PRECISELINE® Large Cabinet Air Handlers

Precisely Conditioned Affordable Air

Model BCH
3,000 to 10,000

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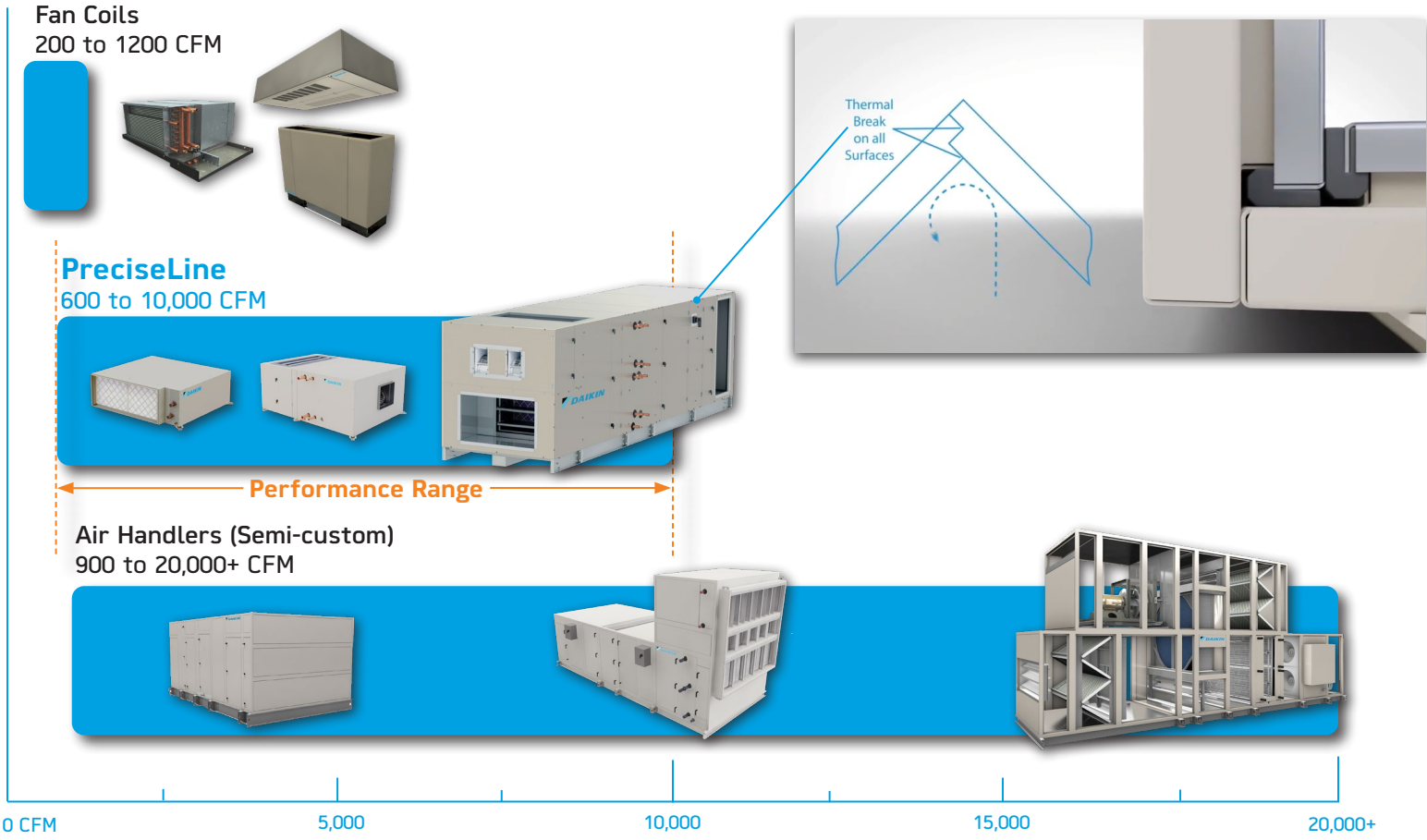
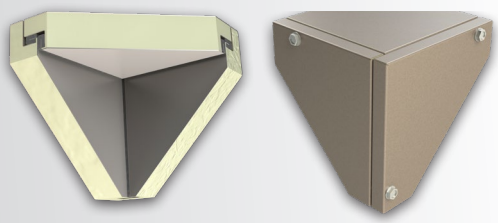
MORE AIR, LESS COST
PRECISELINE AIR HANDLERS

