



**TRANE®**

# SINTECIS™ ADVANTAGE

**Sustainable and reliable  
cooling and heating**



Chillers and heat pumps  
CGAF/CXAF  
Cooling: 192 - 265 kW  
Heating: 183 - 217 kW

**TRANE**  
TECHNOLOGIES

# The innovative solution

## for your building needs

CGAF and CXAF are built on Trane's well-known Sintesis™ platform, which means they share many of the same components and technologies with a proven reliability and quality record as Sintesis Prime RTAF, Sintesis Excellent GVAF and Sintesis Balance CMAF. This guarantees a smooth operation and reliable comfort for your building users, while also facilitating the life of service technicians and keeping maintenance costs to a minimum.

### Fin & Tube heat exchanger (CXAF)

Modular design in 'V' shape for maximum performance in less than 5 square meters

### Micro-channel condenser coils (CGAF)

- Leading edge coil design for increased corrosion resistance
- Longer life expectancy
- Environmentally-friendly with less refrigerant charge
- Reduced carbon footprint
- 10% overall unit weight reduction

### Brazed plate heat exchanger

Appropriately-sized heat exchanger design: compact yet efficient

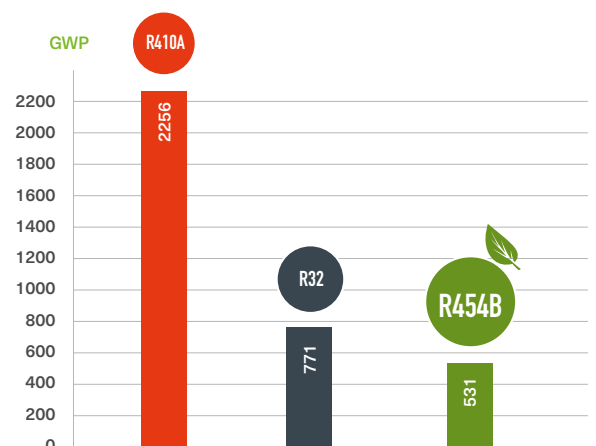
### Industry leading variable volume scroll compressor

- Optimized for part-load efficiency and higher seasonal efficiency
- Reliable operation over the lifetime of the unit
- Reduced energy consumption: no overcompression thanks to intermediate discharge valves (IDVs)
- Compressors jacket (optional) to reduce overall unit noise

### Future-proof sustainability



Choose from 2 refrigerants: Low-GWP R454B or R410A. R454B is the lowest GWP value option to replace R410A with a GWP decrease of 77% and 31% lower than R32. Units will deliver better cooling/heating capacity and power usage compared to R410A - up to 5% improvement, granting almost the same operating limits as R410A. R454B has greater efficiencies, both in cooling (EER and SEER) and in heating (COP and SCOP).



GWP data according to IPCC - Sixth Assessment Report (AR6)

**Multi-speed axial outdoor fans**

Available with AC (HE version) or EC (XE version) motor technologies

- Improved capacity modulation
- Reduced power consumption
- Reduced energy costs



**Optimized fan diffusers**

- Remodelled to optimize airflow
- Fans consume up to 27% less power
- Noise level reduced at part load



**Optional hydraulic module**

- Housing within the chiller frame to keep overall footprint to a minimum
- Single or dual pump with low, medium and high static prevalence
- Optional water buffer tank
- Compatible with variable primary flow

**Symbio™ 800 controller**

Reliable controller platform with proven algorithms to ensure smooth operations and optimum defrost control

- New generation of Trane control platform for chillers
- Advanced algorithms for the most challenging conditions
- Perfect balance of performance and economy

**Trane smart control interface**

- Leading TD7 touch screen with 7" color display
- Clear display of critical information
- Monitor settings, data trending, reports and alarms
- Simple, intuitive navigation
- Effective operation, monitoring and management
- Durable construction for both indoor and outdoor use



**Connectivity**

- Full interoperability via SmartCom interface LonTalk®, BACnet® and Modbus
- Full remote control capability via our Trane BMS



