



PRECISELINE[®] Air Handlers

Precisely Conditioned Affordable Air

Model BCV/BCA
600 to 5,000

Model BCH
600 to 10,000



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MORE AIR, LESS COST

PRECISELINE AIR HANDLERS

No two buildings are created equal. Loads, fresh air, delivery requirements, and other design obstacles are clever problems that call for clever solutions. For a definitive solution to your space's air handling needs, use Daikin **PRECISELINE AIR HANDLERS**, available in both vertical and horizontal configurations, to condition air at precise levels up to 10,000 cfm.

PRECISELINE'S compact footprint gives system designers and contractors unmatched design capability when faced with tight space restrictions. It differentiates itself by utilizing innovative, low-leakage and high-quality cabinet construction to efficiently deliver fresh, conditioned air to dedicated spaces within a building – all at a very attractive price point.

GAIN THE PRECISELINE ADVANTAGE

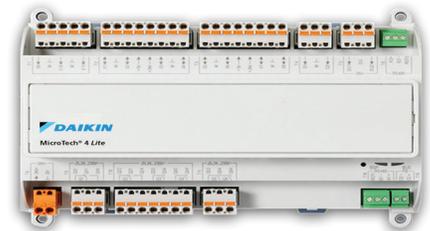


THERMALLY INSULATED PANELS

All units utilize a galvanized double-wall, 1" foam injected, thermally insulated panel to raise the cabinet's thermal resistance to R-6.5. This thermal resistance is more effective at keeping air cold when in cooling mode and hot when in heating mode. It also provides a cleanable surface and increases panel rigidity for longer unit life.

FACTORY-INTEGRATED CONTROLS

Intuitive, factory-integrated controls provide for standalone operation or BAS integration, effectively reducing installation time, costs and complexity, while also ensuring the most efficient and reliable operation from your air handler.



FACTORY-INSTALLED VALVE PACKAGES

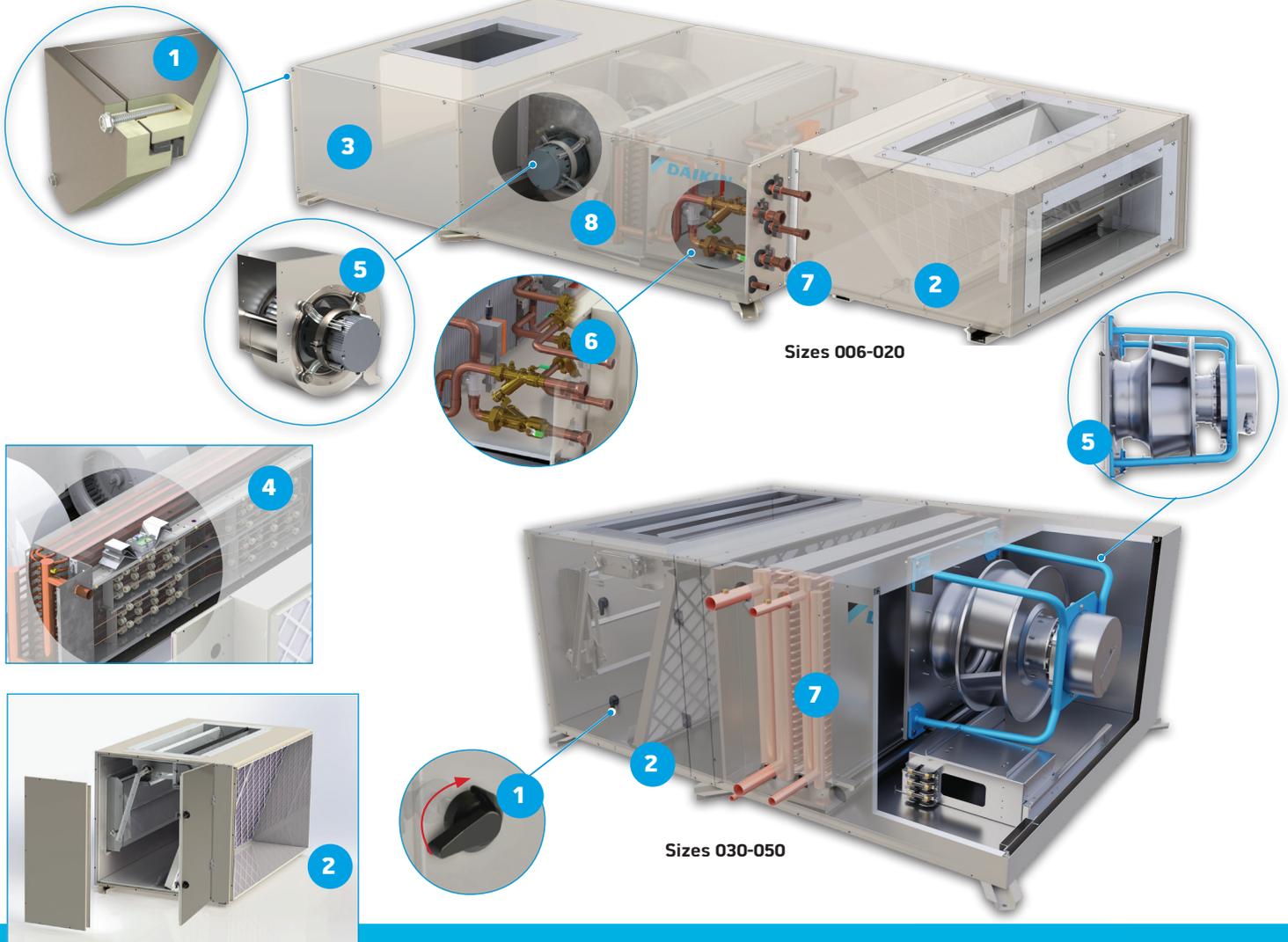
Available for both two-pipe and four-pipe systems (006-020), all packages are leak tested and assembled inside the cabinet. Water connections terminate outside the cabinet for quick field hookup and all valve piping is easily accessible through a single panel for easy service.

