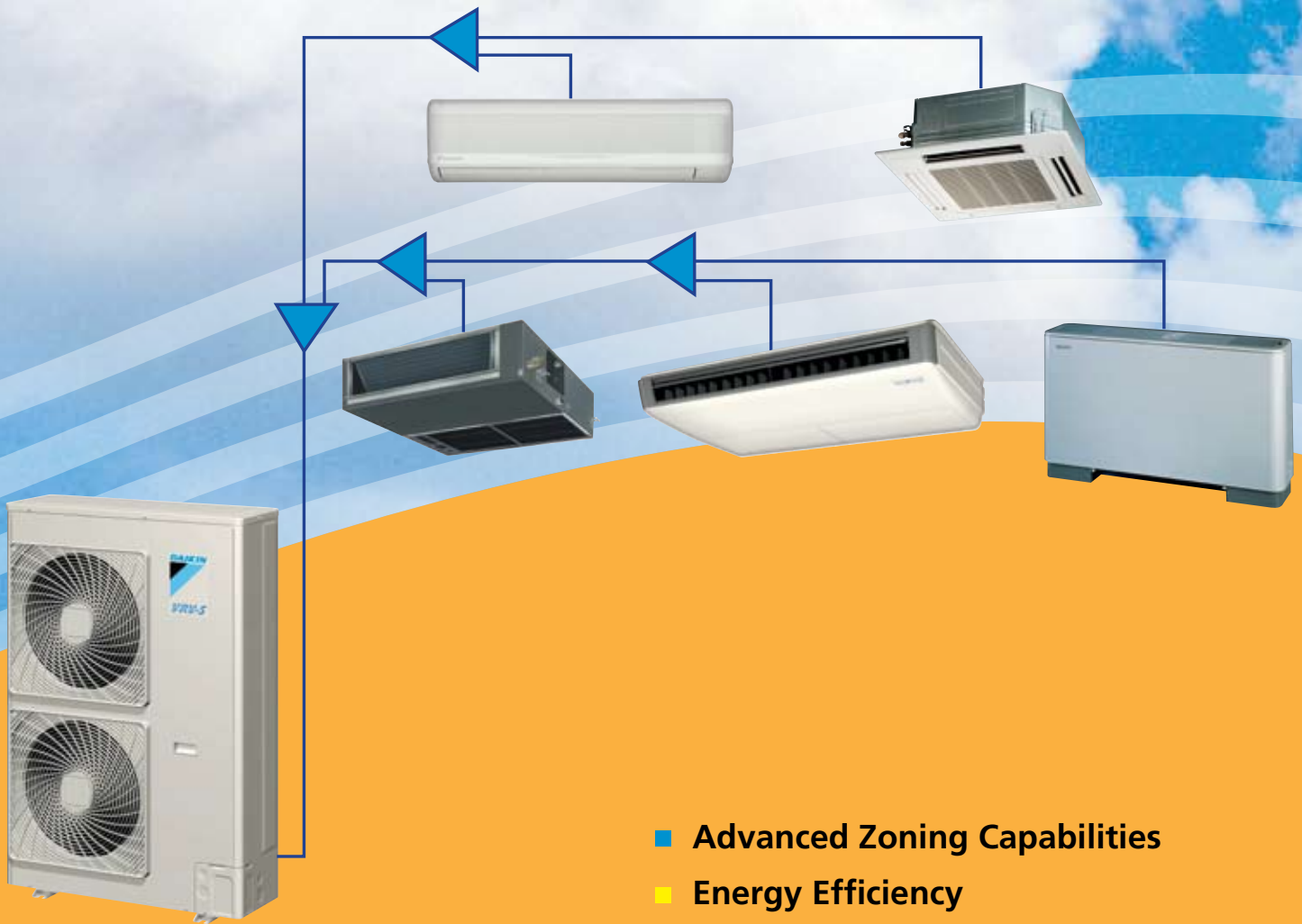


**Variable Refrigerant Volume**

**Air-Cooled DX  
Multizone System**

- Single Phase
- Available in 3 and 4 Ton
- Individual zone control
- Can operate up to 6 or 8 fan coil units
- Optimized design for R-410A



