



Vision™ semi-custom indoor air handlers



900-100,000 cfm

People and ideas you can trust.™

Flexible design solutions for a variety of applications



Vision semi-custom indoor air handlers provide education, government, healthcare, and office buildings with a proven, high quality, sustainable design for increasing occupant health and comfort. Vision offers a vast selection of options and extremely flexible configurations that allow consulting engineers to build the ideal air handler to meet project demands for exact footprint, efficiency, indoor air quality, quiet operation, and low cost installation and maintenance.

For high static, low leakage applications, Vision incorporates high pressure panels, doors, handles, and seals that provide ASHRAE 111 Class 6 leakage (0.27 cfm per sq. foot at +/-8" cabinet pressure), which is well under the industry quality standard of 1%

Improving indoor air quality

Optional anti-microbial liners effectively inhibits the growth of common micro-organisms that cause odors and degradation of applied coatings.



Double-sloped, stainless steel drain pans provide superior indoor air quality by eliminating standing water.



Variable dimensioning and modular platform to meet space requirements

For demanding applications that require an optimized footprint, our patented 2" Variable Dimensioning™ feature provides tremendous component width/height sizing flexibility and allows you to configure the optimal air handling system for your job's environment and objective.

Vision's custom modular design allows sections to easily

pass through narrow halls and doorways to a mechanical room where they are then quickly joined together using our patented splice collar design. This lowers installation costs by avoiding in-space construction and is ideal for retrofit applications.



- A** 26" - 122" (2" increments)
- B** 36" - 142" (2" increments - std.)
- C** 144" - 228" (4" increments - ext.)

Focused on a sustainable future

Daikin Applied is committed to sustainable practices as part of our corporate culture. We believe it is the right thing to do for our customers, our community, the environment and ourselves. As a global leader in HVAC technology, Daikin Applied has a unique opportunity to make a difference in sustainable initiatives and to continue to lead the industry in environmental solutions.



Economical extended sizing

In addition to offering highly competitive small and medium cabinet sizes, Daikin also offers extended size Vision indoor air handlers in capacities up to 129,000 cfm (806 fpm) with coil face areas up to 160 square feet. Extended size Vision units are an economical alternative to installing multiple air handlers or a custom system for high-cfm applications. Not only are these the largest indoor air handling units available in a standard platform, but they are also some of the largest units available that are AHRI certified. Best of all, they offer the same features, benefits, options and accessories that have made Vision such a popular and successful air handler platform.

Customized options



Sound attenuators



Gasketed frame channels/R-13 foam



Extended coil connections



Fans/VFDs/disconnects



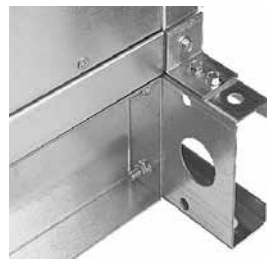
Multiple filter types



Lights and receptacles



Static air mixers and blenders



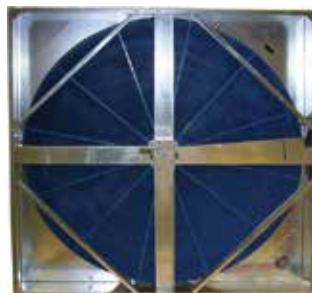
Variable height base rails



Patented splice collars

Energy recovery wheel option

Daikin Applied energy recovery wheels offer a cost-effective and efficient method of recovering exhaust energy and reducing energy cost while meeting the ventilation requirements of ASHRAE Standard 62.1-2013.



- Stacked or side-by-side arrangements
- Recovers 70-75% of sensible and latent energy
- Reduces winter humidification energy costs up to 66%
- Decreases air conditioning size needed by up to 25%
- Factory installed
- 3 desiccant wheel options - silica gel, 3 angstrom, 4 angstrom



Fan configurations

In addition to Vision's wide offering of DWDI, AF and FC fans, or single and dual plenum fans, Daikin offers 30+ fan array configurations ranging from 12" to 33" diameter wheels, that provide optimum performance up to 100,000 cfm.

Fan arrays provide ultra-reliable fan operation for mission critical applications that require uninterrupted air flow, little or no service, and at a great overall value.



Fan array options

1 Isolation dampers

- Individual dampers prevent air recirculation
- Motorized dampers available for critical installations

2 Multiple fan combinations

- 12" to 33" diameter wheels
- 1-4 fans high and up to 6 fans wide
- Optimum performance from 2500 to 100,000 cfm
- N+1 air flow dependability

3 Electrical panel

- Disconnect or terminal block
- Multiple fan/VFD arrangements
- Motor overload protection for each fan
- Terminal strip for field control connections

4 Daikin VFDs

- Specially designed for HVAC applications
- Require less capacitance
- Generate less harmonics
- Proven reliability

5 Attenuating walls

- Surround each individual fan
- Reduce ducted noise up to 8dB

Total energy plate option

Vision air handlers built with our total energy plate option reduce operating costs by recovering and transferring both sensible and latent heat into cross-flow air streams, without contamination. Like our energy recovery wheel option, total energy plate media is also resistant to mold and bacteria, but differs in that there are no moving parts, making them an excellent alternative to owners wanting to reduce maintenance costs and procedures. The energy plate option is freeze tolerant, AHRI performance certified, and is a simple and efficient means of enhancing indoor air quality with minimum investment.



