DAIKIN AC
absolute comfort

PRODUCT CATALOG 2013



RESIDENTIAL | LIGHT COMMERCIAL | COMMERCIAL

THE DAIKIN EDGE

Daikin is the only company in the world dedicated to manufacturing both air-conditioning systems and refrigerants. Each element has been designed to work flawlessly with the next – delivering optimal performance – from the time a project begins to the moment of experiencing absolute comfort.

Daikin's advanced residential and commercial systems can deliver absolute comfort to practically any building of any shape, size, and age. That's why it's the ideal solution for schools, hotels, offices, hospital, homes, stores, restaurants and much more. With Daikin, you can create a responsive environment that can constantly readjust itself to your changing needs.

ENERGY EFFICIENCY

Integrated with an inverter "variable speed" compressor, all systems vary compressor speed to deliver the required heating or cooling capacity needed to maintain desired comfort conditions, minimizing temperature fluctuations and maximizing energy savings.

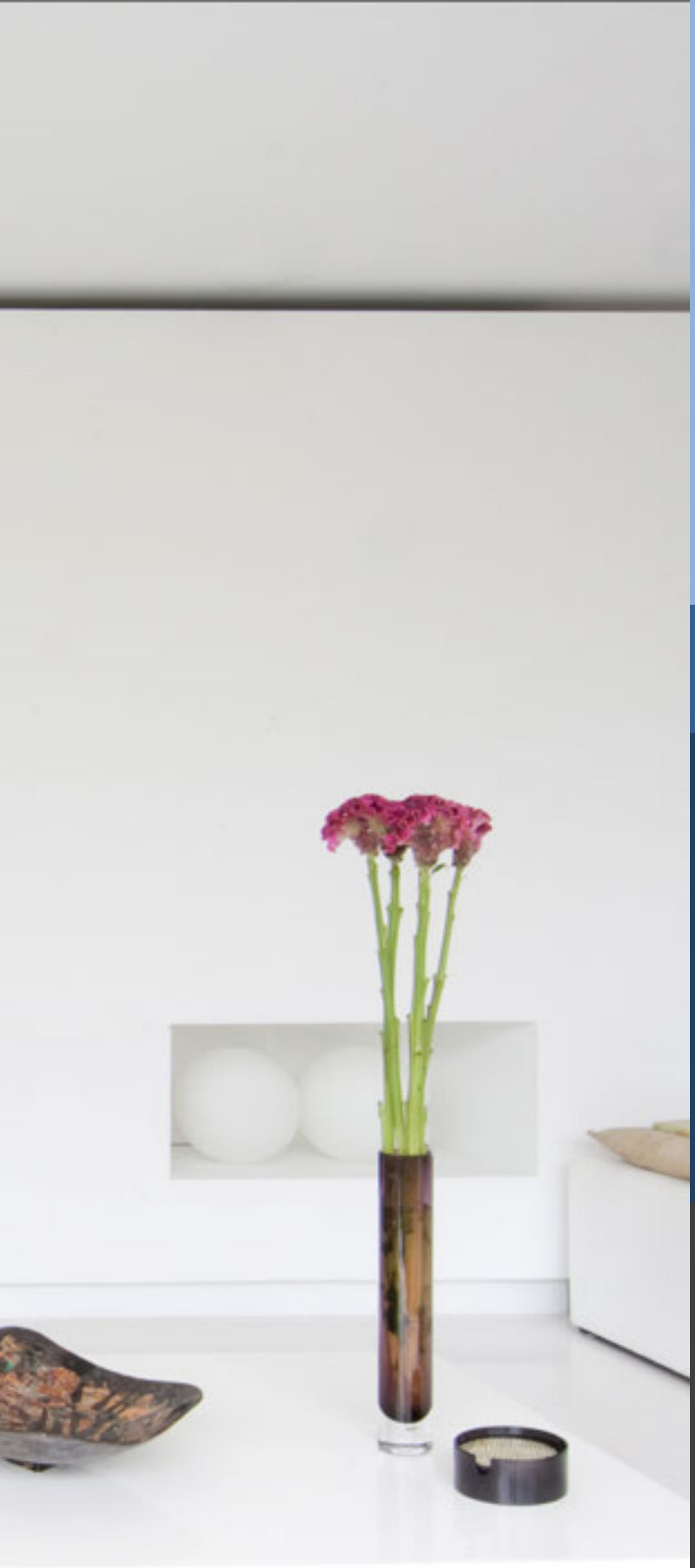
ADVANCED ZONING CAPABILITIES

Modular in design, Daikin systems provide individual zone control no matter how small or large the application. From single room solutions to large commercial options, Daikin provides advanced solutions with comfort control features.

RELIABILITY

Engineered for reliability, all major components are designed and manufactured by Daikin to ensure maximum performance and durability. From the internal and external components to the non-ozone depleting potential R-410A, Daikin systems optimize energy conservation and is backed by one of the best warranties in the industry.

For more information, visit www.daikincare.com



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Key Features and Benefits*

Superior Comfort Control

Indoor Unit Quiet Operation. Sound levels are reduced by 2-3 decibels (dB) from the low fan speed for quieter and gentler heating and cooling.

Outdoor Unit Quiet Operation. Outdoor unit sound levels can be reduced by 3dB for times when quieter operation is needed.

Intelligent Eye. The intelligent eye is an infrared sensor with the ability to sense movement in the room. When you are in the room, the air conditioner operates normally. If you leave the room for more than 20 minutes the air conditioner automatically changes to an energy-saving operation. Using the intelligent eye, savings of up to 20% in cooling and up to 30% in heating, can be achieved.

Automatic Operation. For unattended year-round comfort, this function allows the unit to automatically switch between heating and cooling modes as required.

Program Dry Function. This gives priority to reducing the level of humidity in the room rather than room temperature.

Auto Fan Speed. To reduce operating sound and power consumption, the fan speed is automatically controlled by the micro-processor to suit the controller setting and prevailing room temperature.

Hot Start. When the heating operation starts or when the unit changes from cooling to heating there is no cold draft released into the room.

Lifestyle Convenience

Econo Mode. Limits the maximum operating current and power consumption of the outdoor unit by approximately 30% during start-up. This saves energy and reduces the load on the electrical circuit when multiple electrical devices are used simultaneously.

Powerful Operation. Pushing the POWERFUL button on the remote control gives you a boost in cooling or heating power for a 20-minute period, even if the unit is already operating at high capacity.

*Please refer to individual product for availability. (pg7)

Remote Controller with Backlit Display. Features a backlit LCD and luminescent control buttons, allowing for easy viewing in dimly lit rooms.

Home Leave Operation. Select this energy saving function when leaving the house and the air conditioner will operate at a pre-selected temperature. Your home can then be warmed or cooled much quicker upon your return. It can also be used to record your preferred (default) settings.

Indoor Unit On/Off Switch. A convenient on/off switch on the indoor unit allows you to start up the system even if you have misplaced the remote control or the remote control batteries are exhausted.

Comfortable Airflow

Wide Angle Louvers. Smoothly curved wide-angle louvers provide wide airflow coverage for effective heating and cooling no matter where the indoor unit is placed within the room.

Dual Flap System. This unique system directs warm air to the floor in winter and cool air across the room in summer for maximum efficiency and comfort. The large flap governs airflow direction while the small flap (or diffuser) swings, producing fine air currents that help circulate the air around the room.

Comfortable Mode. The new flap changes the delivery angle to horizontal for cooling and vertical for heating operation, to prevent cold or warm air from blowing directly onto your body.

Vertical Auto-Swing (up and down). The vertical auto swing automatically sweeps the air across the room in an up and down motion. When the unit is switched off, the louvers close automatically.

Horizontal Auto-Swing (left and right). Automatically moves to ensure an even distribution of air throughout a room.

3-D Airflow. Combines vertical and horizontal auto-swing to circulate cool/warm air to the corners of large spaces.

Worry Free

Auto-Restart. The unit memorizes the operation mode, airflow and temperature settings. Should there be a power failure when the unit is in operation, it will automatically return to the same operating conditions when the power is restored.

Self-Diagnosis. In the event that a problem develops with the unit, malfunction codes can be displayed on the liquid crystal panel of the remote control for fast and easy fault diagnosis.

Anti-Corrosion. The special anti-corrosion coating on the outdoor unit heat exchanger ensures greater resistance to salt damage and atmospheric corrosion.

Healthy and Clean

Air-Purifying Filter with Photocatalytic Deodorizing Function. This combination operates as a highly-effective unit. The filter attracts microscopic particles that can carry bacteria and viruses and can filter can be used for approximately three years if periodic maintenance is performed.

Titanium Apatite Photocatalytic Air-Purifying Filter. This filter combines the air-purifying filter and titanium apatite photocatalytic deodorizing filter in a single highly effective unit. The filter traps microscopic particles, decomposes odors and even adsorbs and deactivates bacteria and viruses. It lasts for three years without replacement if washed once every six months.

Mold-Proof Air Filter. The pre-filter net is impregnated with a safe, colorless and odorless mold preventative. This renders the filter virtually immune to mold.

Wipe-Clean Flat Panel. The flat panel models can be cleaned with only the single pass of a cloth across their smooth surface. The flat panel can also be easily removed for more thorough cleaning.

Timers

24-Hour On/Off Timer. The timer can be preset to start and stop the air conditioner at any time within a 24-hour period. Once the times are set, the air conditioner can be operated for a period by simply pressing the ON or OFF timer buttons.

Weekly Timer. The weekly timer function makes it easy to enter up to four settings per day for each day of the week. The weekly timer function not only allows you to program on and off time, but also the desired temperature.

Night Set Mode. Through the use of the 'Timer-OFF Circuit', the preset room temperature gently rises in cooling or falls in heating before the unit stops. This energy-saving feature allows you to sleep comfortably without feeling a sudden change in the room temperature, while at the same time saving energy.

Keeping Warm

Quick Warming Function. Preheats the compressor to shorten the time required to discharge warm air.

Automatic Defrosting. Sensor performs automatic defrosting of the outdoor heat exchanger if necessary, ensuring optimum heating performance.

Tax Credit

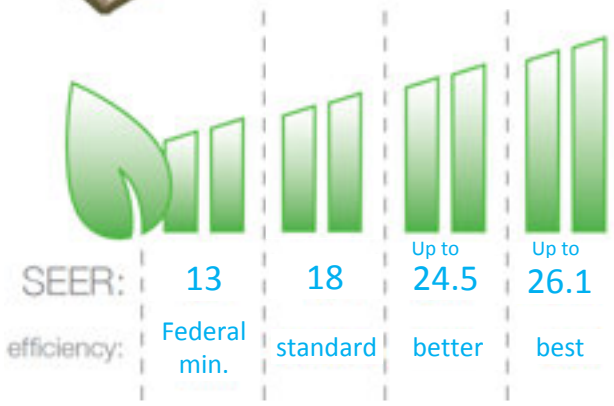
Tax Credit Qualified. Daikin sells products that may be eligible for tax credit opportunities. For more information, please visit www.daikinac.com.

Split Systems

From one-to-one solutions for single room enhancements to multi-zone solutions for flexibility in a space saving design, split systems provide comfort for almost any residential application. As a global leader and innovator, Daikin provides home comfort solutions designed for energy efficiency, built-in reliability, and individual temperature control.

Energy Efficient

Integrated with an inverter "variable speed" compressor, systems deliver the capacity required to maintain desired room conditions, typically reducing energy consumption by 30% compared to traditional fixed speed systems. This technology minimizes temperature fluctuations and provides continuous cooling and heating comfort with maximum energy savings.



Individual Temperature Control

Individual temperature control provides comfort for the entire space. Each system is equipped with a wireless remote control, providing the ability to change the settings anywhere in the comfort of the conditioned space. A large display provides an overview of the unit's operation and user friendly buttons offer advanced capabilities from temperature control to energy saving features.

Reliability

All major components are engineered and manufactured by Daikin, ensuring maximum performance, reliability and efficiency. From the internal motors and compressors to the exterior anti-corrosion treatment and self diagnostic function, Daikin systems are built with durability and backed by one of the best warranties in the industry.

Split System Features

		Single Split					Multi-Split					
Type		Cool Only	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Models		FTXN_K(E)	FTXN_K(E)	FDXS_LV	FTXS_LV	FTXG_H	FDXS_LV	CDXS_LV	CTXS_H	CTXS_LV	FTXS_LV	FFQ_LV
	Pulse Amplitude Modulation	●	●	●	●	●						
Comfortable Airflow	Power Airflow Dual Flaps				●	●			●	●	●	
	Wide Angle Louvers	●	●		●	●			●	●	●	
	Vertical Auto Swing (up and down)	●	●		●	●			●	●	●	●
	Horizontal Auto Swing (left and right)				●	●			●	●	●	
	3 D Airflow				●	●			●	●	●	
	Comfortable Mode	●	●		●	●				●	●	
Comfort Control	Indoor Unit Quiet Operation	●	●	●	●	●	●	●	●	●	●	
	Outdoor Unit Quiet Operation			●	●		●	●	●	●	●	●
	Intelligent Eye				●				●	●	●	
	Automatic Operation		●	●	●	●	●	●	●	●	●	●
	Program Dry Function	●	●	●	●	●	●	●	●	●	●	●
	Auto Fan Speed	●	●	●	●	●	●	●	●	●	●	
	Hot Start		●	●	●	●	●	●	●	●	●	●
Healthy and Clean	Mold Proof Air Filter	●	●	●	●	●	●	●	●	●	●	●
	Air Purifying Filter with Photocatalytic Deodorizing Function								●			
	Titanium Apatite Photocatalytic Air Purifying Function	●	●		●	●				●	●	
	Flash Streamer					●						
	Wipe clean Flat Panel	●	●		●	●			●	●	●	
Lifestyle	Standby Electricity Saving	●	●	●	●		●	●			●	
	Econo Mode	●	●	●	●		●	●		●	●	
	Powerful Operation	●	●	●	●	●	●	●	●	●	●	
	Remote Controller with backlit display	●	●	●	●		●	●	●	●	●	
	LCD Wireless Remote Control	●	●	●	●	●	●	●	●	●	●	
	Home Leave Operation								●			
	Indoor Unit On/Off Timer	●	●	●	●	●	●	●	●	●	●	●
Timers	24 Hour On/Off Timer	●	●	●	●	●	●	●	●	●	●	
	Weekly Timer				●					●	●	
	Night Set Mode	●	●	●	●	●	●	●	●	●	●	
Worry Free	Auto Restart after Power Failure	●	●	●	●	●	●	●	●	●	●	●
	Self Diagnosis with Digital Display	●	●	●	●	●	●	●	●	●	●	●
	Anticorrosion Treatment of Outdoor Heat Exchanger Fin	●	●	●	●	●	●	●	●	●	●	●

K(E) Series (SEER 18)

RXN__KEVJU
RKN__KEVJU

FTXN_K(E)VJU

ARC452

BRC944B2
(Option)

(Option)

Elegant design with comfort control features.

Key features include:

- Standby electricity saving reduces electricity consumption by up to 90% when the unit is not in operation.
- Econo mode decreases power consumption during startup when other appliances need more power.
- Titanium apatite photocatalytic air purification filter decomposes odors and attracts microscopic particles that can carry bacteria and viruses.
- Whisper quiet operation with sound levels as low as 22 dB(A).
- Available from 9,000 Btu/h to 24,000 Btu/h in heat pump and cooling only models.

KE Series Standard Efficiency System Performance							
Cooling Capacity (Rated)		Btu/h	9,000	12,000	15,000	18,000	22,000
Cooling Capacity (Min – Max)		Btu/h	4,400 - 9,500	4,400 - 12,000	5,800 - 15,000	5,800 - 18,000	5,800 - 22,000
Heating Capacity (Rated)*		Btu/h	10,000	13,500	18,000	21,600	24,000
Heating Capacity (Min – Max)*		Btu/h	4,400 - 11,600	4,400 - 16,400	5,800 - 21,200	5,800 - 24,000	5,800 - 25,400
SEER			18.0	18.0	18.0	18.0	18.0
COP			3.49	3.25	3.05	2.88	2.78
EER			12.0	9.9	12.0	12.0	8.6
HSPF*			8.5	8.5	8.5	8.5	8.5
Power Supply		V/ph/Hz	208-230/1/60				
Minimum Circuit Amps		A	4.8	7.0	15.5	15.5	15.5
Maximum Overcurrent Protection		A	15.0	15.0	20.0	20.0	20.0
Power Consumption - Cooling		W	750	1,210	1,250	1,500	2,560
Power Consumption - Heating*		W	840	1,220	1,730	2,200	2,530
Indoor Units - FTXN_K(E)VJU Wall Mounted Units							
Model Name			FTXN09KEVJU	FTXN12KEVJU	FTXN15KVJU	FTXN18KVJU	FTXN24KVJU
Moisture Removal		gal/h	n/a	n/a	0.77	1.03	1.19
Airflow-Wet (H/M/L/SL)		CFM	325/244/162/138	328/254/184/152	519/438/364/335	572/480/403/360	572/480/403/360
Airflow-Dry (H/M/L/SL)*		CFM	342/275/212/187	357/293/226/201	568/491/406/360	614/533/448/403	614/533/448/403
Sound Pressure - Cooling (H/M/L/SL)		dB(A)	40/33/26/22	42/34/27/23	45/41/36/33	45/41/36/33	46/42/37/34
Sound Pressure - Heating (H/M/L/SL)*		dB(A)	40/34/28/25	41/35/29/26	44/40/35/32	44/40/35/32	46/42/37/34
Piping Connections	Liquid (O.D.)	in.	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4
	Gas (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 1/2	Ø 1/2	Ø 1/2
	Condensate Drain	in.	Ø 5/8	Ø 5/8	Ø 11/16	Ø 11/16	Ø 11/16
Dimensions (H x W x D)		in.	11-1/8 x 30-3/8 x 7-3/4		11-7/16 x 41-5/16 x 9-3/8		
Net Weight		lbs.	16.0		26.5		
Outdoor Units - RKN_KEVJU Cooling Only and RXN_KEVJU Heat Pump							
Model Name	Cooling Only		RKN09KEVJU	RKN12KEVJU	RKN15KEVJU	RKN18KEVJU	RKN24KEVJU
	Heat Pump		RXN09KEVJU	RXN12KEVJU	RXN15KEVJU	RXN18KEVJU	RXN24KEVJU
Sound Pressure Level - Cooling/Heating*		dB(A)	48 / 48	50 / 51	51 / 53	53 / 53	54 / 54
Operating Range - Cooling		°F DB	50 - 115	50 - 115	50 - 115	50 - 115	50 - 115
Operating Range - Low Ambient Cooling**		°F DB	14 - 115	14 - 115	14 - 115	14 - 115	14 - 115
Operating Range - Cooling with Optional Wind Baffle**		°F DB	0 - 115	0 - 115	0 - 115	0 - 115	0 - 115
Operating Range - Heating*		°F DB	5 - 77	5 - 77	5 - 77	5 - 77	5 - 77
Max. Piping Length		ft.	65.6	65.6	98.4	98.4	98.4
Max. Piping Height		ft.	49.2	49.2	65.6	65.6	65.6
Dimensions (H x W x D)		in.	21-5/8 x 25-7/8 x 10-7/8		23-7/16 x 31-5/16 x 11-13/16		
Net Weight		lbs.	68.0		93.0		

*Applicable to heat pump models only
**Cutting a jumper is required. Refer to installation manual.

LV Series (Up to SEER 15.5)

RXS_LVJU

FDXS_LVJU

ARC452

BRC944B2
(Option)

(Option)

Compact and slim in height for flexible, hidden design.

Key features include:

- Indoor unit and outdoor unit quiet functions reduce sound levels by 2-3 dB(A) for gentler heating and cooling and whisper quiet operation.
- Standby electricity saving reduces electricity consumption by up to 90% when the unit is not in operation.
- Econo mode decreases power consumption when other appliances need more power.
- Powerful operation provides rapid heating or cooling.
- Available in 9,000 Btu/h and 12,000 Btu/h in heat pump models.

