



# CGC Air-Cooled Chiller

Cooling capacity: 18-58 kW



TRANE  
TECHNOLOGIES

## At a Glance:

- Variable speed driven scroll compressor and EC fans, coupled with micro-channel condensing coils: ensures maximum efficiency and system flexibility.
- Compact design: Reduced footprint and height for minimal installation impact.
- Extended operating map on both operating ambient temperature and leaving water temperature sides, makes the new CGC suitable for a wide range of applications
- Highly configurable for comfort or process application to meet specific performance requirements and budget
- Completely integrated hydraulic kit (buffer tank and pumps)
- Wide leaving water temperature range, from -10°C to +20°C. The perfect match for most applications.
- Scalable system: Connect up to 4 units for increased capacity.



## High efficiency with inverter-driven scroll compressor technology

Trane CGC chillers are designed for seamless integration in comfort cooling and process cooling applications.

High SEER values are achieved thanks to the inclusion of DC scroll compressors, EC fan and high efficiency heat exchangers.

The DC inverter compressors enable power consumption savings of up to 25%, making them highly efficient even under heavy operating conditions.



## Extensive operating range

CGC chillers are designed for efficient year-round operation in both cold and hot climates. They can be configured to operate at full load within a wide outdoor air temperature range, from -20°C to +48°C. With a leaving water temperature range from -10°C to +20°C, these chillers are ideal for a variety of applications, from comfort cooling to the most demanding process cooling needs.



## All-in-one solution

The Trane CGC chiller can be equipped with various hydraulic kits, featuring either inverter or simple on-off pumps, to meet specific needs.

Within the unit's compact volume, a generous tank can be included, providing a convenient plug-and-play solution.

Optional aesthetic grills are also available to protect outdoor coils from accidental damage.

## Range description

- CGC chillers are available in six models. The unit fits every application, thanks to the integrated hydronic module with or without tank (accessory) and many other options.

## Technical specifications

|                        |                           |
|------------------------|---------------------------|
| Unit type              | Air-to-water              |
| Operating mode         | Cooling only              |
| Cooling capacity       | 18-58 kW                  |
| Heating capacity       | -----                     |
| Eurovent certification | ●                         |
| ErP Certification      | ●                         |
| Refrigerants           | R454B                     |
| Energy saving          | Adaptive Frequency™ Drive |

**Compressor**

Scroll

**Data protocols**

Bacnet | Modbus

## CGC

|                | P <sub>c</sub><br>(1)<br>kW | EER<br>(1) | SEER<br>(2) | η <sub>sc</sub><br>(2)<br>% | LwO<br>(3)<br>dB(A) | L<br>(4)<br>mm | W<br>(4)<br>mm | H<br>(4)<br>mm | OW<br>(4)<br>kg |
|----------------|-----------------------------|------------|-------------|-----------------------------|---------------------|----------------|----------------|----------------|-----------------|
| <b>CGC 005</b> | 17,5                        | 3,00       | 5,23        | 206,4                       | 81                  | 2013           | 838            | 1333           | 259             |
| <b>CGC 007</b> | 21,8                        | 3,07       | 5,29        | 208,7                       | 81                  | 2013           | 838            | 1333           | 265             |
| <b>CGC 009</b> | 26,1                        | 3,05       | 5,01        | 197,5                       | 82                  | 2013           | 838            | 1333           | 277             |
| <b>CGC 011</b> | 36,1                        | 3,19       | 5,49        | 216,6                       | 88                  | 2167           | 1117           | 1802           | 408             |
| <b>CGC 013</b> | 44,2                        | 3,15       | 5,72        | 225,8                       | 87                  | 2167           | 1117           | 1802           | 436             |
| <b>CGC 017</b> | 58,4                        | 3,16       | 5,61        | 221,2                       | 88                  | 2167           | 1117           | 1802           | 449             |

P<sub>c</sub>: Cooling capacity

η<sub>sc</sub>: Seasonal space cooling energy efficiency

W: Width

EER: Energy Efficiency Ratio (cooling)

LwO: A-weighted sound power level outside

H: Height

SEER: Seasonal Energy Efficiency Ratio

L: Length

OW : Operating Weight

(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<sub>s,c</sub>/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

## CGC XLN

|                    | P <sub>c</sub><br>(1)<br>kW | EER<br>(1) | SEER<br>(2) | η <sub>sc</sub><br>(2)<br>% | LwO<br>(3)<br>dB(A) | L<br>(4)<br>mm | W<br>(4)<br>mm | H<br>(4)<br>mm | OW<br>(4)<br>kg |
|--------------------|-----------------------------|------------|-------------|-----------------------------|---------------------|----------------|----------------|----------------|-----------------|
| <b>CGC 005 XLN</b> | 17,5                        | 3,00       | 5,23        | 206,4                       | 78                  | 2013           | 838            | 1333           | 261             |
| <b>CGC 007 XLN</b> | 21,8                        | 3,07       | 5,29        | 208,7                       | 78                  | 2013           | 838            | 1333           | 267             |
| <b>CGC 009 XLN</b> | 26,1                        | 3,05       | 5,01        | 197,5                       | 78                  | 2013           | 838            | 1333           | 279             |
| <b>CGC 011 XLN</b> | 36,1                        | 31,90      | 5,49        | 216,6                       | 85                  | 2167           | 1117           | 1802           | 412             |
| <b>CGC 013 XLN</b> | 44,2                        | 3,15       | 5,72        | 225,8                       | 84                  | 2167           | 1117           | 1802           | 440             |
| <b>CGC 017 XLN</b> | 58,4                        | 3,16       | 5,61        | 221,2                       | 85                  | 2167           | 1117           | 1802           | 453             |

P<sub>c</sub>: Cooling capacity

η<sub>sc</sub>: Seasonal space cooling energy efficiency

W: Width

EER: Energy Efficiency Ratio (cooling)

LwO: A-weighted sound power level outside

H: Height

SEER: Seasonal Energy Efficiency Ratio

L: Length

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(4): Basic unit without accessories

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