Customized solutions

Seismic-certified solutions

We do our job on seismic certification so you can do your job...faster and with fewer hassles

Selecting certified or pre-approved equipment helps simplify the seismic code compliance for your building, whether it is a new construction or a modernization project. When your HVAC system is pre-certified or pre-approved for installation, you have multiple advantages:

- Lower costs to achieve seismic certification
- Faster approvals
- Faster building occupancy
- Increased protection for your building investment
- Analyzed, tested and certified by an independent agency, experts in seismic analysis and design, as specified by code.
- Certificate of compliance available at time of specification and submittal
- Shipped with a label of compliance, provided by the certifying agent for review by the inspecting authority.
- Product installation instructions clearly describe how to install the system in a manner supporting code compliance requirements



Vision air handler OSHPD pre-approval seismic testing on the University of California, Berkeley Pacific Earthquake Engineering Research (PEER) shake table.



IBC and OSHPD compliant

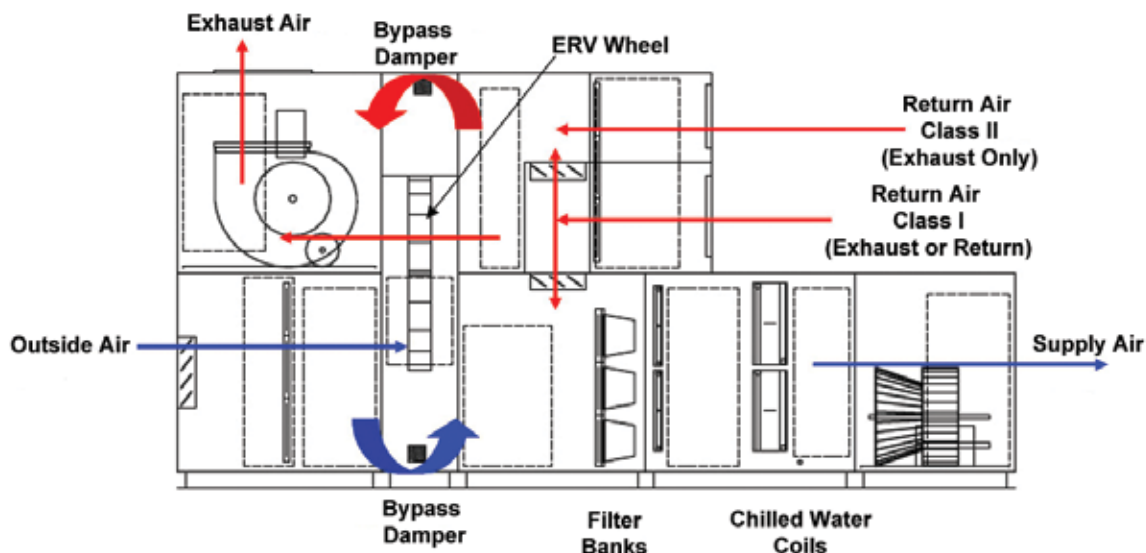
Heating, ventilating, and air conditioning (HVAC) systems are essential building components that need to stay on line immediately after a seismic event, or earthquake. This requirement is especially critical for essential services buildings:

- Healthcare facilities
- Emergency shelters, such as schools or community centers
- Police stations
- Data centers
- Fire stations

To keep these essential services operating after an earthquake, building codes require that owners and consulting engineers obtain seismic certification of HVAC equipment. Vision has been rigorously tested for compliance to both the International Building Code (IBC) seismic standards and to the California Office of Statewide Health Planning and Development (OSHPD) seismic standards.



Daikin SelectTools software design solutions...



Dual path exhaust energy recovery
configuration example



...with configuration possibilities that are unlimited

- Horizontal with economizer
- Stacked
- Side-by-side energy recovery
- Dual wheel energy recovery
- Plate heat recovery
- Heat recovery wheel
- Fixed plate
- Multizone
- Dual path exhaust energy recovery
- Redundant fans
- Short economizer with exhaust air dampers
- Side return air
- Dual duct with final filters
- Dual direct drive fans
- Dual wheel with UV, 3 fan, 2 exhaust air paths
- Side-by-side with mismatched air paths
- Humidifier and evaporative cooling
- Stacked energy recovery with mismatched cabinet heights
- Dual path with energy recovery
- Triple stacked
- Split outside air dampers
- Bypass damper on cooling coil
- Sidecar energy recovery
- And more!

Make it a complete system for optimum performance

1

Choose a Daikin Applied air handler



Skyline™ semi-custom outdoor air handler

900 to 65,000 cfm



Vision™ semi-custom indoor air handler

900 to 100,000 cfm



RoofPak™ semi-custom rooftop air handler

4000 to 50,000 cfm



Destiny™ commercial indoor air handler

600 to 15,000 cfm



Custom air handler

900 - 129,000 cfm

2

Choose a Daikin Applied chiller



Scroll chiller

25 to 190 ton



Pathfinder® chiller

170 to 550 ton



Magnitude® chiller

100 to 1500 ton

For more information about Daikin commercial, semi-custom, and custom air handlers, contact your local Daikin Applied sales office or visit www.DaikinApplied.com to find an office near you.