



SOLUTIONS OFFERING

Daikin Applied HVAC Systems



Perfecting The Air We Share 

LEARN MORE AT [DAIKINAPPLIED.COM](https://www.daikinapplied.com)

THE WORLD'S LEADING INNOVATOR IN HVAC

LEADING THE WAY FOR OVER 95 YEARS



WHO WE ARE

Daikin Industries, Ltd. is a Forbes 1000 global company with revenues of \$27 billion and more than 88,000 employees worldwide, making it the world's number one air-conditioning company. Daikin is engaged primarily in the development, manufacture, sales and aftermarket support of heating, ventilation, air conditioning and refrigeration (HVACR) equipment, refrigerants and other chemicals, as well as oil hydraulic products.

THE INDUSTRY LEADER IN ENVIRONMENTAL SOLUTIONS














We are strongly committed to protecting the health and safety of people while finding sustainable solutions to lead the industry. As an HVAC leader, we recognize the unique opportunity to make a difference in environmental initiatives while educating the next generation to further improve efficiencies and create a more sustainable world for all. Our investments in innovation, technology, and sustainability earned Frost & Sullivan's Manufacturing Leadership Award. Our products save energy, reduce environmental impact, and help facilities earn points toward LEED® certification with Environmental Product Declaration (EPD®) verification.

As our HVAC technologies advance global standards for sustainability, it is equally important to ensure our processes do too. Our organization is home to a total of eight ISO 14001 certified sites, demonstrating the use of strong and verifiable environmental management systems (EMS) and further supporting our already strong commitment to environmental stewardship.





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DAIKINAPPLIED.COM

Daikin Applied's official website serves as a library of resources, including our product information, catalogs, manuals, brochures and more.



Product Catalogs



IM/OM Manuals



Brochures



Case Studies



Controls Integration



Revit Files



Photo Library



Video Library



Design Software Tools



Archived Resources



Application Software

OUR SERVICES & OFFERINGS

DAIKIN SERVICE SOLUTIONS: WE MAKE BUILDINGS BETTER

Make no mistake about it, your building can be your second-best employee. It's an essential investment to grow your company for the future, so it's critical to help it perform to your employees' and your customers' standards. Daikin Service can help you build convenience by keeping current systems up and running; build confidence by implementing upgrades to existing systems; and build excellence to make your system and facilities best-in-class. daikinapplied.com/services



Maximize the Life of Your System



Upgrade and Modernize



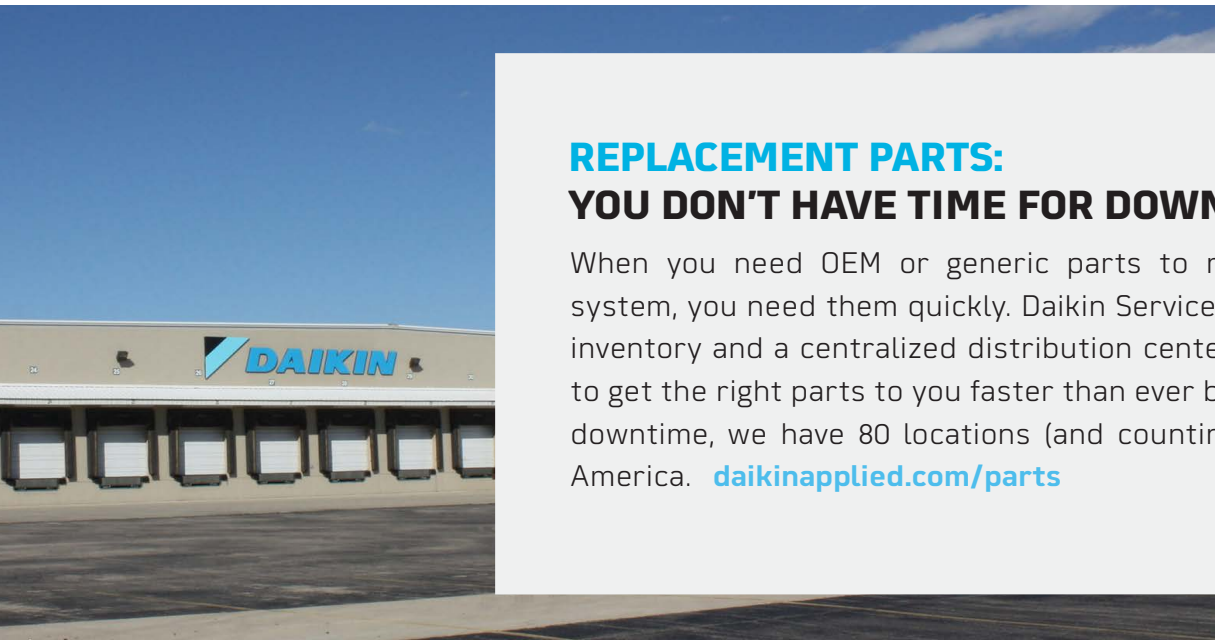
Achieve Best-in-Class Facilities



DELIVERING BUILDING CONVENIENCE,
CONFIDENCE AND EXCELLENCE

REPLACEMENT PARTS: YOU DON'T HAVE TIME FOR DOWNTIME

When you need OEM or generic parts to repair your HVAC system, you need them quickly. Daikin Service has an expansive inventory and a centralized distribution center in Dayton, Ohio, to get the right parts to you faster than ever before. To mitigate downtime, we have 80 locations (and counting) across North America. daikinapplied.com/parts



RENTAL SERVICES: WEATHER THE UNEXPECTED

Planning for “what ifs” can be a real game changer for building owners, facility engineers and facility managers, not to mention grappling with actual heating and cooling emergencies. Contingency planning can solve both long- and short-term needs.

Daikin Service delivers chillers, dehumidifiers, heat and power solutions, as well as applications expertise and responsive support. Our rental chillers and temporary cooling capabilities are at your service 24/7 throughout the United States and Canada.

We offer a complete package with your rental chiller, including pumps, flexible water piping connections, and electrical hookups. daikinapplied.com/rentals



SOLUTIONS PLAZA: EXPERIENCE INTERACTIVE INNOVATION

Occupying the 21st floor of the Exchange Place Centre in New Jersey, our Solutions Plaza allows visitors to explore Daikin’s new technologies firsthand with our high-tech showroom containing our newest HVAC products. Solutions Plaza gives engineers, owners, contractors, architects and customers the knowledge they need to have confidence in their buying decisions. With customized customer visits, remote witness tests, continuing education seminars, industry meetings and much more, Solutions Plaza is the perfect way to make an impact.

daikinapplied.com/industry-solutions/solutions-plaza



APPLIED DEVELOPMENT CENTER: TESTING FACILITY FOR GLOBAL APPLIED R&D

The Daikin Applied Development Center is the world's most advanced facility for HVAC research and development. The location serves as a center of innovation to develop and test advanced chiller, compressor and other HVAC technologies that will reduce energy consumption and ultimately lower the carbon footprint of buildings.



DAIKIN LEARNING: LEARN FROM THE INDUSTRY PROFESSIONALS

Daikin Learning drives business value by providing excellence in learning to our external and internal customers. Daikin Learning is transforming learning into modern, technology-enabled and scalable experiences driving business value and creating excellence in HVAC training.

Our goal is to provide the product-specific education necessary to establish a high level of proficiency in operating and servicing Daikin products. daikinapplied.com/training



CREATING EXCELLENCE IN HVAC TRAINING



DAIKIN APPLIED NATIONAL ACCOUNTS:

As a Daikin Applied National Account, you get the services of an HVAC expert who understands your systems, business and priorities. Your Daikin Applied representative will make your life easier by finding the perfect solutions to your HVAC challenges, saving you both time and money. You will also have the support of an extended team — a team you can leverage to gain insights, quickly resolve issues and maximize performance—from a single building to an entire enterprise.

We provide specialized expertise in market segments such as healthcare, K-12 and higher education, retail/grocery, data centers, logistics, manufacturing, hospitality, office, and local, state and federal government.



COOPERATIVE PURCHASING: POWER IN PARTNERSHIP

Cooperative purchasing networks ensure full compliance to their respective sector by ensuring jobs are competitively bid on a regular basis. Vendors must meet all national mandates and provide competitive quotes. Purchasing organizations enjoy increased purchasing power and a simpler buying process. Participants have access to Daikin Applied's full scope of advanced technology solutions, including commercial HVAC systems, comprehensive HVAC services and turnkey solutions.