**R-410A  
INVERTER**

- Advanced Zoning Capabilities
- Energy Efficiency
- Innovative Space-Saving Design
- Reliability
- Outstanding Warranties

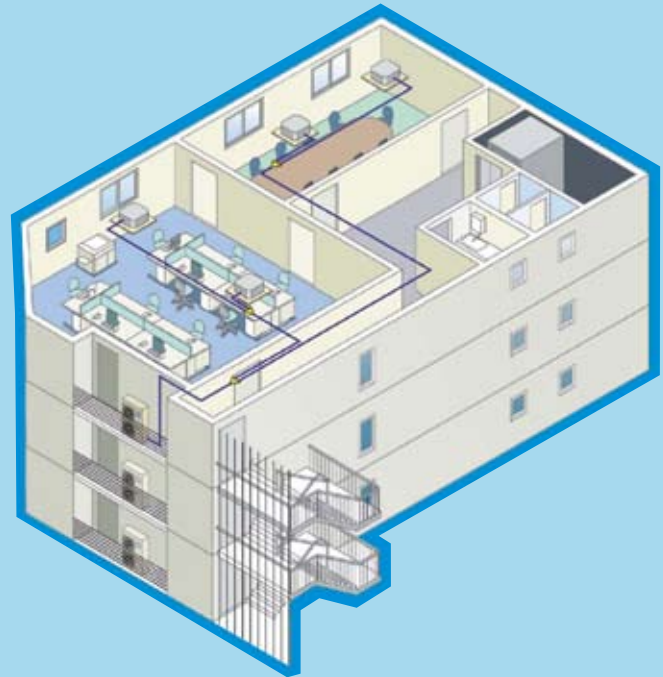


## THE SIMPLIFIED VRV-S SYSTEM TAKES AIR CONDITIONING TO THE NEXT LEVEL.

The VRV-S provides a long piping length of 492 ft (575 ft equivalent piping length), with a total piping length of 1,000 ft. If the outdoor unit is installed above the indoor units, the height can be up to a maximum of 165 ft. These generous allowances facilitate an extensive variety of designs.

The entire pipe network is also facilitated by the use of the REFNET tubing connectors, which reduces the installation time.

Due to its versatile design, the VRV-S System is perfect for installation floor by floor. It increases revenue by simply making the space available, quicker.