# General data CGAF chiller

R454B

CGAF HE R454B		055	060	065	070	073	075
<b>Cooling <sup>(1)</sup></b>							
Total cooling capacity	(kW)	190.8	214.8	227.7	236.5	246.1	255.4
Total power input	(kW)	62.3	73.1	77.8	82.2	87.0	91.8
Total EER		3.06	2.94	2.93	2.88	2.83	2.78
Water Flow	(m <sup>3</sup> /h)	32.73	36.79	39.00	40.52	42.14	43.72
Water pressure drop	(kPa)	42.8	54.0	40.1	43.2	46.7	50.2
<b>Seasonal efficiency (Reg. EU 2016/2281)</b>							
P rated	(kW)	190.3	213.9	226.7	235.6	245.0	254.2
η <sub>s.cooling</sub>	(%)	176.6	172.4	171.6	173.1	171.8	169.9
SEER		4.49	4.39	4.37	4.40	4.37	4.32
SEPR MT		3.71	3.60	3.61	3.64	3.62	3.62
SEPR HT		5.46	5.29	5.31	5.28	5.20	5.20
<b>Compressors</b>							
Number of compressors		4	4	4	4	4	4
Number of refrigerant circuits		2	2	2	2	2	2
Refrigerant charge <sup>(2)</sup>	(kg)	20.8	20.8	20.8	20.8	20.8	20.8
<b>Fans</b>							
Number of fans		4	4	4	4	4	4
Airflow	(m <sup>3</sup> /h)	75,016	74,649	74,457	74,314	74,161	74,011
Power input for each fan	(kW)	1.33	1.33	1.33	1.33	1.33	1.33
<b>Sound levels <sup>(4)</sup></b>							
Sound power level - standard noise	(dB(A))	91	92	92	92	92	92
Sound power level - low noise	(dB(A))	89	90	90	90	90	90
Sound power level - super low noise	(dB(A))	88	89	89	89	89	89
<b>Dimensions and weight</b>							
Length	(mm)	2477	2477	2477	2477	2477	2477
Depth	(mm)	2002	2002	2002	2002	2002	2002
Height	(mm)	2408	2408	2408	2408	2408	2408
Operating weight	(kg)	1427	1513	1546	1550	1520	1557

(1) At Eurovent conditions: 12/7°C entering/leaving water temperature and 35°C ambient temperature, according to EN 14511-2018.

(2) According to EN14825:2018.

(3) Refrigerant charge values are not binding, please check the effective quantity of refrigerant shown on unit nameplate.

(4) Data according to ISO9614

R454B

CGAF XE R454B		055	060	065	070	073	075
<b>Cooling <sup>(1)</sup></b>							
Total cooling capacity	(kW)	195.1	220.3	233.0	243.2	253.3	262.1
Total power input	(kW)	62.0	72.1	76.4	80.6	85.1	89.5
Total EER		3.15	3.05	3.05	3.02	2.97	2.93
Water Flow	(m <sup>3</sup> /h)	33.56	37.88	40.07	41.83	43.56	45.09
Water pressure drop	(kPa)	45.0	57.3	42.3	46.0	49.9	53.4
<b>Seasonal efficiency (Reg. EU 2016/2281)</b>							
P rated	(kW)	195.1	220.3	233.0	243.2	253.3	262.1
η <sub>s.cooling</sub>	(%)	192.4	186.5	184.6	184.2	184.1	181.2
SEER		4.89	4.74	4.69	4.68	4.68	4.61
SEPR MT		3.98	3.85	3.86	3.85	3.75	3.76
SEPR HT		5.85	5.34	5.63	5.46	5.35	5.36
<b>Compressors</b>							
Number of compressors		4	4	4	4	4	4
Number of refrigerant circuits		2	2	2	2	2	2
Refrigerant charge <sup>(2)</sup>	(kg)	20.8	20.8	20.8	20.8	20.8	20.8
<b>Fans</b>							
Number of fans		4	4	4	4	4	4
Airflow	(m <sup>3</sup> /h)	95,597	95,219	95,035	94,879	94,723	94,581
Power input for each fan	(kW)	1.75	1.75	1.75	1.75	1.75	1.75
<b>Sound levels <sup>(4)</sup></b>							
Sound power level - standard noise	(dB(A))	90	91	91	91	91	91
Sound power level - low noise	(dB(A))	88	89	89	89	89	89
Sound power level - super low noise	(dB(A))	87	88	88	88	88	88
<b>Dimensions and weight</b>							
Length	(mm)	2477	2477	2477	2477	2477	2477
Depth	(mm)	2002	2002	2002	2002	2002	2002
Height	(mm)	2408	2408	2408	2408	2408	2408
Operating weight	(kg)	1427	1513	1546	1550	1520	1557

(1) At Eurovent conditions: 12/7°C entering/leaving water temperature and 35°C ambient temperature, according to EN 14511-2018.

(2) According to EN14825:2018.

(3) Refrigerant charge values are not binding, please check the effective quantity of refrigerant shown on unit nameplate.

