



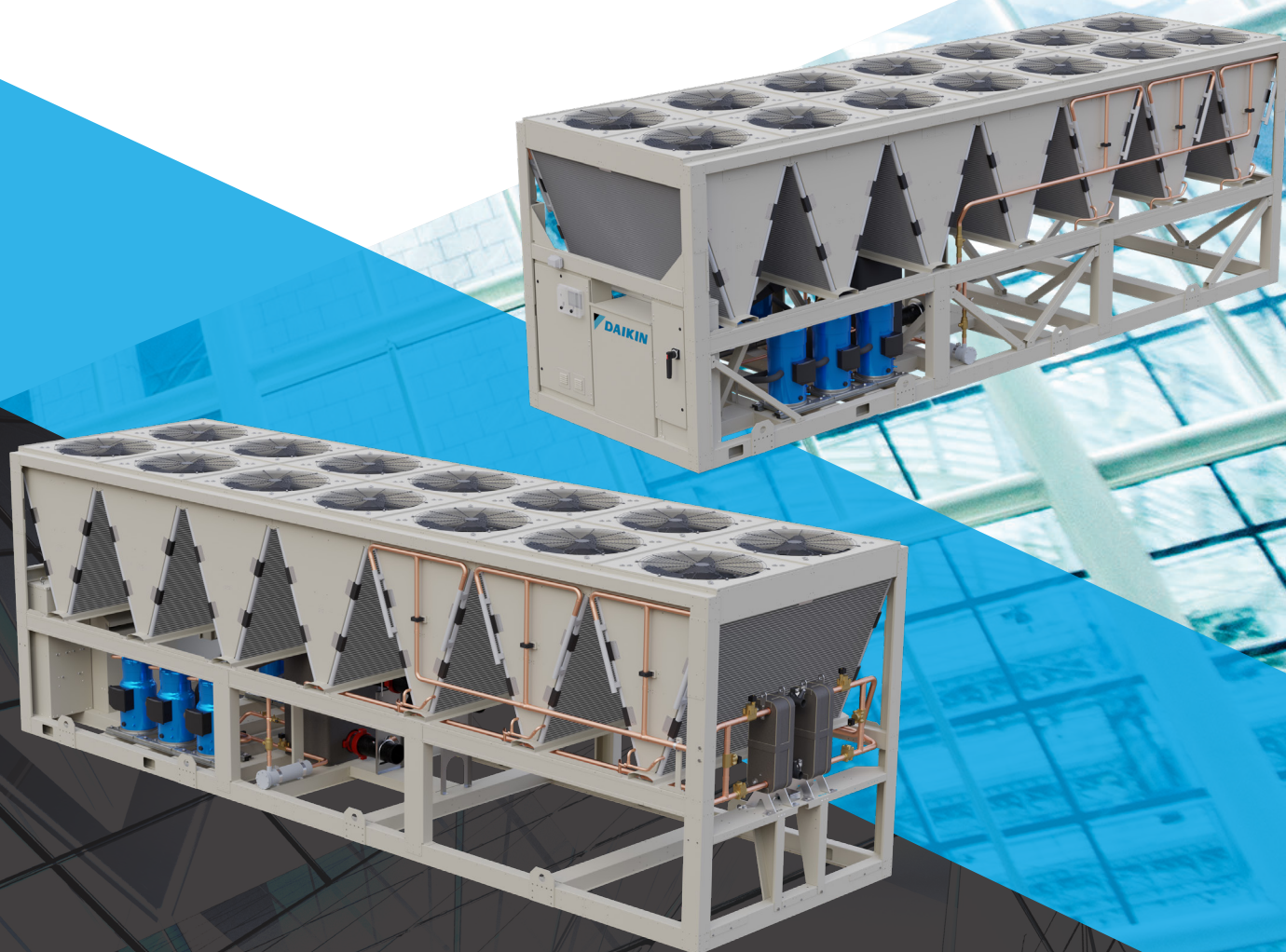
PRODUCT CATALOG

CAT-645

AUGUST 2026

TRAILBLAZER® AGZ-F

AIR-COOLED SCROLL COMPRESSOR CHILLER



- 30 - 230 TONS COOLING
- LOW-GWP R-32 REFRIGERANT

MEET YOUR MATCH

FOR EFFICIENCY, SOUND AND SIZE



Trailblazer AGZ-F chillers give you the scale to fit your cooling needs and offers the best overall value in air-cooled packaged chillers available today. Its quiet operation, high efficiency, RapidRestore® make these chillers ideal for mission-critical buildings, data centers, healthcare and manufacturing facilities. Furthermore, the utilization of new low-GWP R-32 refrigerant, combined with its high efficiency, presents the best solution for decarbonization while proactively addressing federal legislation aimed at phasing out higher-GWP refrigerants like R-410A.

PERFORMANCE

-  30 - 230 tons cooling
-  R32 Refrigerant
-  Meets or exceeds ASHRAE 90.1 PATH A & B

FEATURES

- > Quiet Operation
- > MicroTech® Unit Controller
- > RapidRestore® technology
- > LEED Credits

CERTIFICATIONS



LINKS:

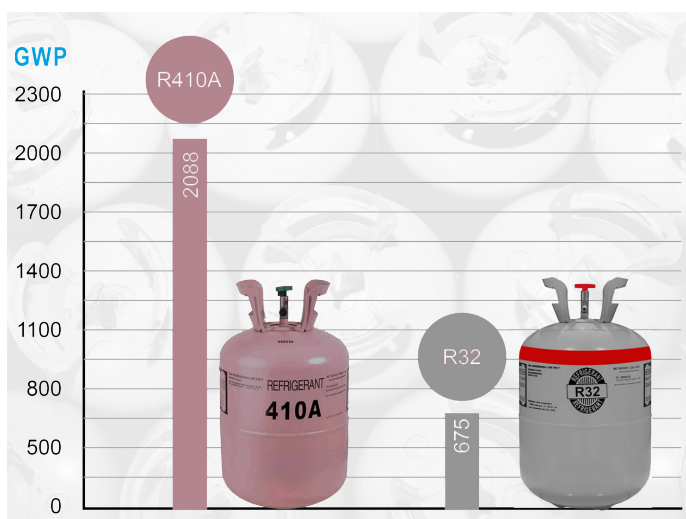


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Environmentally Friendly