### Inverter Heat Pump

One system for either heating or cooling

VRV-S Features & Benefits	
<b>Choice</b>	<ul style="list-style-type: none"> <li>➤ 3 and 4 Ton</li> <li>➤ 208 ~ 230V/1-phase power for residential and light commercial applications.</li> </ul>
<b>Advanced Zoning</b>	<ul style="list-style-type: none"> <li>➤ Individual Zones of up to 6 or 8 zones.</li> </ul>
<b>Independent Control</b>	<ul style="list-style-type: none"> <li>➤ Each fan coil has its own control from a single outdoor unit.</li> </ul>
<b>VFD/Capacity Control</b>	<ul style="list-style-type: none"> <li>➤ Capacity is modulated automatically by varying refrigerant volume to deliver the precise amount of heating or cooling.</li> <li>➤ Each zone independently controls its capacity by precise PID control to within + / - 1° F in conjunction with electronic expansion valve equipped indoor units.</li> <li>➤ Variable speed compressor and fan motors on the condensing unit.</li> </ul>
<b>Optimized R-410A Design</b>	<ul style="list-style-type: none"> <li>➤ The industry benchmark is the world's first R-410A operated variable refrigerant volume (VRV) system and represents a considerable advance in efficiency over competitive systems.</li> </ul>
<b>Flexible Design</b>	<ul style="list-style-type: none"> <li>➤ Continuous operation 0°F DB (-5°F WB) - 64°F DB (60°F WB) in heating mode and 23°F DB - 115°F DB in cooling mode.</li> <li>➤ Long refrigerant lines, up to 1,000 feet of pipe (492 feet max. linear liquid piping length), 165 height difference.</li> <li>➤ Ability to interface with an external heating system.</li> </ul>
<b>Indoor Units</b>	<ul style="list-style-type: none"> <li>➤ A choice of ducted fan coils, 4-way cassette, ceiling suspended, wall mounted or floor console.</li> <li>➤ Capacities from 1/2 (7MBH) to 4 (48MBH) Ton.</li> </ul>
<b>Simple Wiring</b>	<ul style="list-style-type: none"> <li>➤ Daisy chain control wiring, 2 wire non-shielded, non-polarized cable for simple installation.</li> </ul>
<b>Energy Efficiency</b>	<ul style="list-style-type: none"> <li>➤ Inverter technology allows high part load efficiency enabling the compressor speed to vary according to the cooling/heating load and consume only the power necessary to match that load.</li> <li>➤ Superior heating capability with operation as low as -5°FWB (0°FDB).</li> </ul>
<b>Outside Air</b>	<ul style="list-style-type: none"> <li>➤ Outside air capability with ducted fan coils and ductless cassette units.</li> </ul>
<b>Space Saving</b>	<ul style="list-style-type: none"> <li>➤ Very compact outdoor unit with a depth of 12 5/8".</li> </ul>
<b>Advanced Diagnostics</b>	<ul style="list-style-type: none"> <li>➤ 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.</li> </ul>
<b>LCD Remote Control</b>	<ul style="list-style-type: none"> <li>➤ Controls up to 16 zones and provides a host of operational functions.</li> </ul>
<b>Quiet</b>	<ul style="list-style-type: none"> <li>➤ Indoor and outdoor units offer quiet operation. FXFQ indoor unit has a sound pressure level as low as 28dB(A).</li> </ul>