DAIKIN APPLIED BUILDING SERVICES

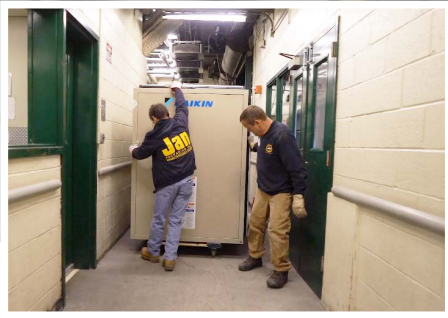
As a Daikin Applied National Account, you have priority access to our Building Services portfolio of offerings, which includes:

- > Preventive Maintenance Agreements and Plans
- > Building Optimization
- > Energy Savings Evaluations
- > Equipment Replacement Analysis
- > Indoor Air Quality (IAQ) Analysis
- > On-Site Training
- > Systems Evaluation
- > Rental Solutions
- > Turnkey Equipment Replacement

SELF-CONTAINED

ADVANCED TECHNOLOGIES. UNPARALLELED PERFORMANCE

Self-contained systems provide a unique solution to meet project demands. These units can be built and shipped as a complete system, or alternatively, they can be built and shipped in module sections to easily fit into freight elevators and through narrow hallways/doors.



APPLICATIONS

- ▶ HEALTHCARE
- ▶ OFFICE BUILDINGS
- ▶ SCHOOLS
- ▶ MANUFACTURING
- ▶ HOSPITALITY

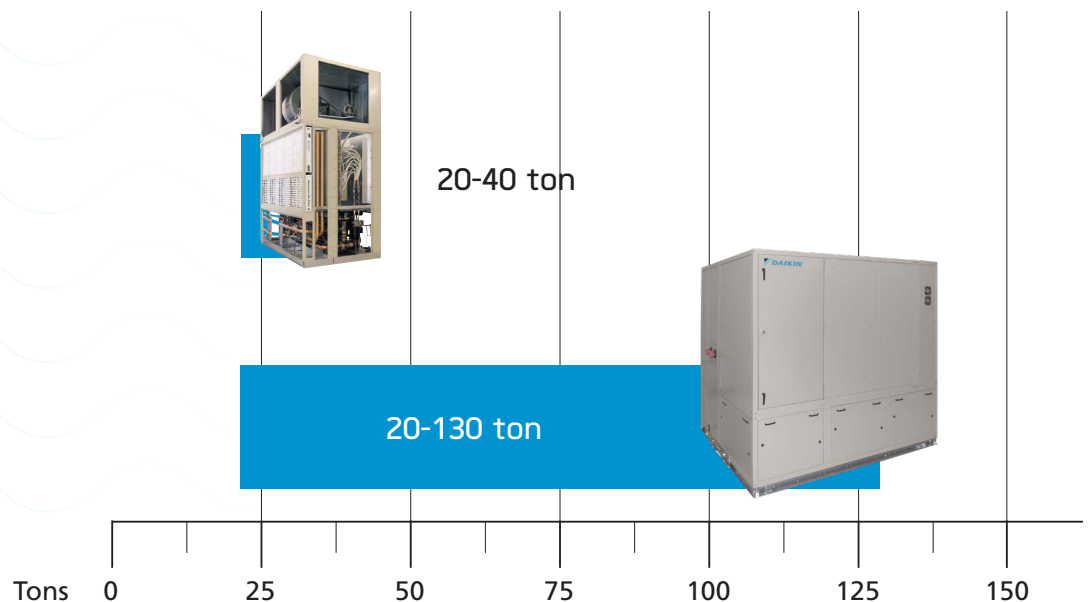
NAME/MODEL:

SELF-CONTAINED

SWT
Demanding Retrofit

SELF-CONTAINED

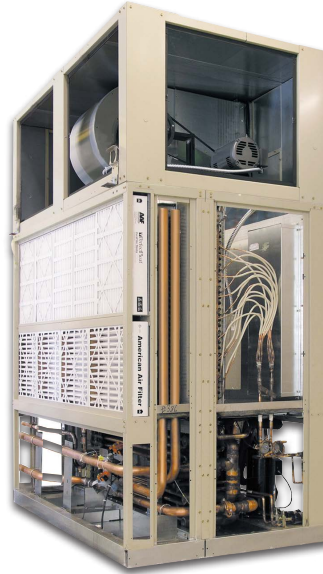
SWP
New Construction/Retrofit



MODEL SWT

DEMANDING RETROFIT SELF-CONTAINED

The modular self-contained SWT system offering is easily disassembled and assembled into three compact sections; (1) main cooling and heating, (2) filter and waterside economizer, and (3) plenum fan assembly to meet application and performance needs for demanding retrofit applications.



PERFORMANCE

- 240-576 Mbh
- 20-40 tons
- 018-040 sizes
- 4,500-16,000 cfm
- R-407C

FEATURES

- Modular, 34-inch maximum sections
- MERV 8, 11, 13 or 14 filtration
- Variable and constant air volume configurations
- Free cooling economizer

PERFORMANCE

- 240-1701 Mbh
- 20-130 tons
- 023-130 sizes
- 3,440-42,780 cfm
- R-410A

FEATURES

- Quiet SWSI airfoil plenum fan
- Factory-installed variable frequency drives
- Controls flexibility for easy BAS integration
- MERV 8, 11, 13 or 14 filtration

MODEL SWP

NEW CONSTRUCTION/RETROFIT SELF-CONTAINED

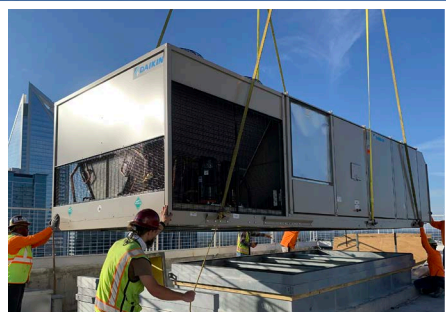
For new construction or easy retrofit projects, self-contained SWP systems offer design flexibility, durable construction, quiet operation, low installation costs and improved operating efficiencies. These systems are ideal for applications where energy efficiency, reliability, better indoor air quality and acoustics are top priorities.



ROOFTOPS

ADVANCED TECHNOLOGIES. UNPARALLELED PERFORMANCE

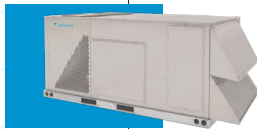
Daikin Applied rooftop systems offer flexible ways to provide treated air for one to eight-story buildings. Our 3-25 ton light commercial, 3-75 ton commercial and 45-140 ton applied rooftop systems offer scalable solutions for engineers, contractors and building owners across North America.



NAME/MODEL:

MAVERICK® I

MPS
Light Commercial



3-25 ton

REBEL®

DPS
Commercial



3-28 ton

REBEL APPLIED™

DPSA
Packaged



20-52 ton

MAVERICK® II

MPS
Commercial



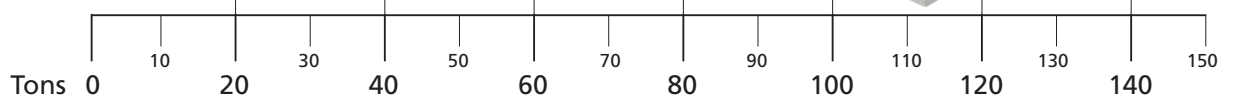
26-75 ton

ROOFPK®

RPS
Applied



45-150 ton



APPLICATIONS

- ▶ HEALTHCARE
- ▶ OFFICE BUILDINGS
- ▶ SCHOOLS
- ▶ MANUFACTURING
- ▶ HOSPITALITY






MODEL MPS

COOLING & HEAT PUMP MAVERICK® I

Maverick I rooftops are dependable and cost-effective due to efficient scroll compressors, integrated blower control, and easy-to-access mechanical components that reduce service costs.



PERFORMANCE

-  Cooling and heat pump
-  3-25 tons
-  1,000-10,000 cfm
-  R-410A
-  15 IEER

FEATURES

- > Modular, 34.5 maximum sections
- > MERV 7, 8, 11, 13 or 14 filtration
- > Variable and constant air volume configurations
- > Free cooling economizer

PERFORMANCE

-  Cooling and heat pump
-  3-28 tons
-  Up to 10,500 cfm
-  R-410A
-  20.6 IEER

FEATURES

- > Variable speed Daikin inverter compressor
- > 100% dedicated outdoor air system (DOAS)
- > Direct-drive, variable speed ECM or VFD fan motors
- > Variable speed heat pump

MODEL DPS

COOLING & HEAT PUMP REBEL®

Rebel provides building owners with energy savings up to 43% above ASHRAE's 90.1 2016 standard, enabling complete system payback in under two years.



MODELS DPSA/DFSA

HEATING & COOLING REBEL APPLIED™

Rebel Applied is an all-encompassing packaged rooftop solution that rises above its class with industry-leading high-performance design, maximum energy efficiency, lowest lifecycle cost and unlimited configurability.

