







		Individual Zone Controllers			Multi-Zone Controllers		Time Clock Controllers
		7-Day Programmable Wired R/C BRC1D71	Simplified Wired R/C BRC2A71	Wireless R/C BRC7C812 BRC7E83 BRC4C82 BRC7E818	Unified On/Off R/C DSC301C71	Centralized R/C DSC302C71	Schedule DST301B61
Model							
No. of Units Controllable		← 1 Group/16 Units →			16 Groups	64 Groups	128 Groups
Operation	Start/Stop	✓	✓	✓	✓	✓	✓
	Operate Mode	✓	✓	✓		✓	
	Temperature Setting	✓	✓	✓		✓	
	Set-Point Range	60°-90°F	60°-90°F	60°-90°F		60°-90°F	
	Permit/Prohibit Selection	✓			✓	✓	✓
	Fan Speed	✓	✓	✓		✓	
	Airflow Direction	✓	✓	✓		✓	
Monitoring	Status	✓	✓	✓	✓	✓	✓
	Malfunction Flashing	✓	✓	✓	✓	✓	
	Malfunction Content	✓	✓	✓		✓	
	Filter Sign	✓				✓	
	Operation Mode	✓	✓	✓		✓	
	Temperature Setting	✓	✓	✓		✓	
	Permit/Prohibit Selection	✓	✓		✓		
	Fan Speed	✓	✓	✓		✓	
	Airflow Direction	✓	✓	✓		✓	
Scheduling	Weekly						✓
	Timed Starts/Stops Per Day						2
	No. of Weekly Schedules					8	
	Auto ON/OFF Timer	✓		✓			
Data	Error History					✓	
Control Management	Field Setting Mode	✓	✓	✓		✓	
	Group Setting	✓	✓	✓	✓	✓	✓
	7-Day Time Clock	✓	✓	✓		✓	✓
	5-Temperature Setpoints Per Day	✓	✓	✓		✓	✓
	Minimum Night Setting	✓	✓	✓		✓	✓
	Maximum Day Setting	✓	✓	✓		✓	✓
	Night Set-Back Function	✓	✓	✓		✓	✓
	Home Leave Function	✓	✓	✓		✓	✓
	Auto Restart	✓	✓			✓	✓

LonWORKS® NETWORKS COMPATIBLE GATEWAY

- Interface for connection to LonWORKS® networks
- Communication via LON® protocol (twisted pair wire)
- 64 units connectable per DMS-IF
- Unlimited site size
- Quick, easy installation



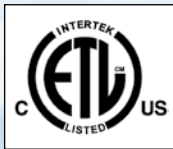
INTEGRATED CONTROL SYSTEM CONNECTING VRV SYSTEM WITH BMS SYSTEM

- Interface for BMS system
- Communication via BACnet® protocol (connection via ethernet)
- 256 units connectable per BACnet® gateway
- Unlimited site size
- Quick, easy installation



touch intelligent Controller

- 64 groups (128 indoor units) connectable
- Management of AC units, facilities, and ancillary equipment
- Touch screen display
- Built-in Ethernet port, Web enabled (optional)



Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications and information in this brochure without notice and without incurring any obligations.



