



For greater building optimization, take advantage of connected technology with Intelligent Services and enable 24/7/365 system monitoring analytics for improved energy efficiency, higher reliability and reduced operating costs.

Trane HSWA Centrifugal Chillers

Efficient, reliable and sustainable performance in a compact footprint



Enhanced building comfort and efficiency for a wide range of applications and beyond



LOW SOUND LEVEL

Trane HSWA's compressor discharge line and suction line are carefully optimized through CFD simulation for lower noise level, and validated in extensive laboratory tests. In addition, we provide further noise reduction measures, available as an option, for customers with more stringent requirement on sound levels.

MORE ECONOMICAL COOLING

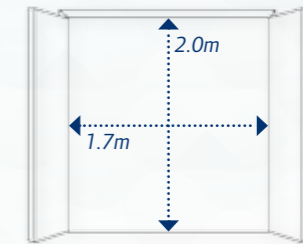
Outstanding full- and part-load efficiencies make Trane HSWA a more cost-effective cooling solution. With an IPLV rating 40 percent higher than the ASHRAE® 90.1-2016 requirement, the HSWA models can help lower electrical consumption (kWh, part load) and demand charges (kW, highly loaded), contributing to lower operating expenses.

Simple tools such as myPLV® are available to help quickly estimate future chiller performance based on project-specific conditions that include location, building type, building load, number and size of the chillers in the plant, chiller condenser control strategy and more.

- CHIL™ evaporator design optimizes refrigerant flow and reduces refrigerant charge. In addition, the chiller design includes an economizer that gives improved efficiency and lowers energy consumption over the life of the chiller.

COMPACT SIZE IDEAL FOR EASIER INSTALLATION

With its compact size, Trane HSWA easily fits through a set of standard 1.7-metre-wide by 2.0-metre-tall double doors with no disassembly required. For a single 0.85-metre door passage, Trane HSWA only needs to be disassembled into two sections, as compared to other chillers that may require being disassembled into four or more pieces. This size advantage means faster and easier installation, saving both time and money.



Trane HSWA can easily fit through a set of standard double doors.

Trane sees our mission to enhance indoor living environment by maximizing the performance of buildings all over the world. The new **Trane® HSWA Centrifugal Chillers** continue that commitment by providing a solution that is compact and environmentally sustainable. Combining that with the efficiency and reliability of Trane, these chillers meet a wide range of rigorous conditions by optimizing compressor technology to meet all your cooling demands. Exactly what you'd expect from Trane.

TRANE RELIABILITY

With a completely new design, Trane HSWA features advanced oil-free, magnetic-bearing compressor technology and an industry-leading, next-generation heat exchanger design. These are enhanced by Trane® Controls expertise, creating unsurpassed reliability backed by an industry-leading warranty.

- Without gearbox and oil-lubrication system, it enhances reliability through simplicity of design.
- Two-stage compression enables wider operating map, reduces surge risk and increases uptime.
- Trane Adaptive Control™ enables the chiller to reliably operate in all real-world conditions, keeps it on-line under harsh conditions and maximizes the chiller plant performance.



ENVIRONMENTAL SUSTAINABILITY

Besides R-134a, Trane HSWA can also operate using the R-513A, a next-generation, low GWP refrigerant designed to minimize environmental impact without compromising performance, safety and reliability.

Ultimately, better full-load efficiencies lend themselves to lower demand charges and smaller electrical infrastructure, while better part-load efficiencies provide overall lower consumption charges. Reducing energy consumption across the board minimizes the adverse impact your chiller will have on the environment.