		0.5 Ton	0.75 Ton	1.0 Ton	1.5 Ton	2.0 Ton	2.5 Ton	3.0 Ton	4.0 Ton	
<b>INDOOR UNITS - FXSQ Concealed Ceiling Unit</b> (208 - 230V / 1Ph / 60Hz)										
	Model			FXSQ09MVJU	FXSQ12MVJU	FXSQ18MVJU	FXSQ24MVJU	FXSQ30MVJU	FXSQ36MVJU	FXSQ48MVJU
	Cooling Capacity	Btu/h			12,000	18,000	24,000	30,000	36,000	48,000
	Heating Capacity	Btu/h			13,500	20,000	27,000	34,000	40,000	54,000
	Sound Pressure Level	dB(A) H/L			41/35 <sup>1</sup>	44/38 <sup>1</sup>	44/38 <sup>1</sup>	45/39 <sup>1</sup>	45/39 <sup>1</sup>	48/43 <sup>1</sup>
	Airflow H/L	cfm			340/230	530/390	740/490	950/720	990/740	1300/950
	Weight	lbs.			69	73	95	119	119	122
	Dimensions (H x W x D)	in.			11 7/8 x 21 5/8 x 31 1/2	11 7/8 x 27 1/2 x 31 1/2	11 7/8 x 39 3/8 x 31 1/2	11 7/8 x 55 1/8 x 31 1/2	11 7/8 x 55 1/8 x 31 1/2	11 7/8 x 55 1/8 x 31 1/2
<b>INDOOR UNITS - FXMQ Concealed Ceiling Unit (medium static)</b> (208 - 230V / 1Ph / 60Hz)										
	Model						FXMQ30MVJU	FXMQ36MVJU	FXMQ48MVJU	
	Cooling Capacity	Btu/h					30,000	36,000	48,000	
	Heating Capacity	Btu/h					34,000	40,000	54,000	
	Sound Pressure Level	dB(A) H/L					45/41 <sup>2</sup>	45/41 <sup>2</sup>	48/45 <sup>2</sup>	
	Airflow H/L	cfm					690/565	1020/810	1270/1020	
	Weight	lbs.					99	139	144	
	Dimensions (H x W x D)	in.					15 3/8 x 28 3/8 x 27 1/8	15 3/8 x 43 3/4 x 27 1/8	15 3/8 x 43 3/4 x 27 1/8	
<b>INDOOR UNITS - FXFQ 4 Way Ceiling Mounted Cassette Unit</b> (208 - 230V / 1Ph / 60Hz)										
	Model		FXFQ07MVJU	FXFQ09MVJU	FXFQ12MVJU	FXFQ18MVJU	FXFQ24MVJU	FXFQ30MVJU	FXFQ36MVJU	
	Cooling Capacity	Btu/h			12,000	18,000	24,000	30,000	36,000	
	Heating Capacity	Btu/h			13,500	20,000	27,000	34,000	40,000	
	Sound Pressure Level	dB(A) H/L			31/28 <sup>2</sup>	33/28 <sup>2</sup>	34/29 <sup>2</sup>	38/32 <sup>2</sup>	40/33 <sup>2</sup>	
	Airflow H/L	cfm			460/350	570/390	670/490	990/710	990/740	
	Weight	lbs.			55	55	55	66	66	
	Unit Dimensions (H x W x D)	in.			9 1/8 x 33 1/8 x 33 1/8	9 1/8 x 33 1/8 x 33 1/8	9 1/8 x 33 1/8 x 33 1/8	11 3/8 x 33 1/8 x 33 1/8	11 3/8 x 33 1/8 x 33 1/8	
Panel Dimensions (H x W x D)	in.			1 5/8 x 37 3/8 x 37 3/8	1 5/8 x 37 3/8 x 37 3/8	1 5/8 x 37 3/8 x 37 3/8	1 5/8 x 37 3/8 x 37 3/8	1 5/8 x 37 3/8 x 37 3/8		
<b>INDOOR UNITS - FXAQ Wall Mounted Unit</b> (208 - 230V / 1Ph / 60Hz)										
	Model		FXAQ07MVJU	FXAQ09MVJU	FXAQ12MVJU	FXAQ18MVJU	FXAQ24MVJU			
	Cooling Capacity	Btu/h	7,500	9,500	12,000	18,000	24,000			
	Heating Capacity	Btu/h	8,500	10,500	13,500	20,000	27,000			
	Sound Pressure Level	dB(A) H/L	36/31 <sup>3</sup>	37/31 <sup>3</sup>	38/31 <sup>3</sup>	43/37 <sup>3</sup>	47/40 <sup>3</sup>			
	Airflow H/L	cfm	265/160	285/175	300/180	500/400	635/470			
	Weight	lbs.	25	25	25	31	31			
	Dimensions (H x W x D)	in.	11 3/8 x 31 1/4 x 9	11 3/8 x 31 1/4 x 9	11 3/8 x 31 1/4 x 9	11 3/8 x 41 3/8 x 9	11 3/8 x 41 3/8 x 9			
<b>INDOOR UNITS - FXLQ Floor Console Unit</b> (208 - 230V / 1Ph / 60Hz)										
	Model				FXLQ12MVJU	FXLQ18MVJU	FXLQ24MVJU			
	Cooling Capacity	Btu/h			12,000	18,000	24,000			
	Heating Capacity	Btu/h			13,500	20,000	27,000			
