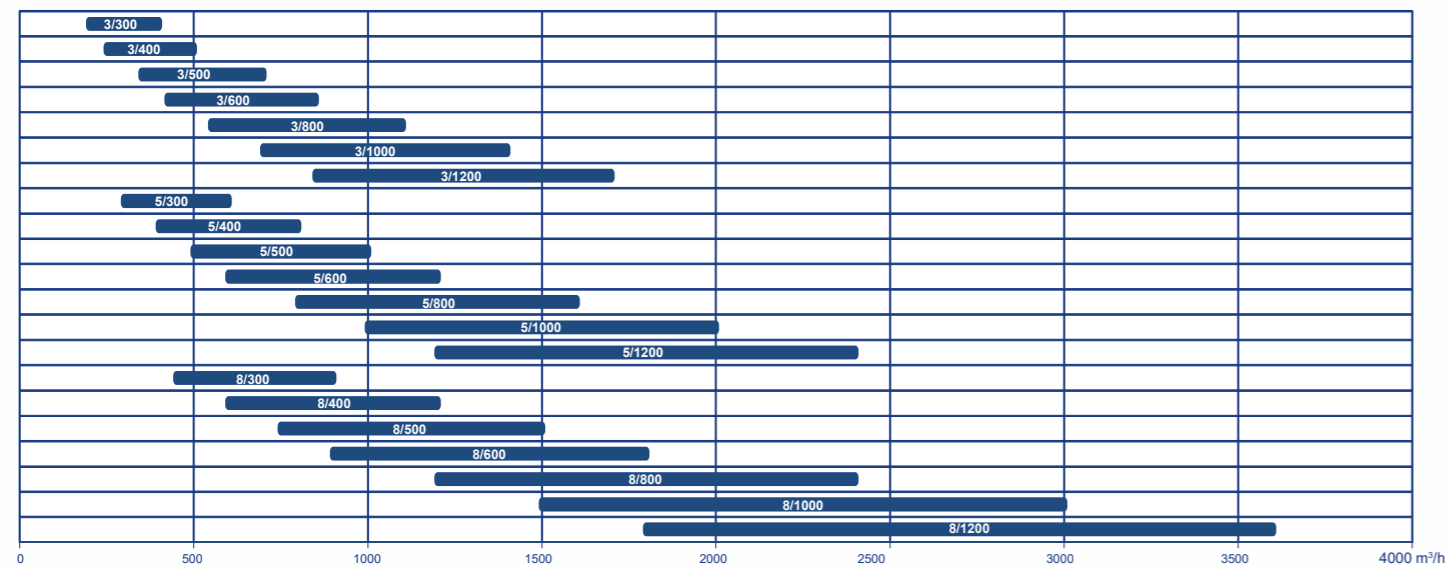
**TANGRA** is a European HVAC producer since 1989 and has considerable experience in production of plate heat exchangers, dating back to 1992. Striving to obtain the highest efficiency and quality standards together with the most innovative technologies, TANGRA continuously improves and optimizes the series of manufactured modifications. Our own specially designed in-house machine technology allows us to produce lamellas with specific design, which obtain *highest efficiency at lowest pressure drop levels*.

**TANGRA REC-HiE** are made of aluminum lamellas that transfer sensible heat and guarantee no transfer of humidity, odor or contaminations. All exchangers ensure high efficiency, low pressure drop and perfectly comply with directive for **Ecodesign ErP 2016** and **ErP 2018**. All exchangers of TANGRA characterize with long life cycle, solidity and tightness, which allows installing not only in standard range of air handling units, but also in hygienic applications under **VDI6022** and **DIN1946**.

- Efficiency EN308 over 78% (dry)
- Pressure drop – one of the lowest on the market
- No odor or contamination transfer
- By-pass option available
- Free calculation software
- Eurovent certified



Air flow volume

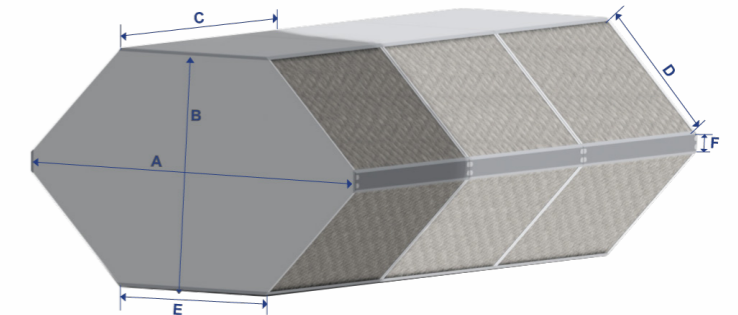


Model REC-HiE	Air flow (m3/h)		Pressure drop (Pa)		Efficiency % * (wet)		Efficiency % ** (dry)		Mass kg
	Vmin	Vmax	min	max	max	min	max	min	
3/300	200	400	69	193	85.8	82.8	79.6	76.9	10,3
3/400	250	500	63	171	86.1	83.1	79.9	77.2	14,2
3/500	300	600	59	159	86.3	83.3	80.1	77.3	17,1
3/600	400	800	67	187	85.9	82.9	79.7	77.0	19,7
5/300	300	600	68	200	86.7	84.0	80.8	78.4	18,7
5/400	400	800	67	197	86.7	84.0	80.9	78.4	23,0
5/500	500	1000	67	195	86.8	84.1	80.9	78.4	26,9
5/600	600	1200	67	194	86.8	84.1	80.9	78.4	31,8
8/300	500	800	88	184	86.6	85.1	80.7	79.4	39,2
8/400	700	1200	94	218	86.4	84.7	80.6	79.1	48,6
8/500	850	1500	89	216	86.5	84.8	80.7	79.1	57,9

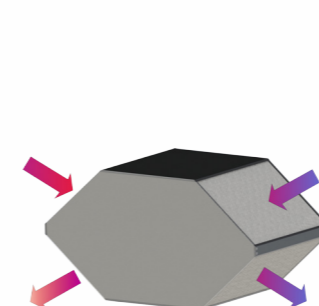
\* - Fresh air -5°C, rH 90%; Exhaust air 25°C, rH 50%  
 \*\* - Efficiency without condensation

Longer heat exchangers are combinations on modular principle from the basic lengths, specified above.

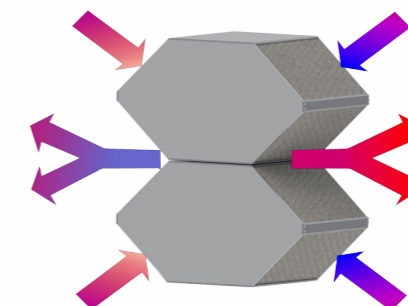
For detailed calculations, please, use our selection software.



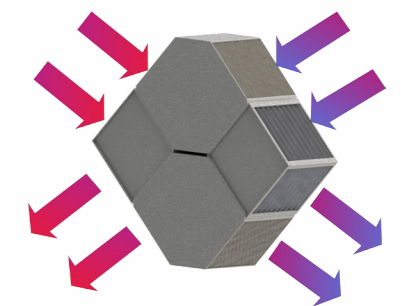
Model	A	B	C	D	E	F
REC-HiE 3	620	293	300 + 600	164	365	35
REC-HiE 5	815	486	300 + 600	301	365	35
REC-HiE 8	1147	826	300 + 500	534	365	42



REC-HiE



REC-HiE Double



REC-HiE Premium



## Europe Sales & Service



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Mobile: +359 887 73 73 75

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**Burgas**,  
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