LV Series Standard Efficiency System Performance				
Cooling Capacity (Rated)		Btu/h	8,500	11,500
Cooling Capacity (Min – Max)		Btu/h	4,400 - 8,500	4,800 - 11,500
Heating Capacity (Rated)		Btu/h	10,000	11,500
Heating Capacity (Min – Max)		Btu/h	4,400 - 10,000	4,800 - 11,500
SEER			15.1	15.5
COP			3.45	3.51
EER			11.2	9.1
HSPF			10.3	10.4
Power Supply		V/ph/Hz	208-230/1/60	
Minimum Circuit Amps		A	8.00	8.75
Maximum Overcurrent Protection		A	15	15
Power Consumption - Cooling		W	760	1,260
Power Consumption - Heating		W	850	960
Indoor Units - FDXS_LVJU Slim Duct Built-in Units				
Model Name			FDXS09LVJU	FDXS12LVJU
External Static Pressure		in. W.G.	0.12	0.12
Moisture Removal		gal/h	2.5	4.0
Airflow-Wet (H/M/L/SL)		CFM	305/280/260/235	305/280/260/235
Airflow-Dry (H/M/L/SL)		CFM	305/280/260/235	305/280/260/235
Sound Pressure Level - Cooling (H/M/L)		dB(A)	35/33/31	35/33/31
Sound Pressure Level - Heating (H/M/L)		dB(A)	35/33/31	35/33/31
Piping Connections	Liquid (O.D.)	in.	Ø 1/4	Ø 1/4
	Gas (O.D.)	in.	Ø 3/8	Ø 3/8
	Condensate Drain	in.	Ø 25/32	Ø 25/32
Dimensions (H x W x D)		Inch	7-7/8 x 27-9/16 x 24-7/16	
Net Weight		lbs.	47.0	47.0
Outdoor Units - RXS_LVJU Heat Pump				
Model Name			RXS09LVJU	RXS12LVJU
Sound Pressure Level - Cooling (H/L)		dB(A)	47/43	49/44
Sound Pressure Level - Heating (H/L)		dB(A)	48/44	49/45
Operating Range - Cooling		°F DB	14 - 115	14 - 115
Operating Range - Cooling with Optional Wind Baffle		°F DB	0 - 115	0 - 115
Operating Range - Heating		°F DB	5 - 77	5 - 77
Max. Piping Length		ft.	65.6	65.6
Max. Piping Height		ft.	49.2	49.2
Dimensions (H x W x D)		in.	21-5/8 x 30-1/8 x 11-1/4	
Net Weight		lbs.	75.0	75.0

LV Series (Up to SEER 24.5)


RXS_LVJU


FTXS_LVJU


ARC444


BRC944B2
(Option)


(Option)

Sleek design with energy saving features.

Key features include:

- Intelligent eye adjusts between normal operation and energy saving mode by utilizing a motion detecting sensor to monitor occupancy, resulting in savings up to 20% in heating and 30% in cooling.
- Weekly timer provides customizable 7 day comfort with the ability to program up to 4 settings per day.
- 3-D airflow combines vertical and horizontal auto-swing to circulate warm or cool air throughout large spaces.
- Titanium apatite photocatalytic air purification filter decomposes odors and attracts microscopic particles that can carry bacteria and viruses.
- Available from 9,000 Btu/h to 24,000 Btu/h in heat pump models.

LV Series High Efficiency System Performance						
Cooling Capacity (Rated)	Btu/h	9,000	12,000	15,000	18,000	21,500
Cooling Capacity (Min – Max)	Btu/h	4,400 - 9,000	4,800 - 12,000	5,800 - 15,000	5,800 - 18,000	7,800 - 21,500
Heating Capacity (Rated)	Btu/h	9,000	14,400	15,000	18,000	25,400
Heating Capacity (Min – Max)	Btu/h	4,400 - 12,000	4,800 - 14,400	5,800 - 18,000	5,800 - 21,600	7,800 - 25,400
SEER		24.5	23.0	20.6	20.3	20.0
COP		4.46	4.35	4.00	3.70	3.37
EER		15.3	12.8	14.4	12.7	12.5
HSPF		12.5	12.5	11.6	11.0	10.6
Power Supply	V/ph/Hz	208-230/1/60				
Minimum Circuit Amps	A	8.00	8.75	13.75	13.75	17.50
Maximum Overcurrent Protection	A	15.0	15.0	20.0	20.0	20.0
Power Consumption - Cooling	W	590	940	1,040	1,420	1,720
Power Consumption - Heating	W	790	970	1,320	1,710	2,210
Indoor Units - FTXS_LVJU Wall Mounted Units						
Model Name		FTXS09LVJU	FTXS12LVJU	FTXS15LVJU	FTXS18LVJU	FTXS24LVJU
Moisture Removal	gal/h	0.3	0.5	0.8	1.0	1.2
Airflow-Wet (H/M/L/SL)	CFM	381/279/194/145	403/307/205/155	568/477/385/360	583/484/385/360	643/494/350/328
Airflow-Dry (H/M/L/SL)	CFM	420/321/233/219	438/335/240/212	593/505/417/371	625/526/431/399	699/572/445/403
Sound Pressure - Cooling (H/M/L/SL)	dB(A)	41/33/25/22	45/37/29/23	45/40/35/32	46/41/36/33	51/42/37/34
Sound Pressure - Heating (H/M/L/SL)	dB(A)	42/35/28/25	45/39/29/26	43/38/33/30	45/40/35/32	48/42/37/34
Piping Connections – Liquid (O.D.)	in.	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4
Piping Connections – Gas (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 1/2	Ø 1/2	Ø 5/8
Piping Connections – Condensate Drain	in.	Ø 5/8	Ø 5/8	Ø 5/8	Ø 5/8	Ø 5/8
Dimensions (H x W x D)	Inch	11-5/8 x 31-1/2 x 8-7/16		13-3/8 x 41-5/16 x 9-3/4		
Net Weight	lbs.	20.0	22.0	31.0	31.0	31.0
Outdoor Units - RXS_LVJU Heat Pump						
Model Name		RXS09LVJU	RXS12LVJU	RXS15LVJU	RXS18LVJU	RXS24LVJU
Sound Pressure Level - Cooling	dB(A)	47/43	49/44	47/44	49/46	52/49
Sound Pressure Level - Heating	dB(A)	48/44	49/45	48/45	49/46	52/49
Operating Range - Cooling	°F DB	14 - 115	14 - 115	14 - 115	14 - 115	14 - 115
Operating Range - Cooling with Optional Wind Baffle	°F DB	0 - 115	0 - 115	0 - 115	0 - 115	0 - 115
Operating Range - Heating	°F DB	5 - 77	5 - 77	5 - 77	5 - 77	5 - 77
Max. Piping Length	ft.	65.6	65.6	98.4	98.4	98.4
Max. Piping Height	ft.	49.2	49.2	65.6	65.6	65.6
Dimensions (H x W x D)	in.	21-5/8 x 30-1/8 x 11-1/4		28-15/16 x 32-1/2 x 11-13/16		30-5/16 x 35-7/16 x 12-5/8
Net Weight	lbs.	75.0	75.0	104.0	104.0	159.0

Quaternity (Up to SEER 26.1)

The Quaternity system is designed to maximize comfort even under the most challenging weather conditions. Equipped with built-in intelligence and extensive features in a highly efficient system, Quaternity provides a comfortable and refreshing indoor environment with advanced filtration and climate control.

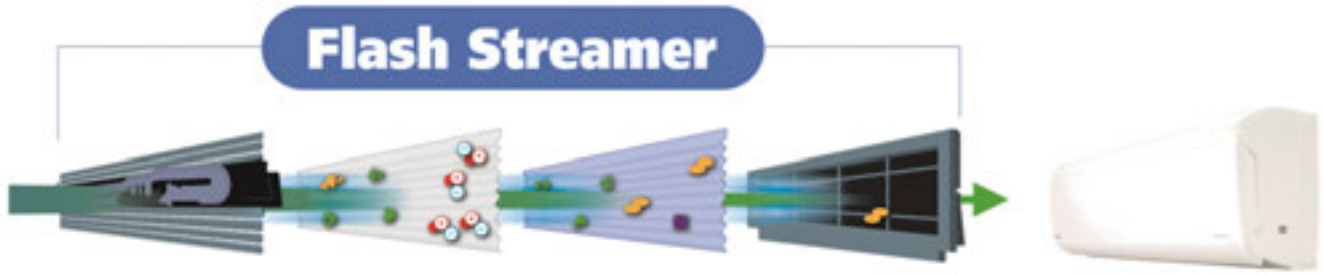
Energy Efficiency

Integrated with an inverter “variable speed” compressor, systems deliver the capacity required to maintain desired room conditions, typically reducing energy consumption by 30% compared to traditional fixed speed systems. This technology minimizes temperature fluctuations and provides continuous cooling and heating comfort with maximum energy savings.

	High Energy Efficiency and Low Estimated National Average Annual		
	9,000 Btu/h Class	12,000 Btu/h Class	15,000 Btu/h Class
SEER	26.1	24.2	21.0
EER	15.8	14.0	12.9
Cooling Cost	$40	$57	$82
HSPF	11.0	10.6	10.0
COP	4.51	4.04	3.99
Heating Cost	$167	$262	$368
*All data is based on AHRI 210/240 performance values.			

Increased Indoor Air Quality with Flash Streamer Technology

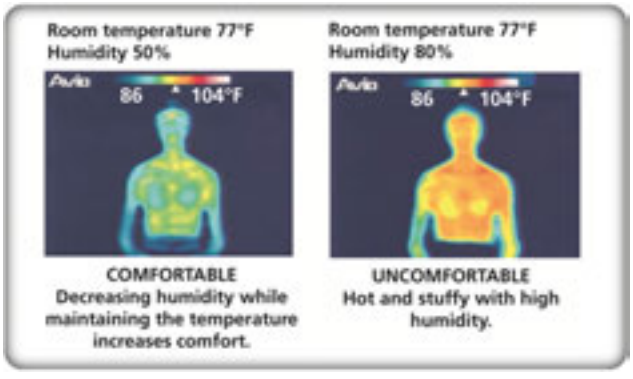
Daikin’s Flash streamer technology increases indoor air quality through a powerful multistage filtration system. Designed with a wide, plasma discharge range, the flash streamer has an oxidative decomposition speed that can filter 1,000 times faster than conventional plasma type systems.



Plasma Ionizer | Electrostatic Dust Collection Filter | Titanium Apatite Photocatalytic Filter | Streamer Deodorizing Catalyst

Dehumidification While Maintaining Temperature

Utilizing intelligent indoor heat exchanger technology, the system mixes cool dry air with warm air to provide dehumidification to a relative humidity setting while maintaining room temperature. Whether dehumidifying is needed on a hot summer day or a warm rainy night, Quaternity can provide a refreshingly cool experience



RXG_HVJU

FTXG_HVJU

ARC447A3

Heating, cooling, dehumidification and air purification in a premium all-in-one system.

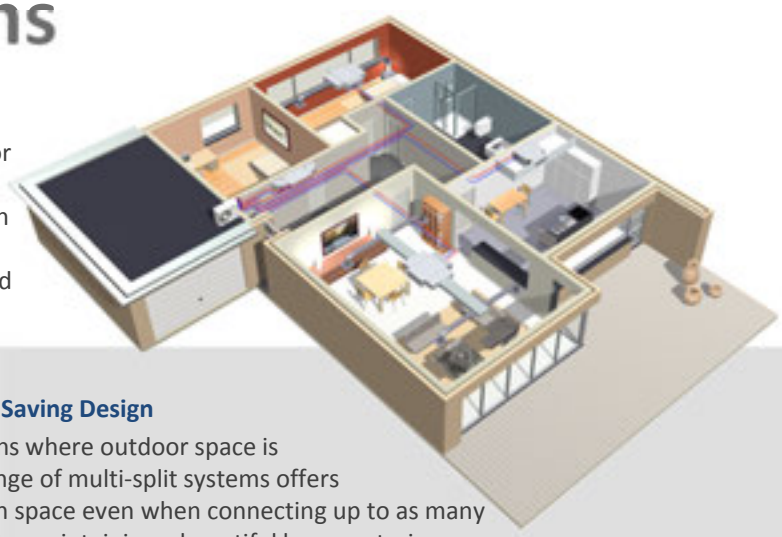
Key features include:

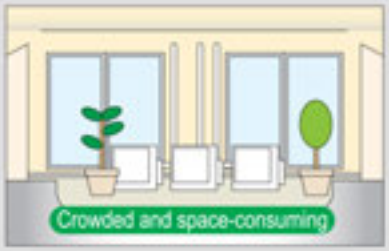
- Provides high energy savings with systems up to SEER 26.1 and EER 15.8.
- Controls humidity levels to a relative setting.
- Removes allergens, odors, and bacteria with the "Flash Streamer" for improved indoor air quality.
- Delivers high heating capacity at low ambient temperatures down to -4°F.
- Offers simple, user-friendly wireless infra-red remote controller.
- Operates at whisper quiet sound as low as 26 dB(A).

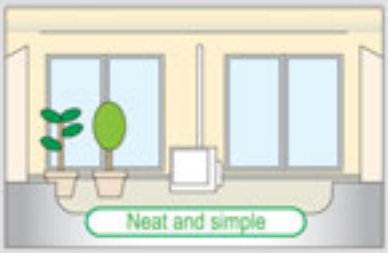
Quaternity Premium Efficiency System Performance					
Cooling Capacity (Rated)		Btu/h	9,000	12,000	15,000
Cooling Capacity (Min – Max)		Btu/h	5,300 - 12,300	5,300 - 15,700	5,300 - 18,000
Heating Capacity (Rated)		Btu/h	12,000	16,000	18,000
Heating Capacity (Min – Max)		Btu/h	4,400 - 18,000	4,400 - 19,100	4,400 - 21,200
SEER			26.1	24.2	21.0
EER			15.8	14.0	12.9
HSPF			11.0	10.6	10.0
Power Supply		V/ph/Hz	208-230/1/60		
Minimum Circuit Amps		A	14.5	14.5	14.5
Maximum Overcurrent Protection		A	15.0	15.0	15.0
Power Consumption - Cooling		W	250 - 900	260 - 1,300	260 - 1,930
Power Consumption - Heating		W	220 - 1,900	220 - 2,100	230 - 2,120
Indoor Units - FTXG_HVJU Wall Mounted Units					
Model Name			FTXG09HVJU	FTXG12HVJU	FTXG15HVJU
Moisture Removal		gal/h	0.41	0.51	0.60
Airflow-Wet (H/M/L)		CFM	420/325/230	459/346/240	487/371/258
Airflow-Dry (H/M/L)		CFM	438/346/258	470/367/272	494/392/293
Sound Pressure - Cooling (H/M/L)		dB(A)	42/33/26	43/35/27	45/37/29
Sound Pressure – Heating (H/M/L)		dB(A)	42/35/28	43/36/29	44/38/31
Piping Connections	Liquid (O.D.)	in.	Ø 1/4	Ø 1/4	Ø 1/4
	Gas (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 3/8
	Condensate Drain	in.	Ø 11/16	Ø 11/16	Ø 11/16
Dimensions (H x W x D)		Inch	12 x 35-1/32 x 8-7/32		
Outdoor Units - RXG_HVJU Heat Pump					
Model Name			RXG09HVJU	RXG12HVJU	RXG15HVJU
Sound Pressure Level - Cooling/Heating		dB(A)	46/46	49/48	50/50
Operating Range - Cooling		°F DB	14 - 109	14 - 109	14 - 109
Operating Range - Heating		°F DB	-4 - 75	-4 - 75	-4 - 75
Max. Piping Length		ft.	32	32	32
Max. Piping Height		ft.	26	26	26
Dimensions (H x W x D)		in.	22-3/8 x 31-9/32 x 11-7/32		
Net Weight		lbs.	99	99	99

Multi-Split Systems

Daikin's 2-port, 3-port, 4-port, and 8 zone multi-split systems can serve up to eight rooms from a single outdoor unit. With indoor unit options consisting of streamlined wall mount units, built-in slim duct units, or a combination of both, multi-split systems offer over 1,000 possible connection combinations, creating a flexible, powerful and energy efficient system.







Flexible in a Space Saving Design

Ideal for installations where outdoor space is limited, Daikin's range of multi-split systems offers reduced installation space even when connecting up to as many as eight indoor units, maintaining a beautiful home exterior.

Connecting each indoor unit by a pair of refrigerant lines, few electrical connections, and little to no ductwork, indoor and outdoor units can be easily installed in existing spaces with minor disruption and often in a single day's work. The compact and lightweight designs combined with flexible piping and minimal wiring allow installation with minimal time and costs.

Priority Room Setting

During initial installation, a priority room may be set to deliver preferential conditioning and control over the functions: operation mode, powerful operation, and quiet outdoor operation.

Operation mode priority

Cooling or heating operation mode in the selected room is given priority. When a different operation mode from another unit is selected, the unit is placed on standby until the priority room unit stops operating.

Priority during powerful operation

When the priority room is operating in powerful mode, cooling or heating capacities from other indoor units may be temporarily reduced to shift room capacities to the prioritized room.

Quiet operation priority

Quiet operation for the outdoor unit can be initiated by a single command from the priority room controller.

			Outdoor Unit			
	Product Image	Model Number	2MXS18GVJU	3MXS24JVJU	4MXS32GVJU	RMXS48LVJU
Wall Mounted		CTXS07LVJU	•	•	•	•
		CTXS09HVJU	•	•	•	•
		CTXS12HVJU		•	•	•
		FTXS15LVJU		•	•	•
		FTXS18LVJU		•	•	•
		FTXS24LVJU				•
Ducted		FDXS09LVJU	•	•	•	•
		FDXS12LVJU		•	•	•
		CDXS15LVJU		•	•	•
		CDXS18LVJU		•	•	•
		CDXS24LVJU				•
Cassette		FFQ09LVJU	•	•	•	•
		FFQ12LVJU		•	•	•
		FFQ15LVJU		•	•	•
		FFQ18LVJU		•	•	•

• Official combination

2MXS 3MXS / 4MXS

Up to

19.5 SEER

9.3 HSPF

Flexible, powerful and energy efficient

Key features include:

- Ability to connect up to four indoor units to a single outdoor unit.
- Energy efficient systems.
- Reduced installation space.
- Long piping lengths up to 230 ft.
- Up to 131 ft. of pre-charged refrigerant.

2MXS18GVJU and 3MXS24JVJU in non ducted combinations are Energy Star rated and qualify for the Energy Tax Extenders of The American Taxpayers Relief Act of 2012.

Outdoor Units				
Model Name		2MXS18GVJU	3MXS24JVJU	4MXS32GVJU
Maximum Capacity	Btu/h	18,000	24,000	30,600
Power Supply	V/ph/Hz	208-230/1/60		
Minimum Circuit Amps	A	11.1	17.8	18.0
Maximum Overcurrent Protection	A	20.0	20.0	20.0
Sound Pressure - (Cooling/Heating)	dB(A)	50/51	52/54	52/54
Operating Range - Cooling	°F DB	14 - 115	14 - 115	14 - 115
Operating Range - Heating	°F DB	0 – 77	0 – 77	0 – 77
Max. Piping Length	ft.	164	230	230
Max. Piping Height	ft.	82	82	82
Max. Piping Height	ft.	49.2	49.2	49.2
Dimensions (H x W x D)	in.	28-15/16 x 32-1/2 x 11-13/16	30-5/16 x 35-7/16 x 12-5/8	
Net Weight	lbs.	139.0	168.0	168.0

Certified Efficiency Performance Values										
System	AHRI Number	Combined With	Nominal Cooling Capacity	EER	SEER	Nominal Heating Capacity	COP	Low Heating Capacity	COP	HSPF
			Btu/h	95 °F		Btu/h	47 °F	Btu/h	17 °F	
2MXS18GVJU	3059249	Non Ducted Indoor Unit	18,000	12.60	19.50	22,000	3.40	13,500	2.70	9.20
	3059247	Ducted Indoor Unit	16,000	9.00	13.00	22,000	2.90	13,100	2.20	7.70
	3059248	Mixed Ducted and Non Ducted Indoor Unit	17,000	10.80	16.30	22,000	3.15	13,300	2.45	8.50
3MXS24JVJU	3697115	Non Ducted Indoor Unit	24,000	12.50	16.60	30,000	3.20	19,300	3.20	9.00
	3699491	Ducted Indoor Unit	23,400	9.70	13.00	29,000	2.70	18,100	2.70	7.70
	3759750	Mixed Ducted and Non Ducted Indoor Unit	23,600	11.10	14.80	29,400	2.95	18,600	2.95	8.35
4MXS32GVJU	3059253	Non Ducted Indoor Unit	30,600	10.30	17.20	32,000	3.40	22,200	2.30	9.30
	3059251	Ducted Indoor Unit	29,000	8.40	13.30	30,400	3.00	21,000	2.10	7.90
	3059250	Mixed Ducted and Non Ducted Indoor Unit	29,800	9.35	15.25	31,200	3.20	21,600	2.20	8.60

* Per AHRI, the certified ratings for variable-speed, multi-split systems are valid for all combinations of indoor units (based on combination types) with the specific outdoor unit listed above and in the AHRI Directory of Certified Equipment. Visit www.AHRIDirectory.org for further details and independent verification.