PERFORMANCE

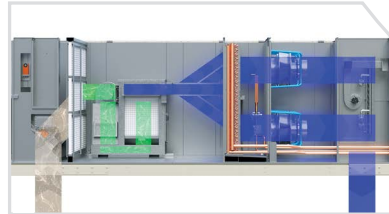
-  Heating and cooling
-  20-52 tons
-  5,000-21,000 cfm
-  R-410A
-  Up to 20.0 IEER

FEATURES

- R-13, double-wall foam, integral thermal break
- Low casing up to 5" of static pressure
- 37% shorter, 30% lighter than legacy rooftops
- Modular construction simplifies retrofits



Inverter Scroll Compressors



Sorbent Ventilation Technology



Unmatched Retrofit Capabilities



MODEL MPS

HEATING & COOLING MAVERICK® II

Maverick II rooftops arrive as a complete packaged solution, maximizing design and installed cost savings with a wide-range of factory-installed options.



PERFORMANCE

-  Heating and cooling
-  26-75 tons
-  6,000-28,000 cfm
-  R-410A
-  10.0+ IEER

FEATURES

- > Variable or constant air volume operation
- > Energy recovery reduces energy costs
- > Double-wall construction with access doors
- > Gas heat with staged or modulating control

PERFORMANCE

-  Heating and cooling
-  45-150 tons
-  5,000-50,000 cfm
-  R-410A
-  Seismic certified

FEATURES

- > Modular construction, walk-in access
- > Energy recovery reduces energy costs
- > Factory-integrated options & flexibility
- > Easy BAS integration

MODELS RPS/RFS/RDT/RCS

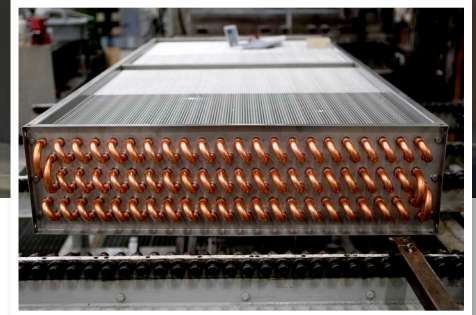
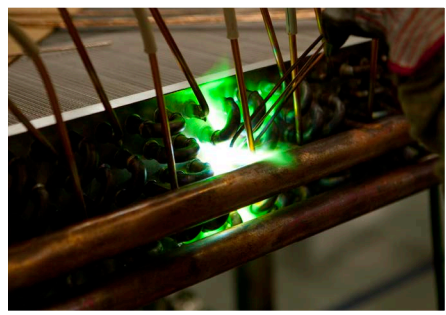
HEATING & COOLING ROOFPAK®

RoofPak combines the lower installation costs and interior space savings of a roof-mounted system with the operating and maintenance efficiencies of central heating and cooling systems.



COILS

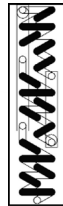
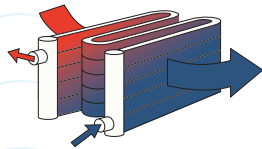
Daikin coils offer the widest variety of materials, physical sizes, fin spacings, row depths and circuiting. Hi-F (high-efficiency) fins maximize heat transfer with fewer fins to lower your initial cost. E-F (energy-efficient) fins save energy by reducing air pressure drop as much as 33%, while also lowering fan brake horsepower requirements.



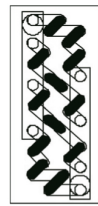
NAME/MODEL:

CHILLED WATER

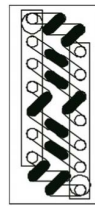
5WQ/5MH/5MS/5WH/5WS/
5WM/5WD



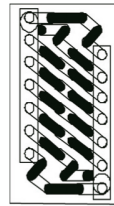
5WQ



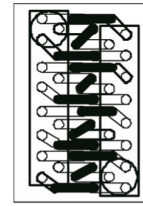
5WH



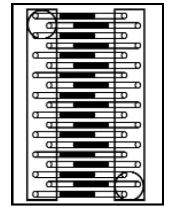
5WL



5WS



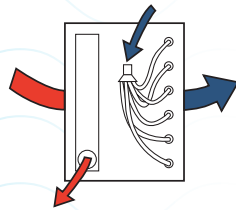
5WM



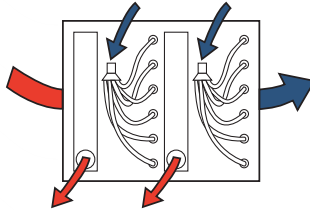
5WD

EVAPORATOR

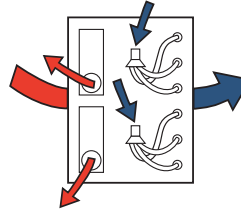
5EN/5EF/5ER/5EJ/5EK



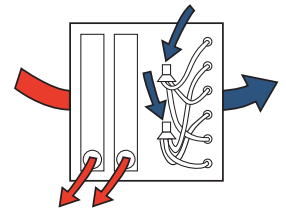
5EN



5ER



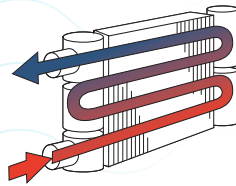
5EF



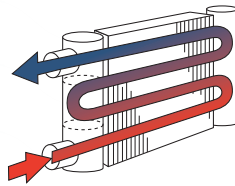
5EJ/5EK

HOT WATER

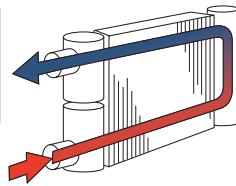
5MQ/5MH/5MS/5WB/5WQ/5WH/
5WL/5WS/5WM/5WD



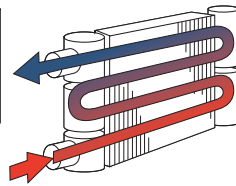
5MQ



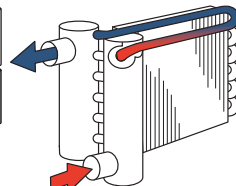
5WH



5WH



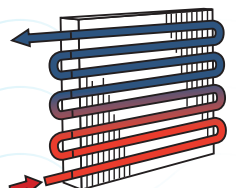
5WS



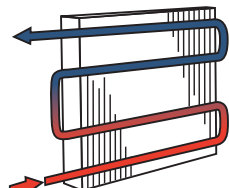
5MQ/5MH/5MS

BOOSTER

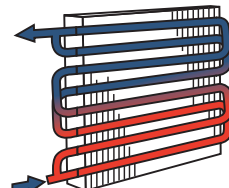
5BB/5BS/5BD



5BS



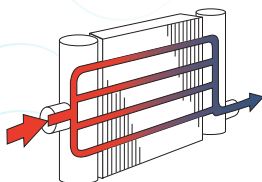
5BB



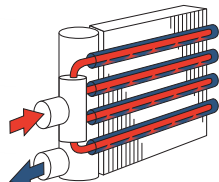
5BD

STEAM

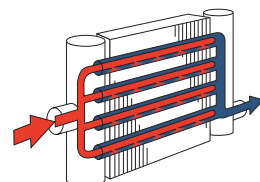
5SA/5HA/5JA/5GA/
8JA/8GA/8RA/8TA



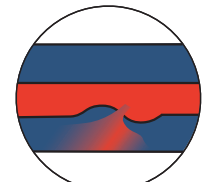
5SA/5HA



5JA/5GA/8JA/8GA



8RA/8TA

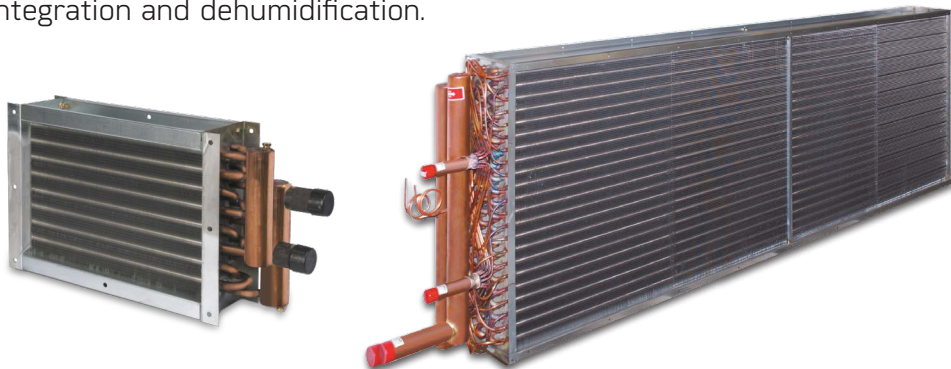


Directional orifice

FINS HI-F5/E-F5

WATER COOLING/ EVAPORATIVE

Cooling coils are designed for use with chilled or well water in comfort cooling, process, dehumidifying and special applications. Evaporative coils deliver the maximum heat transfer under all operating conditions and are excellent for comfort cooling, process integration and dehumidification.