No two buildings are created equal. Loads, fresh air, delivery requirements, and other design obstacles are challenging problems that call for clever solutions. The **new horizontal PRECISELINE large cabinet** air handler fills the gap between high cfm, high static pressure fan coils and small semi-custom air handlers, with a cost-effective system utilizing innovative cabinet design, integrated factory controls, and advanced components that save both time and money.

System designers and contractors tasked with efficiently and cost-effectively delivering fresh, conditioned air up to 10,000 cfm to dedicated spaces, will appreciate PreciseLine's unmatched design capability for a variety of applications. If you're a facility manager or building owner, you'll reap the benefits of PreciseLine's low operating costs and attractive price point.

FILLING THE GAP BETWEEN FAN COILS & AIR HANDLERS

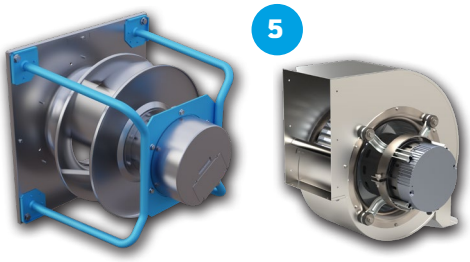




THERMALLY INSULATED PANELS

All PreciseLine units utilize a galvanized double-wall, 1" foam injected, thermally isolated 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.

PRECISELINE DESIGN FLEXIBILITY

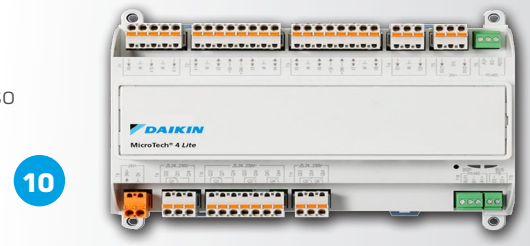


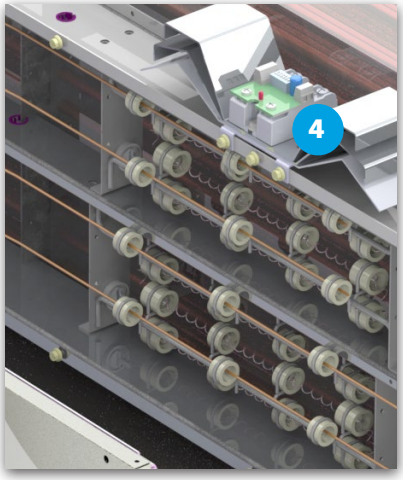
ALUMINUM, DIRECT-DRIVE ECM FANS

The PreciseLine large cabinet design features electronically commutated, all-aluminum airfoil supply fans for precision air flow and higher cfms, and economical, forward-curved exhaust fans for extended and reliable operation.