(4) Data according to ISO9614

CGAF HE R410A		055	060	065	070	073	075
<b>Cooling <sup>(1)</sup></b>							
Total cooling capacity	(kW)	193.4	217.0	229.4	239.0	248.5	257.7
Total power input	(kW)	65.2	76.6	81.2	85.7	90.5	95.3
Total EER		2.97	2.83	2.82	2.79	2.75	2.70
Water Flow	(m <sup>3</sup> /h)	33.27	37.33	39.45	41.10	42.74	44.32
Water pressure drop	(kPa)	44.3	55.6	41.0	44.5	48.0	51.6
<b>Seasonal efficiency <sup>(2)</sup></b>							
P rated	(kW)	193.4	217.0	229.4	239.0	248.5	257.7
η <sub>s.cooling</sub>	(%)	167.7	162.0	161.1	162.7	161.5	161.2
SEER		4.27	4.12	4.10	4.14	4.11	4.10
SEPR MT		3.53	3.50	3.53	3.55	3.52	3.52
SEPR HT		5.31	5.13	5.15	5.11	5.01	5.01
<b>Compressors</b>							
Number of compressors		4	4	4	4	4	4
Number of refrigerant circuits		2	2	2	2	2	2
Refrigerant charge <sup>(3)</sup>	(kg)	26	26	26	26	26	26
<b>Fans</b>							
Number of fans		4	4	4	4	4	4
Airflow	(m <sup>3</sup> /h)	74,959	74,590	74,405	74,254	74,102	73,953
Power input for each fan	(kW)	1.33	1.33	1.33	1.33	1.33	1.33
<b>Sound levels <sup>(4)</sup></b>							
Sound power level - standard noise	(dB(A))	91	92	92	92	92	92
Sound power level - low noise	(dB(A))	89	90	90	90	90	90
Sound power level - super low noise	(dB(A))	88	89	89	89	89	89
<b>Dimensions and weight</b>							
Length	(mm)	2477	2477	2477	2477	2477	2477
Depth	(mm)	2002	2002	2002	2002	2002	2002
Height	(mm)	2408	2408	2408	2408	2408	2408
Operating weight	(kg)	1427	1513	1546	1550	1520	1557

(1) At Eurovent conditions: 12/7°C entering/leaving water temperature and 35°C ambient temperature, according to EN 14511-2018.

(2) According to EN14825:2018.

(3) Refrigerant charge values are not binding, please check the effective quantity of refrigerant shown on unit nameplate.

(4) Data according to ISO9614

CGAF XE R410A		055	060	065	070	073	075
<b>Cooling <sup>(1)</sup></b>							
Total cooling capacity	(kW)	197.4	221.8	235.2	244.9	255.1	264.8
Total power input	(kW)	65.1	75.7	79.9	84.1	88.6	93.1
Total EER		3.03	2.93	2.94	2.91	2.88	2.85
Water Flow	(m <sup>3</sup> /h)	33.95	38.14	40.45	42.13	43.87	45.55
Water pressure drop	(kPa)	46.1	58.0	43.1	46.7	50.6	54.5
<b>Seasonal efficiency (Reg. EU 2016/2281)</b>							
P rated	(kW)	197.4	221.8	235.2	244.9	255.1	264.8
η <sub>s.cooling</sub>	(%)	181.0	174.2	172.4	172.1	171.9	169.5
SEER		4.60	4.43	4.39	4.38	4.37	4.31
SEPR MT		3.80	3.69	3.71	3.74	3.71	3.71
SEPR HT		5.68	5.35	5.45	5.27	5.37	5.33
<b>Compressors</b>							
Number of compressors		4	4	4	4	4	4
Number of refrigerant circuits		2	2	2	2	2	2
Refrigerant charge <sup>(2)</sup>	(kg)	26	26	26	26	26	26
<b>Fans</b>							
Number of fans		4	4	4	4	4	4
Airflow	(m <sup>3</sup> /h)	95,540	95,165	94,973	94,823	94,666	94,513
Power input for each fan	(kW)	1.75	1.75	1.75	1.75	1.75	1.75
<b>Sound levels <sup>(4)</sup></b>							
Sound power level - standard noise	(dB(A))	90	91	91	91	91	91
Sound power level - low noise	(dB(A))	88	89	89	89	89	89
Sound power level - super low noise	(dB(A))	87	88	88	88	88	88
<b>Dimensions and weight</b>							
Length	(mm)	2477	2477	2477	2477	2477	2477
Depth	(mm)	2002	2002	2002	2002	2002	2002
Height	(mm)	2408	2408	2408	2408	2408	2408
Operating weight	(kg)	1427	1513	1546	1550	1520	1557

(1) At Eurovent conditions: 12/7°C entering/leaving water temperature and 35°C ambient temperature, according to EN 14511-2018.