PERFORMANCE

- 300°F maximum
- 2-12 rows
- Up to 200 psig
- 5/8" copper tubing
- Up to 14 fins per inch

FEATURES

- AHRI Standard 410 certified
- Staggered design for increased cooling
- Factory leak tested at 315 psig
- Vents and drains on all water coils

PERFORMANCE

- 400°F maximum
- 1-12 rows
- Up to 250 psig
- 5/8" and 1" copper tubing
- Up to 14 fins per inch

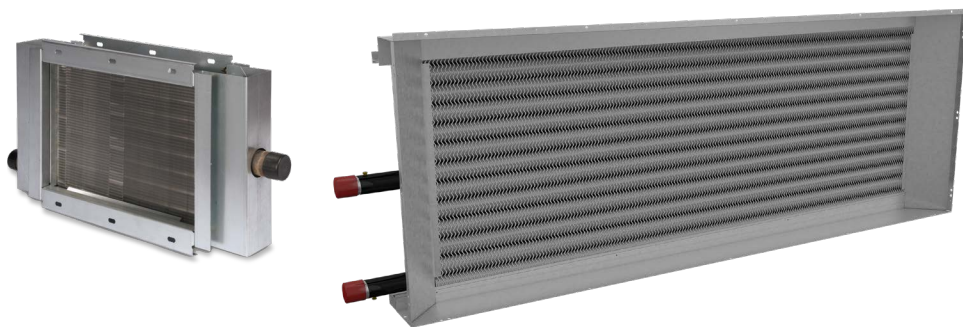
FEATURES

- AHRI Standard 410 certified
- Staggered design for increased heating
- Factory leak tested at 315 psig
- Vents and drains on all water coils

FINS HI-F5/HI-F8/E-F5

WATER HEATING/ BOOSTER/STEAM

Heating coils produce high capacities with limited water quantities, while booster coils are designed for use in reheat applications in constrained spaces. Our interchangeable steam coils with optimal fin design serve both general and special-purpose applications with high-performing heat transfer capabilities.



CONDENSING UNITS

SOLUTIONS TO MATCH YOUR PRIORITY

Daikin Applied offers a wide range of air-cooled, split system condensing units with abundant options to meet efficiency, performance or serviceability requirements. Our condensing units meet ASHRAE 90.1 efficiencies, run quietly and provide low-ambient operation range down to 0°F.



APPLICATIONS

- ▶ HEALTHCARE
- ▶ OFFICE BUILDINGS
- ▶ SCHOOLS
- ▶ MANUFACTURING
- ▶ RETAIL

NAME/MODEL:

COMMERCIAL SPLIT SYSTEM

RCS
R-410A Air-cooled



6-20 ton

APPLIED SPLIT SYSTEM

RCS
R-22/R-407C Air-cooled



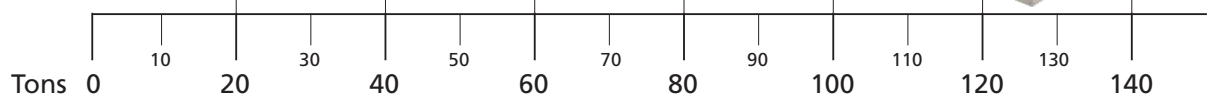
25-135 ton

APPLIED SPLIT SYSTEM

RCS
R-410A Air-cooled



15-140 ton



MODEL RCS

R-410A COMMERCIAL SPLIT SYSTEM

Commercial split systems are dependable and cost-effective due to efficient scroll compressors and easy-to-access mechanical components that reduce service costs.



PERFORMANCE

- ❗ Operates down to 0°F
- ❄️ 6-20 tons
- ⚙️ 2-stages (10+ tons)
- 🌀 1 refrig. circuit
- 📊 Meets min. efficiencies

FEATURES

- > Salt spray resistant exterior
- > Small footprint
- > Pairs with PreciseLine air handlers
- > Low cost, economical commercial solution

PERFORMANCE

- ❗ Operates down to 0°F
- ❄️ 15-140 tons
- ⚙️ Head pressure control
- 🌀 2 refrig. circuits
- 📊 Up to 15.4 EER

FEATURES

- > Micro-channel coils - (R-410A units)
- > Redundant dual refrigerant circuits
- > Quiet, vertical condenser fans
- > Multiple stages of capacity control

MODEL RCS

R-410A & R-22/R-407C APPLIED SPLIT SYSTEM

Designed for quiet and energy efficient operation that meets ASHRAE 90.1 efficiency requirements, RCS split systems can be combined with Daikin air handlers and coils to match exact job application requirements.



AIR HANDLERS

COMPLETE, ULTIMATE FLEXIBILITY

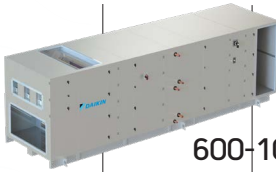
Daikin Applied indoor and outdoor air handlers are used to condition and circulate large volumes of air throughout a space via ductwork and are part of a system using either a chiller with cooled water or a condensing unit in a direct expansion (DX) system.



NAME/MODEL:

PRECISELINE®

BCH/BCA/BCV
Indoor



600-10,000 cfm

REBEL®

DAH
Outdoor Chilled Water



500-11,500 cfm

ROOFPAK®

RAH/RDS
Outdoor



4,000-50,000 cfm

SKYLINE®

OAC/OAH
Outdoor

900-51,000 cfm



VISION®

CAC/CAH
Indoor

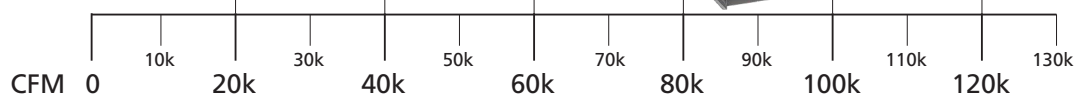
900-84,500 cfm



Custom

CAC/CAH/OAC/OAH
Indoor/Outdoor

900-84,500 cfm



APPLICATIONS

- ▶ HEALTHCARE
- ▶ OFFICE BUILDINGS
- ▶ SCHOOLS
- ▶ MUSEUMS
- ▶ GOVERNMENT

MODELS BCV/BCA/BCH

INDOOR PRECISELINE®

PreciseLine's compact vertical and horizontal configurations give system designers and contractors unmatched design capability when faced with tight space restrictions.



PERFORMANCE

- R-6.5
- 006-050 sizes
- 600-10,000 cfm
- .5-133 kW elect. heat
- MERV 8 or 13 filtration

FEATURES

- > DOAS/VRV integration
- > Factory-installed valve and piping packages
- > Double wall, 1" foam thermal panels
- > Economizer mixing box option

PERFORMANCE

- R-13
- 003-021 sizes
- 500-11,500 cfm
- 6-140 kW elect. heat
- 30% more efficiency

FEATURES

- > Variable speed ECM or direct-drive fans
- > Optional factory-installed valves
- > Quiet, double-wall foam cabinet
- > 2" and 4" slide-out filter racks

MODEL DAH

OUTDOOR CHILLED WATER REBEL®

When combined with Daikin Applied air-cooled chillers, Rebel offers engineers and building owners a chilled water solution featuring technologies that provide for a complete single-sourced system..



MODEL RAH/RDS

OUTDOOR ROOFPAK®

RoofPak is a preferred HVAC solution for building projects that want to capitalize on decades of innovation, design flexibility and durable construction expertise that yields low capital and operating costs.



PERFORMANCE

- ☀️ R-6.5
- ❄️ 006-050 sizes
- 🌀 4,000-50,000 cfm
- 🌀 Blow/draw-through coils
- 🌀 MERV 8 and 13 filtration

FEATURES

- > Modular construction, walk-in access
- > 100% DOAS, VAV or CAV operation
- > Independent IBC seismic certification
- > Easy BAS integration

MODELS OAC/OAH

OUTDOOR SKYLINE®

Skyline's modular platform construction featuring 2-inch incremental dimensioning gives engineers unlimited design capabilities to incorporate valuable features and options to specifically match application requirements.



PERFORMANCE

- ☀️ R-13
- ❄️ 003-090 sizes
- 🌀 900-51,000 cfm
- 🌀 Blow/draw-through coils
- 🌀 MERV 8-17 filtration

FEATURES

- > Sorbent Ventilation Technology (SVT)
- > Space-saving ECM fan array
- > Modular design flexibility
- > Fixed plate or energy recovery wheel

MODELS CAC/CAH

INDOOR VISION®

Vision meets demands for improved indoor air quality, low sound, high operating efficiency and smaller mechanical rooms with patented construction that provides unequalled thermal efficiencies and low leakage rates.