Super Multi PLUS Systems

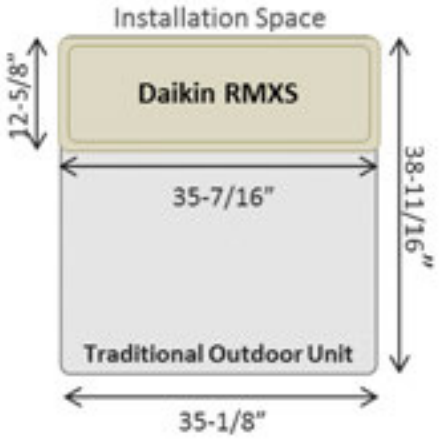
Daikin's **4 ton (48,000 Btu/h) 8 Zone** Super Multi PLUS heat pump split system extends the multi-split range and offers high efficiency and greater flexibility for larger spaces with the ability to connect from **2 to 8 indoor units** to a single outdoor unit. A variety of indoor units are available to match the décor of each room while offering individual room control for a multiple room or whole house comfort solution.

Design Flexibility

The Super Multi PLUS is a High Efficiency solution with optimum flexibility. The system offers comfortable zoning capabilities with the ability to connect up to 8 indoor units with ease utilizing long pipe lengths, standardized line-sets, simplified electrical requirements and staged installations.

Space Saving Design

Daikin's Super Multi Plus offers more than 60% in physical space savings and more than 80% in total (including clearances) space savings compared to conventional outdoor units—providing a streamlined solution for limited spaces.



Simplified Wiring

The outdoor unit and BP units operate from separate 208/230V single-phase power supplies. Indoor units are powered from the BP unit and wired as Daikin's current 4 wire single split systems reducing the wiring size and easing installation

Installation Ease

Longer refrigerant piping capabilities offers much more flexibility in the choice of installation positions for the indoor units, and greatly simplifies system layout.

RMXS

Up to

18.8 SEER
11.3 HSPF

SUPER MULTI PLUS

Superior flexibility with multi zone customization

Key features include:

- Zone customization with the ability to connect from 2 up to 8 indoor units to a single outdoor unit.
- Increased energy savings with technologically advanced components and inverter technology.
- Superior flexibility with the choice of three indoor unit types for ideal comfort designed for any décor.
- Individual zone control with standard wireless controls, optional wired controls, or the new Daikin ENVi intelligent thermostat.

Branch Port Unit (BPMKS)

The Branch Port (BP) unit varies the refrigerant volume to meet the cooling or heating requirements. It's easy to disassemble and makes repairs and recycling simple. Choose from 2-zone or 3-zone BP units to match the system selection to individual requirements.

BPMKS

Outdoor Units – RMXS48LVJU		
Model Name		RMXS48LVJU
Nominal Capacity (Cooling / Heating)	Btu/h	48,000 / 54,000
SEER / HSPF	Non Ducted	18.8 / 11.3
	Mixed	16.5 / 10.5
	Ducted	14.1 / 9.6
EER / COP	Non Ducted	10.3 / 3.0
	Mixed	9.8 / 2.9
	Ducted	9.3 / 2.7
Power Supply		208/230V - 1Ø - 60Hz
Minimum Circuit Amps	A	27.0
Maximum Overcurrent Protection	A	30.0
Sound Pressure - (Cooling/Heating)	dB(A)	56 / 58
Connection Ratio (Max Capacity for BPMKS Boxes)		50 - 130%
Number of Connectable Indoor Units		2 to 8
Number of Connectable BP Units		1 to 3
Total System Piping Length	ft. (m)	440 (135)
Piping Connection Kit		KHRP26A22T
Operating Range – (Cooling/Heating)	°F DB	23 – 115/5 - 75
Dimensions (H x W x D)	in.	52-15/16 x 35-7/16 x 12-5/8
Net Weight	lbs.	283.0

BP Units					
Model Name				BPMKS048A2U	BPMKS049A3U
Power Supply				Single phase 60Hz 208/230V	
Power Consumption			W	10	10
Running Current			A	0.05	0.05
Sound Pressure - (Cooling/Heating)			dB(A)	32/32	32/32
Number of Connectable Indoor Units				1 to 2	1 to 3
Min. Connection Combination				7,000	7,000
Max. Connection Combination				48,000	62,000
Piping Connections (O.D.)	Liquid	Outdoor Unit Side	in.	Ø 1/4 x 2	Ø 1/4 x 3
		Indoor Unit Side	in.	Ø 1/4 x 2	Ø 1/4 x 3
	Gas	Outdoor Unit Side	in.	Ø 5/8 x 2	Ø 5/8 x 3
		Indoor Unit Side	in.	Ø 5/8 x 2	Ø 5/8 x 3
Dimensions (H x W x D)			in.	7-1/16 x 11-9/16 x 13-3/4	
Net Weight			lbs.	18.0	20.0

Nominal Conditions:

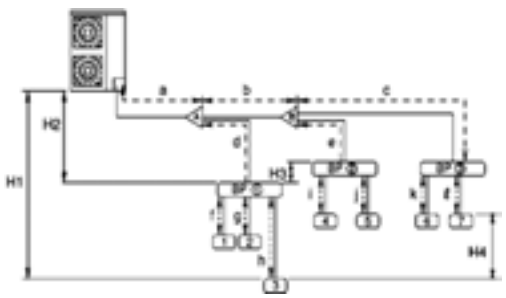
Cooling Mode
Indoor: 80 °F DB / 67 °F WB
Outdoor: 95 °F DB
Pipe Length: 25 ft.
Level Difference: 0 ft.

Heating Mode
Indoor: 70 °F DB
Outdoor: 47 °F DB / 43 °F WB
Pipe Length: 25 ft.
Level Difference: 0 ft.

Note:
Specifications are subject to change without notice

Longer Refrigerant Piping

Longer refrigerant piping capabilities offers much more flexibility in the choice of installation positions for the indoor units, and greatly simplifies system layout.



Piping Requirements			Allowable Length Details
Maximum allowable length	Between outdoor and BP units	Total piping length	Piping length between outdoor and BP units ≤ 180 ft (55 m) - [Example] a+b+c+d+e ≤ 180 ft
	Between BP and indoor units	Total piping length	Piping length between BP and indoor units: 262 ft (80 m) - [Example] f+g+h+i+j+k+l ≤ 262ft
	Between BP and indoor unit	1 room length	Piping length between BP and indoor unit ≤ 49 ft (15 m) - [Example] f, g, h, i, j, k, l ≤ 49 ft
Allowable height	Between outdoor and indoor units	Difference in height	Difference in height between outdoor and indoor units (H1) ≤ 98 ft (30 m)
	Between outdoor and BP units		Difference in height between outdoor and BP units (H2) ≤ 98 ft (30 m)
	Between BP and BP units		Difference in height between BP and BP units (H3) ≤ 49 ft (15 m)
	Between indoor and indoor units		Difference in height between indoor and indoor units (H4) ≤ 49 ft (15 m)
Minimum allowable length		Piping length	Pipe length between outdoor unit and first refrigerant branch kit (refnet joint) ≥ 16.4 ft [Example] a ≥ 16.4 ft
Allowable length after the REFNET branch			Piping length from first refrigerant branch kit (REFNET joint) to indoor unit ≤ 131 ft (40 m) [Example] unit 6: b+c+k ≤ 131 ft [Example] unit 5: b+e+j ≤ 131 ft [Example] unit 3: d+h ≤ 131 ft
Additional refrigerant calculation			$R = \left(\text{Total length (ft / m) of liquid piping size at Ø 3/8 inch (Ø 9.5mm)}\right) \times \text{0.036 lb./ft (0.054 kg/m)} + \left(\text{Total length (ft / m) of liquid piping size at Ø 1/4 inch (Ø 6.4mm)}\right)$

Slim Duct and Wall Mounted Units

Compatible with Multi-Split and Super Multi PLUS Systems

CDXS_LVJU
FDXS_LVJU

CTXS_HVJU / CTXS_LVJU
FTXS_LVJU

ARC452

BRC944B2
(Option)

(Option)

Slim in height and elegant in design.

Key features include:

- Extended range - connectable to 2-Port, 3-Port, 4- Port, and 8 Zone Multi-Split systems
- Increased energy savings with Econo Mode function reducing operating current and power consumption by approximately 30% during startup
- Achieve desired temperature quickly with rapid cooling or heating via powerful operation
- Undisturbed comfort with indoor operating sound levels as low as 31 dB(A)
- Sleep comfortably without a sudden change in room temperature by activating night set mode
- Enhanced indoor air quality realized with the mold proof air filter

Indoor Units - CTXS_HVJU, CTXS_LVJU, and FTXS_LVJU Wall Mounted Units								
Model Name			CTXS07LVJU	CTXS09HVJU	CTXS12HVJU	FTXS15LVJU	FTXS18LVJU	FTXS24LVJU
Outdoor Unit Compatibility			2MXS18GVJU 3MXS24JVJU 4MXS32GVJU RMXS48LVJU	2MXS18GVJU 3MXS24JVJU 4MXS32GVJU RMXS48LVJU	3MXS24JVJU 4MXS32GVJU RMXS48LVJU	3MXS24JVJU 4MXS32GVJU RMXS48LVJU	3MXS24JVJU 4MXS32GVJU RMXS48LVJU	RMXS48LVJU
Airflow-Wet (H/M/L/SL)		CFM	332/261/194/145	388/335/283/-	388/335/283/-	568/477/385/360	583/484/385/360	643/494/350/328
Airflow-Dry (H/M/L/SL)		CFM	350/290/233/219	400/357/314/-	400/357/314/-	593/505/417/371	625/526/431/399	699/572/445/403
Sound Pressure - Cooling (H/M/L/SL)		dB(A)	38/32/25/22	44/40/35/-	45/41/36/-	45/40/35/32	46/41/36/33	51/44/37/34
Sound Pressure - Heating (H/M/L/SL)		dB(A)	38/33/28/25	44/39/34/-	45/40/35/-	43/38/33/30	45/40/35/32	48/42/37/34
Piping Connections	Liquid (O.D.)	in.	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4
	Gas (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 3/8	Ø 1/2	Ø 1/2	Ø 5/8
	Condensate Drain Connection (O.D.)	in.	Ø 5/8	Ø 11/16	Ø 11/16	Ø 5/8	Ø 5/8	Ø 5/8
Dimensions (H x W x D)		in.	11-5/8 x 31-1/2 x 8-7/16	11-7/16 x 31-5/16 x 9-3/8		13-3/8 x 41-5/8 x 9-3/4		
Net Weight		lbs.	20.0	20.0	20.0	31.0	31.0	31.0

Indoor Units - FDXS_LVJU and CDXS_LVJU Slim Duct Units							
Model Name			FDXS09LVJU	FDXS12LVJU	CDXS15LVJU	CDXS18LVJU	CDXS24LVJU
Outdoor Unit Compatibility			2MXS18GVJU 3MXS24JVJU 4MXS32GVJU RMXS48LVJU	3MXS24JVJU 4MXS32GVJU RMXS48LVJU	3MXS24JVJU 4MXS32GVJU RMXS48LVJU	3MXS24JVJU 4MXS32GVJU RMXS48LVJU	RMXS48LVJU
External Static Pressure		"W.G.	0.12	0.12	0.16	0.16	0.16
Airflow-Wet (H/M/L/SL)		CFM	305/280/260/235	305/280/260/235	424/388/353/297	424/388/353/297	424/388/353/297
Airflow-Dry (H/M/L/SL)		CFM	305/280/260/235	305/280/260/235	424/388/353/297	424/388/353/297	424/388/353/297
Sound Pressure - Cooling (H/M/L/SL)		dB(A)	35/33/31/-	35/33/31/-	37/35/33/31	37/35/33/31	37/35/33/31
Sound Pressure - Heating (H/M/L/SL)		dB(A)	35/33/31/-	35/33/31/-	37/35/33/31	37/35/33/31	37/35/33/31
Piping Connections	Liquid (O.D.)	in.	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4
	Gas (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 1/2	Ø 1/2	Ø 1/2
	Condensate Drain	in.	Ø 25/32	Ø 25/32	Ø 25/32	Ø 25/32	Ø 25/32
Dimensions (H x W x D)		in.	7-7/8 x 27-9/16 x 24-7/16		7-7/8x35-7/16x24-7/16		

2’ X 2’ Ceiling Cassette

Compatible with Multi-Split and Super Multi PLUS Systems

FFQ_LVJU

BRC1E72
(Option)

BRC7E830
(Option)

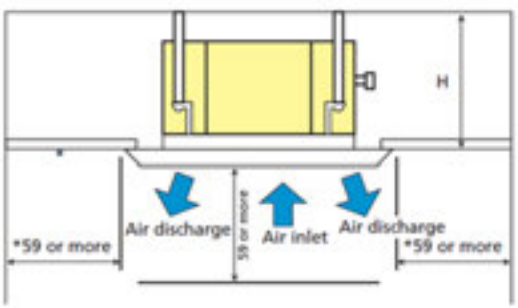
Customizable Comfort in a Compact design.

Key features include:

- Efficient airflow distribution with vertical auto-swing
- Customizable comfort with 5 freely selected airflow patterns between 0 and 40 degrees
- Comfort without a disturbance with whisper quiet operation
- Draught free operation with horizontal air discharge
- Seamless architectural design with the ability to sit flush into ceilings
- Flexible design with capacity ranges from 9,000 Btu/h to 18,000 Btu/h

Indoor Units - FFQ_LVJU 2’x2’Duct Units						
Model Name			FFQ09LVJU	FFQ12LVJU	FFQ15LVJU	FFQ18LVJU
Outdoor Unit Compatibility			2MXS18GVJU 3MXS24JVJU 4MXS32GVJU RMXS48LVJU	3MXS24JVJU 4MXS32GVJU RMXS48LVJU	3MXS24JVJU 4MXS32GVJU RMXS48LVJU	3MXS24JVJU 4MXS32GVJU RMXS48LVJU
Cooling Capacity (Nominal)		Btu/h	9,500	12,000	15,000	18,000
Heating Capacity (Nominal)		Btu/h	11,100	14,000	17,500	21,000
Power Supply			Single phase 60Hz 208/230V			
Airflow Rate (H/L)		CFM	318/230	353/230	424/283	530/353
Sound Pressure - Cooling (H/L)		dB(A)	36/29	38/29	42/31	46/37
Sound Pressure - Heating (H/L)		dB(A)	36/29	38/29	42/31	46/37
Piping Connections	Liquid (O.D.)	in.	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4
	Gas (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 1/2	Ø 1/2
	Condensate Drain (O.D.)	in.	Ø 1-1/32	Ø 1-1/32	Ø 1-1/32	Ø 1-1/32
Dimensions – Unit (H x W x D)		in.	11-1/4 x 22-5/8 x 22-5/8			
Dimensions – Deco Panel (H x W x D)		in.	2-1/4 x 27-5/8 x 27-5/8			
Net Weight		lbs.	38.5	38.5	38.5	38.5

Installation Space

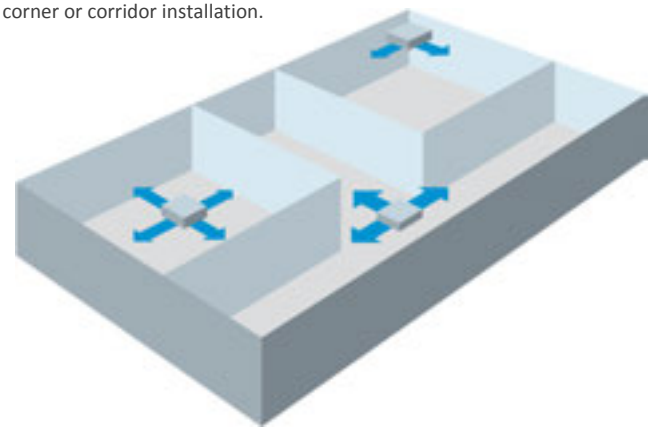


Height = 11.6”
or more

(Note) Leave 7-7/8 or more space where marked with the *,
on sides where the air outlet is closed.

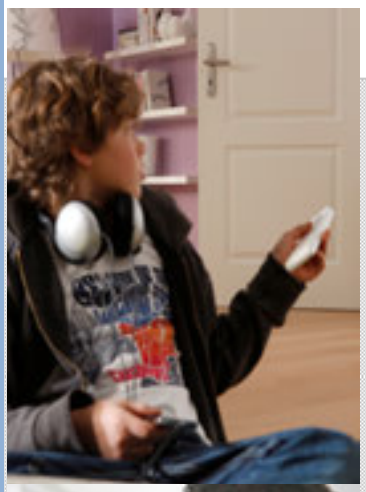
Design Flexibility

Four-way directional airflow and easy adjustments
for corner or corridor installation.



Split Systems Individual Zone Controls

With Daikin's super-intelligent, user-friendly system controllers, you can create Absolute Comfort™ quickly and easily. Their advanced functionality and easy-to-read liquid crystal displays (LCDs) allow you to orchestrate and monitor temperature, time, airflow volume and more across your entire system at the touch of button.

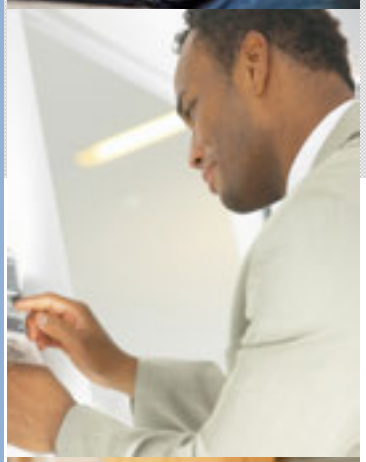


Wireless Remote Controller – ARC452

This remote controller puts superior comfort at your fingertips. Frequently used buttons are instantly accessible while other buttons are under the cover of the remote. A large liquid crystal display panel makes it easy to read the settings and the On/Off button has a raised dot so that you can feel it in the dark.

Wired Remote Controller – BRC944B2 (Option)

This wired remote controller option is for Single-split, Multi-split, Super Multi PLUS, and SkyAir FTXS system indoor units which ARC452 wireless remote controller is applicable. The controller features on/off, operation mode (Cool, Heat, Dry, Auto), setpoint adjustment, fan speed adjustment, airflow direction adjustment, one-time daily timer. Fahrenheit/Celsius is selectable.



Quaternity Wireless Remote Controller – ARC447A3

This infra-red remote controller displays an abundance of functions such as ambient temperature and room temperature to set your Quaternity™ System exactly to your liking.

Wireless Remote Controller – BRC7E830 (Option)

This infra-red remote controller, for use with 2' X 2' Ceiling Cassette FFQ indoor unit, features fan speed control, temperature settings, and program dry operation.

Navigation Remote Controller – BRC1E72 (Option)

This remote controller is compatible with the new 2' X 2' Ceiling Cassette FFQ indoor unit. The configurable display offers 3 options with an advanced display great for residential applications and a simplified display ideal for applications such as hotels wanting to only provide the necessary buttons to users for comfort without confusion.

Daikin ENVi Intelligent Thermostat

DACA-TS1-1

The Daikin ENVi Intelligent Thermostat is the newest addition to Daikin's residential controls offering. The wall mounted controller features a backlit LCD display and easy to understand menu items to be used where the BRC944 wired controller is applicable.

Can be used with:

- Single split system - all indoor units except Quaternity (FTXG)
- Multi-split system - all indoor units except 2' X 2' Ceiling Cassette (FFQ)
- Super Multi PLUS system – CTXS, FTXS, CDXS, FDXS indoor units
- SkyAir system – FTXS indoor unit

Function

- Cool, Heat, and Auto modes with dual setpoints.
- Weekly scheduling for residential use.
- Setback control.
- Optimum start.
- Hold, Quick save, and Vacation settings.
- Fan On/Auto, Fan speed, and Louver direction.
- Error code with plain text explanation.
- WiFi enabled.
- Dealer Web Portal.
- Aux heater control.

Available May 2013

WiFi enabled!

Accessible through PC web, Smart phone/Tablet

Dealer Web Portal (Alert Email and Trend Graph).

Display

- Standard display.
- Room temperature/relative humidity display.
- Outdoor temperature and weather forecast.

Other

- Backlit
- Fahrenheit/Celsius selectable.
- Current operation status.
- Room temperature sensor.

Daikin Altherma

Daikin Altherma is an eco-efficient air-to-water heat pump, hydronic system that provides an integrated solution for heating, cooling, and domestic hot water with solar thermal connectivity. With the ability to be combined with under floor heating, fan coil units, low temperature radiators, a domestic hot water tank, solar connectors, or a room thermostat, Daikin Altherma provides excellent flexibility and maximum year round comfort.

System Attributes

Daikin Altherma is a powerful solution with key benefits for the **environment**, enhanced **efficiency** and use in diverse **applications**.

Environment

1. All Equipment contains materials that are fully recyclable.
2. Daikin Altherma system inherent design and operational features mean effective tie in to Grid-Tied Solar PV (Low start up amps, operating amps, no locked rotor amps).
3. DHW Production via Optional/3rd Party Solar Thermal solution and using the "Aero Thermal" Daikin Altherma serving as the Auxiliary Solution.
4. A Heating and DHW solution with NO Localized CO2 emissions.

