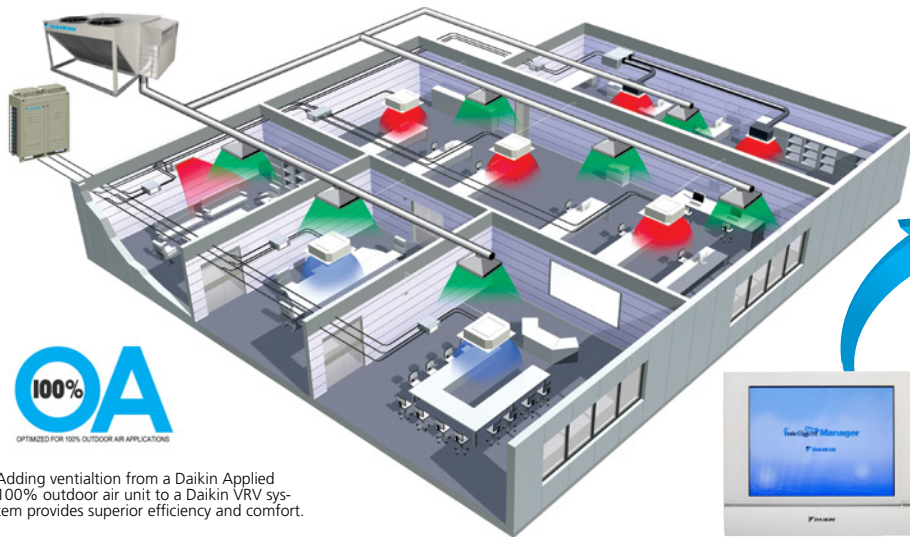




100% DOAS systems to integrate with VRV



Solutions for challenging applications



Adding ventilation from a Daikin Applied 100% outdoor air unit to a Daikin VRV system provides superior efficiency and comfort.



VRV system benefits

Seamless integration of outdoor air unit

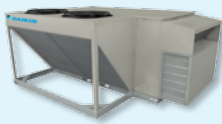
Easy installation and provides more control than simple hard-wired interlock

intelligent Touch Manager (iTM) controls w/real-time and adjustable system information:

- Occupancy schedule
- Discharge air temperature setpoint.
- Current air temperature
- Filter status
- Alarms

One of the most challenging applications of an HVAC system is to provide 100% dedicated outdoor air to a space to meet ASHRAE 62.1 building design recommendations. It requires a system that is capable of conditioning outdoor air entering the system at up to 95°F and high relative humidity and delivering it to an occupied space at 70°F and 50% relative humidity—on a continuous basis. Daikin Applied 100% dedicated outdoor air system (DOAS) rooftop units are optimized to meet this challenge, efficiently and effectively.

Daikin Applied 100% dedicated outdoor air rooftop systems



Rebel® Commercial Packaged Rooftop

For low-rise building applications such as schools, offices, or retail

- 100% dedicated outdoor air, VAV, or Single-zone VAV operation
- Superior efficiencies up to 20.6 IEER
- Exceeds ASHRAE 90.1-2016 efficiency standard by up to 43%
- 2-year system payback
- Variable speed heat pump with hybrid (gas, electric, hot water) heat options
- Variable speed ECM motors on all fans
- Variable speed inverter scroll compressor
- Electronic expansion valves
- Modulating hot gas reheat option
- Ultra-quiet condenser fans



Maverick® II Commercial Packaged Rooftop

Ideal for standard commercial HVAC applications

- VAV, or 100% dedicated outdoor air operation
- Variable speed inverter scroll compressor
- Non-ozone depleting R-410A refrigerant
- Energy recovery wheel option
- Double-wall construction
- Low leak dampers
- Efficient airfoil fans
- Stainless steel drain pan
- Exhaust fan building pressure control option
- Controls flexibility, easy BAS integration
- Modulating hot gas reheat
- Hinged access doors
- Microchannel coils
- Scroll compressors



RoofPak® Applied Packaged Rooftop

Ideal for standard commercial HVAC applications

- VAV, or 100% dedicated outdoor air operation
- Variable speed inverter scroll compressor
- Double-wall construction
- Non-ozone depleting R-410A refrigerant
- Quiet condensing unit option
- SuperMod furnace with 20:1 turndown
- High efficiency evaporative condensers and CEE Tier I/II EERs
- Modulating hot gas reheat option
- Microchannel coils
- Blow-through/draw-through cooling coils and filters
- Factory mounted VFDs
- Economizer
- Controls flexibility, easy BAS integration
- Hinged access doors

Combining dedicated outdoor air equipment with a variable refrigerant volume system

The Daikin variable refrigerant volume (VRV) system is the high-performance standard for efficient operation and absolute comfort. To better manage the ventilation air requirements for your building, our full range of rooftop systems integrate seamlessly with a Daikin variable refrigerant volume (VRV) system to provide buildings and occupants with exceptional, conditioned outdoor air ventilation. Select and integrate from our selection of Daikin Applied rooftop solutions to optimize your VRV system.

For more information about VRV applications and our complete line of 100% DOAS solutions, contact your local Daikin Applied sales office or visit www.DaikinApplied.com to find an office near you.