PERFORMANCE

- ❄️ R-13
- ❄️ 003-169 sizes
- 🌀 900-84,500 cfm
- 🌀 Blow/draw-through coils
- 🌀 MERV 8-17 filtration

FEATURES

- > Sorbent Ventilation Technology (SVT)
- > Space-saving ECM fan array
- > Modular design flexibility
- > Fixed plate or energy recovery wheel

PERFORMANCE

- ❄️ R-13
- ❄️ 003-169 sizes
- 🌀 900-84,500 cfm
- 🌀 Blow/draw-through coils
- 💡 +/-8" static pressure

FEATURES

- > Sorbent Ventilation Technology (SVT)
- > Space-saving ECM fan array
- > Factory options for customized flexibility
- > HEPA, PCO, gas phase & low pressure filtration

MODELS CAC/CAH/OAC/OAH

INDOOR/OUTDOOR CUSTOM

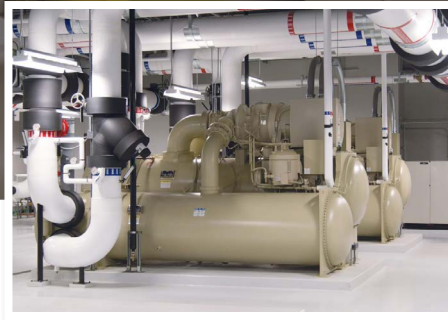
With the ability to attain a maximum of Class 6 leakage, Daikin custom air handlers provide the ultimate in design flexibility and turn-key solutions for increased filtration in healthcare facilities, clean rooms or labs.



WATER-COOLED CHILLERS

ENERGY SAVINGS BUILDING OWNERS DEMAND

Chillers make cold water or water/glycol fluid mixture to cool buildings or processes. A water-cooled chiller rejects the absorbed heat to an additional fluid loop that can then reject the heat through a secondary device such as a cooling tower or dry cooler.



NAME/MODEL:

WATER-COOLED

WGZ
Scroll compressor



30-200 tons

NAVIGATOR®

WWV
Screw compressor



120-300 tons

TEMPLIFIER®

TGZ/TSC
Heat recovery water heaters

15-1,200 tons



MAGNITUDE®

WMC/WME
Magnetic bearing compressor

86-1,600 tons



CENTRIFUGAL

WSC
Single compressor

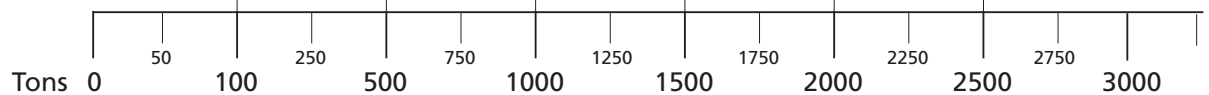
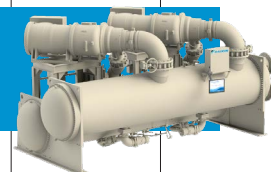
300-1,350 tons



CENTRIFUGAL

WDC/WCC
Dual compressor

600-2,700 tons



APPLICATIONS

- ▶ HEALTHCARE
- ▶ OFFICE BUILDINGS
- ▶ SCHOOLS
- ▶ MANUFACTURING
- ▶ DATA CENTERS

MODEL WGZ

SCROLL COMPRESSOR WATER-COOLED

Shipped complete, these units are among the quietest and most reliable chillers available today. Their efficient and quiet operation is ideal for sound-sensitive, water-cooled, remote air-cooled or evaporative condenser applications.



PERFORMANCE

-  R-410A
-  30-200 tons
-  72 dBA
-  56-352 gpm
-  Up to 21.3 IPLV

FEATURES

- > Vibration isolators for quiet operation
- > Controls flexibility with easy BAS integration
- > Fits through standard door openings
- > Advanced DDC controls

PERFORMANCE

-  R-134a
-  120-300 tons
-  422-1,055 kW
-  0.36 kW/ton IPLV
-  35 second restart

FEATURES

- > RapidRestore® and Fast Loading
- > Variable volume ratio (VVR) technology
- > Integrated variable frequency drive (VFD)
- > Easily integrates into BAS of choice

MODEL WWV

SCREW COMPRESSOR NAVIGATOR®

Navigator integrates variable volume ratio (VVR®) compressor technology to give you the advantage of a system that is quiet, while adapting to real-time building demands for the most efficient and cost-saving operation possible.



MODEL TGZ/TSC

HEAT RECOVERY TEMPLIFIER®

Templifier recovers large amounts of heat that would typically be rejected from the building and then use that heat for processes, building heat, or domestic hot water. They offer significant environmental advantages over boilers or electric heat for greener building solutions.



PERFORMANCE

- R-134a
- 15-1,200 tons
- 52-4,220 kW
- Up to 160°F water
- 600-18,000 MBh

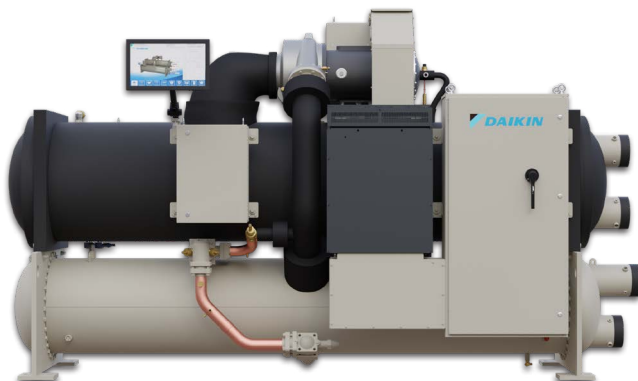
FEATURES

- > Economical hot water heating
- > Off-loads boilers & cooling towers
- > No ozone depleting refrigerant
- > Reduced chemical treatment costs

MODELS WMC/WME

MAGNETIC BEARING MAGNITUDE®

Magnitude is up to 40% more efficient than standard centrifugal chillers and can save up to \$4 million over the life of the chiller. Quiet operation and proven reliability across the world's largest installed base of chillers make Magnitude the preferred choice for all types of building applications.



PERFORMANCE

- R-134a or R-513A
- 86-1,600 tons
- 302-5,627 kW
- 40% more efficient
- 17 sec. power restore

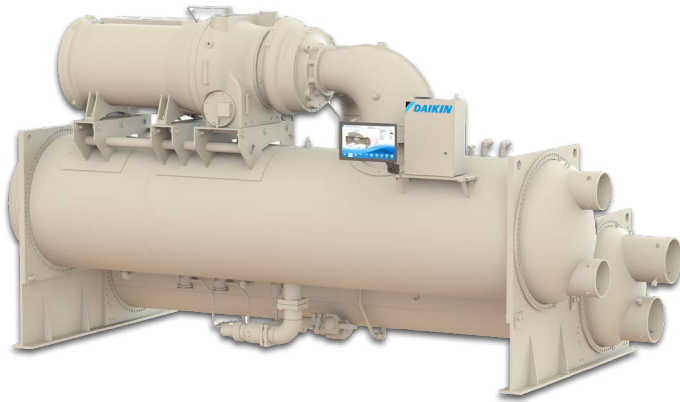
FEATURES

- > Rapid Restore® and Ride-Through® technology
- > Oil-free, magnetic bearing technology
- > Efficient variable frequency drives (VFDs)
- > 2" incremental dimensioning design


MODEL WSC

SINGLE COMPRESSOR CENTRIFUGAL

These chillers easily integrate with building automation systems, are seismic compliant, quiet and have a wide operating range to allow operation at varying lift conditions. Knockdown allows entry into tight areas for both new and replacement applications.



