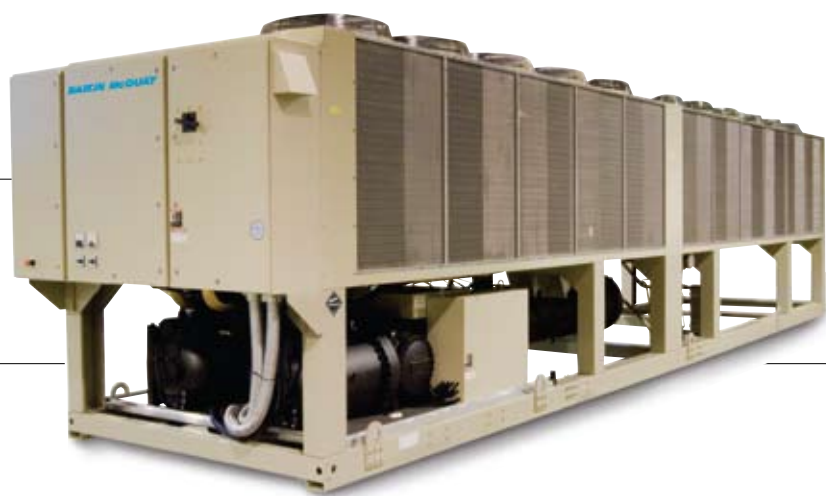
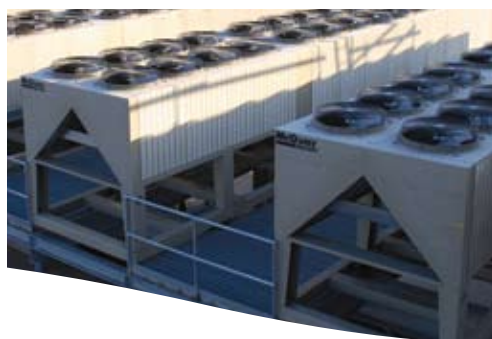


DAIKIN McQUAY™



Pathfinder™
Air-Cooled Chiller
175 - 530 Tons

Engineered for flexibility and performance™



The Daikin McQuay Pathfinder Chiller

THE BEST CHOICE IN AIR-COOLED CHILLERS

Innovative Technology, Inspired Teamwork

Daikin and McQuay have teamed their corporate resources and technologies to provide products that set world standards for performance, quality and sustainability. Drawing from the strengths of both companies, the Daikin McQuay family of products offers innovative solutions for today's most challenging issues backed by a culture of continuous improvement and sharing of technologies.



Efficient performance for operating cost savings throughout the life of the chiller

Quiet performance for even sound-sensitive environments

Reliable cooling on the hottest day of the year

Choices for multiple efficiency levels



Solutions for Your Toughest HVAC Issues

Reduce your operating costs

- Three levels of efficiency available to match your requirements
 - *Standard*: meets ASHRAE Standard 90.1 for efficiency
 - *High*: enhanced efficiency, up to 10.8 EER at full load
 - *Premium*: highest full load efficiency in its class with part load performance that rivals chillers with VFDs

Neighborhood friendly, quiet operation

- The Pathfinder™ Chiller continues the McQuay legacy of air-cooled chillers with the quietest performance published, with sound pressure levels as low as 65 dBA with no attenuation
- Designed to be the quietest air-cooled chiller in the industry
 - Advanced, low-speed fans with patented blade profile for the ultimate in quiet operation
 - Unique single-rotor compressor minimizes mechanical vibration

Ideal for replacement opportunities

- Small unit footprint with the maximum condenser heat transfer per foot of unit length
- Smaller pad size required for installation
- Single or multi-point power connection available

Manage your maintenance costs

- Planned maintenance agreements available from McQuay Factory Service
- All Pathfinder Chillers shipped within North America are D-Net™ remote service capable. D-Net, based on Daikin customer support technology, provides McQuay with a direct electronic connection to your Pathfinder chiller, giving McQuay Factory Service the ability to provide an enhanced level of support to keep your system running efficiently and reliably.
- Easy access for in-house maintenance staff or service contractors to reach the most commonly serviced unit components