Efficiency

1. Enhanced energy savings via Inverter Compressor operation where energy consumption matches the load.
2. Further savings via the Outdoor Reset Function to control LWT depending on Ambient temperatures.
3. Operational efficiencies (COP up to 4.5) similar to or better than Geo-Thermal WSHP solutions, without the added cost of well drilling and land excavation.

Application

1. Excellent flexibility for the architect / designer to apply the Daikin Altherma system to suit any home design, scale or performance scope.
2. Unobtrusive and aesthetically pleasing complete Heating, Cooling and DHW solution.
3. Full utilization of hydronic circuit, thus small diameter piping, high heat transfer coefficient and comfort of Low Sound Level In-Floor Radiant, Low Velocity Fan Convectors or Radiators.

Components

Daikin Altherma consists of 5 components which work together to provide the ideal comfort and water temperature.

1. **Outdoor Unit: An efficient use of energy from the air**

Utilizing a natural source of energy, the outdoor unit extracts heat from the outside air and transfers it through refrigerant piping to supply heating. Installed as a split system consisting of an outdoor compressor unit and hydrobox containing the hydronic components or a monobloc system with a single outdoor unit combining both the compressor and hydronic components, Daikin Altherma delivers an energy efficient system, compact and easily installed.

2. **Hydrobox: A "boiler" from a heat pump source**

The hydrobox heats the water that circulates through low temperature radiators, floor heating systems or fan coil units and provides domestic hot water. With optional cooling, the hydrobox has the ability to reverse the cycle to provide chilled water.

3. **Domestic Hot Water Tank: For low energy consumption**

Available in two sizes, the domestic hot water tank provides warm water primarily from the thermal energy from the outside air. With specially placed system components, a heat exchanger connected to the heat pump along with a supplemental electrical heating element to boost hot water temperature for any additional water heating needs, warm water is always provided with maximum energy efficiency.

4. **Solar Connection Kit:**

Averaged over a year, the sun delivers half of the energy needed to bring domestic hot water up to the desired temperature for free. By connecting a solar boiler to the Daikin Altherma system, rays are transferred into heat and stored in a water storage tank.

5. **Room Thermostat: For convenient temperature regulation**

With the wired room thermostat, the ideal temperature can be conveniently regulated easily and quickly.

Daikin Altherma System Options

	Split	MonoBloc
		
Capacity	Nominal 1.5 Ton to 4.5 Ton	Nominal 3.0 Ton to 4.5 Ton
Application	Heating and (optional) cooling Domestic hot water	Heating and (optional) cooling Domestic hot water
Configuration	Outdoor (compressor) unit Indoor (hydronic parts) unit	Outdoor unit (compressor and hydronic parts combined)
R-410A Refrigerant Piping	Between outdoor unit and indoor unit	Inside outdoor unit
H_2O Piping	Between indoor unit and indoor heating applicances	Between outdoor unit and heating terminal units
Installer's Advantages	No extra insulation of H_2O piping required to protect from freezing up	Only H_2O piping needed to install the system
Connectable Heating Emitters	Under floor heating Low temperature radiators Fan coil units Heat pump convector	Under floor heating Low temperature radiators Fan coil units Heat pump convector
Combinable With	Domestic hot water storage tank Solar thermal connection for hot water production Third party thermostats	Domestic hot water storage tank Solar thermal connection for hot water production Third party thermostats

Split System Specifications

Split System

Indoor Unit				EKHB_030BA_VJU	EKHB_054BA_VJU
 EKHB___BA	Dimensions	HxWxD	in.	36 5/16 x 19 3/4 x 14 7/32	36 5/16 x 19 3/4 x 14 7/32
	Leaving Water Temp Range	Heating	°F (°C)	(59) 77 - 131* ((15) 25 - 55)	(59) 77 - 131* ((15) 25 - 55)
		Cooling	°F (°C)	41 - 71.6 (5 - 22) (If using EKHBX030)	41 - 71.6 (5 - 22) (If using EKHBX054)
	Water Volume		gal.	0.18	0.26
	Water Flow Rate Min./Max		GPM	3.17/11.09	4.23/15.32
	Back Up Heater Power Supply			208-230V/1Ph/60Hz	208-230V/1Ph/60Hz
	Single Stage Back Up Heater (BA3VJU)	Capacity	kW	3kW	3kW
		MCA	A	14.3 A	14.3 A
		MOP	A	20 A	20 A
	Two Stage Back Up Heater (BA6VJU)	Capacity	kW	6kW	6kW
		MCA	A	28.6 A	28.6 A
		MOP	A	30 A	30 A

Outdoor Unit				ERLQ018BAVJU	ERLQ024BAVJU	ERLQ030BAVJU	ERLQ036BAVJU	ERLQ048BAVJU	ERLQ054BAVJU
 ERLQ018,024,030BA  ERLQ036,048,054BA	Nominal capacity	Heating	Btu/h	19,620	23,340	28,760	38,200	47,800	54,600
		Cooling	Btu/h	24,570	27,840	28,560	47,600	59,100	60,600
	COP			4.25	4.12	3.81	4.55	4.42	4.18
	EER			10.41	9.7	9.33	12.4	10.2	8.9
	Dimensions (Net)	HxWxD	in.	28-9/10 x 32-1/2 x 11-8/10			46 1/6 x 35 7/16 x 12 5/8		
	Operation range	Heating	°F (°C)	-4 - 77 (-20 - 25)			-4 - 95 (-20 - 35)		
		Cooling	°F (°C)	50 - 110 (10 - 43)			50 - 114.8 (10 - 46)		
		DHW	°F (°C)	-4 - 110 (-20 - 43)*			-4 - 109.4 (-20 - 43)		
	Refrigerant Piping	Min	ft.	10	10	10	16.4	16.4	16.4
		Max	ft.	98	98	98	246	246	246
		Height	ft.	66	66	66	98.4	98.4	98.4
	Power Supply			208-230V/1Ph/60Hz					
	MCA		A	18			18		
	MOP		A	20			30		

Measuring conditions: Heating Ta DB/WB 44.6°F/42.8°F (7/6°C) - LWC 95°F (35°C) (DT=9°F (5°C)
- Cooling Ta 95°F (35°C) - LWE 64.4°F (18°C) (DT=9°F (5°C)
* Booster heater operation from 95°F (35°C) onwards
(1) These conditions are based on under floor heating/cooling application

Optional Fan Coil Unit

	Model Number			EFWT024	EFWT036	EFWT048	EFWT060
 EFWT___A	Nominal Capacity	Heating	Btu/h	25,000	34,800	50,200	60,900
		Cooling (T)	Btu/h	28,600	32,000	42,700	52,400
		Cooling (S)	Btu/h	22,400	25,800	34,700	42,400
	Dimensions	HxWxD	in.	40x20x20	40x23x20	48x21-1/4x28	
	Nominal Air Flow Rate		CFM	800	1200	1600	1825
	EWT Range	Heating	°F (°C)	100 - 125 (37 - 52)			
		Cooling	°F (°C)	42 - 50 (5 - 10)			
	Nominal Water Flow Rate		gpm	4.5	6	8	10
	Nominal Pressure Drop		Ft Hd	5.5	5.5	5.4	7.9
	Electrical	AEVLU (ECM)	Power	120V/1Ph/60Hz			
			MCA	6	10	14	15
			MOP	15	15	15	15
		APVLU (PSC)	Power	120V/1Ph/60Hz			
			MCA	3.8	7.5	10	13.1
			MOP	15	15	15	15
		AEVJU (ECM)	Power	208-230V/1Ph/60Hz			
			MCA	3	4	6	9
			MOP	15	15	15	15
			E-Heat	5, 10kW	5, 10kW	15,20,25kW	15,20,25kW

Notes:
1. Cooling Capacity is based on 50°F Entering Water Temp and 80°F DB/67°F WB Entering Air Conditions.
2. Heating Capacity is based on 110°F Entering Water Temp and 70°F DB Entering Air Conditions.
3. Refer to detailed capacity tables for further information pertaining to the entire entering water temperature range and for flow rates and pressure drop.
4. Refer to engineering data book for further information on electric heat options.
5. Std efficiency models with PSC motor are available on request.

Optional Domestic Hot Water

	Model Number		EKHWS050	EKHWS080
 EKHWS___BA3	Water volume	gal.	52.8	79.2
	Max. water temperature	°F	185	
	Max. water pressure	PSI	145	
	Insulation (Polyurethane foam) Min. thickness	in.	39452	
	Height	in.	45-3/8	63
	Diameter	in.	22-7/8	
	Booster heater	kW	3	
	MCA	A	14.3	
	MOP	A	20	
	Power supply		208-230V/1Ph/60Hz	
	Material inside tank		Stainless steel (DIN 1.4521) - 316L	
	Material outside casing		Epoxy-coated mild steel	

Options available on both Split System and MonoBloc systems.

MonoBloc Specifications

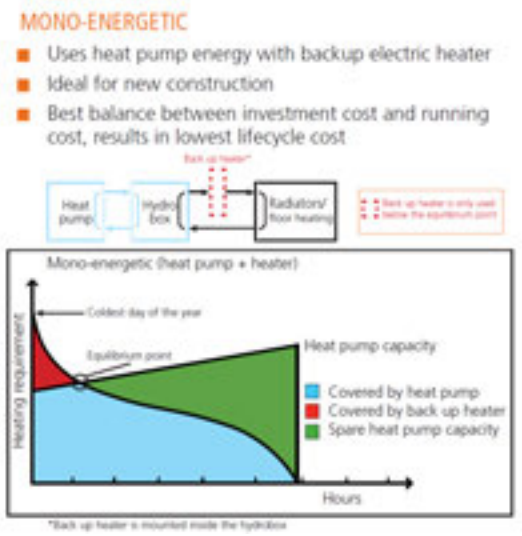
MonoBloc System

Outdoor Unit				Heating Only			Reversible (Heat Pump)		
 EDLQ036,048,054BA EBLQ036,048,054BA	Model Number	With bottom plate heater		EDLQ036BA	EDLQ048BA	EDLQ054BA	EBLQ036BA	EBLQ048BA	EBLQ054BA
	Nominal capacity	Heating	Btu/hr	38,200	47,700	54,600	38,200	47,700	54,600
		Cooling	Btu/hr	-	-	-	43,800	54,500	57,000
	COP			4.32	4.2	4.07	4.32	4.2	4.07
	EER			-	-	-	11.21	9.42	8.88
	Operation range	Heating	°F (°C)	5 - 95 (1) (-15 - 35)			5 - 95 (1) (-15 - 35)		
		Cooling	°F (°C)	-			50 - 114.8 (10 - 46)		
		Domestic water	°F (°C)	5 - 95 (1)(2) (-15 - 35)			5 - 95 (1)(2) (-15 - 35)		
	Power supply			208-230V/1Ph/60Hz			208-230V/1Ph/60Hz		
	MCA		A	28.6			28.6		
	MOP		A	30			30		
	Dimensions (Net)	HxWxD	in.	55 27/32 x 56 1/2 x 15 1/32			55 27/32 x 56 1/2 x 15 1/32		
	Leaving Water Temperature Range	Cooling	°F (°C)	N/A			41 - 71.6 (5 - 22)		
	Water side Heat exchanger	Water volume	gal.	0.27			0.27		
		Water flow rate Min./Max	GPM	4.23 / 15.32			4.23 / 15.32		
		Water flow rate	Heat GPM	8.48	10.59	12.13	8.48	10.59	12.13
		Nom.	Cool GPM	N/A	N/A	N/A	9.72	12.13	12.68
	Factory mounted Back Up Heater	Capacity	kW	6			6		
		Capacity Steps		2			2		
		MOP		28.6			28.6		
		MCA		30			30		
		Power supply		208-230V / 1 / 60Hz			208-230V / 1 / 60Hz		

Measuring conditions: Heating Ta DB/WB 44.6°F/42.8°F (7/6°C) - LWC 95°F (35°C) - Cooling Ta 95°F (35°C) - LWE 64.4°F (18°C)
(1) E(D/B)L* models can reach -4°F (-20°C) but without capacity guarantee
(2) Booster heater operation from 95°F (35°C) onwards
(3) These conditions are based on under floor heating/cooling application
(4) For further information pertaining to the hydronic specs of the MonoBloc system, refer to the engineering databook

Optional Solar Kit

				EKSOLHWBAVJU
	Heat Exchanger	Pressure Drop	gal.	3.12
		Max. Inlet Temp	°F (°C)	230 (110)
		Heat Exchange Capacity	W/K	1,400
		Logarithmic Mean Temperature Difference (LMTD)	K	5
	Pump	Number of Speeds		3
		Power Input	W/K	46
	Water Circuit	Piping Connections Diameter	in.	3/4 FBSP
	Ambient Temperature	Max.	°F	95 (35)
		Min.	°F	33.8 (1)
	Power Supply			208-230V/1 ph/60 Hz
	Power Supply Intake			from indoor unit
	Dimensions (Net)	H x W x D	in.	30-1/32 x 12 x 10-1/32



Option List

	Model Number	Notes
Condensate Kit	EKHBDP	For Cooling Mode Applications
Digital I/O PCB	EKRP1HBAAU	Unit On/Off Alarm On/Off Solar Input
BSP to NPT Connection Adaptors	DACA-DHWRA-1	DHW Recirculation Loop 1/2"
	DACA-DHWTA-1	DHW Tank Inlet/Outlet 3/4"
	DACA-THXA-1	DHW He-Ex 1"
	DACA-3WVTA-1	3-Way Valave 1-1/4"
	DACA-3WVTH-1	3-Way Valve 1"
	DACA-HBA-1	EKHB_054 Hydrobox Inlet/Outlet 1-1/4"
	DACA-HBA-2	EKHB_030 Hydrobox Inlet/Outlet 1"
	DACA-HBA-3	EDLQ/EBLQ Inlet/Outlet 1-1/4"
	DACA-MP-1	DHW Tank Plug 3/4"
Wall Mounting Bracket for Condensing Unit	DACA-WB-3	Unit Weight - Up to 500 lbs.
3rd Party DHW Tank Connection Kit	DACA-DHW-KIT-1	For Tanks up to 119G

Currently there is no appropriate U.S. recognized testing and rating standard for technology that is of Air to Water design and can solve Hydronic Heating, Domestic Hot Water and Cooling requirements in a single packaged solution. As such, the U.S. Department of Energy (DOE) has issued Daikin with Waivers (Case number: CAC-024, as published from page no. 34,731 in the DOE Federal Register on June 18th, 2010, and Case number CAC-028 as published from page no. 11,438 in the DOE Federal Register on March 2nd, 2011) and assigned an "Alternate Test Procedure" detailing testing requirements to establish full load COP and EER values and provision for calculating the Seasonal Performance Factor (SPF).

SkyAir Systems

SkyAir is the ultimate ducted and duct free solution for light commercial and residential whole house applications. Ranging from 18,000 Btu/h to 42,000 Btu/h, these innovative systems provide energy efficiency, technological reliability and installation flexibility.

Key features and benefits include:

- DC fan motor improves efficiency compared to conventional AC motors.
- Aero spiral fan and grille minimizes turbulence and increases sound reduction.
- Reluctance brushless DC compressor increases efficiency.
- Swing compressor with friction reduction and quieter rotation or scroll compressor with robust and low sound design provides maximum durability.
- Long piping lengths up to 230 ft. allow layout flexibility.
- Anti-corrosion treatment on the outdoor heat exchanger increases durability.

These one-to-one systems offer connectivity with a variety of indoor units for a simple solution for almost any application.

Wall mounted units are compact and made with a sophisticated design to blend in discretely with any interior décor. These units feature wide angle louvers and auto-swing functions for comfortable airflow distribution.

DC Ducted units offer a low profile design for an easily concealed look. At less than 12” in height, these built-in systems provide a powerful solution for any small to mid-size application.

Round flow ceiling cassettes provide an elegant and customizable solution ideal for open plan applications. Easily cleaned with airflow flexibility, systems are a low maintenance option for all around comfort.

Ceiling suspended units have a slim and elegant design for open or structured applications. With wide air openings and an innovative stream fan, operation is quiet and comfortable throughout the entire space.

Daikin’s inverter ducted units are a cost-effective, space-saving alternative to traditional systems. These systems are designed for quiet operation with superior heating capabilities.

SkyAir Features

		SkyAir					
Type		**Cool Only and Heat Pump**					
Models		FTXS	FAQ	FBQ	FCQ	FHQ	FTQ
	Pulse Amplitude Modulation	●	●	●	●	●	●
Comfortable Airflow	Power Airflow Dual Flaps	●					
	Wide Angle Louvers	●					
	Vertical Auto Swing (up and down)	●	●		●	●	
	Horizontal Auto Swing (left and right)	●					
	3 D Airflow	●					
	Comfortable Mode	●					
Comfort Control	Indoor Unit Quiet Operation	●					
	Outdoor Unit Quiet Operation	●	●	●	●	●	●
	Intelligent Eye	●					
	Automatic Operation (heat pump only)	●	●	●	●	●	●
	Program Dry Function	●	●	●	●	●	●
	Auto Fan Speed	●					
	Hot Start (heat pump only)	●	●	●	●	●	●
Healthy	Mold Proof Air Filter	●	●	●	●	●	●
	Titanium Apatite Photocatalytic Air Purifying Function	●					
	Wipe Clean Flat Panel	●					
Lifestyle	Standby Electricity Saving	●					
	Econo Mode	●					
	Powerful Operation	●					
	Remote Controller with Backlit Display	●	◆	◆	◆	◆	◆
	LCD Wireless Remote Control	●	○	○		○	
	Indoor Unit On/Off Timer	●	●	●	●	●	●
Timers	24 Hour On/Off Timer	●	●	◆	◆	◆	◆
	Weekly Timer	●	◆	◆	◆	◆	◆
	Night Set Mode	●	◆	◆	◆	◆	◆
Worry Free	Auto Restart After Power Failure	●	●	●	●	●	●
	Self Diagnosis with Digital Display	●	●	●	●	●	●
	Anticorrosion Treatment of Outdoor Heat Exchanger Fin	●	●	●	●	●	●

● Standard Feature ○ Optional Feature ◆ With BRC1E71 Controller

Wall Mounted Unit

RZQ_PVJU9
RZR_PVJU

FAQ_PVJU

BRC1E72
(Option)

BRC7E818
(Option)

Sleek in design with comfort control features.

Key features include:

- Energy efficiency up to SEER 18.6 and HSPF 9.1
- Wide angle louvers distribute comfortable airflow
- Auto-swing function ensures efficient air distribution
- Front panel can be removed for easy cleaning
- Quiet operation as low as 37 dB(A)
- Optional wireless controller
- Optional wired controller
- Optional condensate pump

SkyAir

System Performance				
Model Name	Indoor (Cooling Only and Heat Pump)		FAQ18PVJU	FAQ24PVJU
	Outdoor (Cooling Only)		RZR18PVJU	RZR24PVJU
	Outdoor (Heat Pump)		RZQ18PVJU9	RZQ24PVJU9
Cooling Capacity (Rated)		Btu/h	18,000	24,000
Heating Capacity (Rated)		Btu/h	20,000	26,000
SEER			18.6	17.6
EER			12.7	10.2
HSPF*			8.7	9.1
Power Supply		V/ph/Hz	208-230V/1/60	
Minimum Circuit Amps		A	16.5	16.5
Maximum Overcurrent Protection		A	20.0	20.0
Power Consumption - Cooling		W	1,420	2,350
Power Consumption - Heating*		W	1,870	3,300
Indoor Units - FAQ_PVJU Wall Mount Units				
Model Name			FAQ18PVJU	FAQ24PVJU
Moisture Removal		gal/h	n/a	n/a
Airflow (H/L)		CFM	500/400	635/470
Sound Pressure - Cooling (H/L)		dB(A)	43/37	43/37
Sound Pressure - Heating (HL)*		dB(A)	43/37	43/37
Piping Connections	Liquid (O.D.)	in.	Ø 3/8	Ø 3/8
	Gas (O.D.)	in.	Ø 5/8	Ø 5/8
	Condensate Drain	in.	Ø 11/16	Ø 11/16
Dimensions (H x W x D)		Inch	11-3/8 x 41-3/8 x 9	
Net Weight		lbs.	31	31
Outdoor Units - RZR_PVJU Cooling Only and RZQ_PVJU9 Heat Pump				
Model Name	Cooling Only		RZR18PVJU	RZR24PVJU
	Heat Pump		RZQ18PVJU9	RZQ24PVJU9
Sound Pressure Level - Cooling/Heating*		dB(A)	49/49	49/49
Operating Range - Cooling		°F DB	23 - 115	23 - 115
Operating Range - Cooling with Optional Wind Baffle		°F DB	0 - 115	0 - 115
Operating Range - Heating*		°F DB	0 - 77	0 - 77
Operating Range - Heating*		°F WB	0 - 60	0 - 60
Max. Piping Length		ft.	164	164
Max. Piping Height		ft.	98	98
Dimensions (H x W x D)		in.	30-5/16 x 35-7/16 x 12-5/8	
Net Weight		lbs.	150	150

*Applicable to heat pump models only

Wall Mounted Unit

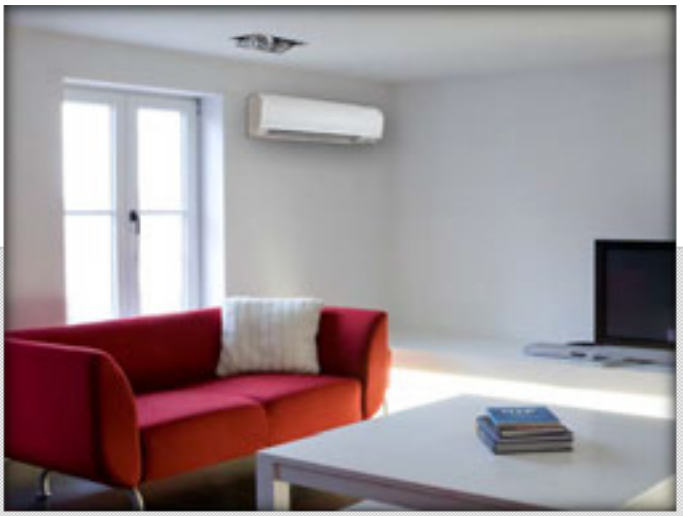
RXS_LVJU
RKS_LVJU

FTXS_LVJU

ARC444

BRC944B2
(Option)

(Option)



Sophisticated in design with energy saving features.

