



*with care for your comfort
since 1989!*



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

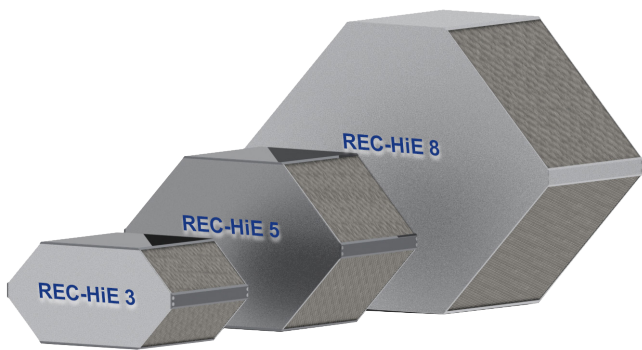


ver. 06/2026



<https://tangra.bg>

DESCRIPTION :



TANGRA REC HiE are Eurovent certified

TANGRA REC HiE heat exchangers are high-efficiency counter-flow plate heat exchangers designed for ventilation and air conditioning systems. The REC HiE series features a unique aluminum plate geometry that transfers sensible heat while ensuring no transfer of humidity, odors, or contaminants. These exchangers deliver exceptional efficiency, minimal pressure drop, and full compliance with the *Ecodesign ErP 2018*.

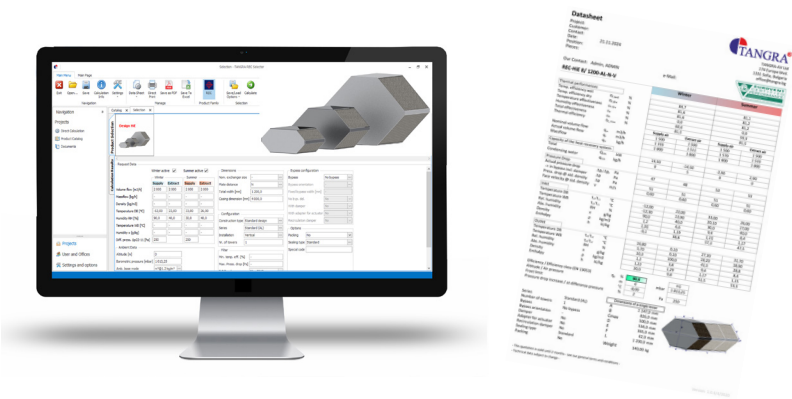
TANGRA REC HiE heat exchangers are distinguished by their durability, tightness and long life cycle. This makes them suitable for installation in both standard and hygienic air handling units, in accordance with **VDI 6022** and **DIN 1946**.

ADVANTAGES & CHARACTERISTICS :

- Efficiency up to 90%
- Unique plate geometry
- One of the lowest pressure drop
- Factory leak-tested
- Meet hygieneic requirements: VDI 6022 & DIN 1946
- No odor or contamination transfer
- By-pass option available

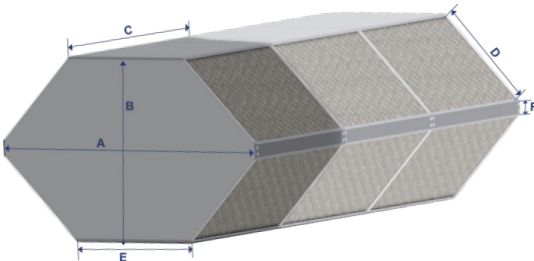
SELECTION SOFTWARE :

- Eurovent certified software
- Summer & Winter selection
- Free stand-alone software

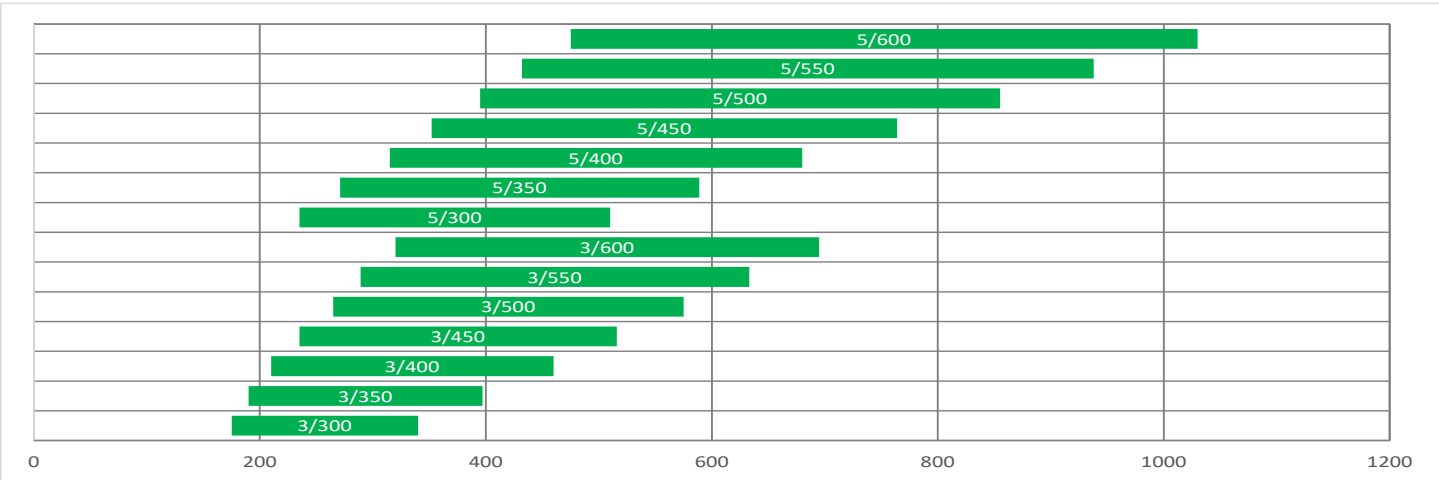


MODELS :