Trailblazer AGZ-F chillers use environmentally acceptable R-32 refrigerant while helping projects meet today's sustainability goals. High operating efficiency reduces annual energy consumption, and the unit's refrigerant design can support green building initiatives, including LEED® Enhanced Refrigerant Management and Optimize Energy Performance credits.



Low GWP Refrigerant

With a Global Warming Potential (GWP) of 675, R-32 offers a **lower environmental impact** than R-410A while delivering excellent thermodynamic performance. Its high efficiency can reduce refrigerant charge requirements in certain applications, and as a single-component refrigerant, R-32 is easy to recharge, reclaim and recycle throughout the life of the equipment.

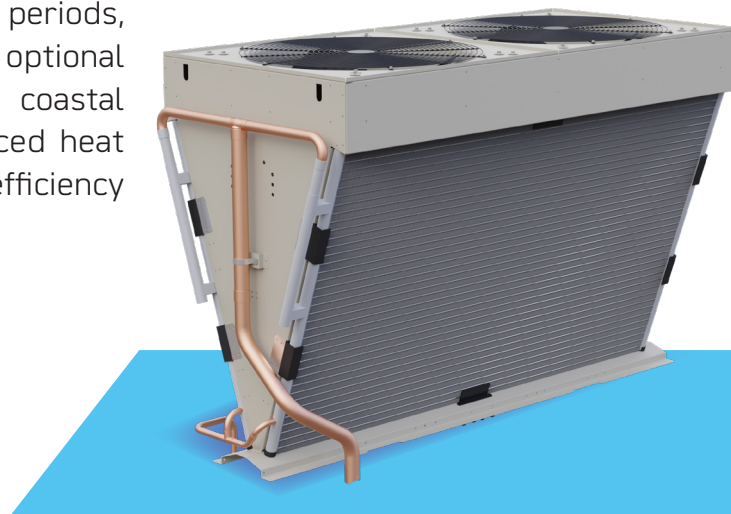
Industry-Leading Efficiency

Engineered for exceptional full- and part-load performance, the **Trailblazer AGZ-F** meets the **efficiency requirements of ASHRAE Standard 90.1**. Multiple scroll compressors and available high-efficiency variable-speed condenser fans optimize operation across changing load conditions, helping reduce annual energy costs.