FACTORY-INTEGRATED CONTROLS

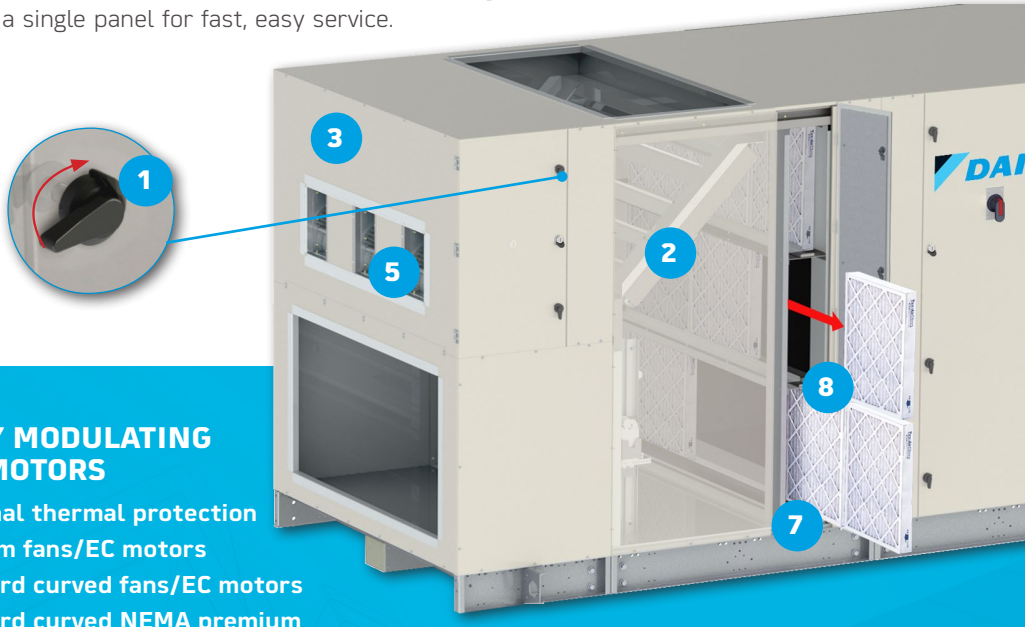
Intuitive, factory-integrated controls provide for standalone operation or BAS integration, effectively reducing installation time, costs and complexity, while also ensuring the most efficient and reliable operation from your air handler.





ELECTRIC HEAT

Available for both two-pipe and four-pipe systems, all packages are leak tested and factory 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 fast, easy service.



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

3 DISCHARGE PLENUM (OPTION)
- Smoothly changes air flow to any direction
- Sound attenuation for noise sensitive applications

4 ELECTRIC HEAT
- 19 to 133kW
- Single point power with factory safeties
- Single stage or SCR control

5 FULLY MODULATING FAN MOTORS
- Internal thermal protection
- Plenum fans/EC motors
- Forward curved fans/EC motors
- Forward curved NEMA premium ODP motors with VFD

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 STAINLESS STEEL DRAIN PAN
- Double sloped prevents standing water
- ASHRAE 62.1 compliant

8 SLIDE-OUT FILTER RACKS
- Mixing box and final filter sections
- 2" and 4" MERV 8 or 13 options

9 MULTIPLE COIL OPTIONS
- 2, 4, 6, or 8 row primary
- 1, 2 row reheat or preheat secondary
- Stainless steel casings

10 CONTROLS
- Factory integrated
- Stand-alone or BAS

SOLUTIONS TO SUIT ANY SPACE OR APPLICATION

EDUCATION

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

A COMPACT FOOTPRINT gives system designers and contractors unmatched design capabilities when faced with tight space restrictions by utilizing a series of smaller units to efficiently deliver fresh, conditioned air to dedicated building spaces.

IMPROVE AIR QUALITY, COMFORT AND ENERGY SAVINGS as a result of thermally broken foam panels, electronically commutated fan and high-performance filters.

REDUCE INSTALL TIME AND COST SAVINGS with factory-installed valve packages and connection points that are pre-determined, allowing the building supply and return piping to be installed before the arrival of the air handler.

GOVERNMENT & 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 capture greater amounts of microscopic particulate for more hygienic working conditions and healthier occupants.

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

HEALTHCARE

Healthcare studies prove there's a direct correlation between clinical outcomes and the strategic management of environmental factors like temperature, humidity, and air quality.

INDOOR AIR QUALITY improves drastically with microbial-resistant stainless steel drain pans and high-filtration MERV filter selections for cleaner air by capturing greater amounts of microscopic particulate for more hygienic working conditions and healthier occupants. .

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

QUIET OPERATION with variable speed fans provide the precise amount of cooling required with an optional low-sound discharge plenum.

DAIKIN

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