Model	A	B	C	D	E	F
TANGRA REC HiE 3	620	293	300 ÷ 600	166	365	35
TANGRA REC HiE 5	815	486	300 ÷ 600	305	365	35



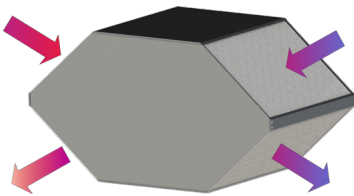
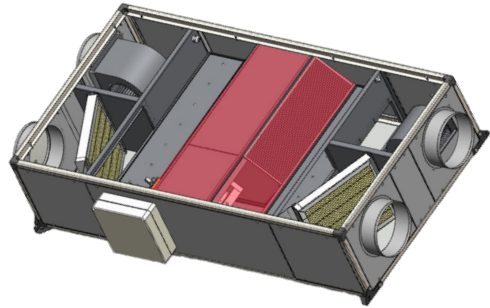
AIR VOLUME :



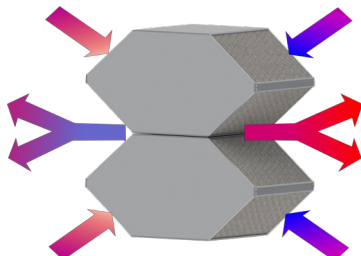
TANGRA REC HiE	Air flow [m³/h]		Pressure drop [Pa]		Efficiency % * [wet]		Efficiency % ** [dry]		Mass
	Vmin	Vmax	min	max	max	min	max	min	kg
3/300	180	340	50	150	84.9	81.6	80.4	77.3	10,8
3/350	180	397	50	150	84.9	81.6	80.4	77.3	12,5
3/400	210	460	50	150	84.9	81.6	80.4	77.3	13,8
3/450	235	516	50	150	84.9	81.6	80.4	77.3	15,4
3/500	265	575	50	150	84.9	81.6	80.4	77.3	17,2
3/550	289	633	50	150	84.9	81.6	80.4	77.3	18,4
3/600	320	695	50	150	84.9	81.6	80.4	77.3	19,7
5/300	235	510	50	150	85.7	82.9	81.4	78.9	17,8
5/350	271	589	50	150	85.7	82.9	81.4	78.9	20,3
5/400	315	680	50	150	85.7	82.9	81.4	78.9	22,5
5/450	352	764	50	150	85.7	82.9	81.4	78.9	25,1
5/500	395	855	50	150	85.7	82.9	81.4	78.9	27,5
5/550	432	938	50	150	85.7	82.9	81.4	78.9	30,0
5/600	475	1030	50	150	85.7	82.9	81.4	78.9	32,4

For detailed calculations, please, use our selection software.

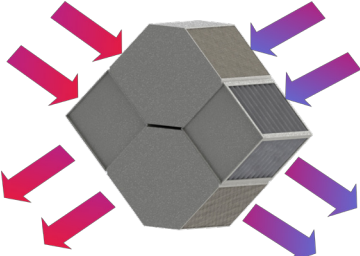
* - Fresh air -3°C, rH 90%; Exhaust air 22°C, rH 50%
** - Efficiency without condensation
*** - Max. efficiency correspond with min air flow



TANGRA REC HiE - Single flow



TANGRA REC HiE - Double flow



TANGRA REC HiE - Premium



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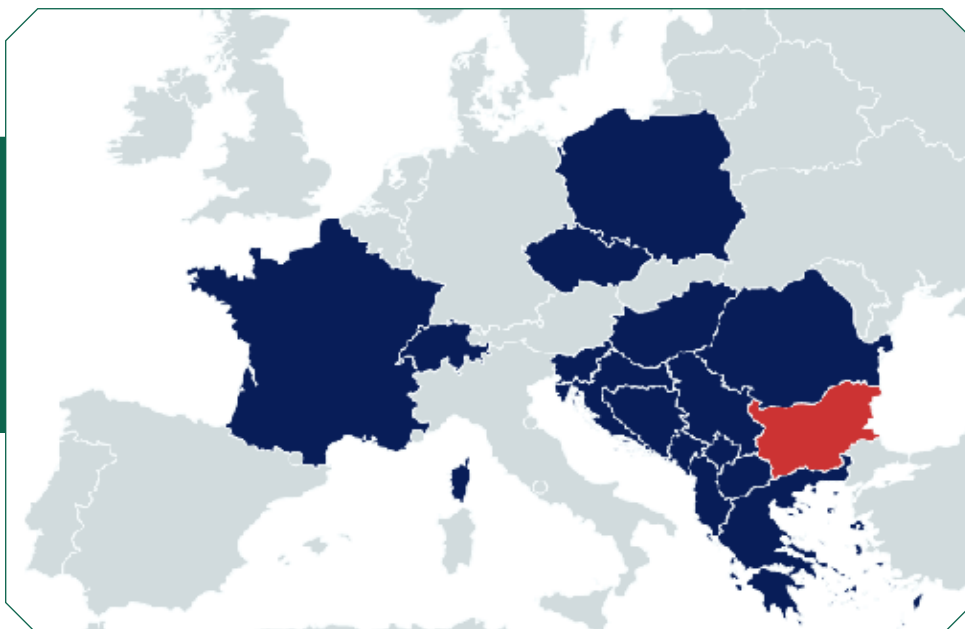
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