



Trane Cold Generator™

Scroll Chillers

CICB Compact Series



Scroll Chillers CICB 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. The innovative Cold Generator CICB compact series is a technological leap ahead in design, performance, efficiency and serviceability.

CICB Series Highlights

Cold Generator™ compact scroll chillers offer a wide range of features to meet your needs.

- 30 ton capacity
- Expandable up to 10x capacity
- Scroll compressors
- Brazed plate evaporators
- Shell and tube condenser
- 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 chiller unit.

Flexible Fit

Trane Cold Generator™ compact 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, a challenging layout or difficult rigging installations. Trane will assist with design of 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.

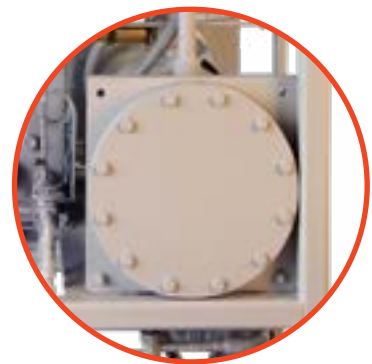
Cutting Edge Compliance

The Cold Generator CICB compact series is currently the only compact scroll chiller with nominal 15 HP per circuit featuring a shell and tube condenser that meets the ASHRAE 90.1 2013 efficiency standard.



CICB Scroll Chiller

Trane Cold Generator CICB compact series is available in 30 ton capacity and can be installed in arrays of up to 10 units per array controller.



Singular Solution

The readily accessible and mechanically cleanable shell and tube condenser design makes the Cold Generator CICB compact series scroll chillers a uniquely suitable solution for sensitive open water loop and cooling tower applications.

Cold Generator CICB Compact Series Innovations

Packed with innovatively engineered features, the CICB compact series is a standout in its product class.

Exceptional Engineering	Means the CICB...
Compliance conscious	Is currently the only compact, expandable capacity scroll chiller with removable piping header system, shell and tube condenser and nominal 15 HP per circuit that meets ASHRAE 90.1-2013.
Nominal 15 HP per circuit	Horsepower is excluded from a building's refrigerating system's total HP aggregate which is important if trying to eliminate the cost of a 24/7, on-site operating engineer (as required by some metropolitan building codes).
Low pressure drop across water circuits	Has lower pumping energy requirements, providing additional cost efficiency.
Removable piping header system	Can be detached from its array for replacement or repairs without disrupting the flow of water to other units, minimizing system downtime.
Mechanically cleanable condenser	Provides easy access to the condenser for faster, easier condenser tube maintenance.
Dual duty spaces	Has cleverly superimposed clearances and dual purpose spaces, creating one of the smallest footprints of any available shell and tube compact chiller in the industry.

Service Centric

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

Service centric design means routine maintenance takes less time, which translates to a lower cost per service and a lower cost of ownership over the life of the equipment.

Diminish Downtime

Cold Generator™ CICB compact scroll chillers feature dual independent refrigerant circuits. This safeguard prevents full capacity loss in the event of a compressor failure.

Dependable Performance

The Trane Cold Generator™ CICB compact series features highly efficient scroll compressors, brazed plate evaporators and shell and tube condensers. These components were uniquely designed together to provide industry exclusive compliance with ASHRAE 90.1-2013.

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.

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 packages are available to simplify installation. The plug and play control design means each new unit is recognized as soon as the chiller control box is interfaced with the array controller, which promotes faster, easier installation and streamlines initial control system configuration.



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.

Learn more at trane.com/coldgenerator



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.com or tranetechnologies.com.

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