	Sound Pressure Level	dB(A) H/L			36/33 <sup>4</sup>	40/35 <sup>4</sup>	41/36 <sup>4</sup>			
	Airflow H/L	cfm			280/210	490/380	560/420			
	Weight	lbs.			66	80	80			
	Dimensions (H x W x D)	in.			23 5/8 x 44 7/8 x 8 3/4	23 5/8 x 55 7/8 x 8 3/4	23 5/8 x 55 7/8 x 8 3/4			
<b>INDOOR UNITS - FXNQ Concealed Floor Console Unit</b> (208 - 230V / 1Ph / 60Hz)										
	Model				FXNQ12MVJU	FXNQ18MVJU	FXNQ24MVJU			
	Cooling Capacity	Btu/h			12,000	18,000	24,000			
	Heating Capacity	Btu/h			13,500	20,000	27,000			
	Sound Pressure Level	dB(A) H/L			36/33 <sup>4</sup>	40/35 <sup>4</sup>	41/36 <sup>4</sup>			
	Airflow H/L	cfm			280/210	490/380	560/420			
	Weight	lbs.			51	59	59			
	Dimensions (H x W x D)	in.			24 x 42 1/8 x 8 5/8	24 x 53 1/8 x 8 5/8	24 x 53 1/8 x 8 5/8			
<b>INDOOR UNITS - FXHQ Ceiling Suspended Cassette Unit</b> (208 - 230V / 1Ph / 60Hz)										
	Model				FXHQ12MVJU		FXHQ24MVJU		FXHQ36MVJU	
	Cooling Capacity	Btu/h			12,000		24,000		36,000	
	Heating Capacity	Btu/h			13,500		27,000		40,000	
	Sound Pressure Level	dB(A) H/L			38/33 <sup>3</sup>		44/36 <sup>3</sup>		46/41 <sup>3</sup>	
	Airflow H/L	cfm			410/340		710/600		830/670	
	Weight	lbs.			55		80		90	
	Dimensions (H x W x D)	in.			7 11/16 x 37 13/16 x 26 3/4		7 11/16 x 55 1/8 x 26 3/4		7 11/16 x 62 5/8 x 26 3/4	
<b>INDOOR UNITS - FXDQ Slim Duct Built-In Concealed Ceiling Unit</b> (208 - 230V / 1Ph / 60Hz)										
	Model		FXDQ07MVJU	FXDQ09MVJU	FXDQ12MVJU	FXDQ18MVJU	FXDQ24MVJU			
	Cooling Capacity	Btu/h	7,500	9,500	12,000	18,000	24,000			
	Heating Capacity	Btu/h	8,500	10,500	13,500	20,000	27,000			
	Sound Pressure Level	dB(A) H/L	33/29 <sup>2</sup>	33/29 <sup>2</sup>	33/29 <sup>2</sup>	35/31 <sup>2</sup>	36/32 <sup>2</sup>			
	Airflow H/L	cfm	280/226	280/226	280/226	440/350	580/460			
	Weight	lbs.	49	49	49	68	75			
	Dimensions (H x W x D)	in.	7 7/8 x 27 9/16 x 24 7/16	7 7/8 x 27 9/16 x 24 7/16	7 7/8 x 27 9/16 x 24 7/16	7 7/8 x 35 7/16 x 24 7/16	7 7/8 x 43 5/16 x 24 7/16			
<b>OUTDOOR UNITS - RXYMQ Heat Pump</b>										
	Model		3 Ton		4 Ton					
	Cooling Capacity	Btu/h	36,000		48,000					
	Cooling Input Power	kW	3.05		4.73					
	Heating Capacity	Btu/h	40,000		54,000					
	Heating Input Power	kW (Btu/h)	3.27 (11,157)		4.26 (14,535)					
	Operating Range - Cooling	°F DB	23 - 115		23 - 115					
	Operating Range - Heating	°F DB/°F WB	0 - 64/-5 - 60		0 - 64/-5 - 60					
	Power	V/Ph/Hz	208-230/1/60		208-230/1/60					
	Sound Pressure Level @3ft	dB(A)	58		58					
	Airflow H/L	cfm	3,740		3,740					
	Vertical Pipe Length	ft.	164		164					
	Actual Pipe Length	ft.	492		492					
	Equivalent Pipe Length	ft.	575		575					
	Total Pipe Length	ft.	1,000		1,000					
	Weight	lbs.	310		310					
Dimensions (H x W x D)	in.	52 15/16 x 35 7/16 x 12 5/8		52 15/16 x 35 7/16 x 12 5/8						

Notes: <sup>1</sup> at 5 ft below bottom suction grill of unit

<sup>2</sup> at 5 ft below the unit

<sup>3</sup> at 3.3 ft below and from the unit

<sup>4</sup> measured at 5 ft away, 5 ft high

		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](http://www.daikinac.com)