



## Sustainable and reliable cooling and heating, all year round

✓ Now reaching heating and cooling capacities close to 1MW

At Trane, we believe in electrification of heating as an important global contributor to mitigate climate change and reduce carbon footprint. Low consumption, reliable performance and comfort are our key design criteria.

- Air-sourced renewable technology
- Lower carbon footprint compared to fossil fuel technologies
- Less equipment needed to heat or cool a building
- Reduction of air pollution by removing exhaust gas emissions

RTXC heat pumps are ideal for



Office buildings



Healthcare



Institutional



Hospitality

### RTXC HSE version:

- Industry leading seasonal cooling efficiency SEER according to Eurovent Certification
- 9 different sizes, with cooling and heating capacities up to 1MW
- Ecodesign Compliant (ErP 2021)
- Hot water temperature up to 55C at -12C ambient conditions
- Trane variable-speed screw compressor
- R513a refrigerant

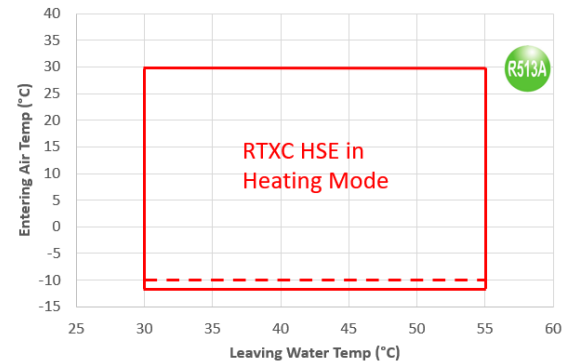
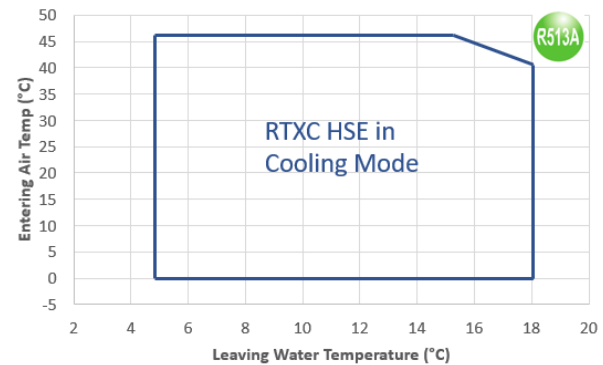


# General Data – RTX C HSE R513a

MODEL	RTXC-HSE	110	130	140	160	180	200	220	250	280	
<b>Cooling</b>											
Cooling Capacity (1)	kW	372	429	463	549	607	669	736	817	914	
Cooling COP (1)	kW/kW	2.90	2.84	2.36	2.93	2.88	2.97	2.88	2.86	2.35	
Space cooling efficiency $\eta_{s,c}$ (2)	%	186	182	176	195	199	205	193	188	179	
SEER (2)	kW/kW	4.72	4.62	4.47	4.95	5.04	5.21	4.90	4.78	4.55	
<b>Heating</b>											
Heating Capacity (3)	kW	400	456	503	549	619	699	803	891	1027	
Heating COP (3)	kW/kW	3.17	3.09	2.88	2.98	2.96	3.11	3.06	3.03	2.75	
Pdesign Heating Capacity	kW	221	248	277	302	340	386	447	493	566	
Space heating efficiency $\eta_{s,h}$ (4)	%	138	139	134	133	135	142	133	135	130	
SCOP (4)	kW/kW	3.52	3.55	3.43	3.40	3.46	3.62	3.40	3.44	3.33	
<b>Compressor</b>											
Compressor	Type	---	Semi-Hermetic Twin Screw Compressor								
	Startup Mode	---	AFD	AFD	AFD	AFD	AFD	AFD	AFD	AFD	AFD
	Circuit Quantity	---	1	1	1	2	2	2	2	2	2
	Min Load per Unit	%	30	30	30	15	15	15	15	15	15
<b>Electrical</b>											
Power Source	---	400V/50Hz/3Ph									
Maximum Starting Current	A	214	256	256	402	402	472	472	567	567	
Maximum Operating Current	A	262	315	315	443	443	520	520	625	625	
<b>Refrigerant</b>											
Refrigerant Type	---	R513A									
Refrigerant charge	Circuit 1	kg	172	172	172	152	152	172	172	172	172
	Circuit 2	kg	---	---	---	152	152	172	172	172	172
<b>Dimensions and weight (basic models only)</b>											
Dimension	Length	mm	4720	4720	4720	7900	7900	8900	8900	8900	8900
	Width	mm	2250	2250	2250	2250	2250	2250	2250	2250	2250
	Height	mm	2500	2500	2500	2500	2500	2500	2500	2500	2500
Shipping Weight	kg	4069	4121	4121	6781	6901	7249	7369	7455	7455	
Operation Weight	kg	4344	4396	4396	7251	7371	7759	7879	7965	7965	

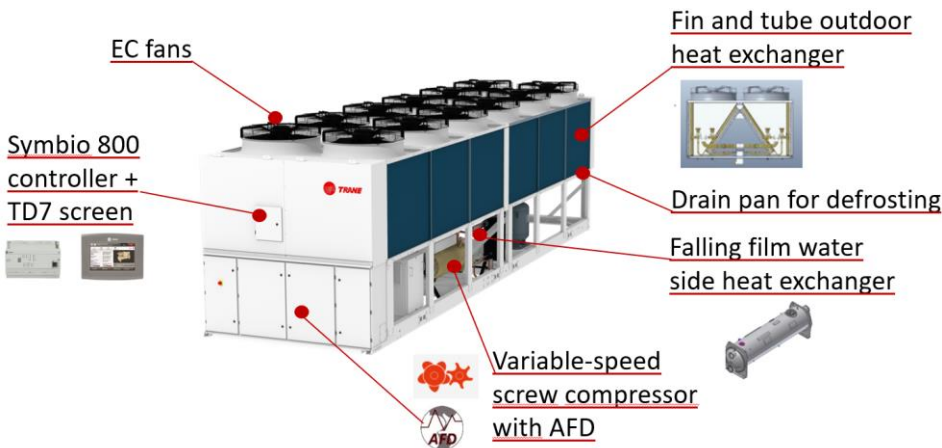
(1): Cooling: Outdoor air temperature 35°C and chilled water temperature 12°C/7°C. (EN 14511:2022)  
 (2): Ecodesign rating for comfort chiller - Fan coil application. Outdoor air temperature 35°C and chilled water temperature in/ out: 12°C/7°C.  $\eta_{s,c}$ /SEER as defined in Ecodesign requirements for Comfort Chillers with 2000 kW maximum capacity - REGULATION (EU) N° 2016/2281 of 20 December 2016.  
 (3): Outdoor air temperature 7°C - hot water temperature in/out 40/45°C. (EN 14511:2022)  
 (4): Ecodesign rating at low temperature conditions. Outdoor temperature: 7°C dry bulb/6°C wet bulb and hot water temperature in/out: 30°C/35°C.  $\eta_{s,h}$  / SCOP as defined in Directive 2009/125/EC of the European Parliament and of the Council with regard to Ecodesign requirements for Space heaters and combination heaters

## Operating maps



\*-12°C ambient with 50 Hz compressor speed limitation

## Features



Trane - by Trane Technologies (NYSE: TT), a global climate innovator - creates comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit [trane.eu](http://trane.eu) or [tranetechnologies.com](http://tranetechnologies.com).  
 Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.