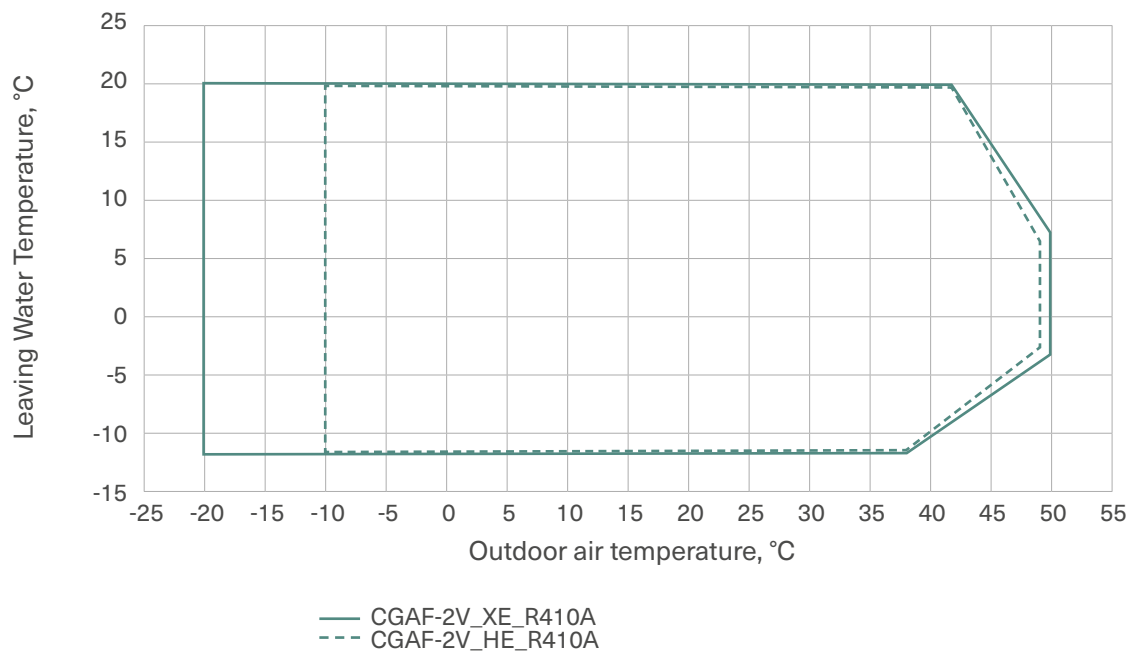
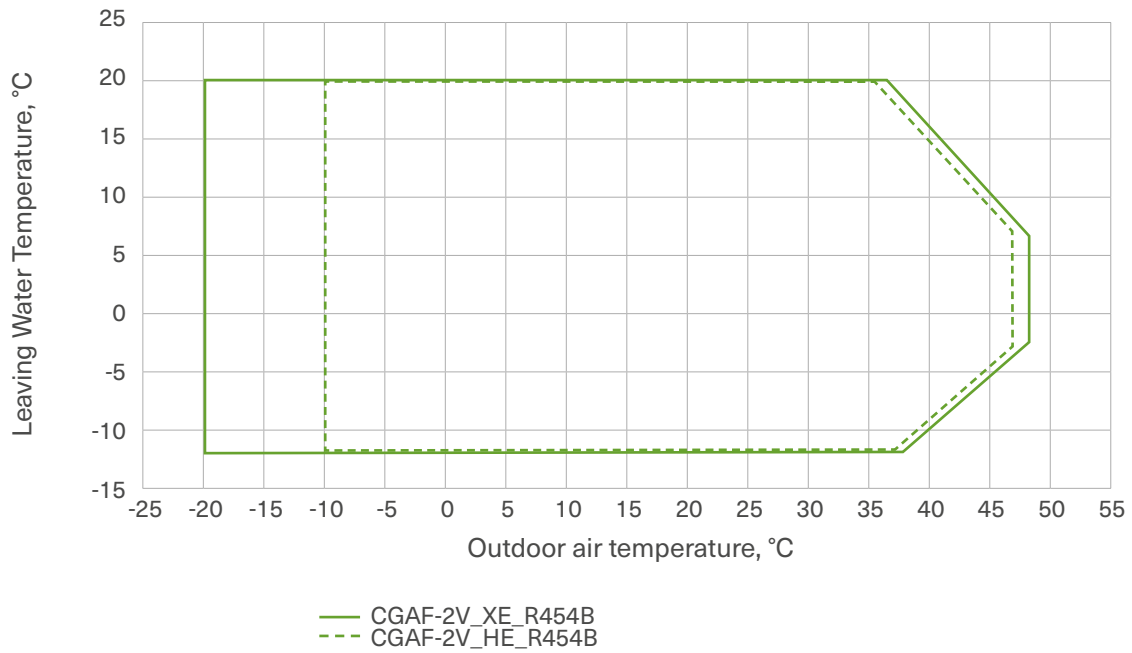
(2) According to EN14825:2018.

