

Scroll Chillers

CICA Compact Series



Trane® Cold Generator™ compact scroll chillers are a highly efficient, water cooled, expandable capacity comfort and process cooling solution.

Maintenance friendly design elements and high efficiency components make them a smart choice for your building's cooling needs.

CICA Scroll Chiller

Trane Cold Generator CICA Compact Series of scroll chillers is available in 20, 30 and 50 ton sizes and can be installed in arrays of up to 10 units per array controller.



Grows With You

A roll-in design with a plug and play control system makes Cold Generator compact series scroll chillers an ideal solution for facilities with growing occupancy and structural expansion plans.



CICA Series Highlights

Cold Generator scroll chillers offer a wide range of features and sizes that allow you to configure chillers specifications to meet your needs.

- 20, 30 and 50 ton capacities

- Expandable up to 10x capacity
- Scroll compressors
- Brazed plate evaporators
- Brazed plate condensers
- AHRI and ETL/ETLc Certified
- ASHRAE 90.1-2013 compliant

The powerful control system can perform as a standalone unit, or in an array, functioning as a single high capacity multi stage unit.

Flexible Fit

Cold Generator compact series scroll chillers offer the flexibility necessary to tailor solutions for atypical mechanical room configurations, which makes them ideally suited for retrofit and renovation applications with limited space or a challenging layout. Trane will design custom pipe sizes to suit the unique needs of your facility's chiller array.

Redundancy Rescue

Cold Generator compact models feature N+1 controller logic to support a standby chiller unit option. This redundant chiller is programmed to engage if another unit fails, ensuring continued cooling while the issue is repaired.



Service Centric

Key design decisions for the CICA compact series were based on the convenient accessibility of serviceable components to promote the adherence to maintenance schedules crucial for peak performance and optimum service life.

- Compressor oil sight glass
- Centralized heat exchanger strainers
- Control panel with separate high and low voltage section

All major components can be easily removed or replaced when service and maintenance is performed, including:

- Heat exchangers
- Compressors
- Filter drier
- Expansion valve

Detachable Design

The CICA compact series header system's revolutionary design allows water flow to be valved off from a single unit without interrupting flow to other units. The chiller array continues to function while the problem component or unit is removed for service or replacement.

Safer Separation

The unique hinged control panel design separates high and low voltage components to increase safety for maintenance personnel.

Doorway Designed

All Trane Cold Generator compact series scroll chillers were specifically scaled to fit through a standard doorway and on a standard elevator, ensuring fast and easy delivery and installation.

Efficiency Standards

Trane Cold Generator compact series scroll chillers were designed specifically for compliance with the ASHRAE 90.1-2013 efficiency standard.

Dependable Performance

The Cold Generator CICA compact chiller series features highly efficient scroll compressors and brazed plate heat exchangers. These components were uniquely designed together to provide industry compliance with AHSRAE 90.1-2013.

Streamlined Installations

All units are factory assembled, complete with all refrigerant piping and electrical wiring. They are charged with refrigerant and factory run tested to ensure a smooth, problem free start-up. Units ship ready to be installed, and caster wheel packages are available to simplify installation. The plug and play control design means each new unit is recognized as soon as the chiller control panel is interfaced with the array, which promotes faster, easier installation and streamlines initial array controller configuration.

Building Information Modeling (BIM)

Trane has the BIM objects to support your building design. Pre-populated physical and performance data unique to each product configuration save time, increase accuracy and simplify the construction process.

Learn more at trane.com



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