MICROCHANNEL HEAT EXCHANGERS

Microchannel condenser coils engineered to deliver reliable, high-efficiency performance across a wide range of applications. The Long Life Alloy (LLA) microchannel coils offer high corrosion resistance over extended operational periods, reducing overall maintenance costs. Additionally, optional epoxy-coated coils offer added protection in coastal regions and other harsh environments. Enhanced heat transfer technology helps maximize system efficiency and long-term performance.



RAPIDRESTORE®

Unexpected power interruptions can disrupt building operations and critical processes. RapidRestore® technology helps the Trailblazer AGZ-F resume cooling quickly by accelerating the restart and load-up sequence after power is restored. The result is faster recovery, improved system resilience, and greater peace of mind for facilities where maintaining cooling is a priority.

RapidRestore® Times - After Power Restoration			
	Lead Compressor Start ³	Compressor Stage-Up	Fast-Loading to 100% Load
4 Compressors	120 sec ⁴	30-35 sec	215 sec
6 Compressors	120 sec ⁴	30-35 sec	275 sec

³ Time after power is restored
⁴ Dependent on power loss duration

RAPIDRESTORE®

ABILITY TO RESTART QUICKLY AFTER A POWER LOSS EVENT

FAST-LOADING

ABILITY TO REACH FULL LOAD OPERATION AFTER A POWER LOSS EVENT



4x FASTER
TO RESTORE FULL LOAD
COOLING CAPACITY

MICROTECH[®] CONTROLS

The MicroTech[®] control system provides intelligent unit management to help optimize performance, simplify operation and support long-term reliability. With intuitive monitoring, diagnostics and system integration capabilities, MicroTech gives building operators greater visibility into chiller operation while helping streamline maintenance and maximize uptime.