(3) Refrigerant charge values are not binding, please check the effective quantity of refrigerant shown on unit nameplate.

(4) Data according to ISO9614

# Operating maps - chiller

Sintesis Advantage chillers have wide operating maps, meaning they keep running and providing chilled water, even at extreme cold and hot ambient conditions.



## Delivering HIGH EFFICIENCY in HEATING mode

Trane Engineering has built on years of experience with heat pumps to bring forward the latest innovation in refrigeration circuit design.

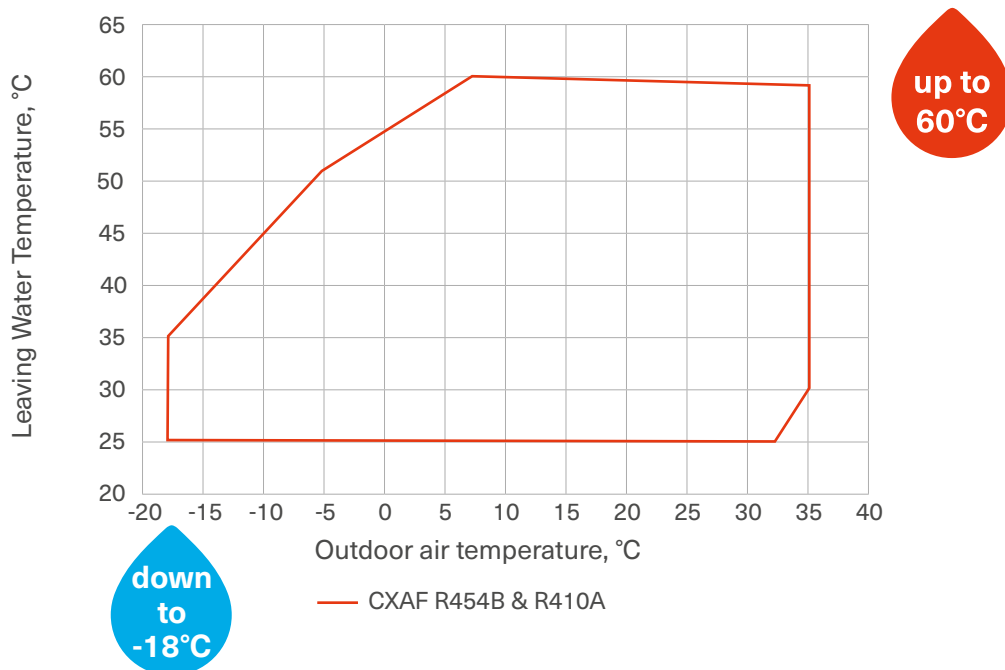
### Optimized defrost management

The characteristic Sintesis™ 'V' shaped heat exchanger has been optimized to accelerate the defrost cycle, improving the unit reliability by minimizing compressor cycling and maintaining comfort for building user.

### Proven reliability

Several performance and endurance test were conducted in the Trane laboratories in Epinal (France) and Taichang (China). Furthermore these units inherit all the know-how and technology of the other units in the same range, which covers over 650 kW.