PERFORMANCE

-  R-134a or R-513A
-  300-1,350 tons
-  1,050-4,750 kW
-  Lowest part-load kW

FEATURES

- > Smallest footprint per ton optimizes space
- > Easy disassembles and reassembles at site
- > Non-ozone depleting refrigerant
- > Seismic certified

PERFORMANCE

-  R-134a or R-513A
-  600-2,700 tons
-  2,110-9,500 kW
-  Lowest part-load kW

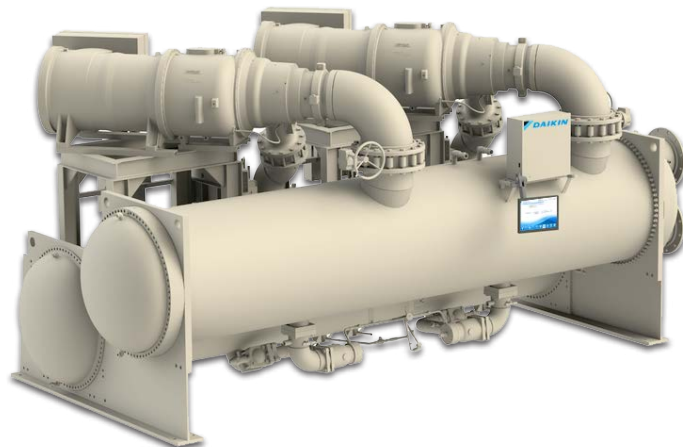
FEATURES

- > 35% cost savings over multiple chillers
- > Built in redundancy reduces downtime
- > Non-ozone depleting refrigerant
- > Seismic certified

MODELS WDC/WCC

DUAL COMPRESSOR CENTRIFUGAL

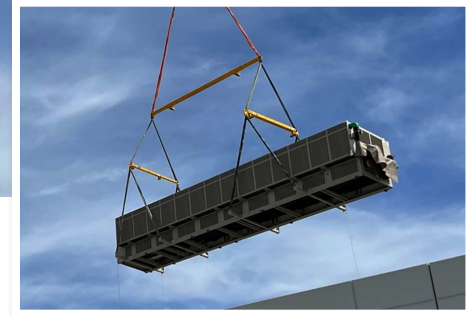
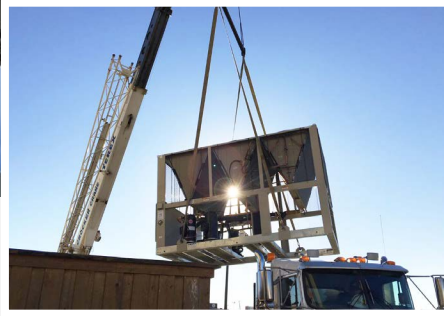
Dual compressor chillers offer excellent full and part-load performance for increased energy savings and system redundancy, similar to two separate chillers, with a lower total-installed cost.



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 the 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

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

NAME/MODEL:

TRAILBLAZER®

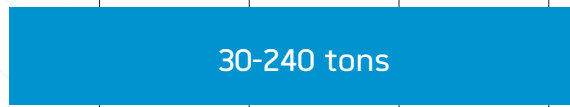
AMZ/EWYQ (25 ton)
Scroll compressor



10-40 tons

TRAILBLAZER®

AGZ
Scroll compressor



30-240 tons



PATHFINDER®

AWV
Screw compressor



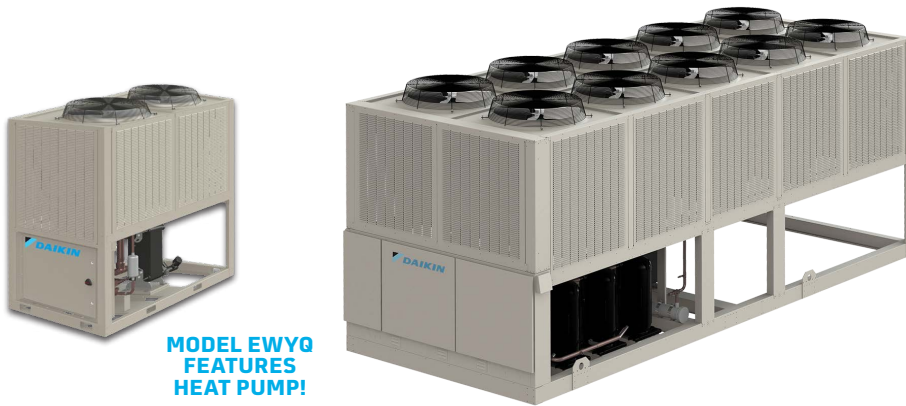
100-565 tons



MODELS AGZ/AMZ/EWYQ

SCROLL COMPRESSOR TRAILBLAZER®

Trailblazer® provides 10% more efficiency than leading competitors at design and off-design conditions. With a broad tonnage range, it gives you the scale to fit your cooling needs and offers the best overall value in air-cooled packaged chillers available.



PERFORMANCE

- R-410A
- 10-240 tons
- 35-800 kW
- 45% heat recovery
- Up to 16.7 IPLV

FEATURES

- > Quiet operation as low as 61 dBa
- > RapidRestore® full power in <4 minutes
- > Easy integration with BAS of choice
- > Compact unit footprint

PERFORMANCE

- R-134a or R-513A
- 100-565 tons
- 350-1,985 kW
- Up to 60% more efficient
- +22 IPLV

FEATURES

- > Variable volume ratio (VVR) technology
- > Integrated free cooling economizer
- > RapidRestore® and Fast Loading technology
- > 100% fully configurable

MODEL AWV

SCREW COMPRESSOR PATHFINDER®

The 100% configurable, free-cooling Pathfinder is the most efficient machine on the market today – the first air-cooled screw chiller with IPLVs exceeding 22 EER. It includes an array of features that optimize sound, and deliver the lowest turndown in flow and highest leaving chilled water capabilities.



MODULAR CENTRAL PLANT (MCP)

SCALABLE SOLUTIONS TO ACCOMMODATE EXPANSION

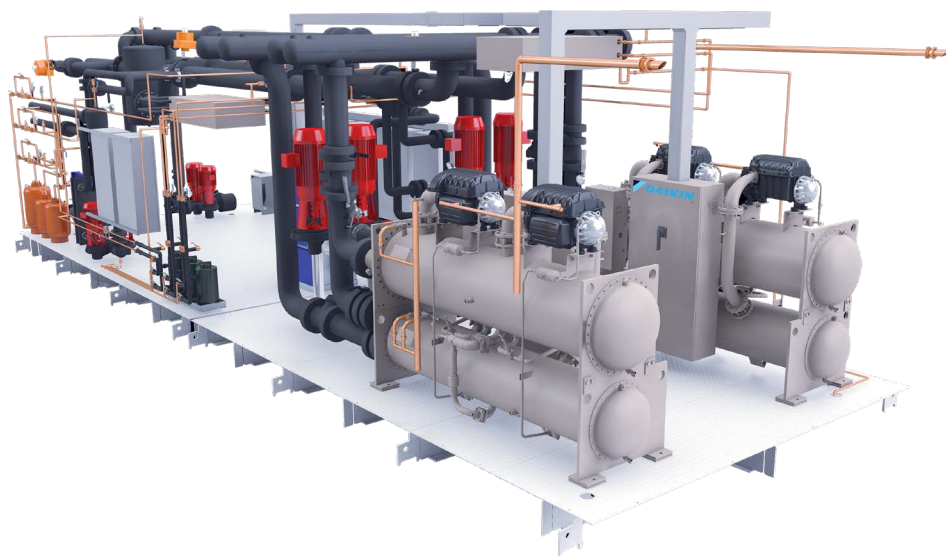
When building for today with an eye toward tomorrow, pick a scalable solution that can accommodate expansion in the years ahead. A Daikin MCP is a complete central plant including all components: chillers, boilers, domestic hot water, pumps, piping, electrical, controls and cooling towers.



MODEL MCP

MODULAR SOLUTIONS

Each modular central plant (MCP) is custom designed and fabricated in our production facility by a certified team for your specific project. Before shipping to the installation site, each MCP is fully assembled and tested in the factory.



BENEFITS

- ✂ 100% turnkey
- ✂ Fits specific footprint
- 🕒 Meets fast-track jobs
- 💰 Lowest cost per ton
- 🏗 Custom engineered

SOLUTIONS

- > Modular construction, easy walk-in access
- > Complete management through delivery
- > Simplified single-source responsibility
- > Scalable for ongoing building expansions

SITELINE™ BUILDING CONTROLS

MAKING AUTOMATION SIMPLE

Whether you're overseeing a complex HVAC ecosystem of equipment and buildings or monitoring standalone units, SiteLine Building Controls and Service Solutions will help you create comfortable and sustainable environments where tenants work and live.



BENEFITS

- Increases efficiency
- Improves operations
- Optimizes IAQ
- Measures carbon goals
- Keeps tenants cool

SOLUTIONS

- Preventive alerts to reduce downtime
- Scalable for equipment and buildings
- Remote monitoring from any device, anywhere
- Advanced security to protect data

MODELS SDE/SWL/SPP

EQUIPMENT & BAS CONNECTIVITY

SiteLine's scalable, cloud-based equipment and building automation systems (BAS) instantly and easily optimize the performance of Daikin HVAC units and any HVAC ecosystem - including other makes and existing building systems. You'll get real-time analytics that provide effortless insight and optimization for energy, indoor air quality and sustainability.



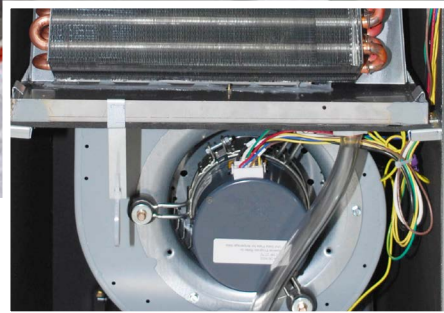
SITELINE™
DAIKIN BUILDING CONTROLS

- Dedicated Equipment
- Wireless BAS
- Pre-programmed BAS

UNIT HEATERS/FAN COILS

PERFORMANCE YOU DEMAND. QUALITY YOU EXPECT.