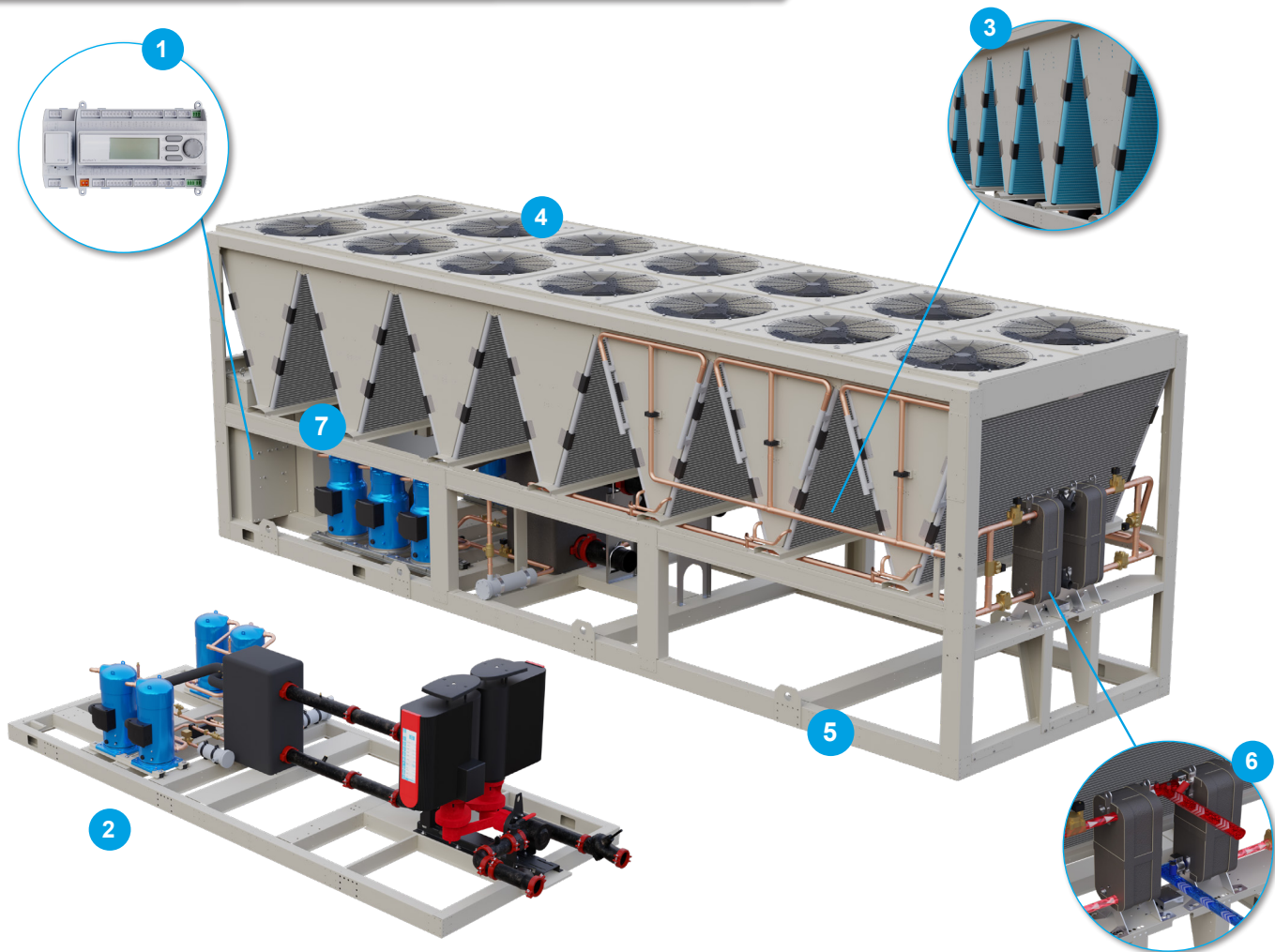
ECM FAN TECHNOLOGY

Daikin's electronically commutated motors (ECM) are advanced fan motor technologies that combine a **permanent magnet** (PM) rotor with integrated variable speed control to deliver precise, efficient airflow. Enabling real-time speed adjustments based on system demand.

This approach reduces mechanical losses, improves reliability and minimizes maintenance requirements. Daikin ECM motors operate on 3-phase power and can integrate with building control systems to optimize performance dynamically, delivering up to **15% fan energy savings** compared to conventional motor and belt-driven configurations.

The ability to precisely modulate airflow supports consistent temperature control across fluctuating load conditions, helping protect sensitive equipment and reduce the risk of hot spots.

Improved energy performance contributes to lower operating costs and supports sustainability goals, while the simplicity of a direct drive design enhances reliability and reduces downtime. This makes ECM-equipped air chiller units well-suited for mission-critical environments, while remaining effective across a wide range of commercial and industrial applications.



1 MICRITECH® UNIT CONTROLLER:

- Monitors unit status and provides fault protection
- Enables intuitive setpoint adjustments
- BACnet® or Modbus® options for easy BAS integration

2 PUMP PACKAGES:

- Chiller-powered and enabled pumps
- Eliminates separate pump sizing, sourcing and installation
- Simplifies installation and speeds project completion
- Helps maximize rooftop and chiller yard space

3 OPTIONAL EPOXY COATED COILS:

- Enhanced corrosion resistance and reliability
- Ideal for coastal and industrial environments
- 10,000-hour ASTM B117-90 salt-spray rating
- All-aluminum construction for long-lasting performance

4 LOW AMBIENT CAPABILITY:

- Variable speed fans allow for low ambient condenser head pressure control
- Enables operation down to -10°F and startup down to 0°F

5 OPTIONAL SEISMIC RATED CONSTRUCTION:

- OSP/IBC Seismic-certified
- Factory-engineered and tested
- Enhanced structural resilience for mission-critical readiness.

