Agility® Magnetic Bearing Centrifugal Chiller

Model HDWA | Model HDTA (Twinplex™)

Compact Size Without Compromise

The Trane® Agility magnetic bearing centrifugal chiller simplifies complex retrofits with flexible installation, oil-free efficiency, and scalable performance, **now available up to 850 tons.**



Energy-Efficient Operation

Reduces energy use and demand charges to lower operating expenses.

- **Efficiency that Exceeds Standard Requirements**
  Full-load and Integrated Part Load Values (IPLV) can outperform ASHRAE® 90.1-2022 standard, helping reduce electrical consumption and demand charges, contributing to lower operating expenses.[6]
- **Precise Capacity Management**
  Coordinated compressor speed and guide vane control helps maintain setpoint efficiently as conditions change.
- **Efficient at Low Load**
  Agility units are designed to operate efficiently at lower loads, helping maintain performance as demand changes.[1]
- **Connected for Smarter Operation**
  Symbio® 800 controller enables secure connectivity and integration with building automation systems.

Space-Saving Design, Cost-Effective Installation

Reduces structural modifications to help save installation time and lower project costs.

- **Compact, Accessible Design**
  Both the HDWA and HDTA Twinplex™ models fit through a standard double door (72" x 80").[2]
  The HDWA breaks down into two sections to pass through a standard single door (36" x 80").
- **Reduced Installation Complexity**
  A compact footprint minimizes structural modifications cutting labor, disruption, and installation cost.

Performance Backed by Trane

Delivers stable, efficient performance across a wide range of operating conditions.

- **Higher-Capacity Configuration**
  The HDTA Twinplex™ extends the Agility line into higher tonnages, pairing dual compressors on the same proven magnetic bearing platform to deliver more capacity.
- **Optimized Heat Rejection**
  A hybrid adaptive frequency drive helps improve heat rejection efficiency and supports long-term reliability.
- **Resilient Restart Performance**
  Onboard Uninterruptible Power Supply (UPS) protection and Rapid Restart™ keep the Agility ready through power interruptions.

Reduce Your Environmental Footprint

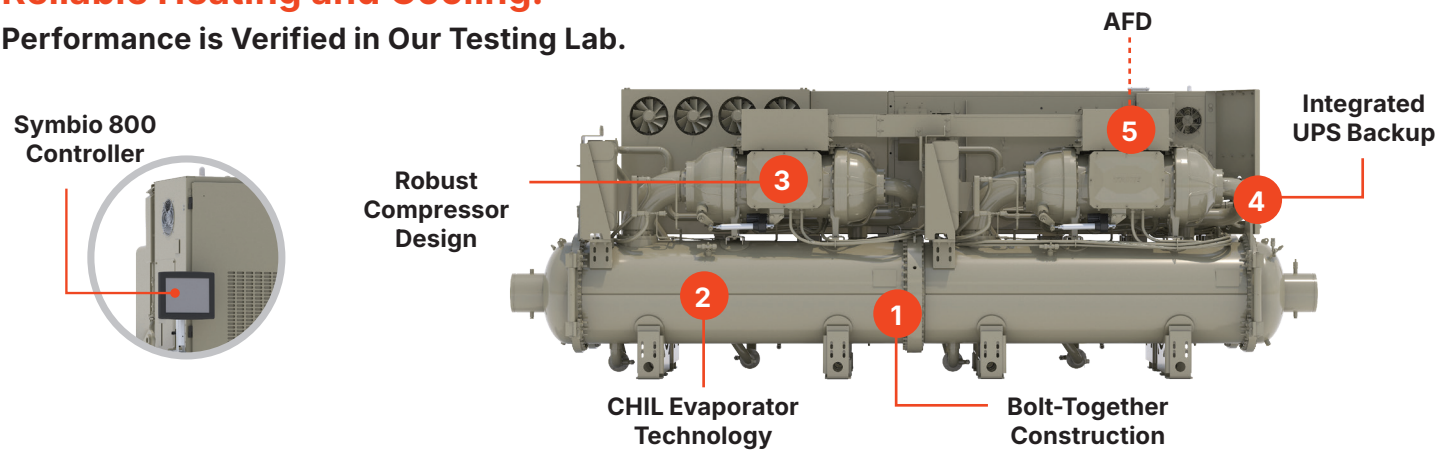
Helps reduce environmental impact while supporting building sustainability goals.

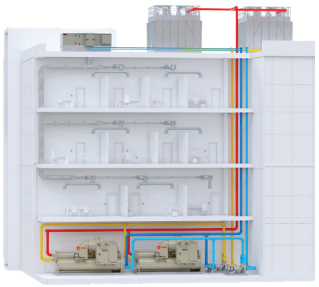
- **Lower-GWP Refrigerant**
  Agility chillers use low-GWP R-513A, offering a 55% reduction in global warming potential compared to R-134a[4].
- **Third-Party Verified Transparency**
  The HDWA features a third-party verified EPD, supporting sustainability documentation and informed decision-making.
- **Flexible Design Options**
  Available features such as harmonic filters, heat recovery, and thermal energy storage help manage peak demand and support lower-impact operation.[3]

1 Performance will vary by unit. Please consult with a Trane representative for specific details.
2 The HDWA and HDTA models fit through standard double doors with most options; some options require further disassembly. See product catalog for details.
3 Some available options may vary by unit. Please consult with a Trane representative for specific details.
4 R513A has a Global Warming Potential (GWP) of 631, calculated over a 100-year period relative to CO_2. This is 56% lower than R-134a (GWP 1,430).
6 Performance will vary by unit. Please consult with a Trane representative for specific details.

Reliable Heating and Cooling.

Performance is Verified in Our Testing Lab.





The Agility chiller is a part of the **Comprehensive Chilled Water System**, which delivers high performance cooling while helping to lower initial costs.

Performance Data	HDWA	HDTA (Twinplex™)
Cooling Capacity	175-550 tons[5] (2,100-4,900 MBH)	550-850 tons[5]
Physical Data		
Compressor	Centrifugal, Magnetic Bearing	Centrifugal, Magnetic Bearing
Number of Circuits	1	2
Refrigerant	R-513A	R-513A
Shell Config (EVAP/COND)	020/020, 040/040	080A
Refrigerant Charge (lbs)	Up to 800	625
Electrical Data		
Voltage	208-600V	460-600V
Certifications		
ISO 9001 Certified | Third-Party Verified EPD		
Dimensional Data		
HDWA	**129.9 in** *(Length)* **67.4 - 70.7 in** *(Width)* **72.2 - 78 in** *(Height)*	
HDTA	**220.3 - 230.3 in** *(Length)* **70.5 - 77 in** *(Width)* **79.4 in** *(Height)*	

[5] Depends on water conditions.

Contact your local Trane representative today or visit trane.com/agility for more information.

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