## Operating map heat pumps in heating mode



# General data CXAF heat pump

R454B

CXAF HE R454B		055	060
<b>Cooling according to EN 14511 <sup>(1)</sup></b>			
Total cooling capacity	(kW)	175.8	197.6
Total power input	(kW)	61.9	73.1
Total EER		2.84	2.70
Water Flow	(m <sup>3</sup> /h)	30.24	33.98
Water pressure drop	(kPa)	24.2	30.5
<b>Heating according to EN14511 <sup>(2)</sup></b>			
Net heating capacity	(kW)	182.9	208.1
Total power input	(kW)	59.5	67.9
COP		3.07	3.06
Water flow	(m <sup>3</sup> /h)	31.45	35.79
Water pressure drop	(kPa)	26.2	33.9
<b>Heating according to EN14511 <sup>(3)</sup></b>			
Net heating capacity	(kW)	191.4	217.2
Total power input	(kW)	49.6	56.8
COP		3.86	3.83
Water flow	(m <sup>3</sup> /h)	32.93	37.36
Water pressure drop	(kPa)	28.6	36.8
<b>Seasonal efficiency - Heating <sup>(4)</sup></b>			
P rated	(kW)	138.4	157.6
Seasonal space efficiency (η <sub>s.h</sub> )	(%)	132.2	136.6
SCOP		3.38	3.49
<b>Seasonal efficiency - Cooling</b>			
P rated	(kW)	175.8	197.6
Seasonal space efficiency (η <sub>s.c</sub> )	(%)	164.3	160.2
SEER		4.18	4.08
<b>Compressors</b>			
Number of compressors		4	4
Number of refrigerant circuits		2	2
Refrigerant charge <sup>(5)</sup>	(kg)	35.7	35.7
<b>Fans</b>			
Number of fans		4	4
Airflow	(m <sup>3</sup> /h)	76163	75868
Power input for each fan	(kW)	1.08	1.08
<b>Sound levels <sup>(6)</sup></b>			
Sound power level (ISO 9614) - standard noise	(dB(A))	91	92
Sound power level (ISO 9614) - low noise	(dB(A))	89	90
Sound power level (ISO 9614) - super low noise	(dB(A))	88	89
<b>Dimensions and weight</b>			
Length	(mm)	2477	2477
Depth	(mm)	2002	2002
Height	(mm)	2408	2408
Operating weight	(kg)	1516	1602

(1) At Eurovent conditions: 12/7°C entering/leaving water temperature and 35°C ambient temperature, according to EN 14511-2018.

(2) At Eurovent conditions: 40/45°C entering/leaving water temperature and DB/WB 7°C/6°C ambient temperature, according to EN 14511-2018.

(3) At Eurovent conditions: 30/35°C entering/leaving water temperature and DB/WB 7°C/6°C ambient temperature, according to EN 14511-2018.

(4) According to EN14825:2018.

(5) Refrigerant charge values are not binding, please check the effective quantity of refrigerant shown on unit nameplate.

(6) Data according to ISO9614.





R454B

CXAF XE R454B		055	060
<b>Cooling according to EN 14511 <sup>(1)</sup></b>			
Total cooling capacity	(kW)	177.5	199.7
Total power input	(kW)	61.7	72.6
Total EER		2.88	2.75
Water Flow	(m <sup>3</sup> /h)	30.52	34.35
Water pressure drop	(kPa)	24.6	31.1
<b>Heating according to EN14511 <sup>(2)</sup></b>			
Net heating capacity	(kW)	184.3	209.7
Total power input	(kW)	60.2	68.7
COP		3.06	3.06
Water flow	(m <sup>3</sup> /h)	31.70	36.08
Water pressure drop	(kPa)	26.6	34.4
<b>Heating according to EN14511 <sup>(3)</sup></b>			
Net heating capacity	(kW)	192.9	219.1
Total power input	(kW)	50.3	57.5
COP		3.83	3.81
Water flow	(m <sup>3</sup> /h)	33.19	37.69
Water pressure drop	(kPa)	29.1	37.4
<b>Seasonal efficiency - Heating <sup>(4)</sup></b>			
P rated	(kW)	139.4	159.0
Seasonal space efficiency (ηs.h)	(%)	129.6	134.4
SCOP		3.32	3.44
<b>Seasonal efficiency - Cooling</b>			
P rated	(kW)	177.5	199.7
Seasonal space efficiency (ηs.c)	(%)	172.4	166.7
SEER		4.38	4.24
<b>Compressors</b>			
Number of compressors		4	4
Number of refrigerant circuits		2	2
Refrigerant charge <sup>(5)</sup>	(kg)	35.7	35.7
<b>Fans</b>			
Number of fans		4	4
Airflow	(m <sup>3</sup> /h)	84035	83740
Power input for each fan	(kW)	1.23	1.23
<b>Sound levels <sup>(6)</sup></b>			
Sound power level (ISO 9614) - standard noise	(dB(A))	90	91
Sound power level (ISO 9614) - low noise	(dB(A))	88	89
Sound power level (ISO 9614) - super low noise	(dB(A))	87	88
<b>Dimensions and weight</b>			
Length	(mm)	2477	2477
Depth	(mm)	2002	2002
Height	(mm)	2408	2408
Operating weight	(kg)	1516	1602

(1) At Eurovent conditions: 12/7°C entering/leaving water temperature and 35°C ambient temperature, according to EN 14511-2018.