6 OPTIONAL PARTIAL HEAT RECOVERY:

- Recovers condenser heat during cooling
- Supports hot water applications
- Helps reduce boiler energy use and operating costs
- Improves overall system efficiency

7 OPTIONAL REMOTE EVAPORATOR:

- Eliminates need for glycol in the water loop avoiding performance de-rate



K-12 EDUCATION

Trailblazer® AGZ-F delivers efficient, quiet operation to help create comfortable learning environments for students and staff. High-efficiency scroll compressors, ECM fan technology and factory-installed compressor sound blankets work together to reduce operating sound while maintaining exceptional part-load performance and energy efficiency.



HEALTHCARE

Healthcare facilities require dependable cooling to support patient comfort and continuous operation. This chiller combines **RapidRestore® technology**, high-efficiency performance, and low sound levels to help maintain critical environments while minimizing downtime following power interruptions. **OSP/IBC Seismic-certified configurations are available** to support projects that require compliance with stringent seismic design standards, making Trailblazer AGZ-F a dependable choice for healthcare applications.



GOVERNMENT

Designed to deliver long-term value, Trailblazer AGZ-F helps government facilities balance performance, efficiency, and reliability. Its high-efficiency operation, **environmentally friendly R-32 refrigerant**, and durable design support sustainability initiatives while helping reduce operating and maintenance costs over the life of the equipment.



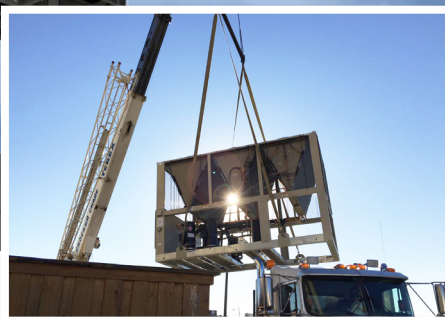
MANUFACTURING

Manufacturing facilities depend on consistent cooling to help protect equipment, processes, and productivity. Trailblazer AGZ-F delivers reliable performance with features such as **RapidRestore® technology**, allowing cooling to be restored quickly after a power interruption. High operating efficiency and dependable operation make it well suited for facilities where uptime is essential.

AIR-COOLED CHILLERS

COMPLETE, ULTIMATE FLEXIBILITY

Chillers make cold water or water/glycol fluid mixture to cool buildings or processes. An air cooled chiller rejects heat absorbed from the building or process directly to the outdoor air using refrigerant to air coils and fans that blow outdoor air directly over those coils.



APPLICATIONS

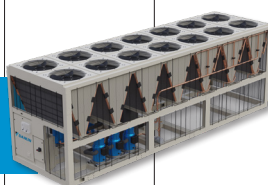
- ▶ *DATA CENTERS
- ▶ HEALTHCARE
- ▶ OFFICE BUILDINGS
- ▶ HIGHER EDUCATION
- ▶ HOSPITALITY

NAME/MODEL:

TRAILBLAZER®

AGZ
Scroll compressor

30-230 tons



OIL-FREE

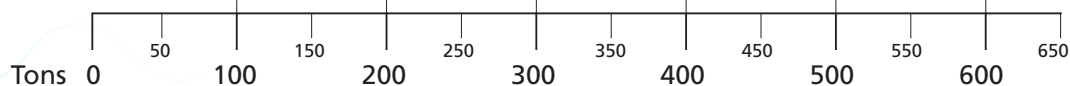
*AWM
Magnetic bearing compressor
* Designed for Data Center
Operational Conditions

PATHFINDER®

AWV
Screw compressor

100-565 tons

400-600 tons



MAINTAIN AND REPAIR

PROTECTIVE MAINTENANCE SERVICES

[LEARN MORE](#)

REPAIR SERVICES

Breakdowns happen and when your equipment has an issue, time is of the essence. Call us at 800-432-1342 to get Daikin Service professionals dispatched quickly and minimize downtime. Your local team is backed by nearly 100 years of experience to alleviate undue stress in your operations.

