



After over a century of innovations, a solid foundation of proven expertise and recognition as leaders in HVAC for commercial and industrial applications, Trane leads with our Excellent family of Chillers. The Excellent family is comprised of the top-of-the-line chillers from Trane's well-known Sintesis™ and XStream™ platforms, and as the name says, offers all-round excellence. They are designed, manufactured, and proven to satisfy requirements for

- Best-in-class performance
- Market leading efficiency
- Superior reliability
- Application flexibility
- Sustainability

Best in class performance & Market leading efficiency

Achieved by Excellence in Innovative Technologies

- Compressors: **ultra-quiet** oil-free, variable speed **magnetic bearing centrifugal** compressors
- Heat exchangers: latest Trane proprietary CHIL™ heat exchanger designs
 - optimized refrigerant flow
 - excellent heat exchange
 - minimized refrigerant volume
- Serial heat exchangers: double circuits in single pass
 - reduce the work of compressors
 - additional efficiency gains

Confident in outstanding chiller performance, and transparent about it, too

- Data is published and easy to find.
- Rigorous and extensive R&D standards, taking benefit of our state-of-the-art European testing facilities
- Compliance and certifications: what we say is what we deliver.
 - AHRI certification (GVWF)
 - Eurovent certification
 - Full ErP (Ecodesign) Compliance

Application flexibility

We use our expertise in full HVAC systems to drive us to design with flexibility in mind, to suit any application and building without compromising reliability and cost of ownership. Our Sintesis Excellent (GVAF) and XStream Excellent (GVWF) are part of **full platforms** with other Sintesis (RTAF, CGAF/CXAF) and XStream (RTWF, RTHF) units with various compressor technologies.

Trane's broad portfolio generates advantageous flexibility to satisfy any requirement. In addition, we have decades of expertise of designing systems in which these technologies co-operate to build the right solution, including energy saving options (free-cooling or heat recovery) best suited to your building or process.

Certain models are specially designed to be an ideal fit to a precise application. For example, the specially designed **chiller for data centers**.

Trane Service

Trane has the most **extensive service network** in Europe, available 24/7/365. We ensure the most reliable and cost-effective performance from your HVAC systems from day one – and on through their complete lifecycle.

Superior reliability

Double refrigerant circuit: allows redundancy

Powerful controls: For stable and efficient operation contributing to enhanced building performance and efficiency, Trane Adaptive Control™ algorithms integrated in Trane's proprietary control software keep the chiller running even during the most challenging conditions, when other chillers should shut down. This includes rapid restart after power failure capabilities for applications such as data centers.

Trane Tracer® Symbio 800 is a new generation controller allowing **seamless communication** with other Trane equipment in the chiller plant and has full remote monitoring capabilities.

Sustainability

Refrigerant: R134a, R513A or **near-zero <1 GWP refrigerants R1234ze or R515B**.

Our Service Teams are trained and equipped to keep your installed system up to date and operating efficiently and sustainably during its lifetime. We can upgrade controls and other technologies when opportunities arise.

For more information



The portfolio



XStream™ Excellent water-cooled chillers GVWF 285-2600 kW



Sintesis™ Excellent air-cooled chillers GVAF 450-1600 kW

EcoWise™

Trane Technologies has created the **EcoWise™ portfolio of products** for its refrigerant-bearing products that are designed to lower environmental impact with next generation, low global warming potential (GWP) refrigerants and high efficiency operation.