Daikin McQuay Pathfinder™ Chiller

- 1] **Compressor Controls**
Uses precise control logic for excellent operating efficiencies at both full and part load.
- 2] **Optimized Condenser**
Maximum heat transfer surface area resulting in a small unit footprint.
- 3] **Evaporators**
Direct expansion, pure counter-flow for impressive heat exchanger effectiveness.
- 4] **Economizer**
Optimizes refrigerant flow for maximum performance on high and premium efficiency models.
- 5] **Patented One-piece Molded Fan Blade**
Moves large quantities of air at exceptionally quiet levels. Composite material developed and tested for 10 years to resist UV light damage and corrosion.
- 6] **Unique Single-rotor Screw Compressor**
Designed specifically to operate more quietly than dual screw compressors.
- 7] **Easy Access**
Key components conveniently located on the periphery of the unit: compressors, filter-driers, manual liquid-line shutoff valves.



Interior View



Patented Condenser Fan Blade Design



Single Main Rotor - Dual Gaterotor Screw Compressor



8] Serviceability

Enough headroom for a service person to stand up comfortably inside the unit.

9] Multiple Compressors with Independent Circuits

For efficient part load operation and unit redundancy.

10] Precise, Proactive Controls

Adjust to changing operating conditions, keeping the unit safely online while delivering optimum efficiency. Unit controller is easy for operators to learn and use.

11] Wye-delta or Solid State Starters

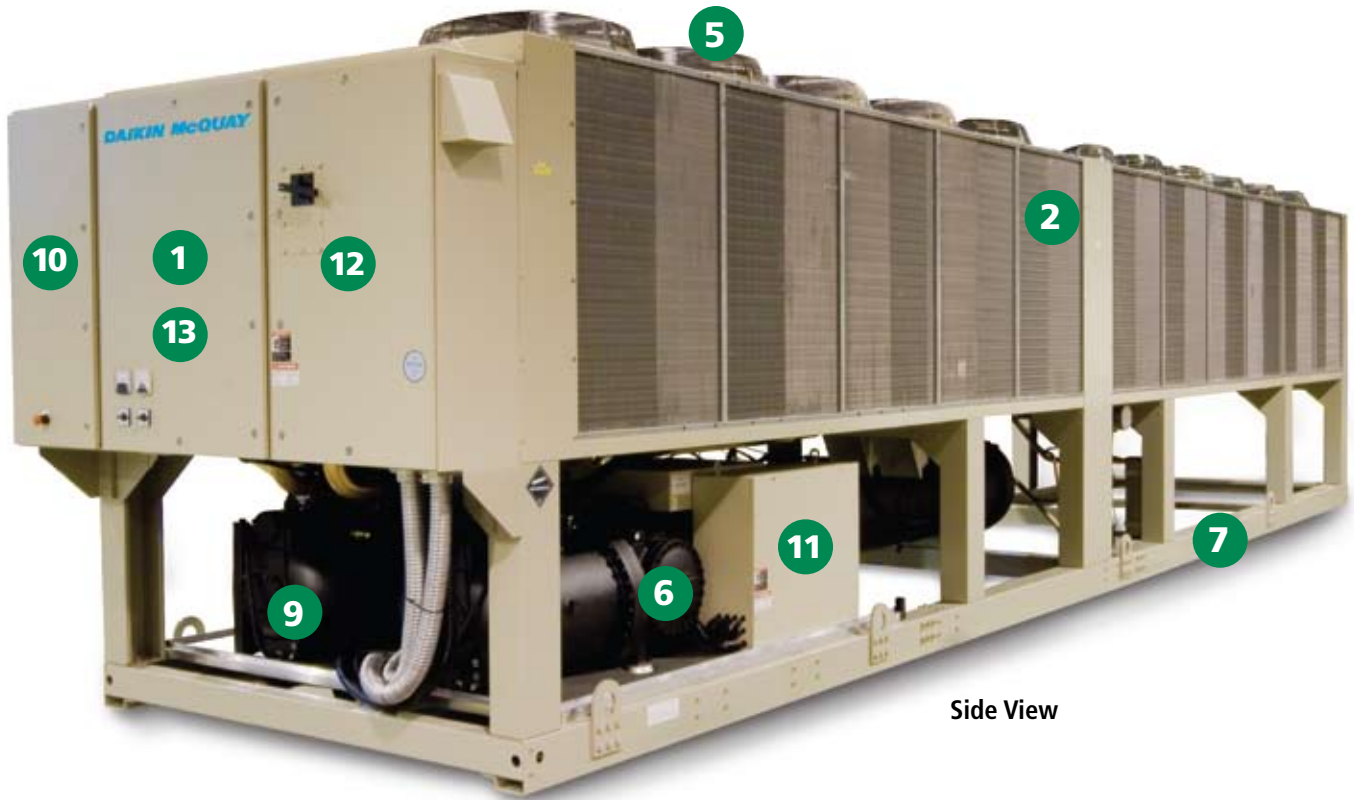
Both starter options available with solid state starters offering smooth, stepless acceleration and deceleration to reduce electrical and mechanical stress, resulting in longer compressor and motor life.