Key features include:

- Energy efficiency up to SEER 19.3
- Intelligent eye adjusts operation mode depending on occupancy, maximizing energy savings
- Wide angle louvers and 3-D airflow provide comfortable and efficient air distribution
- Titanium apatite photocatalytic air-purifying filter provides cleaner, healthier air
- Standby electricity saving feature reduces energy consumption by up to 90% when the system is not in use

SkyAir

System Performance				
Model Name	Indoor (Cooling Only and Heat Pump)		FTXS30LVJU	FTXS36LVJU
	Outdoor (Cooling Only)		RKS30LVJU	RKS36LVJU
	Outdoor (Heat Pump)		RXS30LVJU	RXS36LVJU
Cooling Capacity (Rated)		Btu/h	30,000	36,000
Cooling Capacity (Min – Max)		Btu/h	10,200 - 30,000	10,200 - 36,000
Heating Capacity (Rated)*		Btu/h	34,800	38,000
Heating Capacity (Min – Max)*		Btu/h	10,200 - 34,800	10,200 - 38,000
SEER / EER			19.3 / 10.71	17.9 / 8.37
HSPF*			8.3	8.3
Power Supply		V/ph/Hz	208-230V/1/60	
Minimum Circuit Amps		A	19.5	19.5
Maximum Overcurrent Protection		A	20.0	20.0
Power Consumption - Cooling		W	2,800	4,300
Power Consumption - Heating*		W	3,900	4,200
Indoor Units - FTXS_LVJU Wall Mounted Units				
Model Name			FTXS30LVJU	FTXS36LVJU
Airflow (H/M/L/SL)		CFM	706/611/519/473	770/635/519/473
Sound Pressure - Cooling (H/M/L/SL)		dB(A)	47/45/40/37	49/45/40/37
Sound Pressure - Heating (H/M/L/SL)*		dB(A)	47/44/38/35	49/44/38/35
Piping Connections	Liquid (O.D.)	in.	Ø 3/8	Ø 3/8
	Gas (O.D.)	in.	Ø 5/8	Ø 5/8
	Condensate Drain	in.	Ø 5/8	Ø 5/8
Dimensions (H x W x D)		in.	13-3/8 × 47-1/4 × 9-7/16	
Net Weight		lbs.	38.0	
Outdoor Units - RKS_LVJU Cooling Only and RXS_LVJU Heat Pump				
Model Name	Cooling Only		RKS30LVJU	RKS36LVJU
	Heat Pump		RXS30LVJU	RXS36LVJU
Sound Pressure Level - Cooling/Heating*		dB(A)	54/55	54/55
Operating Range - Cooling		°F DB	14 - 115	14 - 115
Operating Range - Cooling with Optional Wind Baffle		°F DB	0 - 115	0 - 115
Operating Range - Cooling with Optional Wind Baffle and Low Ambient Kit		°F DB	-40 - 115	-40 - 115
Operating Range - Heating*		°F DB	5 - 75	5 - 75
Operating Range - Heating with Optional Wind Baffle*		°F DB	0 - 75	0 - 75
Max. Piping Length		ft.	98.4	98.4
Max. Piping Height		ft.	65.6	65.6
Dimensions (H x W x D)		in.	38-15/16 × 37 × 12-5/8	
Net Weight		lbs.	179.0	179.0

*Applicable to heat pump models only

Ultra Low Ambient kit contains a code heater, crank case heater, and printed circuit board and can be installed on the following models only:			
Kit Model	**Outdoor Unit**	**Indoor Unit**	**Tons**
2F018535-1	RKS30LVJU	FTXS30LVJU	2.5
2F018535-2	RXS36LVJU	FTXS36LVJU	3.0

Optional outdoor unit wind baffle, KPW5E112, is required and sold separately.
Optional Code Heater: 208/230V 60Hz 7W Optional Crank Case Heater: 208/230V 60Hz 18W

DC Duct Concealed

RZQ_PVJU(9)
RZR_PVJU

FBQ_PVJU

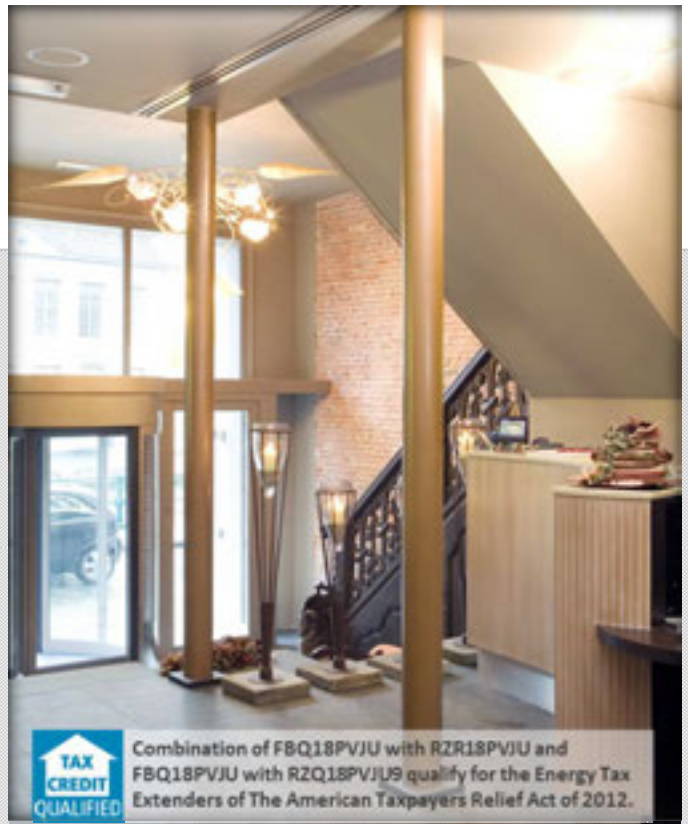
BRC1E72
(Option)

BRC4C82
(Option)

Powerful system in a compact design.

Key features include:

- Medium external static pressure (ESP) capabilities offer up to 0.8” W.G.
- DC fan motor provides improved efficiency
- Three user selected fan speeds available plus fan “Auto” logic
- Built-in condensate pump
- Bottom access for easy service
- Low profile design at less than 12” high
- Optional wired controller



System Performance							
Model Name	Indoor (Cooling Only and Heat Pump)		FBQ18PVJU	FBQ24PVJU	FBQ30PVJU	FBQ36PVJU	FBQ42PVJU
	Outdoor (Cooling Only)		RZR18PVJU	RZR24PVJU	RZR30PVJU	RZR36PVJU	RZR42PVJU
	Outdoor (Heat Pump)		RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU	RZQ36PVJU9	RZQ42PVJU9
Cooling Capacity (Rated)		Btu/h	18,000	24,000	30,000	36,000	42,000
Heating Capacity (Rated)		Btu/h	20,000	27,000	34,000	40,000	47,000
SEER			17.5	16.5	16.0	17.5	16.0
EER			14.1	12.0	10.5	11.2	10.2
HSPF*			10.6	10.5	9.2	9.1	8.8
Power Supply		V/ph/Hz	208-230/1/60				
Minimum Circuit Amps		A	16.5	16.5	16.5	27	27
Maximum Overcurrent Protection		A	20	20	20	30	30
Power Consumption - Cooling		W	1,280	2,000	2,860	3,210	4,120
Power Consumption - Heating*		W	1,540	2,330	3,020	3,350	4,050
Indoor Units - FBQ_PVJU DC Duct							
Model Name			FBQ18PVJU	FBQ24PVJU	FBQ30PVJU	FBQ36PVJU	FBQ42PVJU
Airflow (H/M/L)		CFM	635/582/529	688/618/565	882/794/706	1130/953/812	1377/1165/988
External Static Pressure		"W.G.	Standard 0.40 (0.80 - 0.20)				
Sound Pressure - Cooling (H/M/L)		dB(A)	41/39/37	42/40/38	43/41/39	43/41/39	44/42/40
Sound Pressure - Heating (H/M/L)*		dB(A)	41/39/37	42/40/38	43/41/39	43/41/39	44/42/40
Piping Connections	Liquid (O.D.)	in.	Ø 1/4	Ø 3/8	Ø 3/8	Ø 3/8	Ø 3/8
	Gas (O.D.)	in.	Ø 1/2	Ø 5/8	Ø 5/8	Ø 5/8	Ø 5/8
	Condensate Drain	in.	Ø 1-1/4	Ø 1-1/4	Ø 1-1/4	Ø 1-1/4	Ø 1-1/4
Dimensions (H x W x D)		Inch	11-13/16 x 39-3/8 x 27-9/16			11-13/16 x 55-1/8 x 27-9/16	
Net Weight		lbs.	80	80	80	102	102
Outdoor Units - RZR_PVJU Cooling Only and RZQ_PVJU(9) Heat Pump							
Model Name	Cooling Only		RZR18PVJU	RZR24PVJU	RZR30PVJU	RZR36PVJU	RZR42PVJU
	Heat Pump		RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU	RZQ36PVJU9	RZQ42PVJU9
Sound Pressure Level - Cooling/Heating*		dB(A)	49/49	49/49	49/49	58/58	58/58
Operating Range - Cooling		°F DB	23 - 115	23 - 115	23 - 115	23 - 115	23 - 115
Operating Range - Cooling with Optional Wind Baffle		°F DB	0 - 115	0 - 115	0 - 115	0 - 115	0 - 115
Operating Range - Heating*		°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
Operating Range - Heating*		°F WB	0 - 60	0 - 60	0 - 60	0 - 60	0 - 60
Max. Piping Length		ft.	164	164	164	230	230
Max. Piping Height		ft.	98	98	98	164	164
Dimensions (H x W x D)		in.	30-5/16 x 35-7/16 x 12-5/8			52-15/16 x 35-7/16 x 12-5/8	
Net Weight		lbs.	150	150	150	283	283

*Applicable to heat pump models only

Round Flow Cassette

RZQ_PVJU(9)
RZR_PVJU

FCQ_PAVJU

BRC1E72
(Option)

Customizable comfort ideal for open plan applications.

Key features include:

- 23 configurable airflow patterns ensure ideal air distribution for maximum comfort and savings
- 360° airflow reduces draft
- Lower air velocities provide better airflow distribution
- Stain resistant decoration panel allows for easy cleaning
- Condensate pump provided as standard
- Outside air integration possible
- Optional wired controller

SkyAir

System Performance							
Model Name	Indoor (Cooling Only and Heat Pump)		FCQ18PAVJU	FCQ24PAVJU	FCQ30PAVJU	FCQ36PAVJU	FCQ42PAVJU
	Outdoor (Cooling Only)		RZR18PVJU	RZR24PVJU	RZR30PVJU	RZR36PVJU	RZR42PVJU
	Outdoor (Heat Pump)		RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU	RZQ36PVJU9	RZQ42PVJU9
Cooling Capacity (Rated)		Btu/h	18,000	24,000	30,000	36,000	42,000
Heating Capacity (Rated)		Btu/h	20,000	27,000	34,000	40,000	47,000
SEER			17.2	16.8	15.8	17.5	16
EER			13.9	12.0	10.2	11.2	10.2
HSPF*			10.1	9.7	9.7	8.4	8.5
Power Supply		V/ph/Hz	208-230/1/60				
Minimum Circuit Amps		A	16.5	16.5	16.5	27.0	27.0
Maximum Overcurrent Protection		A	20.0	20.0	20.0	30.0	30.0
Power Consumption - Cooling		W	1,380	2,000	3,230	3,160	4,080
Power Consumption - Heating*		W	1,460	2,080	2,930	3,260	4,050
Indoor Units - FCQ_PVJU Roundflow Cassette							
Model Name			FCQ18PAVJU	FCQ24PAVJU	FCQ30PAVJU	FCQ36PAVJU	FCQ42PAVJU
Airflow (H/M/L)		CFM	560/470/390	780/620/470	830/670/530	1180/910/700	1220/970/790
Sound Pressure - Cooling (H/M/L)		dB(A)	32/30/27	36/32/28	38/35/31	44/38/32	45/40/34
Sound Pressure - Heating (H/M/L)*		dB(A)	32/30/27	36/32/28	38/35/31	44/38/32	45/40/34
Piping Connections	Liquid (O.D.)	in.	Ø 1/4	Ø 3/8	Ø 3/8	Ø 3/8	Ø 3/8
	Gas (O.D.)	in.	Ø 1/2	Ø 5/8	Ø 5/8	Ø 5/8	Ø 5/8
	Condensate Drain	in.	Ø 1-1/4	Ø 1-1/4	Ø 1-1/4	Ø 1-1/4	Ø 1-1/4
Dimensions (H x W x D)		in.	9-11/16 x 33-1/16 x 33-1/16			11-5/16 x 33-1/16 x 33-1/16	
Net Weight		lbs.	43.0	48.5	48.5	55.0	55.0
Outdoor Units - RZR_PVJU Cooling Only and RZQ_PVJU(9) Heat Pump							
Model Name	Cooling Only		RZR18PVJU	RZR24PVJU	RZR30PVJU	RZR36PVJU	RZR42PVJU
	Heat Pump		RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU	RZQ36PVJU9	RZQ42PVJU9
Sound Pressure Level - Cooling/Heating*		dB(A)	49/49	49/49	49/49	58/58	58/58
Operating Range - Cooling		°F DB	23 - 115	23 - 115	23 - 115	23 - 115	23 - 115
Operating Range - Cooling with Optional Wind Baffle		°F DB	0 - 115	0 - 115	0 - 115	0 - 115	0 - 115
Operating Range - Heating*		°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
Operating Range - Heating*		°F WB	0 - 60	0 - 60	0 - 60	0 - 60	0 - 60
Max. Piping Length		ft.	164	164	164	230	230
Max. Piping Height		ft.	98	98	98	164	164
Dimensions (H x W x D)		in.	30-5/16 x 35-7/16 x 12-5/8			52-15/16 x 35-7/16 x 12-5/8	
Net Weight		lbs.	150	150	150	283	283

*Applicable to heat pump models only

Ceiling Suspended

RZQ_PVJU(9)
RZR_PVJU

FHQ_PVJU
FHQ_MVJU

BRC1E72
(Option)

BRC7E83
(Option)

A slim solution for open or structured ceilings.

Key features include:

- Slim in height at less than 8”
- Auto-swing capability with 100° airflow pattern distributes comfortable airflow
- Innovative stream fan technology keeps sound pressure levels low
- Lateral servicing space allows installation in corners, narrow spaces, walls, and ceilings
- Flat panel design makes cleaning simple
- Concealed piping
- Optional wired controller
- Optional condensate pump

SkyAir

System Performance							
Model Name	Indoor (Cooling Only and Heat Pump)		FHQ18PVJU	FHQ24PVJU	FHQ30PVJU	FHQ36MVJU	FHQ42MVJU
	Outdoor (Cooling Only)		RZR18PVJU	RZR24PVJU	RZR30PVJU	RZR36PVJU	RZR42PVJU
	Outdoor (Heat Pump)		RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU	RZQ36PVJU9	RZQ42PVJU9
Cooling Capacity (Rated)		Btu/h	18,000	24,000	30,000	36,000	40,500
Heating Capacity (Rated)		Btu/h	20,000	27,000	34,000	37,500	39,500
SEER			18.0	18.1	17.2	14.0	13.8
EER			14.0	12.6	10.5	10.2	9.5
HSPF*			11.1	10.0	8.4	8.1	8.2
Power Supply		V/ph/Hz	208-230/1/60				
Minimum Circuit Amps		A	16.5	16.5	27	27	27
Maximum Overcurrent Protection		A	20	20	30	30	30
Power Consumption - Cooling		W	1,290	1,900	2,860	3,530	4,260
Power Consumption - Heating*		W	1,510	2,200	3,690	3,660	3,990
Indoor Units - FHQ_PVJU Ceiling Suspended							
Model Name			FHQ18PVJU	FHQ24PVJU	FHQ30PVJU	FHQ36MVJU	FHQ42MVJU
Airflow (H/L)		CFM	790/670	790/670	790/670	830/670	850/700
Sound Pressure - Cooling (H/L)		dB(A)	45/-	45/-	45/-	46/-	47/-
Sound Pressure - Heating (H/L)*		dB(A)	45/-	45/-	45/-	46/-	47/-
Piping Connections	Liquid (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 3/8	Ø 3/8	Ø 3/8
	Gas (O.D.)	in.	Ø 5/8	Ø 5/8	Ø 5/8	Ø 5/8	Ø 5/8
	Condensate Drain	in.	Ø 1	Ø 1	Ø 1	Ø 1	Ø 1
Dimensions (H x W x D)		in.	7-11/16 x 62-5/8 x 26-3/4				
Net Weight		lbs.	90	90	90	90	90
Outdoor Units - RZR_PVJU Cooling Only and RZQ_PVJU(9) Heat Pump							
Model Name	Cooling Only		RZR18PVJU	RZR24PVJU	RZR30PVJU	RZR36PVJU	RZR42PVJU
	Heat Pump		RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU	RZQ36PVJU9	RZQ42PVJU9
Sound Pressure Level - Cooling/Heating*		dB(A)	49/49	49/49	49/49	58/58	58/58
Operating Range - Cooling		°F DB	23 - 115	23 - 115	23 - 115	23 - 115	23 - 115
Operating Range - Cooling with Optional Wind Baffle		°F DB	0 - 115	0 - 115	0 - 115	0 - 115	0 - 115
Operating Range - Heating*		°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
Operating Range - Heating*		°F WB	0 - 60	0 - 60	0 - 60	0 - 60	0 - 60
Max. Piping Length		ft.	164	164	164	230	230
Max. Piping Height		ft.	98	98	98	164	164
Dimensions (H x W x D)		in.	30-5/16 x 35-7/16 x 12-5/8			52-15/16 x 35-7/16 x 12-5/8	
Net Weight		lbs.	150	150	150	283	283

*Applicable to heat pump models only

Inverter Ducted

RZQ_PVJU9

FTQ_PBVJU

BRC1E72
(Option)

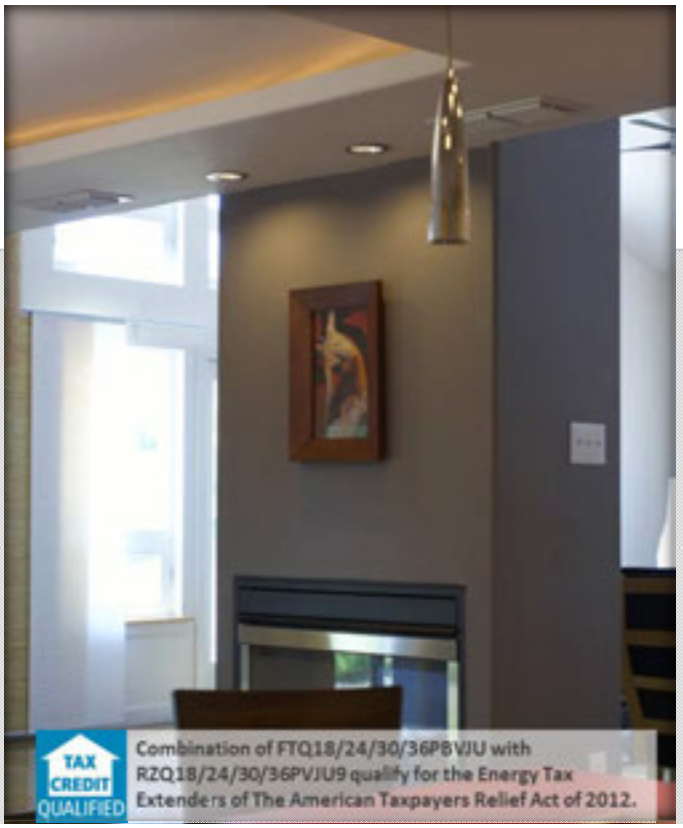
BRC4C82
(Option)

An intelligent alternative to traditional unitary systems.

