

Conquest CGAX Air-Cooled Chiller



Cooling capacity: 40-165 kW

Heating capacity: -----

- Compact: reduced footprint and low-profile design
- Optimized for R454B low GWP refrigerant and high seasonal efficiency
- Proven reliability with microchannel condenser coils
- Low sound levels with no compromise on efficiency
- Wide operating map for comfort and process applications
- Single and/or dual circuit



The best value chiller

Comfort, efficiency and economy are primary concerns when selecting HVAC equipment for your building. Trane Conquest chillers combine high performance and proven reliability in a compact and affordable design, delivering maximum value.

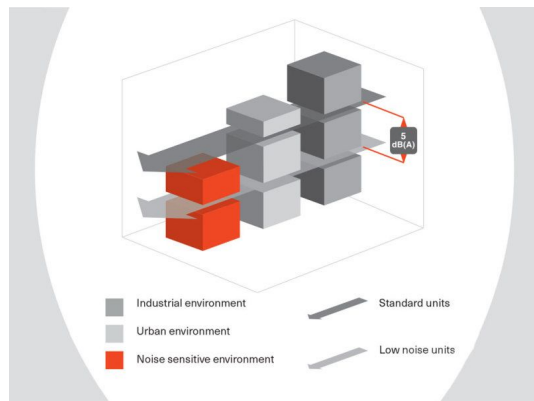
CGAX can cool your building all year round, whether the outdoor air temperature is -18°C or $+46^{\circ}\text{C}$.

Operation is easy thanks to the integrated Trane Symbio™ 800 controller.

CONQUEST

Optimized for high seasonal efficiency

Trane developed the Conquest range to optimize your Total Cost of Ownership. As units used for comfort applications rarely operate at their nominal capacity, the design has been optimized for part load operation. For operation below 5°C outdoor air temperature, the unit is equipped with variable speed driven AC fans (required option) to dynamically modulate the airflow and optimize efficiency.



Low noise – with no compromise on efficiency

Operating noise can be a significant disturbance in sensitive building environments. Most manufacturers oversize their chillers in order to reduce sound power levels. Trane’s Conquest range has been designed to deliver lower noise, without reducing efficiency or affecting the footprint. Low Noise (LN) models achieve an impressive 47 dB(A) sound pressure level at 10m in free field.

Range description

- The Trane Conquest range is available in 14 sizes. Units are available with single and/or dual circuit (on 90-165 kW range), and a choice of two acoustic packages being Standard Noise or Low Noise (with no loss of energy efficiency).

Technical specifications

Cooling capacity	40-165 kW
Heating capacity	-----
Eurovent certification	●
ErP Certification	●
Refrigerants	R454B R410A
Operating mode	Cooling only
Energy saving	Heat recovery
Compressor	Scroll

Product data

CGAX

	Pc (1) kW	Pec (1) kW	EER (1)	SEER (2)	η_{sc} (2) %	LwO (3) dB(A)	Refrigerant	L (4) mm	W (4) mm	H (4) mm	OW (4) kg
CGAX 015 SE SN	40,8	14,5	2,81	4,15	163,0	83	R454B	2346	1285	1747	519
CGAX 017 SE SN	48,2	17,2	2,80	4,32	169,9	84	R454B	2346	1285	1747	531
CGAX 020 SE SN	56,2	18,1	3,11	4,26	167,4	87	R454B	2346	1285	1747	574
CGAX 023 SE SN	63,4	21,0	3,02	4,30	169,1	87	R454B	2346	1285	1747	579
CGAX 026 SE SN	74,2	24,3	3,05	4,31	169,6	87	R454B	2346	1285	1747	608
CGAX 030 SE SN	81,4	27,9	2,92	4,15	163,2	88	R454B	2346	1285	1747	621
CGAX 035 SE SN	100,0	33,4	2,99	4,68	184,2	86	R454B	2326	2250	1747	853
CGAX 036 SE SN	96,3	32,9	2,93	4,66	183,4	87	R454B	2326	2250	1747	858
CGAX 039 SE SN	108,9	37,2	2,93	4,75	187,1	86	R454B	2326	2250	1747	912
CGAX 040 SE SN	115,9	36,1	3,21	4,62	182,0	90	R454B	2326	2250	1747	917
CGAX 045 SE SN	122,2	40,1	3,05	4,53	178,0	89	R454B	2326	2250	1747	1004
CGAX 046 SE SN	131,0	42,1	3,11	4,59	180,6	90	R454B	2326	2250	1747	1014
CGAX 052 SE SN	150,0	48,2	3,11	4,66	183,6	90	R454B	2326	2250	1747	1034
CGAX 060 SE SN	164,3	55,3	2,97	4,50	177,0	91	R454B	2326	2250	1747	1060

Pc: Cooling capacity

SEER: Seasonal Energy Efficiency Ratio

Refrigerant: Refrigerant type

H: Height

Pec: Total power input in cooling

η_{sc} : Seasonal space cooling energy efficiency

L: Length

OW : Operating Weight

EER: Energy Efficiency Ratio (cooling)

LwO: A-weighted sound power level outside

W: Width

(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. η_{sc} /SEER as defined in Ecodesign requirements for Comfort Chillers with 2000 kW maximum capacity - REGULATION (EU) N° 2016/2281 of 20 December 2016.

(3): According ISO 9614:2009. Eurovent conditions, with 1pW reference sound power (without accessories)

(4): Basic unit without accessories

Improve Operations

Technology is continuously evolving and Trane Engineering is ahead of the curve in bringing innovation into product development. Our sustainable solutions deliver enhancements to the Trane installed base to make your chillers and heat pumps even "better than before". That's Trane Building Advantage - TBA.

Trane Rental Services

Cooling and heating are services, not products. A process or a building does not need a chiller or a boiler sitting on a roof, but a reliable and efficiency supply of cold or hot water, cold or warm air. This is the essence of what we do at Trane Rental Services. Let us take care of it for you.



Read more <https://trane.eu/rental>

Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.eu or tranetechnologies.com.