- **24/7 Emergency Service**
- **System Repairs & Assessments**
(Ancillary Equipment: Boilers, Cooling Towers)
- **Equipment Diagnostics**
- **Technical Troubleshooting**
- **Building Automation & Controls**
- **OEM & Generic Parts/Supply**
- **All Equipment Types & Brands**

PREDICTIVE SERVICES

Predictive maintenance services anticipate failures before they happen to mitigate the risk of catastrophic failure. For those who have in-house maintenance capabilities, Daikin Service can also guide your team and be on standby for more complex technical needs with predictive maintenance.

- **Oil & Refrigerant Analysis**
- **Vibration Analysis**
- **System Diagnostics**
- **Eddy Current Testing**
- **Infrared Analysis**
- **Combustion Analysis**
- **IAQ Assessments**
- **Laser Alignments**
- **Bearing Analysis**

PLANNED MAINTENANCE SERVICES

Daikin Applied's service technicians can perform all of the vital maintenance your system needs to ensure your equipment is running at peak efficiency. From proper cleaning to software upgrades and necessary maintenance, our techs will maximize your system to help extend the life of your equipment.

- **Regularly Scheduled Maintenance**
- **Seasonal Startup & Shutdown**
- **System Diagnostics**
- **Condenser Cleaning**
- **Air Filters**
- **On-site System Inspections**

PROACTIVE SERVICES

With proactive maintenance services, we support you with proven experts, offerings and processes to ensure customers get the help they need from a trusted advisor.

- **Building Operations Review**
- **Contingency Planning**





A photograph of a retail store interior, possibly a pharmacy or health food store. The store has light-colored walls and a tiled floor. In the foreground, there are several low-profile shelving units. One unit on the left holds various bottles and boxes, including some large white jugs. Another unit in the center holds more bottles and boxes. To the right, a display rack holds several pairs of colorful socks (red, black, and green) hanging from the rack. In the background, there are large windows with white frames, and an "EXIT" sign is visible above one of the windows. The store appears to be well-stocked with various products.



- TRAILBLAZER AGZ-F

RENTAL SOLUTIONS

KEEPING YOU UP AND RUNNING

[LEARN MORE](#)



CHILLERS | AIR CONDITIONERS | DEHUMIDIFIERS | HEATING | POWER

EMERGENCY RENTALS

When your equipment fails, limiting downtime is mission critical. Daikin Applied provides quick delivery and installation of reliable rental products to help you weather the outage. We're here to help get you back up and running, and can provide a turnkey solution.

- Industry-leading efficiency and proven technology
- 24-hour turnaround on available inventory
- 8-hour average set up with on-site experts
- Comprehensive package, including pumps, flexible water piping connection and electrical hookups

EQUIPMENT FOR PLANNED SITUATIONS

Forming a contingency plan in the event of an outage can help you quickly get operations back to normal and limit financial loss, and help you breathe easier when the unexpected happens. Selecting the right-sized equipment is just one part of the process. The best contingency plans start by assessing and understanding your financial risk, and then using this information to drive the rest of your plan. Our Rental Solutions experts can specify the supplemental cooling system required to support any situation you're experiencing.

- System maintenance
- Building expansion
- Server room heat generation
- Seasonal/staff heat load swings
- Contingency plans

SUPPLEMENTAL CAPACITY

When the demand of your facility or process exceeds your current system's capacity because of record-high temperatures or changes to cooling requirements, Daikin temporary rentals can be used to increase your heating or cooling output. By eliminating the need to purchase additional equipment that might be only used part of the year, you save on capital expenditures.

STANDBY

Standby for critical applications and processes is another efficient use for temporary rental equipment. A temporary system is sometimes used to back up manufacturing and chemical processes, or when a hospital's required system redundancy has been reduced.

COMPLETE HVAC SYSTEM SOLUTIONS

ROOFTOPS | HEAT PUMPS | CONDENSING SYSTEMS | COILS
SELF-CONTAINED | CONNECTED BUILDING CONTROLS | AIR HANDLERS
UNIT HEATERS/FAN COILS | VARIABLE AIR VOLUME
WATER SOURCE HEAT PUMPS | UNIT VENTILATORS
WATER-COOLED CHILLERS | MODULAR SOLUTIONS
AIR-COOLED CHILLERS



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LEARN MORE AT
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