12] Expanded Electrical Voltages

Ideal for new construction or retrofit projects; available at 60 Hz (208/230/380/460/575V) and 50 Hz (400V).

13] Open Choices™ Feature

For easy integration with your choice of building control system using BACnet®, LonTalk® or Modbus® protocols.



Side View



Making your building A GREENER PLACE

for working, learning and enjoying...

Contributing to LEED® Points

The Pathfinder™ Chiller leads the industry in energy efficiency, quiet operation and responsible refrigerant management. For building owners who want to pursue Leadership in Energy and Environmental Design (LEED) Green Building Certification, the performance of the Pathfinder Chiller can contribute to the following LEED points.

- Energy and Atmosphere Credit 1, Optimize Energy Efficiency 1 to 19 possible points
- Energy and Atmosphere Credit 4, Enhanced Refrigerant Management 2 points

Committed to Environmental Responsibility

McQuay air-cooled chillers have offered environmentally responsible refrigerants since 2002. The Daikin McQuay Pathfinder Chiller continues this legacy by operating with HFC-134a, a refrigerant with no ozone depletion potential and no phase-out schedule, making it the responsible choice for today and tomorrow.

Daikin has been named one of the 100 most sustainable corporations for three years in a row by Corporate Knights, Inc with Innovest Strategic Value Advisors, Inc. Daikin and McQuay are committed to designing the most energy efficient, sustainable products in the industry. Our goal is a continuous improvement in energy efficiency to reduce CO₂ emissions from product usage.

**In all of us,
a green heart**



The green heart symbol represents a determination on the part of each and every employee of the Daikin Group to think green.





Ready for the World

Daikin McQuay Pathfinder™ Chillers are available with both 50 and 60 Hz in *Standard*, *High* and *Premium* efficiency models, designed specifically for installation anywhere in the world. McQuay has proven its air-cooled chiller system expertise in more than 20,000 installations in some of the most demanding climates in the world.



Pathfinder™ Air-Cooled Chiller Summary Specifications

	Standard Efficiency	High Efficiency	Premium Efficiency
Capacity (tons)	175 – 530	210 – 530	210 – 350
Full load (EER)	9.6 – 9.8	10.2 – 10.8	11.1 – 11.6
Part load (IPLV, EER)	13.1 – 13.5	13.4 – 14.1	14.4 – 15.1
Power	60 Hz, 50 Hz	60 Hz, 50 Hz	60 Hz
Sound pressure (dBA) per ARI 370 without attenuation	65 - 70	68 - 72	69 - 70
Refrigerant	R-134a	R-134a	R-134a

For detailed Pathfinder Chiller product information, please contact your McQuay representative or visit www.mcquay.com to view the Pathfinder Chiller catalog.

Make it a McQuay System

After you have selected a Pathfinder™ Chiller, choose McQuay air handlers or terminal units for optimum system performance and reliability.



**Pathfinder™
Air-Cooled Chiller**
175 to 530 tons

Need a Smaller Air-Cooled Chiller with Big Features?

For buildings with smaller systems, choose the quiet, efficient McQuay 30 to 190-ton scroll chiller, available with extensive features such as unit-mounted pump packages for installation cost savings.



**McQuay 30 to 190 ton
air-cooled scroll chiller**



Vision™ Indoor Air Handler - 900 to 65,000 cfm



Skyline™ Outdoor Air Handler - 900 to 65,000 cfm



Destiny™ Indoor Air Handler - 600 to 15,000 cfm



RoofPak™ Outdoor Air Handler - 4000 to 50,000 cfm



Fan Coil Units - 200 to 3,000 cfm



Unit Ventilators - 750 to 2,000 cfm

McQuay[®]
International

a member of **DAIKIN** group

800.432.1342
www.mcquay.com

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Mixed Sources

Product group from well-managed forests, controlled sources and recycled wood or fiber
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