Key features include:

- Up flow or horizontal right configurations for the indoor unit
- Energy efficiency up to SEER 20.0
- High heating capacity at low ambient temperatures as low as 0°F with no electrical heat
- Field-installed electric heater options available from 3 kW to 15 kW (electric heater connection kit part no. KER26A60 required for electric heat integration)
- Low outdoor unit sound levels (as low as 49 dB(A)) compared to traditional systems (73 dB(A))

SkyAir



System Performance							
Model Name	Indoor		FTQ18PBVJU	FTQ24PBVJU	FTQ30PBVJU	FTQ36PBVJU	FTQ42PBVJU
	Outdoor		RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU9	RZQ36PVJU9	RZQ42PVJU9
Cooling Capacity (Rated)		Btu/h	18,000	24,000	30,000	36,000	40,000
Heating Capacity (Rated)		Btu/h	20,000	27,000	34,000	40,000	47,000
SEER			20.0	19.0	19.5	18.0	17.0
EER			14.5	13.5	13.5	12.5	12.0
HSPF			12.0	11.5	10.0	9.5	9.0
COP			4.0	3.8	3.7	3.6	3.2
Power Supply		V/ph/Hz	208-230/1/60				
Minimum Circuit Amps		A	1.5	1.6	2.3	2.8	3.6
Maximum Overcurrent Protection		A	20.0		30.0		
Indoor Units - FTQ Unitary							
Model Name			FTQ18PBVJU	FTQ24PBVJU	FTQ30PBVJU	FTQ36PBVJU	FTQ42PBVJU
External Static Pressure		in. W.G.	Up to 0.50				
Airflow (H/M/L)		CFM	600/510/420	800/680/560	1,000/850/700	1,200/1,020/840	1,400/1,190/980
Piping Connections	Liquid (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 3/8	Ø 3/8	Ø 3/8
	Gas (O.D.)	in.	Ø 5/8	Ø 5/8	Ø 5/8	Ø 5/8	Ø 5/8
	Condensate Drain	in.	Ø 1	Ø 1	Ø 1	Ø 1	Ø 1
Dimensions (H x W x D)		in.	48-1/8 x 22 x 26		58-1/4 x 22 x 26		
Net Weight		lbs.	150.0		192.0		203.0
Outdoor Units - RZQ_PVJU9 Heat Pump							
Model Name			RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU9	RZQ36PVJU9	RZQ42PVJU9
Sound Pressure Level - Cooling/Heating		dB(A)	49/49	49/49	49/49	58/58	58/58
Operating Range - Cooling		°F DB	23 - 115	23 - 115	23 - 115	23 - 115	23 - 115
Operating Range - Heating		°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
Operating Range - Heating		°F WB	0 - 60	0 - 60	0 - 60	0 - 60	0 - 60
Max. Piping Length		ft.	98.0		230.0		
Max. Piping Height		ft.	98.0		164.0		
Dimensions (H x W x D)		in.	30-5/16 x 35-7/16 x 12-5/8		52-15/16 x 35-7/16 x 12-5/8		
Net Weight		lbs.	150.0		283.0		

Electric Heater Capacity						
Model Name	HKR-03	HKR-05C	HKR-06	HKR-08C	HKR-10C	HKR-15C
FTQ18PBVJU	O	●	●	X	X	X
FTQ24PBVJU	O	●	●	●	●	X
FTQ30PBVJU	O	O	●	●	●	X
FTQ36PBVJU	O	O	●	●	●	X
FTQ42PBVJU	O	O	O	O	●	●*

O Electric heater option with heat pump is allowed ● Electric heater option only. X Not allowed.
*Acceptable for 2-step control


Cool
74
Mode
On/Off

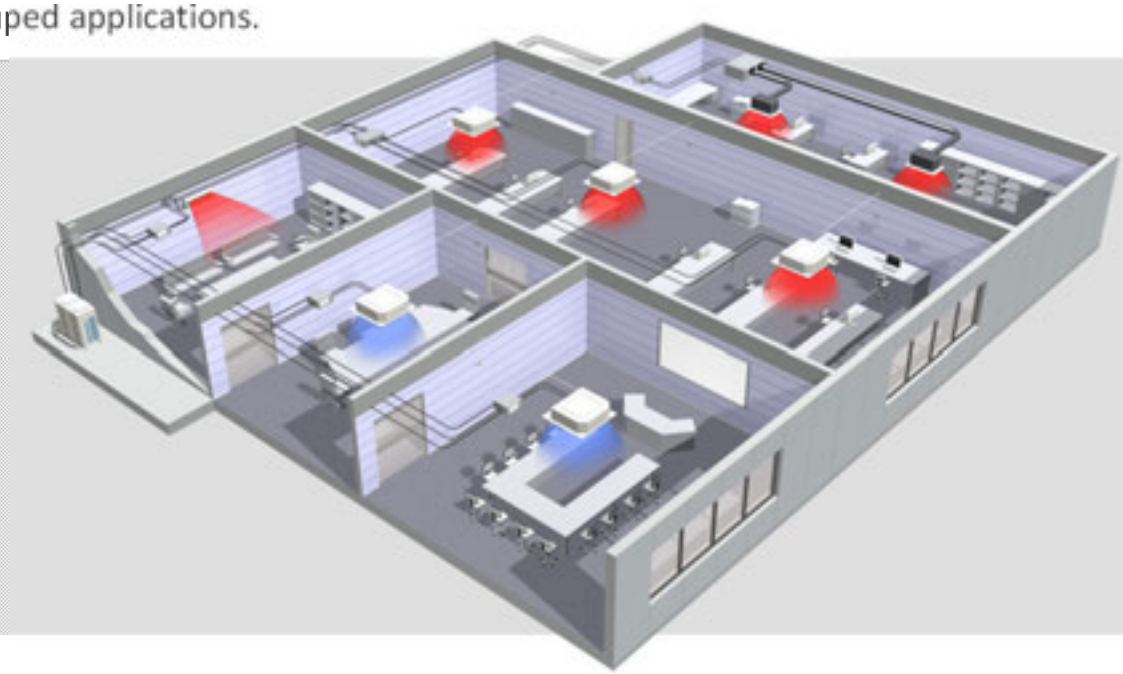
SkyAir Controls

Individual Zone Controllers					
	Model	Navigation Wired R/C BRC1E72 	Wireless R/C BRC7E818 BRC4C82 BRC7E83 	Wired R/C BRC944B2 	Wireless R/C For FTXS ARC452 
User Friendly	Backlit LCD Display	●			
	°F/°C Selector	●		●	●
	Intuitive Configuration Menu	●			
	Room Temperature Display	●			
	Temperature Sensor Included	●			
	Clock Display 12/24 Hour 24 Hour 24 Hour	12/24 Hour		24 Hour	
	English/French/Spanish	●			
Operation	Start/Stop	●	●	●	●
	Operation Mode	●	●	●	●
	Setpoint	Dual / Single	●	●	●
	Auto-changeover	Heat Pump			●
	Independent Cooling and Heating Setpoints	●			
	Setpoint Range Limitation	●			
	Setpoint Minimum Dead-band	0-8°F, Default 2°F			
	Setpoint Range	60° to 90°F (Independent Cool/Heat)	60° to 90°F	64° to 90°F	64° to 90°F
	Setback Unit Off	Range 40°-95°F (Out of Setpoint Range)			
	Permit/Prohibit Selection	Access Level + Individual Button Prohibit			
	Fan Speed	●	●	●	●
	Airflow Direction	●	●	●	●
Monitoring	Status	●	●	●	●
	Malfunction Flashing	●	●	●	●
	Malfunction Content	●	●	●	●
	Filter Sign	●			
	Operation Mode	●	●	●	●
	Setpoint	●	●	●	●
	Permit/Prohibit Selection	●			
	Fan Speed	●	●	●	●
	Airflow Direction	●	●	●	●
Scheduling	Weekly	●			●
	Actions Per Day	5 (Independent Cool/Heat setpoints)		2	4
	Scheduling Pattern	7-Day, 5+2, 5+1+1, 1 (EveryDay)			7-Day
	Auto On/Off Timer	●	●	●	●
Data	Error History	●			
	Backup During Power Loss	48 Hours			
Control Management	Field Setting Mode	●	●		
	7-Day Time Clock	●		●	●
	Setback Function	●			
	Auto Restart	●	●	●	●

Specifications of Cable for BRC1E72	
Type	2-conductor, stranded, non-shielded copper cable / PVC or vinyl jacket
Size	AWG18-2
Total Length	1,640 ft.

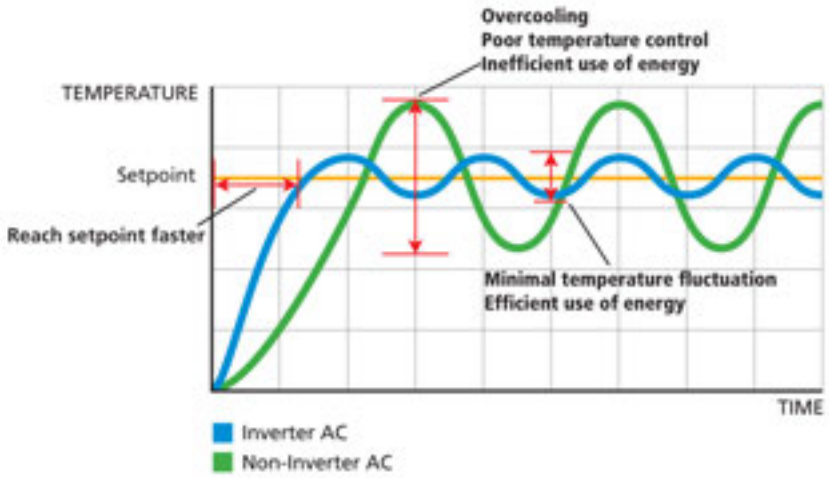
VRV Systems

VRV systems provide advanced solutions for almost any large residential to commercial application. Available in air-cooled or water-cooled solutions up to 30 tons in heat pump systems and 28 tons in heat recovery systems, VRVIII provides advanced heating and cooling options with individual zone control for both open plan and tightly grouped applications.



Technology for Complete Control

The VRV system integrates cutting-edge inverter technology for individual temperature and zone control. At the heart of the condensing unit is a high efficiency variable speed “inverter” compressor coupled with inverter fan motors for superior system part load performance. The compressor capacity is modulated automatically to maintain a constant suction pressure, while varying the refrigerant volume to precisely deliver cooling or heating load requirements.



Versatile Piping for Design Flexibility

Offering total “one-way” piping up to 1,000 ft. with the VRVIII-S, 980 ft. with the VRV-WIII and 3,280 ft. with the VRVIII in the complete piping network, systems reduce design constraints for maximum flexibility.

Features of VRV:

- Energy efficient, inverter “variable speed” compressors
- Individual zone control – up to 62 zones on a single piping network
- Long piping
- Large capacity with modular systems combinations
- Quiet operation with indoor unit sound levels as low as 25 dB(A)
- High level control (BACnet, Lon Works, Intelligent Manager, Intelligent Touch Controller)
- Superior heating performance
- Absolute comfort

Applications:

- Multi-family residences
- Condos
- Hotels
- Conference centers
- Office buildings
- Medical centers
- Schools

VRV III-S

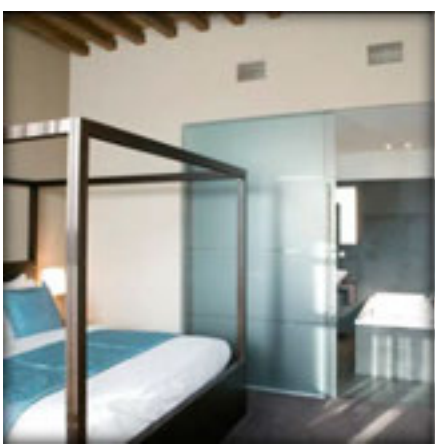
Ideal for residential and light commercial applications, VRVIII-S air-cooled systems are available in 3 and 4 tons and can operate up to 8 fan coil units. These systems provide individual zone control and advanced zoning capabilities in an innovative space-saving design.

VRV III

Designed for large commercial applications, VRVIII systems are available in up to 30 tons in heat pump or 28 tons in heat recovery. With the ability to operate up to 62 indoor fan coil units on a single system, the VRVIII provides excellent part load performance in a modular centralized system.

VRV-WIII

Great for both light and large commercial applications, the VRV-WIII provides cold climate capabilities in a lightweight, compact design. Available as a unified heat pump or heat recovery solutions, VRV-WIII offers an energy saving alternative to centralized systems.



VRV III-S

VRVIII-S systems are equipped with built-in intelligence which provide independent zoning control with maximum flexibility and energy savings. With the ability to connect up to eight indoor units to one outdoor unit, the space-saving VRVIII-S system is ideal for most light commercial and residential applications.

Light Commercial

A highly efficient solution for small commercial applications, the VRVIII-S provides cooling and heating for up to 8 zones. With 11 different indoor unit options to choose from, systems can be paired with a mix of ducted and duct-free indoor units for a customizable system for almost any application.

Designed for flexibility and versatility, the VRVIII-S system provides long piping lengths (up to 1000 ft. actual piping length one way), making it an accommodating and space saving solution for almost any floor layout.

Residential

VRVIII-S provides an intelligent alternative for both renovations and new construction homes. Connecting up to eight zones on a single outdoor unit, this system provides design flexibility in a compact, space-saving design.

Indoor units offer speed control with quiet operating sound levels as low as 28 dB(A) with outdoor units having built-in noise-reducing features. Activate the night set mode feature and operating sounds progressively reduce 3 dB(A) for quieter and gentler cooler or heating.

Certified Performance Data

Outdoor Unit	Indoor Units Combination	Nominal Cooling Capacity (Btu/h)	EER 95 °F	SEER	Nominal Heating Capacity (Btu/h)	COP 47 °F	Low Heating Capacity (Btu/h)	COP 17 °F	HSPF
RXYMQ36PVJU	Non-Ducted Indoor Units	36,000	11.50	14.90	42,000	2.800	26,000	2.00	7.90
	Ducted Indoor Units	36,000	9.90	14.00	42,000	2.900	29,500	2.10	8.40
	Mixed Ducted and Non-Ducted Indoor Units	36,000	10.70	14.45	42,000	2.850	27,750	2.05	8.15
RXYMQ48PVJU	Non-Ducted Indoor Units	47,500	9.00	15.10	52,500	2.600	33,000	2.00	9.10
	Ducted Indoor Units	47,500	9.00	13.20	52,500	2.700	36,500	2.00	8.80
	Mixed Ducted and Non-Ducted Indoor Units	47,500	9.00	14.15	52,500	2.650	34,750	2.00	8.95

VRV technology in a compact size.

Features, the 7S for Success:

- Single phase technology
- Smaller capacity for precise temperature control
- Space-saving design and flexible indoor unit options offer quick and easy installation
- Superior energy efficiency, especially under part load conditions
- Soft sound levels for comfort
- Single-supplier reliability
- Straightforward maintenance and service with self-diagnostic functions

VRVIII-S 208-230V Heat Pump				
Model	Name		RXYMQ36PVJU	RXYMQ48PVJU
Performance	Cooling Capacity	Btu/h	36,000	47,500
	Cooling Input Power	kW	Refer to Engineering Data Book	
	Heating Capacity	Btu/hw	42,000	52,500
	Heating Input Power	kW	Refer to Engineering Data Book	
	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 @ 3 ft.	dB(A)	58	58
Refrigerant Piping	Refrigerant Type and Quantity	(lbs.)	R-410A (8.8)	R-410A (8.8)
	Liquid Pipe (Main Line)	in.	3/8 (Flare)	3/8 (Flare)
	Suction Gas Pipe (Main Line)	in.	5/8 (Flare)	5/8 (Flare)
	Vertical Pipe Length	ft.	164	164
	Actual Pipe Length (Equivalent Length)	ft.	492	492
	Total Piping Length	ft.	984	984
Connection Ratio	Connectable Indoor Unit Ratio	%	50 - 130%	50 - 130%
	Number of Indoor Units	Qty.	6	8
Unit	Weight	lbs.	283	283
	Dimensions (H x W x D)	in.	52-15/16 x 35-7/16 x 12-5/8	
Fan	Airflow	cfm	3,740	3,740
	Fan Motor Output and Quantity	kW (Qty.)	0.07 (2)	0.07 (2)
Electrical	Maximum Overcurrent Protection (MOP)	A	30.0	30.0
	Minimum Circuit Amps (MCA)	A	27.0	27.0
	Compressor Rated Load Amps (RLA)	A	17.6	23.3
Compressor	Compressor Type		Daikin G-Type Scroll	
	Compressor Set-Up		1 INV	1 INV
	Compressor Capacity Control	%	29 - 100	29 - 100

VRV III

Daikin's VRVIII systems integrate advanced technology to provide comfort control with maximum energy efficiency. Available in heat pump and heat recovery configurations, VRVIII provides a solution for residential to large commercial applications desiring heating, cooling, or simultaneous operation.

Built-in Reliability

Launched in 1982, Daikin's VRVIII system is the 7th generation of the original Daikin VRV. Redesigned and re-engineered to incorporate the latest advances in technology and refrigeration, Daikin designs all of its major components to ensure built-in performance and reliability.

Design Versatility

VRVIII provides design flexibility from residential to large commercial applications. Available in heat pump and heat recovery configurations in 208-230V and 460V capabilities, systems offer up to 30 ton capacity and operate up to 62 indoor units on a single piping network.

Energy Efficiency with Inverter Technology

Integrated with inverter technology, systems vary compressor speed to deliver the amount of refrigerant to the system required to maintain fluctuating space needs. By operating at a minimum variable speed to maintain desired room conditions, systems deliver maximum efficiency during part load conditions and provide precise individual zone control.

Design Flexibility

With a wide selection of ducted and duct-free units, indoor units are available in 11 different styles and 51 models up to 96,000 Btu/h. From sleek and sophisticated designs to concealed and compact systems, indoor units provide a flexible zoning solution for almost any application.

Advanced Comfort Control

Optimized for VRV technology, Daikin offers highly scalable control solutions for all applications. From single zone to advanced multi-zone controls with the ability to integrate with a building automation system, individual and personalized comfort is provided through a centralized system.

Simplified Installation and Maintenance Ease

For simplified installation and maintenance, VRV systems can:

- Automatically charge the necessary amount of refrigerant needed
- Check wiring, shut off vales, sensors, refrigerant volume and
- Diagnose errors and malfunctions to speed up troubleshooting all with a simple push of a button on the PCB.

VRVIII PB Series Certified Data

Daikin's VRV system has been validated as one of the most efficient heating and air conditioning systems available in the North American market.