INDOOR AIR QUALITY SOLUTIONS

- 2" and 4" MERV 8 or MERV 13 options for superior particulate filtration
- Thermally insulated cabinetry reduces fibers/pathogens entering the system
- Double-sloped stainless steel drain pan deters microbial growth



PRECISELINE FEATURES & BENEFITS



1 CABINET

- Double-wall, foam injected
- R-6.5 thermally resistive
- 1/4-turn latches

2 MIXING BOX (OPTION)

- Factory-installed 0-10VDC or 24VAC actuators
- Exhaust fans and economizer section available

3 DISCHARGE PLENUM (OPTION)

- Smoothly changes air flow to any direction
- Sound attenuation package for less noise
- Final filters up to MERV 13

4 ELECTRIC HEAT

- 1/2kW to 39kW
- Single point power with factory safeties
- Single stage or SCR control

5 FULLY MODULATING FAN MOTORS

- Internal thermal protection
- Plenum fans with EC motors (030-050)
- Forward curved EC motors (006-020)
- Forward curved NEMA premium ODP motors with VFD (030-050)

6 MULTIPLE VALVE PACKAGES

- Internal to cabinet to reduce insulation requirement, 2-way/3-way
- 0-10VDC modulating control for variable volume pumping applications
- 24VAC open/close control with fan coil style thermostats

7 MULTIPLE COIL OPTIONS

- VRV primary with hot gas reheat
- 2, 4, 6, or 8 row primary
- 1, 2 row reheat or preheat secondary
- Stainless steel casings

8 STAINLESS STEEL DRAIN PAN

- Double sloped prevents standing water
- ASHRAE 62.1 compliant

OFFICE BUILDINGS

Maximize building efficiency and occupant comfort levels by leveraging energy saving fans, air filtration options, and a thermally resistant cabinet design.

VARIABLE SPEED DIRECT DRIVE FANS increase building energy savings at light-load conditions while eliminating service and maintenance of belts and setscrews associated with belt drive motors.

HIGH FILTRATION selections to capture greater amounts of microscopic particulate for more hygienic working conditions and healthier occupants.

ROBUST CONSTRUCTION featuring durable, thermally insulated, double-wall panel construction that keeps air at precise, comfortable temperature levels.



EDUCATION

Deliver superior indoor learning environments by ensuring the precise amount of clean and conditioned air is delivered to each classroom.

INDOOR AIR QUALITY improves drastically with microbial-resistant stainless steel drain pans and high-filtration MERV filter selections for cleaner air.

QUIET OPERATION with variable speed fans that provide the precise amount of cooling required and an optional low sound discharge plenum to minimize classroom distractions.

LOCAL CONTROL allows for individual spaces to have a dedicated unit to meet specific space conditioning needs, at a price point that is hard to beat.

HIGH VENTILATION conditioning with up to 8-rows of coils provide superior cooling comfort levels, even during the warmest, most humid days.

COMPLETE SYSTEM SOLUTIONS

Combine PreciseLine air handlers with Daikin SiteLine™ Building Controls, BACnet® thermostats, and our award-winning Pathfinder® air-cooled chiller to fully tailor your system for superior building performance and indoor air quality.

SITELINE™ BUILDING CONTROLS offers a scalable, cloud-based building automation systems (BAS) instantly and easily optimize the performance of any HVAC ecosystem—including other makes and existing building systems.

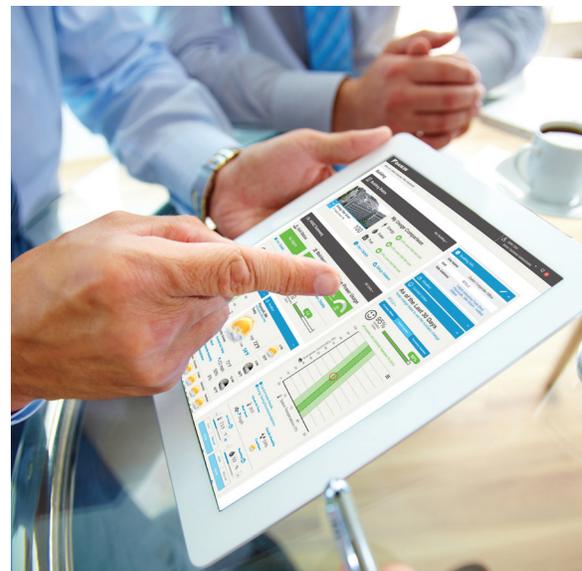
BACNET THERMOSTATS provide fast, remote thermostat connectivity to your air handlers using SiteLine™ Building Controls.

PATHFINDER® AIR-COOLED CHILLER, the industry's first fully configurable air-cooled screw chiller, pairs easily with PreciseLine for expanded performance solutions.

**PATHFINDER
AIR-COOLED
CHILLER**



**BACNET
THERMOSTAT**



SITELINE™ BUILDING CONTROLS



FOR MORE INFORMATION ABOUT OUR COMPLETE OFFERING OF HVAC SYSTEMS AND SOLUTIONS, VISIT **DAIKINAPPLIED.COM** TO FIND AN OFFICE NEAR YOU.