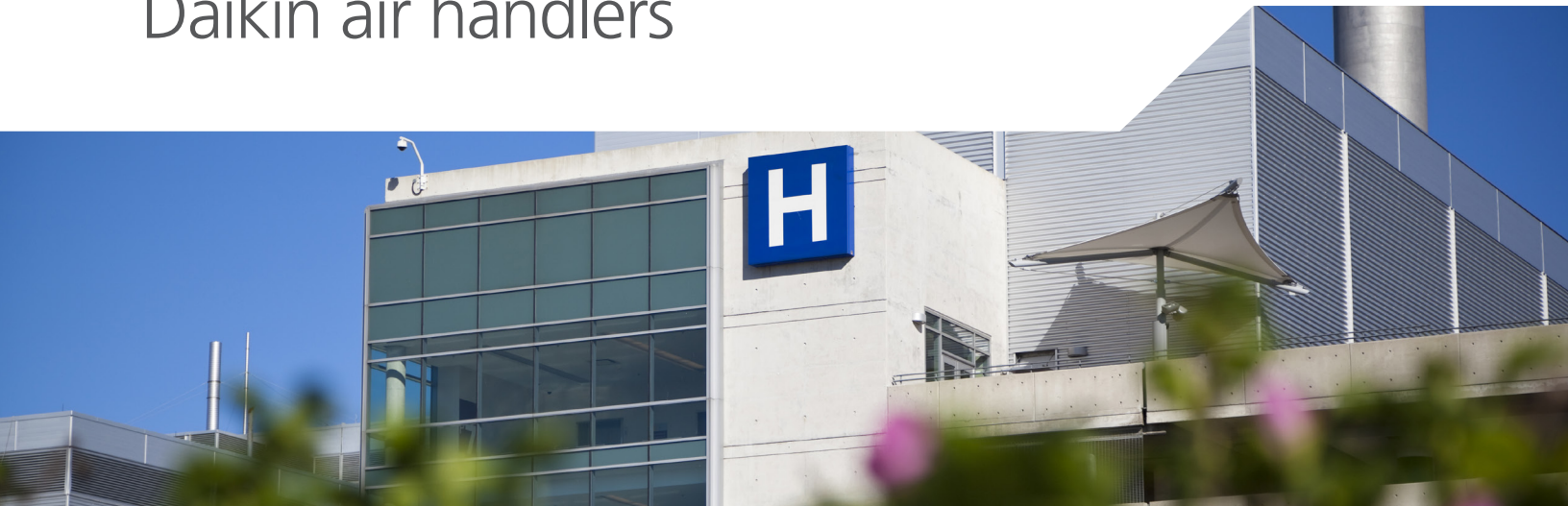
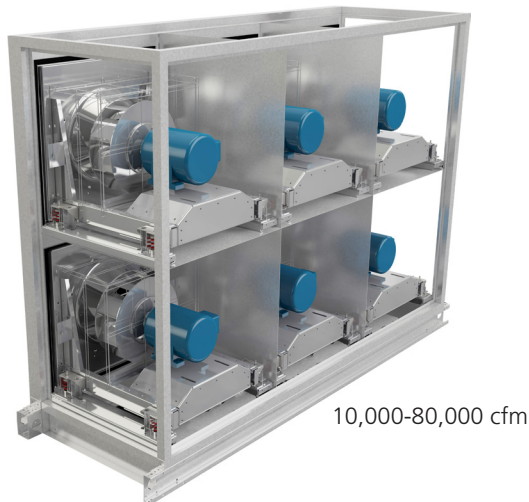




Direct-drive fan array for Daikin air handlers



Optimized air handler solutions for healthcare,
cleanroom, and lab building applications



10,000-80,000 cfm



Fan array benefits

Multiple fans provide back-up for critical applications

Less maintenance with direct drive motors - eliminate belts and lubrication on shaft bearings

Fan array reduces overall unit length for more revenue generating space

Quieter operation with sound attenuation

Easier service with smaller and lighter fans/motors

Daikin Applied fan array offerings help specifying engineers design for any new/existing and space-challenged building like hospitals, cleanrooms and labs where occupancy space and comfort is a premium. By incorporating our extremely flexible fan array design into a Daikin Applied air handler, we are able to provide building owners with ultra-reliable fan operation for mission critical applications that require uninterrupted air flow, little or no service, and at a better value than "custom" design offerings.

Daikin Applied fan array minimizes footprint design while meeting expectations for $n-1$ air flow dependability, quiet operation, and reduced service/maintenance costs. The redundancy of additional fan motors ensures reliability of the air handler by making up for air flow loss in the event of fan motor down-time within the array. Buildings applications around the world have capitalized on the modular and variable dimensioning features of Daikin Applied air handlers to create solutions without the need for a full "custom" air handler design.

Fan array options for increased design flexibility



1 Isolation dampers

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

3 Electrical panels

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

2 Multiple fan combinations

- 12-33" diameter plenum fans
- 1-4 fans high and up to 6 fans wide
- Optimum performance from 10,000 to 80,000 cfm

4 Daikin brand 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

For more information about fan array and our complete line of commercial and custom air handlers, contact your local Daikin Applied sales office or visit www.DaikinApplied.com to find an office near you.