(2) At Eurovent conditions: 40/45°C entering/leaving water temperature and DB/WB 7°C/6°C ambient temperature, according to EN 14511-2018.

(3) At Eurovent conditions: 30/35°C entering/leaving water temperature and DB/WB 7°C/6°C ambient temperature, according to EN 14511-2018.

(4) According to EN14825:2018.

(5) Refrigerant charge values are not binding, please check the effective quantity of refrigerant shown on unit nameplate.

(6) Data according to ISO9614.



# General data CXAF heat pump

R410A

CXAF HE R410A		055	060
<b>Cooling according to EN 14511 <sup>(1)</sup></b>			
Total cooling capacity	(kW)	183.3	204.4
Total power input	(kW)	64.4	76.2
Total EER		2.84	2.68
Water Flow	(m <sup>3</sup> /h)	31.53	35.15
Water pressure drop	(kPa)	26.2	32.6
<b>Heating according to EN14511 <sup>(2)</sup></b>			
Net heating capacity	(kW)	190.4	215.6
Total power input	(kW)	61.2	70.2
COP		3.11	3.07
Water flow	(m <sup>3</sup> /h)	32.76	37.08
Water pressure drop	(kPa)	28.4	36.3
<b>Heating according to EN14511 <sup>(3)</sup></b>			
Net heating capacity	(kW)	200.1	225.0
Total power input	(kW)	51.2	58.5
COP		3.91	3.84
Water flow	(m <sup>3</sup> /h)	34.42	38.70
Water pressure drop	(kPa)	31.3	39.5
<b>Seasonal efficiency - Heating <sup>(4)</sup></b>			
P rated	(kW)	145.0	164.4
Seasonal space efficiency (η <sub>s,h</sub> )	(%)	137.7	137.8
SCOP		3.52	3.52
<b>Seasonal efficiency - Cooling</b>			
P rated	(kW)	183.3	204.4
Seasonal space efficiency (η <sub>s,c</sub> )	(%)	163.2	157.0
SEER		4.16	4.00
<b>Compressors</b>			
Number of compressors		4	4
Number of refrigerant circuits		2	2
Refrigerant charge <sup>(5)</sup>	(kg)	44.6	44.6
<b>Fans</b>			
Number of fans		4	4
Airflow	(m <sup>3</sup> /h)	76059	75764
Power input for each fan	(kW)	1.08	1.08
<b>Sound levels <sup>(6)</sup></b>			
Sound power level (ISO 9614) - standard noise	(dB(A))	91	92
Sound power level (ISO 9614) - low noise	(dB(A))	89	90
Sound power level (ISO 9614) - super low noise	(dB(A))	88	89
<b>Dimensions and weight</b>			
Length	(mm)	2477	2477
Depth	(mm)	2002	2002
Height	(mm)	2408	2408
Operating weight	(kg)	1516	1602

(1) At Eurovent conditions: 12/7°C entering/leaving water temperature and 35°C ambient temperature, according to EN 14511-2018.

(2) At Eurovent conditions: 40/45°C entering/leaving water temperature and DB/WB 7°C/6°C ambient temperature, according to EN 14511-2018.

(3) At Eurovent conditions: 30/35°C entering/leaving water temperature and DB/WB 7°C/6°C ambient temperature, according to EN 14511-2018.

(4) According to EN14825:2018.

(5) Refrigerant charge values are not binding, please check the effective quantity of refrigerant shown on unit nameplate.

(6) Data according to ISO9614.