For over 80 years, building owners, facility managers, and specifying engineers have turned to Daikin unit heaters and fan coils to meet and surpass their most desired requirements, with options and sizing to meet room application and conditions.



NAME/MODEL:

**CABINET
UNIT HEATERS**
UHH/UDH

18-610 Mbh



Mbh 0 200 400 600



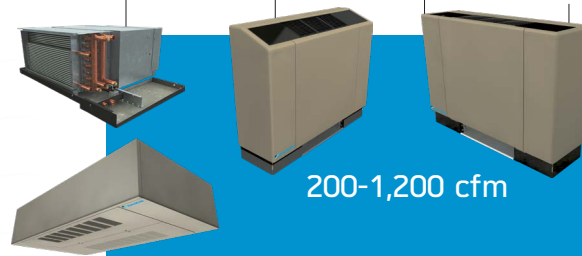
APPLICATIONS

- ▶ HOSPITALITY
- ▶ GOVERNMENT
- ▶ HEALTHCARE
- ▶ SCHOOLS
- ▶ OFFICES

NAME/MODEL:

THINLINE

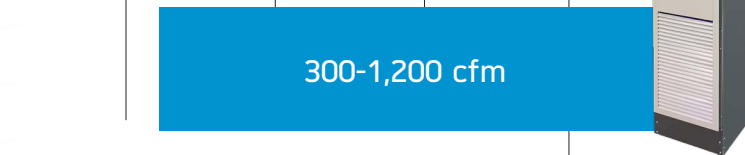
FCH*/FCV*/FHV*/FHW*/FHH*
Flat/Slope Top, Concealed,
Recessed, Exposed



200-1,200 cfm

OPTILINE™

FSG
Vertical Stacked



300-1,200 cfm

CFM 0 250 500 750 1000 1250 1500

MODELS UHH/UDH

CABINET UNIT HEATERS

Daikin horizontal and vertical cabinet unit heaters provide specifying engineers and facility managers with simple heating solutions for industrial and commercial applications to meet specific heat-throw and heat-spread requirements.



PERFORMANCE

- 18-610 Mbh heating
- 018-610 sizes
- 1/2-6 tons
- 310-12,350 cfm
- Sound class I-VII

FEATURES

- > 1/2" copper coils, aluminum fins
- > 150 psig steam or 220 psig hot water
- > Intermittent or continuous fan
- > Standard 115/60/1 PSC motors

PERFORMANCE

- 20.9-144.1 Mbh heating
- 002-012 sizes
- 0.5-10.0 kW elect. heat
- 200-1,200 cfm
- 80% higher efficiencies

FEATURES

- > 100+ factory valve and piping packages
- > 2, 3 and 4-row primary coils
- > Energy-saving EC fan motors
- > ASHRAE 62.1-2010 compliant

MODELS FCH*/FCV*/FHV*/FHW*/FHH*

HORIZONTAL/VERTICAL THINLINE

ThinLine horizontal units offer space savings for single-zone applications in new or retrofit buildings, with extensive design and color choices allow them to blend into all types of building environments and decor.



PERFORMANCE

- R-6.5
- 003-012 sizes
- 9-38.2 Mbh
- 300-1,200 cfm
- NC less than 30

FEATURES

- > Smallest footprint in the industry
- > 3 or 4-row primary heating coil
- > Energy-saving EC fan motor
- > Primary or auxiliary electric heat

MODEL FSG

VERTICAL STACKED OPTILINE®

With the smallest footprint in the industry, OptiLine is the ideal retrofit or new construction solution when livable and working space is at a premium.



AIR PURIFIER

HEPA AND MERV 13 FILTRATION

Designed to improve indoor air quality (IAQ) and help reduce the risk of airborne contaminants within indoor spaces, the Air Purifier's simple design blends nicely with just about any décor scheme.



PERFORMANCE

- 99.97% contaminant free
- 250 and 750W output
- 500 and 1,000 cfm
- 5.5 and 14.75A draw
- .33 and 1HP EC motor

FEATURES

- > MERV 8, MERV 13 and HEPA filtration
- > Factory assembled and tested
- > 3-speed dial with customizable settings
- > High-efficiency EC motor

MODEL DAP

PREMIUM & ECONOMY AIR PURIFIER

Premium air purifier models feature a HEPA post filter and economy models feature a MERV 13 post filter that meets ASHRAE minimum In-Room Air Cleaning Guidance recommendations. Each unit arrives fully assembled from the factory for immediate installation.



ECONOMY

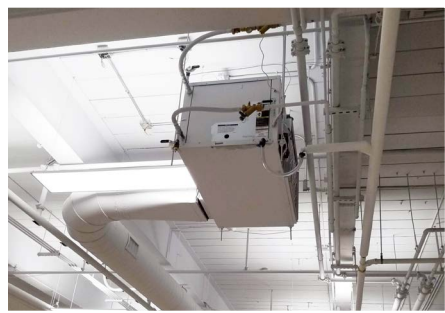


PREMIUM

WATER SOURCE HEAT PUMPS

UNMATCHED PERFORMANCE AND OCCUPANT COMFORT

Daikin water source heat pump systems (WSHPs) are some of the most efficient, environmentally-friendly systems available for heating and cooling buildings. These high-efficiency, self-contained units are available in a variety of sizes/configurations and can be placed in virtually any location within a building.



NAME/MODEL:

SMARTSOURCE®
DOAS
W60V



600-4,000 cfm

ENFINITY®
MHC/MHW
Console



1/2-1-1/2 ton

VERTICAL STACK
VHF/VHC/VHW
Vertical Stack



3/4-3 ton

ENFINITY®
CCH/CCW/VFC/VFW
Horizontal & Vertical



1/2-6 ton

SMARTSOURCE®
COMPACT
GCV/GCH/GDH
Horizontal & Vertical



1/2-6 ton

SMARTSOURCE®
GSH/GTH/GSV/GTV
Horizontal & Vertical



1/2-6 ton

ENFINITY®
CCH/CCW/LVC/LVW
Lg. Capacity, Horizontal & Vertical



6-25 ton

Tons 0 5 10 15 20 25



APPLICATIONS

- ▶ CONDOMINIUMS
- ▶ GOVERNMENT
- ▶ SCHOOLS
- ▶ DATA CENTERS
- ▶ OFFICE BUILDINGS

MODEL WGOV

DOAS SMARTSOURCE®

Dedicated outside air systems (DOAS) bring the outside in by drawing 100% outside air through the unit and into a building's HVAC system to improve indoor air quality.



**SMARTBOOST
HEATING
TECHNOLOGY™**

PERFORMANCE

- 🌡️ DAT control to $\pm 1^\circ$
- 🏠 008-024 sizes
- 🌀 600-4,000 cfm
- ❄️ 30-100% capacity control
- 🌊 5.1 IS COP

FEATURES

- > Constant or variable air volume
- > Field programmable airflow levels
- > Reheat dehumidification/ SmartBoost heating
- > Advanced DDC controls

PERFORMANCE

- ❄️ 9000-19,000 nom. cooling
- ❄️ ½-1½ tons
- 🏠 007-018 sizes
- 🌊 Up to 4.97 COP
- 🌊 Up to 31.3 EER

FEATURES

- > Standard or geothermal flexibility
- > Quiet GentleFlo® fan operation
- > LonWorks® or BACnet® communication
- > Flat top or slope top configuration

MODELS MHC/MHW

CONSOLE ENFINITY®

Enfinity combines slope top or flat top cabinet design, high-sill or low-sill configuration, and a variety of color selections and options that allow greater flexibility to design, install, operate, and maintain an optimum WSHP system for any new or replacement project.



MODELS VHF/VHC/VHW

VERTICAL STACK

Vertical stack units are readily available in full-cabinet design for use in new installations, or as a stand-alone chassis design for quick changeouts needed in replacement applications.



PERFORMANCE

- R-6.5
- 009-036 sizes
- ¾-3 tons
- 300-1,200 cfm
- 16.8 EER

FEATURES

- > Hydronic heat and geothermal options
- > Efficient and quiet EC fan motors
- > MERV 8 or 13 filtration
- > Motorized outdoor air damper

MODELS CCH/CCW/VFC/VFW

HORIZONTAL & VERTICAL ENFINITY®

Designed for high efficiency, individually-zoned comfort control, small-footprint Enfinity units free up valuable space and incorporate a bevy of cost-saving, low maintenance features in flexible cabinet configurations.