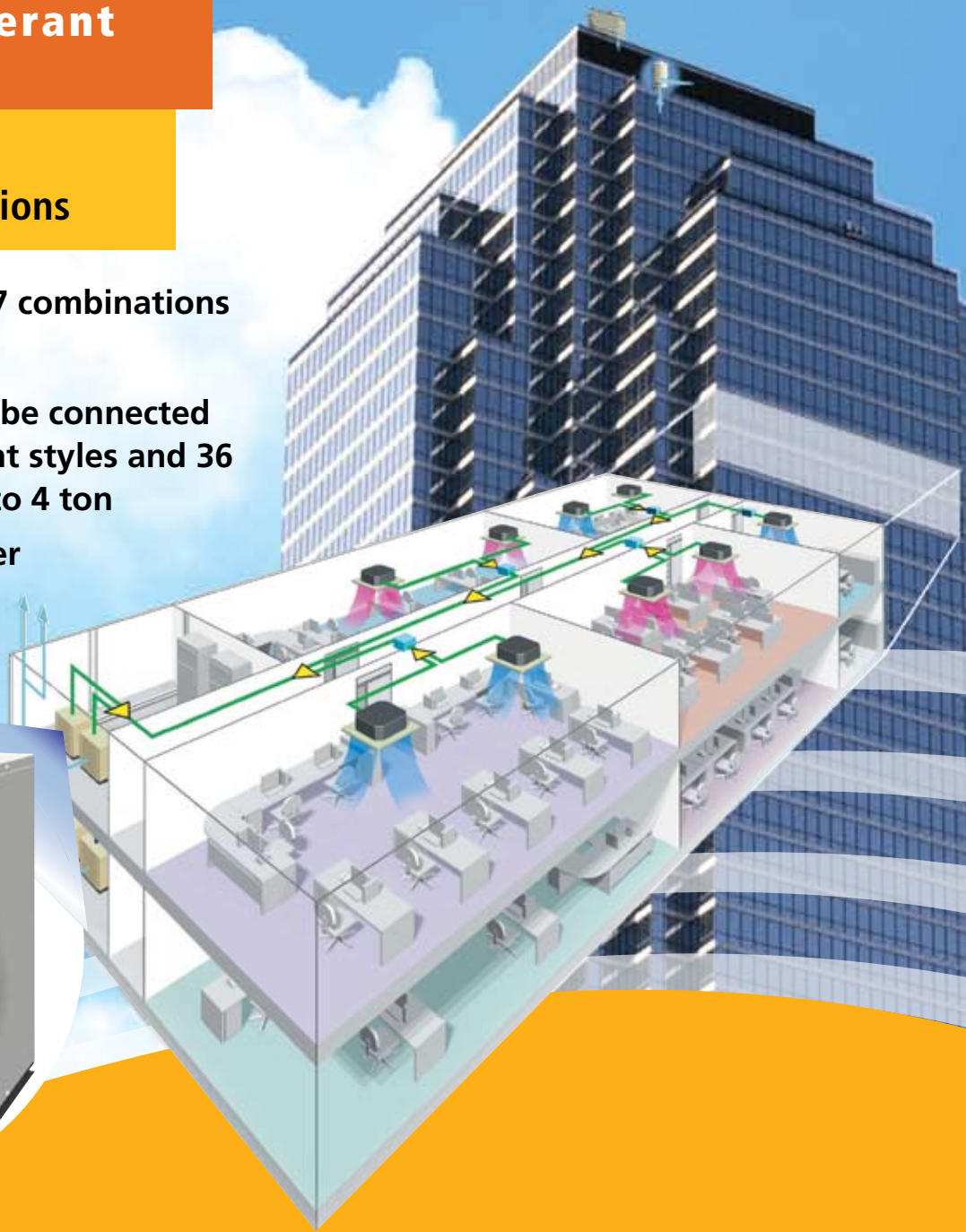
Daikin AC (Americas), Inc.
1645 Wallace Drive, Suite 110
Carrollton, TX 75006

Tel: 866-4DAIKIN
Visit us at www.daikinac.com

Variable Refrigerant Volume

Water Cooled Commercial Applications

- Available up to 21 ton in 7 combinations
- Individual zone control
- Up to 32 indoor units can be connected with a choice of 8 different styles and 36 models ranging from 0.5 to 4 ton
- Connect to a cooling tower (closed loop) and boiler system



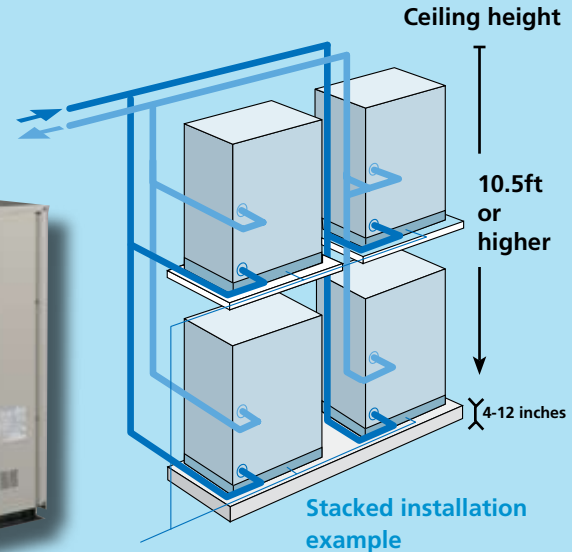
- Unified heat recovery or heat pump condensing units
- Stacked installation possible
- Cold climate capability delivering comfortable heating performance with no defrost
- 2-stage heat recovery operation substantially improving energy efficiency
- Long refrigerant piping length
- Quiet operation
- Fully integrated control suite



Water Cooled VRV - The Next Generation of VRV

Daikin's water cooled VRV® offers an energy saving alternative to traditional centralized equipment. Its remarkable compact and lightweight structure makes installation of VRV technology in large buildings possible. At only 330 lbs. and less than 40" high, the VRV®-WII can take a ride up the elevator to be installed in a machine room. Offering state of the art comfort for hotels, offices and large commercial applications, the engineer solution toolbox just got bigger.