<b>CXAF XE R410A</b>		<b>055</b>	<b>060</b>
<b>Cooling according to EN 14511 <sup>(1)</sup></b>			
Total cooling capacity	(kW)	185.2	206.8
Total power input	(kW)	64.2	75.6
Total EER		2.89	2.74
Water Flow	(m <sup>3</sup> /h)	31.86	35.57
Water pressure drop	(kPa)	26.8	33.4
<b>Heating according to EN14511 <sup>(2)</sup></b>			
Net heating capacity	(kW)	191.9	217.1
Total power input	(kW)	61.9	70.9
COP		3.10	3.06
Water flow	(m <sup>3</sup> /h)	33.00	37.35
Water pressure drop	(kPa)	28.8	36.9
<b>Heating according to EN14511 <sup>(3)</sup></b>			
Net heating capacity	(kW)	201.9	227.1
Total power input	(kW)	51.9	59.2
COP		3.89	3.83
Water flow	(m <sup>3</sup> /h)	34.72	39.06
Water pressure drop	(kPa)	31.8	40.2
<b>Seasonal efficiency - Heating <sup>(4)</sup></b>			
P rated	(kW)	146.1	165.7
Seasonal space efficiency (ηs.h)	(%)	135.1	135.7
SCOP		3.45	3.47
<b>Seasonal efficiency - Cooling</b>			
P rated	(kW)	185.2	206.8
Seasonal space efficiency (ηs.c)	(%)	172.2	165.2
SEER		4.38	4.20
<b>Compressors</b>			
Number of compressors		4	4
Number of refrigerant circuits		2	2
Refrigerant charge <sup>(5)</sup>	(kg)	44.6	44.6
<b>Fans</b>			
Number of fans		4	4
Airflow	(m <sup>3</sup> /h)	83929	83634
Power input for each fan	(kW)	1.23	1.23
<b>Sound levels <sup>(6)</sup></b>			
Sound power level (ISO 9614) - standard noise	(dB(A))	90	91
Sound power level (ISO 9614) - low noise	(dB(A))	88	89
Sound power level (ISO 9614) - super low noise	(dB(A))	87	88
<b>Dimensions and weight</b>			
Length	(mm)	2477	2477
Depth	(mm)	2002	2002
Height	(mm)	2408	2408
Operating weight	(kg)	1516	1602

(1) At Eurovent conditions: 12/7°C entering/leaving water temperature and 35°C ambient temperature, according to EN 14511-2018.

(2) At Eurovent conditions: 40/45°C entering/leaving water temperature and DB/WB 7°C/6°C ambient temperature, according to EN 14511-2018.

(3) At Eurovent conditions: 30/35°C entering/leaving water temperature and DB/WB 7°C/6°C ambient temperature, according to EN 14511-2018.

(4) According to EN14825:2018.

(5) Refrigerant charge values are not binding, please check the effective quantity of refrigerant shown on unit nameplate.

(6) Data according to ISO9614.



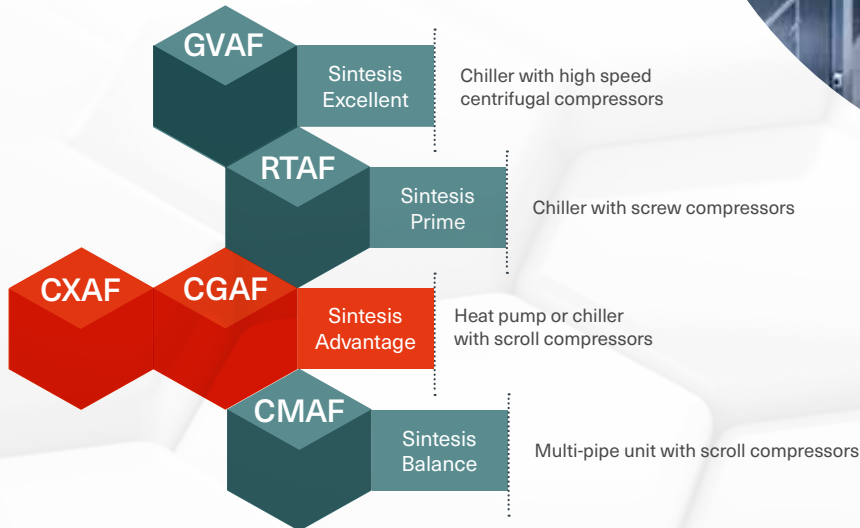


## Family of chillers, heat pumps and multi-pipe units



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Trane Air-Cooled Testing Facility in Charmes, France



The Sintesis™ Advantage models CGAF and CXAF belong to the Trane Sintesis™ air-cooled portfolio representing industry leading performance and flexibility — for a perfect fit not only to your building and application requirements, but also to your sustainability and budget targets.

### The full Trane Sintesis Advantage range:

- 22 units offering capacities from 192 kW to 670 kW
- 3 efficiency levels: SE, HE, XE
- 3 low-noise packages: SN, LN, XLN
- Perfectly suited for comfort and process application with extended operating map:
  - Standard ambient option from -10°C to +46°C
  - Low ambient option from -20°C to +46°C.

### Factory-mounted options:

- Hydraulic module with single or dual pump and buffer tank
- Partial heat recovery
- Total heat recovery
- Free-cooling

For a complete and detailed list of all options and accessories, please refer to the product catalog or contact your local Trane office.



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