PERFORMANCE

- 30°-110°F entering water
- 007-070 sizes
- ½-6 tons
- 250-2,600 cfm
- Up to 19.6 EER

FEATURES

- > Standard or geothermal configurations
- > Highly optioned to match applications
- > Superior IAQ and quiet operation
- > LonWorks® or BACnet® communication

MODELS GCV/GCH/GDH

COMPACT SMARTSOURCE®

Compact vertical and horizontal configurations give system designers and contractors unmatched design capability when faced with tight space restrictions.



PERFORMANCE

- 6,200-71,000 Btu cooling
- 007-070 sizes
- ½-6 tons
- 250-2,160 cfm
- Up to 19.0 EER

FEATURES

- > Small-scale, serviceable design
- > EC fan motors with adjustable air flow
- > Energy-saving waterside economizer
- > MERV-8 and MERV-13 filtration

PERFORMANCE

- 8,000-73,400 Btu cooling
- 007-072 sizes
- ½-6 tons
- 250-2,160 cfm
- Up to 28.9 EER

FEATURES

- > Single or dual-stage operation
- > Quiet operation, low energy consumption
- > Smart Dehumidification, precise humidity control
- > Fiber-free indoor air quality

MODELS GSH/GTH/GSV/GTV

HORIZONTAL & VERTICAL SMARTSOURCE®

SmartSource horizontal and vertical units combine industry-leading efficiencies with low-noise operation, high indoor air quality and consistent air temperatures for unmatched WSHP performance.



PERFORMANCE

- R-6.5
- 6-25 tons
- 072 to 290 sizes
- 1,800-11,500 cfm
- Up to 17.1 EER

FEATURES

- > Standard or geothermal configurations
- > Highly optioned to match applications
- > Superior IAQ and quiet operation
- > LonWorks® or BACnet® communication

MODELS CCH/LVC

LARGE CAPACITY ENFINITY®

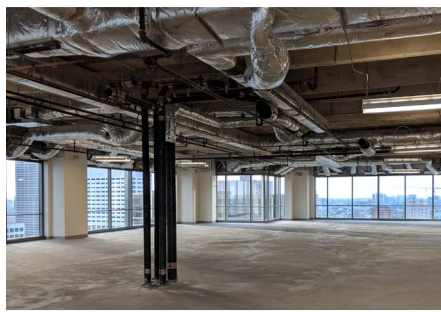
Large capacity units are easily adaptable to fit in small equipment rooms or floor-by-floor installations. They can be applied to all building types where it is advantageous to extend the water source heat pump concept to larger or core areas.



VARIABLE AIR VOLUME (VAV)

SETTING THE STANDARD FOR QUALITY AND PERFORMANCE

Daikin's single-duct VAV boxes provide high performance and set the standard in the industry for construction, performance, and quality. Daikin fan-powered terminal units, available as parallel and series, provide operating cost savings through reduced central fan horsepower and through waste heat recovery.



PERFORMANCE

- Hot water/elect. heat
- 10 unit sizes
- 80-8,000 cfm
- Up to 3" w.g. static press.
- AHRI certified

FEATURES

- Reliable and efficient scroll compressors
- LonTalk® or BACnet® communications
- Economizer with low-leak dampers
- Easy access to components

MODELS MQTH15/MQFC16/MQFV15

SINGLE-DUCT & FAN TERMINAL UNITS

Single-duct terminal units regulate conditioned air flow into an occupied zone in response to a control signal, while fan-powered terminal units are typically used for heating and cooling perimeter zones.



UNIT VENTILATORS

REDUCING COST WHILE MATCHING COMFORT

Unit ventilators minimize energy usage by utilizing a two-stage compressor and multi-speed fan to better match changing room loads. They leverage "free" cooling opportunities to reduce operating costs. During unoccupied periods and at night, units operate sparingly to conserve energy.



APPLICATIONS

- ▶ SCHOOLS
- ▶ OFFICE BUILDINGS
- ▶ HEALTHCARE
- ▶ RETAIL
- ▶ HOSPITALITY

NAME/MODEL:

HEAT PUMP

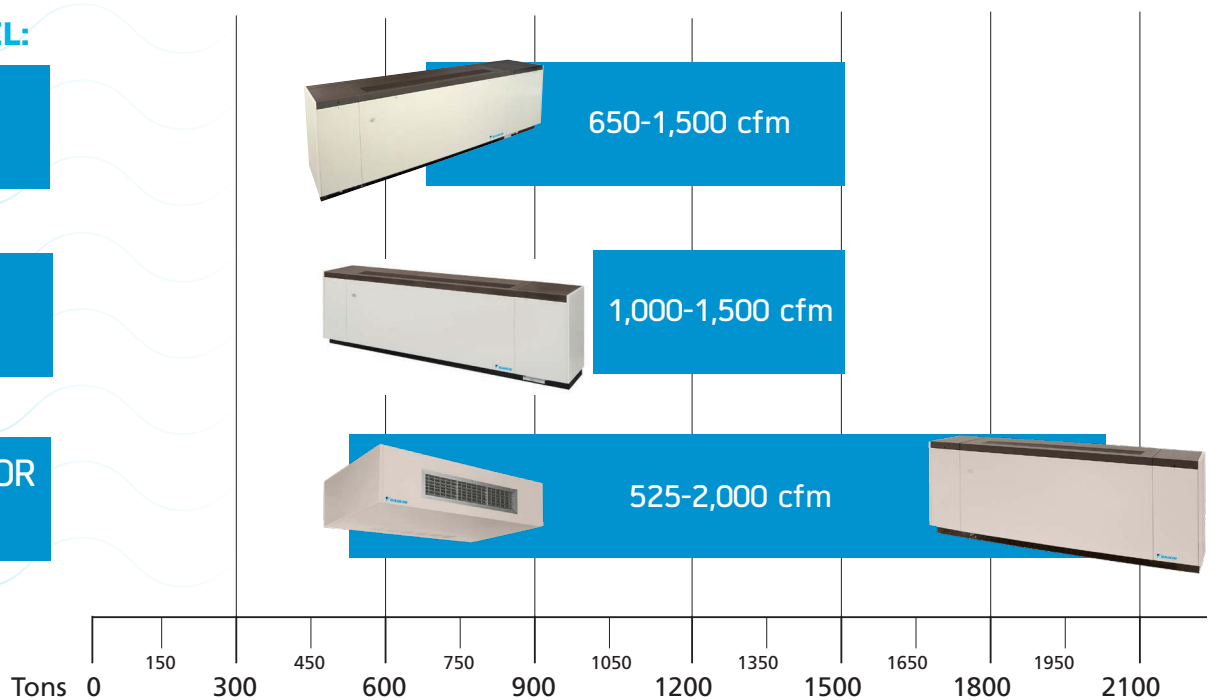
AEQ, ARQ, GRQ
Air & Water

CLASSROOM

AZQ, AZR, AZU
Vertical

CEILING/FLOOR

AHF, AHB, AHV, AHR,
AVS, AVB, AVV, AVR
Horizontal & Vertical



MODELS AEQ/ARQ/GRQ

AIR & WATER HEAT PUMP

Heat pump unit ventilators utilize the natural properties of the earth to provide heating and cooling to a building. Heat addition and rejection occurs below the ground, inside hundreds of feet of ground loop where fluid is circulated through the loop and then back to the ventilator unit.



PERFORMANCE

- 16,500-51,200 Btuh
- 024-048 sizes
- 650-1,500 cfm
- Draw-through coils
- Up to 20.9 EER

FEATURES

- > Dampers for superior temp./humidity control
- > GentleFlo® air moving for quiet operation
- > Easy integration of unit controllers by others
- > Free cooling economizer operation

PERFORMANCE

- 21,000-52,300 Btuh
- 024-054 sizes
- 1,000-1,500 cfm
- Draw-through coils
- Up to 12.7 EER

FEATURES

- > Dampers for superior temp./humidity control
- > GentleFlo® air moving for quiet operation
- > Easy integration of unit controllers by others
- > Heat transfer coil provides extra capacity

MODELS AZQ/AZR/AZU

VERTICAL CLASSROOM

Classroom unit ventilators feature precise temperature and dehumidification control to help keep students and teachers comfortable while making maximum use of free outdoor-air cooling to reduce operating costs.



PERFORMANCE

- 15,700-57,600 Btuh
- 007-015 sizes
- 525-2,000 cfm
- Draw-through coils
- 2-5 cooling rows

FEATURES

- Bypass damper for temp./humidity control
- VRV integrated option
- Easy integration of unit controllers by others
- Free cooling with economizer

MODELS AH*/AV*

HORIZONTAL/VERTICAL CEILING/FLOOR

Ceiling and floor units are perfect for new construction and for retrofit applications. Older buildings with baseboard radiant heat or other hydronic heating systems can be easily adapted to work efficiently with these units.



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