The VRV system keeps running costs at an absolute minimum by controlling each zone individually and being able to shut down completely in unoccupied areas.



Inverter Heat Recovery*

One system provides simultaneous cooling and heating
*Also available in Inverter Heat Pump

VRV-WII Features & Benefits	
Choice	<ul style="list-style-type: none"> ➤ 5, 6, 7, 12, 14, 18 and 21 ton, 208 ~ 230V / 3-phase power for commercial applications. ➤ Unified heat pump or heat recovery (simultaneous operation) outdoor unit.
Advanced Zoning	<ul style="list-style-type: none"> ➤ 7 combinations of condensing unit, up to 21-ton serving up to 32 indoor units.
Independent Control	<ul style="list-style-type: none"> ➤ Each fan coil has its own control from a single outdoor unit.
VFD/Capacity Control	<ul style="list-style-type: none"> ➤ Capacity is modulated automatically by varying refrigerant volume to deliver the precise amount of heating or cooling. ➤ Each zone independently controls its capacity by precise PID control to within + / - 1° F in conjunction with electronic expansion valve equipped indoor units. ➤ Variable speed compressor and fan motors on the condensing unit.
Optimized R-410A Design	<ul style="list-style-type: none"> ➤ The industry benchmark is the world's first R-410A operated Water Cooled variable refrigerant volume (VRV-WII) system and represents a considerable technological advances over comparable systems.
Flexible Design	<ul style="list-style-type: none"> ➤ Continuous operation allows for cold climate capability delivering comfortable heating performance with no defrost. ➤ Long refrigerant lines, up to 980 feet of pipe (390 feet max. linear liquid piping length), 164 feet height difference. ➤ The Water Pressure Resistance of the condensing unit BPHE is 285 psi (640 ft. of head). ➤ Optimum water flow rates of 16 gpm or greater (operable range 13.2 ~ 39.6 gpm). ➤ Modular units can be interconnected to make combinations of up to 21 tons systems. ➤ Operates with closed loop cooling tower, dry cooler and boiler solutions. ➤ System diversity up to 130% connectivity of nominal capacity.
Indoor Units	<ul style="list-style-type: none"> ➤ A choice of ducted fan coils, 4-way cassette, ceiling suspended, wall mounted or floor console. ➤ Capacities from 1/2 (7MBH) to 4 (48 MBH) Ton.
Simple Wiring	<ul style="list-style-type: none"> ➤ Daisy chain control wiring, 2 wire, non-shielded, non-polarized cable for simple installation.
Energy Efficiency	<ul style="list-style-type: none"> ➤ VFD Inverter Scroll Compressor & Fan Coil Unit EEV Technology helps boost operational efficiency levels. ➤ 2-stage heat recovery operation substantially improving energy efficiency.
Outside Air	<ul style="list-style-type: none"> ➤ Outside air capability with ducted fan coils and ductless cassette units.
Space Saving	<ul style="list-style-type: none"> ➤ Compact size, 39-3/8" in height, 30-3/4" wide and just 330lbs. Modular cabinet enables stacked multiple installation.
Advanced Diagnostics	<ul style="list-style-type: none"> ➤ The advanced, self-diagnostic, auto-check function will detect a malfunction and immediately display the type and location so it can be resolved quickly and effectively.
Advanced Controls	<ul style="list-style-type: none"> ➤ Zone LCD Remote Controller for up to 16 zones and provides a host of operational functions, including 7-Day Programmability. ➤ Connects to the full suite of advanced Daikin Control Solutions including I-Touch Controller and I-Manager. ➤ Can be intergrated to Open Protocol Building Management Systems via the Daikin BACnet and LONworks Gateways.
Quiet	<ul style="list-style-type: none"> ➤ Indoor and outdoor units offer quiet operation. FXFQ indoor unit has a sound pressure level as low as 28dB(A) and the RWEYQ condensing unit as low as 50dB(A).