System Type	Function	System Name	Nominal Capacity	Individual Condensing Unit Model			Part Load						Full Load							
				Unit 1	Unit 2	Unit 3	IEER Ducted	IEER Non-Ducted	IEER Mixed	SCHE Ducted	SCHE Non-Ducted	SCHE Mixed	EER Ducted	EER Non-Ducted	EER Mixed	COP@47F Ducted	COP@47F Non-Ducted	COP@47F Mixed	COP@17F Ducted	COP@17F Non-Ducted	COP@17F Mixed
VRVIII 460V	Heat Pump	RXYQ72PBYD	6-Ton	RXYQ72PBYD			21.5	25.8	23.7				12.8	14.1	13.5	3.71	4.00	3.86	2.40	2.65	2.53
		RXYQ96PBYD	8-Ton	RXYQ96PBYD			18.8	23.0	20.9				12.5	13.5	13.0	3.65	4.20	3.93	2.50	2.85	2.68
		RXYQ120PBYD	10-Ton	RXYQ120PBYD			17.2	20.4	18.8				11.9	12.5	12.2	3.63	3.80	3.72	2.50	2.65	2.58
		RXYQ144PBYD	12-Ton	RXYQ72PBYD	RXYQ72PBYD		22.1	21.5	21.8				12.7	14.0	13.4	3.70	3.90	3.80	2.45	2.55	2.50
		RXYQ168PBYD	14-Ton	RXYQ96PBYD	RXYQ72PBYD		20.2	22.0	21.1				12.1	12.4	12.3	3.70	3.95	3.83	2.45	2.65	2.55
		RXYQ192PBYD	16-Ton	RXYQ120PBYD	RXYQ72PBYD		19.1	19.9	19.5				11.8	11.7	11.8	3.55	3.70	3.63	2.45	2.55	2.50
		RXYQ216PBYD	18-Ton	RXYQ120PBYD	RXYQ96PBYD		19.5	19.2	19.4				11.7	11.6	11.7	3.60	3.80	3.70	2.45	2.60	2.53
		RXYQ240PBYD	20-Ton	RXYQ120PBYD	RXYQ120PBYD		16.1	18.2	17.2				11.6	11.5	11.6	3.50	3.60	3.55	2.35	2.55	2.45
		RXYQ264PBYD	22-Ton	RXYQ96PBYD	RXYQ96PBYD	RXYQ72PBYD	19.1	20.8	20.0				11.7	11.3	11.5	3.50	3.50	3.50	2.30	2.45	2.38
		RXYQ288PBYD	24-Ton	RXYQ120PBYD	RXYQ96PBYD	RXYQ72PBYD	18.8	19.6	19.2				10.5	11.5	11.0	3.45	3.50	3.48	2.45	2.45	2.45
		RXYQ312PBYD	26-Ton	RXYQ120PBYD	RXYQ120PBYD	RXYQ72PBYD	17.0	18.2	17.6				11.5	10.7	11.1	3.30	3.30	3.30	2.35	2.35	2.35
		RXYQ336PBYD	28-Ton	RXYQ120PBYD	RXYQ120PBYD	RXYQ96PBYD	16.1	15.9	16.0				10.7	10.8	10.8	3.45	3.45	3.45	2.35	2.35	2.35
		RXYQ360PBYD	30-Ton	RXYQ120PBYD	RXYQ120PBYD	RXYQ120PBYD	15.3	15.1	15.2				10.8	9.8	10.3	3.20	3.45	3.33	2.30	2.40	2.35
	Heat Recovery	REYQ72PBYD	6-Ton	REYQ72PBYD			21.3	25.1	23.2	18.0	21.1	19.6	13.8	15.4	14.6	3.80	4.20	4.00	2.60	2.95	2.78
		REYQ96PBYD	8-Ton	REYQ96PBYD			19.7	22.9	21.3	15.4	20.0	17.7	12.1	13.2	12.7	3.60	3.70	3.65	2.65	2.70	2.68
		REYQ120PBYD	10-Ton	REYQ120PBYD			16.1	21.3	18.7	15.3	19.6	17.5	11.3	12.1	11.7	3.40	3.60	3.50	2.35	2.60	2.48
		REYQ144PBYD	12-Ton	REMQ72PBYD	REMQ72PBYD		20.0	22.5	21.3	16.0	19.8	17.9	13.7	13.8	13.8	3.60	3.80	3.70	2.40	2.55	2.48
		REYQ168PBYD	14-Ton	REMQ96PBYD	REMQ72PBYD		19.4	20.3	19.9	16.2	19.0	17.6	11.5	12.0	11.8	3.50	3.70	3.60	2.35	2.50	2.43
		REYQ192PBYD	16-Ton	REMQ96PBYD	REMQ96PBYD		16.9	18.7	17.8	15.5	18.8	17.2	11.0	11.2	11.1	3.40	3.40	3.40	2.30	2.50	2.40
		REYQ216PBYD	18-Ton	REMQ120PBYD	REMQ96PBYD		16.4	17.2	16.8	15.0	17.9	16.5	10.8	10.7	10.8	3.30	3.50	3.40	2.30	2.40	2.35
		REYQ240PBYD	20-Ton	REMQ120PBYD	REMQ120PBYD		15.4	16.1	15.8	14.8	17.5	16.2	10.1	10.1	10.1	3.20	3.33	3.27	2.35	2.40	2.38
		REYQ264PBYD	22-Ton	REMQ96PBYD	REMQ96PBYD	REMQ72PBYD	18.1	18.7	18.4	15.9	19.8	17.9	11.3	10.8	11.1	3.30	3.40	3.35	2.30	2.40	2.35
		REYQ288PBYD	24-Ton	REMQ120PBYD	REMQ96PBYD	REMQ72PBYD	17.5	19.0	18.3	15.8	18.9	17.4	10.7	10.7	10.7	3.40	3.35	3.38	2.35	2.40	2.38
		REYQ312PBYD	26-Ton	REMQ120PBYD	REMQ96PBYD	REMQ96PBYD	16.2	16.9	16.6	15.4	18.9	17.2	10.3	10.2	10.3	3.33	3.23	3.28	2.25	2.25	2.25
		REYQ336PBYD	28-Ton	REMQ120PBYD	REMQ120PBYD	REMQ96PBYD	15.9	15.6	15.8	14.9	18.3	16.6	10.2	10.2	10.2	3.20	3.23	3.22	2.20	2.30	2.25
VRVIII 208/230V	Heat Pump	RXYQ72PBTJ	6-Ton	RXYQ72PBTJ			21.5	25.8	23.7				12.8	14.1	13.4	3.71	4.00	3.86	2.40	2.65	2.53
		RXYQ96PBTJ	8-Ton	RXYQ96PBTJ			18.8	23.0	20.9				12.5	13.5	13.0	3.65	4.20	3.93	2.50	2.85	2.68
		RXYQ120PBTJ	10-Ton	RXYQ120PBTJ			17.2	20.4	18.8				11.9	12.5	12.2	3.63	3.80	3.72	2.50	2.65	2.58
		RXYQ144PBTJ	12-Ton	RXYQ144PBTJ			17.6	20.5	19.1				11.3	11.3	11.3	3.40	3.60	3.50	2.45	2.55	2.50
		RXYQ168PBTJ	14-Ton	RXYQ96PBTJ	RXYQ72PBTJ		20.2	22.0	21.1				12.1	12.4	12.3	3.70	3.95	3.83	2.45	2.65	2.55
		RXYQ192PBTJ	16-Ton	RXYQ120PBTJ	RXYQ72PBTJ		19.1	19.9	19.5				11.8	11.7	11.8	3.55	3.70	3.63	2.45	2.55	2.50
		RXYQ216PBTJ	18-Ton	RXYQ120PBTJ	RXYQ96PBTJ		19.5	19.2	19.4				11.7	11.6	11.7	3.60	3.80	3.70	2.45	2.60	2.53
		RXYQ240PBTJ	20-Ton	RXYQ120PBTJ	RXYQ120PBTJ		16.1	18.2	17.2				11.6	11.5	11.6	3.50	3.60	3.55	2.35	2.55	2.45
		RXYQ264PBTJ	22-Ton	RXYQ96PBTJ	RXYQ96PBTJ	RXYQ72PBTJ	19.1	20.8	20.0				11.7	11.3	11.5	3.50	3.50	3.50	2.30	2.45	2.38
		RXYQ288PBTJ	24-Ton	RXYQ120PBTJ	RXYQ96PBTJ	RXYQ72PBTJ	18.8	19.6	19.2				10.5	11.5	11.0	3.45	3.50	3.48	2.45	2.45	2.45
		RXYQ312PBTJ	26-Ton	RXYQ120PBTJ	RXYQ120PBTJ	RXYQ72PBTJ	17.0	18.2	17.6				11.5	10.7	11.1	3.30	3.30	3.30	2.35	2.35	2.35
		RXYQ336PBTJ	28-Ton	RXYQ120PBTJ	RXYQ120PBTJ	RXYQ96PBTJ	16.1	15.9	16.0				10.7	10.8	10.8	3.45	3.45	3.45	2.35	2.35	2.35
		RXYQ360PBTJ	30-Ton	RXYQ120PBTJ	RXYQ120PBTJ	RXYQ120PBTJ	15.3	15.1	15.2				10.8	9.8	10.3	3.20	3.45	3.33	2.30	2.40	2.35
	Heat Recovery	REYQ72PBTJ	6-Ton	REYQ72PBTJ			21.3	25.1	23.2	18.0	21.1	19.6	13.8	15.4	14.6	3.80	4.20	4.00	2.60	2.95	2.78
		REYQ96PBTJ	8-Ton	REYQ96PBTJ			19.7	22.9	21.3	15.4	20.0	17.7	12.1	13.2	12.7	3.60	3.70	3.65	2.65	2.70	2.68
		REYQ120PBTJ	10-Ton	REYQ120PBTJ			16.1	21.3	18.7	15.3	19.6	17.5	11.3	12.1	11.7	3.40	3.60	3.50	2.35	2.60	2.48
		REYQ144PBTJ	12-Ton	REYQ144PBTJ			16.5	18.9	17.7	16.0	19.8	17.9	10.6	11.2	10.9	3.40	3.60	3.50	2.40	2.55	2.48
		REYQ168PBTJ	14-Ton	REMQ96PBTJ	REMQ72PBTJ		19.4	20.3	19.9	16.2	19.0	17.6	11.5	12.0	11.8	3.50	3.70	3.60	2.35	2.50	2.43
		REYQ192PBTJ	16-Ton	REMQ96PBTJ	REMQ96PBTJ		16.9	18.7	17.8	15.5	18.8	17.2	11.0	11.2	11.1	3.40	3.40	3.40	2.30	2.50	2.40
		REYQ216PBTJ	18-Ton	REMQ120PBTJ	REMQ96PBTJ		16.4	17.2	16.8	15.0	17.9	16.5	10.8	10.7	10.8	3.30	3.50	3.40	2.30	2.40	2.35
		REYQ240PBTJ	20-Ton	REMQ120PBTJ	REMQ120PBTJ		15.4	16.1	15.8	14.8	17.5	16.2	10.1	10.1	10.1	3.20	3.33	3.27	2.35	2.40	2.38
		REYQ264PBTJ	22-Ton	REMQ96PBTJ	REMQ96PBTJ	REMQ72PBTJ	18.1	18.7	18.4	15.9	19.8	17.9	11.3	10.8	11.1	3.30	3.40	3.35	2.30	2.40	2.35
		REYQ288PBTJ	24-Ton	REMQ120PBTJ	REMQ96PBTJ	REMQ72PBTJ	17.5	19.0	18.3	15.8	18.9	17.4	10.7	10.7	10.7	3.40	3.35	3.38	2.35	2.40	2.38
		REYQ312PBTJ	26-Ton	REMQ120PBTJ	REMQ96PBTJ	REMQ96PBTJ	16.2	16.9	16.6	15.4	18.9	17.2	10.3	10.2	10.3	3.33	3.23	3.28	2.25	2.25	2.25
		REYQ336PBTJ	28-Ton	REMQ120PBTJ	REMQ120PBTJ	REMQ96PBTJ	15.9	15.6	15.8	14.9	18.3	16.6	10.2	10.2	10.2	3.20	3.23	3.22	2.20	2.30	2.25

Certified efficiency data in accordance with ANSI/AHRI Standard 1230-2010, "Performance Rating of Variable Refrigerant Flow (VRF) Multi-Split Air-Conditioning and Heat Pump Equipment" for the VRVIII PB Series. The VRVIII PB Series has been designed and optimized to meet/or exceed the latest minimum efficiency requirements in 10 C.F.R. Part 431 as determined by the U.S. Department of Energy (DOE) and baseline efficiencies as defined by ASHRAE 90.1- 2010. Systems sized 65-300MBH are certified to ANSI/AHRI 1230-2010. Systems above 300MBH are rated to ANSI/AHRI 1230-2010. Systems under 65MBH are currently certified to AHRI 210/240. EER and COP ratings for the Daikin's VRVIII PB series are subject to the United States Department of Energy's (DOE) waiver issued in Washington, D.C. and published in the Federal Register / Vol. 76, No. 114 / Tuesday, June 14, 2011 / 34,685. IEER ratings are as defined in ASHRAE 90.1-2010.

Please visit **www.daikinperforms.com for our efficiency ratings as well as an explanation of the standard and various metrics involved.**

208-230V Heat Pump

RXYQ_PBTJ

A complete, engineered heating and cooling solution.

Key features include:

- Extended operating range with the ability to operate at outdoor ambient conditions down to 23°F in cooling mode and down to -4°F in heating mode.
- Long refrigerant piping lengths with up to 3,280 ft. of total “one-way” piping in the complete piping network
- Advanced defrost cycle operation in heating
- Automatic charge function

Outdoor Units - RXYQ_PBTJ Heat Pump			6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton
Model	Name		RXYQ72PBTJ	RXYQ96PBTJ	RXYQ120PBTJ	RXYQ144PBTJ	RXYQ168PBTJ	RXYQ192PBTJ	RXYQ216PBTJ
	Combination						1 x RXYQ96PBTJ 1 x RXYQ72PBTJ	1 x RXYQ120PBTJ 1 x RXYQ72PBTJ	1 x RXYQ120PBTJ 1 x RXYQ96PBTJ
Performance	Rated Cooling Capacity	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000	206,000
	Rated Heating Capacity	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000	231,000
	Operating Range - Cooling	°F DB	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122
	Operating Range - Heating	°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
	Power	V/Ph/Hz	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60
	Sound Pressure Level @3ft	dB(A)	57	60	60	62	62	62	63
Fan	Airflow	cfm	6,350	8,230	8,230	8,300	8,230 + 6,350	8,230 + 6,350	8,230 + 8,230
Refrigerant Piping	Vertical Pipe Length Above	ft.	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)
	Vertical Pipe Length Below	ft.	295	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280	3,280	3,280
Unit	Weight	lbs.	420	620	620	747	620 + 420	620 + 420	620 + 620
	Dimensions (H x W x D)	in.	66-1/8 x 36-5/8 x 30-1/8	66-1/8 x 48-7/8 x 30-1/8		66-1/8 x 51-3/16 x 30-1/8	(66-1/8 x 48-7/8 x 30-1/8) + (66-1/8 x 36-5/8 x 30-1/8)		(66-1/8 x 48-7/8 x 30-1/8) x2

			20 Ton	22 Ton	24 Ton	26 Ton	28 Ton	30 Ton
Model	Name		RXYQ240PBTJ	RXYQ264PBTJ	RXYQ288PBTJ	RXYQ312PBTJ	RXYQ336PBTJ	RXYQ360PBTJ
	Combination		2 x RXYQ120PBTJ	2 x RXYQ96PBTJ 1 x RXYQ72PBTJ	1 x RXYQ120PBTJ 1 x RXYQ96PBTJ 1 x RXYQ72PBTJ	2 x RXYQ120PBTJ 1 xRXYQ72PBTJ	2 x RXYQ120PBTJ 1 x RXYQ96PBTJ	3 x RXYQ120PBTJ
Performance	Rated Cooling Capacity	Btu/h	228,000	251,000	274,000	297,000	320,000	342,000
	Rated Heating Capacity	Btu/h	257,000	283,000	308,000	334,000	360,000	385,000
	Operating Range - Cooling	°F DB	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122
	Operating Range - Heating	°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
	Power	V/Ph/Hz	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60
	Sound Pressure Level @3ft	dB(A)	63	64	64	64	65	65
Fan	Airflow	cfm	8,230 + 8,230	8,230 + 8,230 + 6,350	8,230 + 8,230 + 6,350	8,230 + 8,230 + 6,350	8,230 + 8,230 + 8,230	8,230 + 8,230 + 8,230
Refrigerant Piping	Vertical Pipe Length Above	ft.	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)
	Vertical Pipe Length Below	ft.	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280	3,280
Unit	Weight	lbs.	620 + 620	620 + 620 + 420	620 + 620 + 420	620 + 620 + 420	620 + 620 + 620	620 + 620 + 620
	Dimensions (H x W x D)	in.	(66-1/8 x 48-7/8 x 30-1/8) x 2	(66-1/8 x 48-7/8 x 30-1/8) x 2 + (66-1/8 x 36-5/8 x 30-1/8)			(66-1/8 x 48-7/8 x 30-1/8) x 3	

For all equipment installation and application limitations please refer to the specific Engineering Data Books.

208-230V Heat Recovery

REYQ_PBTJ

Simultaneous heating and cooling from a single system.

Key features include:

- Extended operating range with the ability to operate at outdoor ambient conditions down to 23°F with an option down to -4°F in cooling mode and down to -4°F in heating mode.
- Long refrigerant piping lengths with up to 3,280 ft. of total “one-way” piping in the complete piping network
- Advanced continuous heating during defrost cycle
- Automatic charge function

Outdoor Units - REYQ_PBTJ Heat Recovery			6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton
Model	Name		REYQ72PBTJ	REYQ96PBTJ	REYQ120PBTJ	REYQ144PBTJ	REYQ168PBTJ	REYQ192PBTJ	REYQ216PBTJ
	Combination						1x REMQ96PBTJ + 1x REMQ72PBTJ	2x REMQ96PBTJ	1x REMQ120PBTJ + 1x REMQ96PBTJ
Performance	Rated Cooling Capacity	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000	206,000
	Rated Heating Capacity	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000	231,000
	Operating Range - Cooling	°F DB	(-4) 23 – 122	(-4) 23 – 122	(-4) 23 – 122	(-4) 23 – 122	(-4) 23 – 122	(-4) 23 – 122	(-4) 23 – 122
	Operating Range - Heating	°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
	Power	V/Ph/Hz	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60
	Sound Pressure Level @3ft	dB(A)	58	58	60	62	61	62	62
Fan	Airflow	cfm	6,700	6,700	7,410	8,300	6,530 + 6,350	6,530 + 6,530	7,060 + 6,530
Refrigerant Piping	Vertical Pipe Length Above	ft.	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)
	Vertical Pipe Length Below	ft.	295	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280	3,280	3,280
Unit	Weight	lbs.	730	730	730	747	560 + 450	560 + 560	560 + 560
	Dimensions (H x W x D)	in.	66-1/8 x 51-3/16 x 30-1/8				(66-1/8 x 36-5/8 x 30-1/8) x 2		

			20 Ton	22 Ton	24 Ton	26 Ton	28 Ton
Model	Name		REYQ240PBTJ	REYQ264PBTJ	REYQ288PBTJ	REYQ312PBTJ	REYQ336PBTJ
	Combination		2 x REMQ120PBTJ	2 x REMQ96PBTJ + 1 x REMQ72PBTJ	1 x REMQ120PBTJ + 1 x REMQ96PBTJ + 1 x REMQ72PBTJ	1 x REMQ120PBTJ + 2 xREMQ96PBTJ	2 x REMQ120PBTJ + 1 x REMQ96PBTJ
Performance	Rated Cooling Capacity	Btu/h	240,000	251,000	274,000	297,000	320,000
	Rated Heating Capacity	Btu/h	257,000	283,000	308,000	334,000	360,000
	Operating Range - Cooling	°F DB	(-4) 23 – 122	(-4) 23 – 122	(-4) 23 – 122	(-4) 23 – 122	(-4) 23 – 122
	Operating Range - Heating	°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
	Power	V/Ph/Hz	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60
	Sound Pressure Level @3ft	dB(A)	63	62	63	64	64
Fan	Airflow	cfm	7,060 + 7,060	6,530 + 6,530 + 6,350	7,060 + 6,530 + 6,350	7,060 + 6,530 + 6,530	7,060 + 7,060 +6530
Refrigerant Piping	Vertical Pipe Length - above	ft.	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)
	Vertical Pipe Length - below	ft.	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280
Unit	Weight	lbs.	560 + 560	560 + 560 + 450	560 + 560 + 450	560 + 560 + 560	560 + 560 + 560
	Dimensions (H x W x D)	in.	(66-1/8 x 36-5/8 x 30-1/8) x 2	(66-1/8 x 36-5/8 x 30-1/8) x 3			

For all equipment installation and application limitations please refer to the specific Engineering Data Books.

460V Heat Pump

RXYQ_PBYD

A complete, engineered heating and cooling solution.

Key features include:

- Extended operating range with the ability to operate at outdoor ambient conditions down to 23°F in cooling mode and down to -4°F in heating mode.
- Long refrigerant piping lengths with up to 3,280 ft. of total “one-way” piping in the complete piping network
- Advanced defrost cycle operation in heating
- Automatic charge function

Outdoor Units - RXYQ_PBYD Heat Pump			6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton
Model	Name		RXYQ72PBYD	RXYQ96PBYD	RXYQ120PBYD	RXYQ144PBYD	RXYQ168PBYD	RXYQ192PBYD	RXYQ216PBYD
	Combination					2 x RXYQ72PBYD	1 x RXYQ96PBYD + 1 x RXYQ72PBYD	1 x RXYQ120PBYD + 1 x RXYQ72PBYD	1 x RXYQ120PBYD + 1 x RXYQ96PBYD
Performance	Rated Cooling Capacity	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000	206,000
	Rated Heating Capacity	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000	231,000
	Operating Range - Cooling	°F DB	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122
	Operating Range - Heating	°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
	Power	V/Ph/Hz	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
	Sound Pressure Level @3ft	dB(A)	57	60	60	62	62	62	63
Fan	Airflow	cfm	6,350	8,230	8,230	6,350 + 6,350	8,230 + 6,350	8,230 + 6,350	8,230 + 8,230
Refrigerant Piping	Vertical Pipe Length Above	ft.	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)
	Vertical Pipe Length Below	ft.	295	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280	3,280	3,280
Unit	Weight	lbs.	433	633	633	433 + 433	633 + 433	633 + 433	633 + 633
	Dimensions (H x W x D)	in.	66-1/8 x 36-5/8 x 30-1/8	66-1/8 x 48-7/8 x 30-1/8		(66-1/8 x 36-5/8 x 30-1/8) x 2	(66-1/8 x 48-7/8 x 30-1/8) + (66-1/8 x 36-5/8 x 30-1/8)		(66-1/8 x 48-7/8 x 30-1/8) x 2

			20 Ton	22 Ton	24 Ton	26 Ton	28 Ton	30 Ton
	Name		RXYQ240PBYD	RXYQ264PBYD	RXYQ288PBYD	RXYQ312PBTJ	RXYQ336PBTJ	RXYQ360PBTJ
Model	Combination		2 x RXYQ120PBYD	2 x RXYQ96PBYD + 1 x RXYQ72PBYD	1 x RXYQ120PBYD + 1 x RXYQ96PBYD + 1 x RXYQ72PBYD	2 x RXYQ120PBYD + 1 x RXYQ72PBYD	2 x RXYQ120PBYD + 1 x RXYQ96PBYD	3 x RXYQ120PBYD
Performance	Rated Cooling Capacity	Btu/h	228,000	251,000	274,000	297,000	320,000	342,000
	Rated Heating Capacity	Btu/h	257,000	283,000	308,000	334,000	360,000	385,000
	Operating Range - Cooling	°F DB	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122
	Operating Range - Heating	°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
	Power	V/Ph/Hz	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
	Sound Pressure Level @3ft	dB(A)	63	64	64	64	65	65
Fan	Airflow	cfm	8,230 + 8,230	8,230 + 8,230 + 6,350	8,230 + 8,230 + 6,350	8,230 + 8,230 + 6,350	8,230 + 8,230 + 8,230	8,230 + 8,230 + 8,230
Refrigerant Piping	Vertical Pipe Length Above	ft.	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)
	Vertical Pipe Length Below	ft.	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280	3,280
Unit	Weight	lbs.	633 + 633	633 + 633 + 433	633 + 633 + 433	633 + 633 + 433	633 + 633 + 633	633 + 633 + 633
	Dimensions (H x W x D)	in.	(66-1/8 x 48-7/8 x 30-1/8) x 2	(66-1/8 x 48-7/8 x 30-1/8) x 2 + (66-1/8 x 36-5/8 x 30-1/8)			(66-1/8 x 48-7/8 x 30-1/8) x 3		

For all equipment installation and application limitations please refer to the specific Engineering Data Books.

460V Heat Recovery

REYQ_PBYD

Simultaneous heating and cooling from a single system.

Key features include:

- Extended operating range with the ability to operate at outdoor ambient conditions down to 23°F with an option down to -4°F in cooling mode and down to -4°F in heating mode.
- Long refrigerant piping lengths with up to 3,280 ft. of total "one-way" piping in the complete piping network
- Advanced continuous heating during defrost cycle
- Automatic charge function

Outdoor Units - REYQ_PBYD Heat Recovery			6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton
Model	Name		REYQ72PBYD	REYQ96PBYD	REYQ120PBYD	REYQ144PBYD	REYQ168PBYD	REYQ192PBYD	REYQ216PBYD
	Combination					2 x REMQ72PBYD	1 x REMQ96PBYD + 1 x REMQ72PBYD	2 x REMQ96PBYD	1 x REMQ120PBYD + 1 x REMQ96PBYD
Performance	Rated Cooling Capacity	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000	206,000
	Rated Heating Capacity	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000	231,000
	Operating Range - Cooling	°F DB	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122
	Operating Range - Heating	°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
	Power	V/Ph/Hz	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
	Sound Pressure Level @3ft	dB(A)	58	58	60	60	61	62	62
Fan	Airflow	cfm	6,700	6,700	6,700	6,350 + 6,350	6,530 + 6,350	6,530 + 6,530	7,060 + 6,530
Refrigerant Piping	Vertical Pipe Length Above	ft.	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)
	Vertical Pipe Length Below	ft.	295	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280	3,280	3,280
Unit	Weight	lbs.	732	732	732	463 + 463	573 + 463	573 + 573	573 + 573
	Dimensions	in.	66-1/8 x 51-3/16 x 30-1/8			(66-1/8 x 36-5/8 x 30-1/8) x 2			

			20 Ton	22 Ton	24 Ton	26 Ton	28 Ton
Model	Name		REYQ240PBYD	REYQ264PBYD	REYQ288PBYD	REYQ312PBYD	REYQ336PBYD
	Combination		2 x REMQ120PBYD	2 x REMQ96PBYD + 1 x REMQ72PBYD	1 x REMQ120PBYD + 1 x REMQ96PBYD+ 1x REMQ72PBYD	2 x REMQ96PBYD + 1 x REMQ120PBYD	2 x REMQ120PBYD + 1 x REMQ96PBYD
Performance	Rated Cooling Capacity	Btu/h	240,000	251,000	274,000	297,000	320,000
	Rated Heating Capacity	Btu/h	257,000	283,000	308,000	334,000	360,000
	Operating Range - Cooling	°F DB	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122
	Operating Range - Heating	°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
	Power	V/Ph/Hz	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
	Sound Pressure Level @3ft	dB(A)	63	62	63	64	64
Fan	Airflow	cfm	7,060 + 7,060	6,530 + 6,530 + 6,530	7060 + 6,530 + 6,350	7,060 + 6,530 + 6,530	7,060 + 7,060 + 6,530
Refrigerant Piping	Vertical Pipe Length Above	ft.	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)
	Vertical Pipe Length Below	ft.	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280
Unit	Weight	lbs.	573 + 573	573 + 573 + 463	573 + 573 + 463	573 + 573 + 573	573 + 573 + 573
	Dimensions	in.	(66-1/8 x 36-5/8 x 30-1/8) x 2	(66-1/8 x 36-5/8 x 30-1/8) x 3			

For all equipment installation and application limitations please refer to the specific Engineering Data Books.

VRV-WIII

VRV-WIII systems are equivalent to 4-pipe chilled water systems, but also offer a viable alternative to Water-Source Heat Pump solutions. Each connected indoor unit can provide heating and cooling independently to suit zone requirements making these systems suitable for both open plan, or cellular applications with different operation requirements.

VRV-WIII Features and Benefits

Reliability, comfort and efficiency working together hand in hand

All VRV-WIII incorporate Daikin's unique "variable speed" scroll compressor at the heart of the system. This provides the exact capacity where and when it is needed, industry leading reliability and high part load operation efficiency.

Compact and lightweight

Industry leading compact lightweight casing
Height: 39-3/8", Weight: 330 lbs. Install in a mechanical room, double-decker style if needed.

Large capacity (6 to 21-Ton)

Larger single system capacity ensures wider application range for satisfying floor-by-floor loads of commercial buildings.

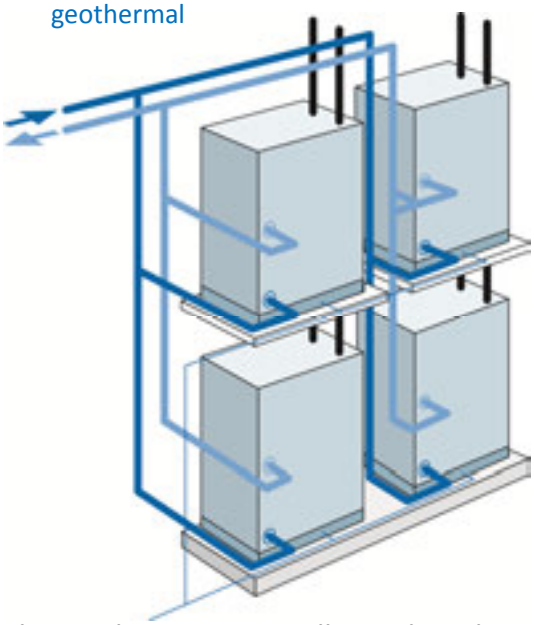
Wide water temperature operation range

As standard VRV-WIII can operate with condenser water temperatures down to 50°F but this can be extended to an industry leading 14°F in heating.

The VRV-WIII design is based on a ***modular design*** concept. It is composed of unified condensing units that require simply connecting a 2-pipe refrigerant network for heat pump applications or a 3-pipe refrigerant network for heat recovery applications. All water-cooled condensers are of the same dimensions, and are available in 6-Ton and 7-Ton. This is a simple system that allows manifolding together up to 3 condensers to form one system of up to 21-Ton (252 MBH). The condensers are designed for internal mounting only.

Water side:
Connecting to cooling tower and/or boiler combination or set up as geothermal

Refrigerant side:
Connects to Daikin's lineup of VRV indoor units

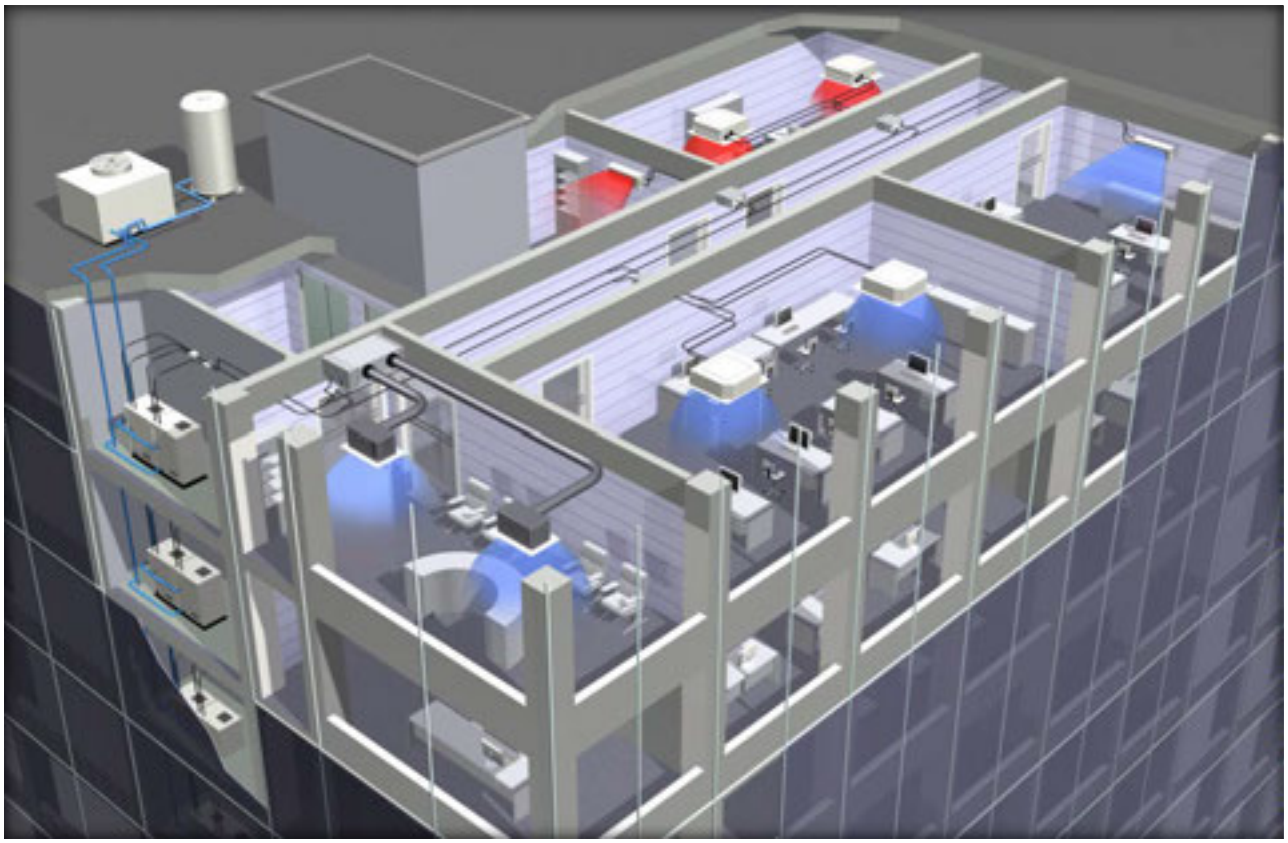


The condensers are smaller and can be stacked, reducing the installation space and increasing the customers usable square footage.

VRV-WIII Certified Data

Daikin's VRV-WIII system has been validated as one of the most efficient heating and air conditioning systems available in the North American market.

System Type	Function	System Name	Nominal Capacity	Individual Condensing Unit Model			Part Load						Full Load					
				Unit 1	Unit 2	Unit 3	IEER Non-Ducted	IEER Ducted	IEER Mixed	SCHE Non-Ducted	SCHE Ducted	SCHE Mixed	EER Non-Ducted	EER Ducted	EER Mixed	COP@68F Non-Ducted	COP@68F Ducted	COP@68F Mixed
VRV-WIII 460V	Heat Pump	RWEYQ72PYDN	6-Ton	RWEYQ72PYDN			24.1	22.3	23.2				14.0	14.0	14.0	4.89	4.89	4.89
		RWEYQ84PYDN	7-Ton	RWEYQ84PYDN			22.5	21.3	21.9				13.4	13.2	13.3	4.70	4.50	4.60
		RWEYQ144PYDN	12-Ton	RWEYQ72PYDN	RWEYQ72PYDN		23.7	22.3	23.0				14.6	14.4	14.5	4.97	4.97	4.97
		RWEYQ168PYDN	14-Ton	RWEYQ84PYDN	RWEYQ84PYDN		23.1	21.3	22.2				12.7	12.7	12.7	4.38	4.38	4.38
		RWEYQ216PYDN	18-Ton	RWEYQ72PYDN	RWEYQ72PYDN	RWEYQ72PYDN	22.7	22.2	22.5				14.5	14.5	14.5	4.80	4.91	4.86
		RWEYQ252PYDN	21-Ton	RWEYQ84PYDN	RWEYQ84PYDN	RWEYQ84PYDN	21.5	20.0	20.8				12.8	12.8	12.8	4.48	4.48	4.48
	Heat Recovery	RWEYQ72PYDN	6-Ton	RWEYQ72PYDN			24.1	22.3	23.2	17.8	19.2	18.5	14.0	14.0	14.0	4.89	4.89	4.89
		RWEYQ84PYDN	7-Ton	RWEYQ84PYDN			22.5	21.3	21.9	17.0	17.7	17.4	13.4	13.2	13.3	4.70	4.50	4.60
		RWEYQ144PYDN	12-Ton	RWEYQ72PYDN	RWEYQ72PYDN		23.7	22.3	23.0	17.7	19.3	18.5	14.6	14.4	14.5	4.97	4.97	4.97
		RWEYQ168PYDN	14-Ton	RWEYQ84PYDN	RWEYQ84PYDN		23.1	21.3	22.2	17.0	17.8	17.4	12.7	12.7	12.7	4.38	4.38	4.38
		RWEYQ216PYDN	18-Ton	RWEYQ72PYDN	RWEYQ72PYDN	RWEYQ72PYDN	22.7	22.2	22.5	17.8	17.4	17.6	14.5	14.5	14.5	4.80	4.91	4.86
		RWEYQ252PYDN	21-Ton	RWEYQ84PYDN	RWEYQ84PYDN	RWEYQ84PYDN	21.5	20.0	20.8	15.6	15.8	15.7	12.8	12.8	12.8	4.48	4.48	4.48
VRV-WIII 208/230V	Heat Pump	RWEYQ72PTJU	6-Ton	RWEYQ72PTJU			24.1	22.3	23.2				14.0	14.0	14.0	4.89	4.89	4.89
		RWEYQ84PTJU	7-Ton	RWEYQ84PTJU			22.5	21.3	21.9				13.4	13.2	13.3	4.70	4.50	4.60
		RWEYQ144PTJU	12-Ton	RWEYQ72PTJU	RWEYQ72PTJU		23.7	22.3	23.0				14.6	14.4	14.5	4.97	4.97	4.97
		RWEYQ168PTJU	14-Ton	RWEYQ84PTJU	RWEYQ84PTJU		23.1	21.3	22.2				12.7	12.7	12.7	4.38	4.38	4.38
		RWEYQ216PTJU	18-Ton	RWEYQ72PTJU	RWEYQ72PTJU	RWEYQ72PTJU	22.7	22.2	22.5				14.5	14.5	14.5	4.80	4.91	4.86
		RWEYQ252PTJU	21-Ton	RWEYQ84PTJU	RWEYQ84PTJU	RWEYQ84PTJU	21.5	20.0	20.8				12.8	12.8	12.8	4.48	4.48	4.48
	Heat Recovery	RWEYQ72PTJU	6-Ton	RWEYQ72PTJU			24.1	22.3	23.2	17.8	19.2	18.5	14.0	14.0	14.0	4.89	4.89	4.89
		RWEYQ84PTJU	7-Ton	RWEYQ84PTJU			22.5	21.3	21.9	17.0	17.7	17.4	13.4	13.2	13.3	4.70	4.50	4.60
		RWEYQ144PTJU	12-Ton	RWEYQ72PTJU	RWEYQ72PTJU		23.7	22.3	23.0	17.7	19.3	18.5	14.6	14.4	14.5	4.97	4.97	4.97
		RWEYQ168PTJU	14-Ton	RWEYQ84PTJU	RWEYQ84PTJU		23.1	21.3	22.2	17.0	17.8	17.4	12.7	12.7	12.7	4.38	4.38	4.38
		RWEYQ216PTJU	18-Ton	RWEYQ72PTJU	RWEYQ72PTJU	RWEYQ72PTJU	22.7	22.2	22.5	17.8	17.4	17.6	14.5	14.5	14.5	4.80	4.91	4.86
		RWEYQ252PTJU	21-Ton	RWEYQ84PTJU	RWEYQ84PTJU	RWEYQ84PTJU	21.5	20.0	20.8	15.6	15.8	15.7	12.8	12.8	12.8	4.48	4.48	4.48



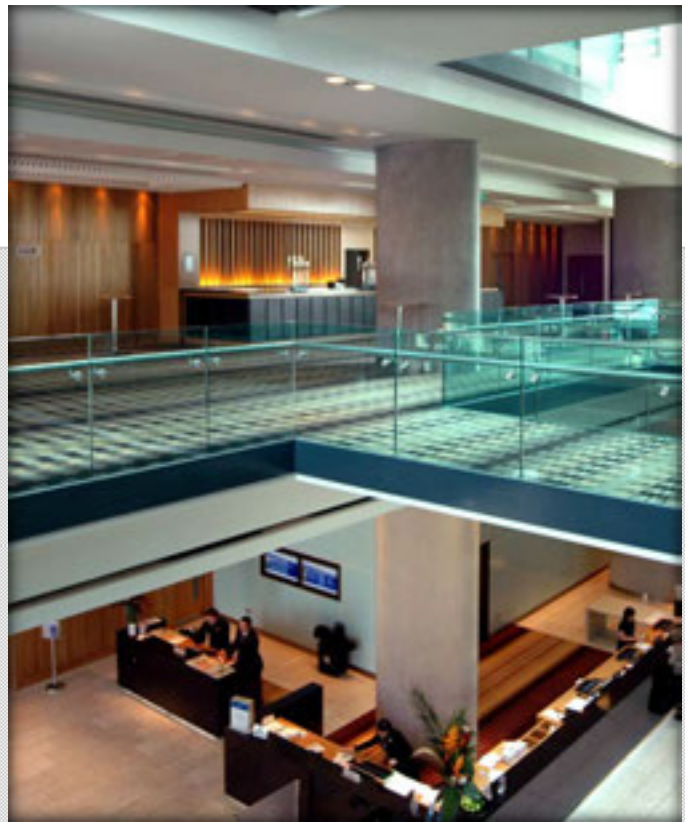
Certified efficiency data in accordance with ANSI/AHRI Standard 1230-2010, "Performance Rating of Variable Refrigerant Flow (VRF) Multi-Split Air-Conditioning and Heat Pump Equipment" for the VRV-WIII P Series. The VRV-WIII P Series has been designed and optimized to meet/or exceed the latest minimum efficiency requirements in 10 C.F.R. Part 431 as determined by the U.S. Department of Energy (DOE) and baseline efficiencies as defined by ASHRAE 90.1- 2010. Systems sized 65-300MBH are certified to ANSI/AHRI 1230-2010. Systems above 300MBH are rated to ANSI/AHRI 1230-2010. Systems under 65MBH are currently certified to AHRI 210/240. EER and COP ratings for the Daikin's VRV-WIII P series are subject to the United States Department of Energy's (DOE) waiver issued in Washington, D.C. and published in the Federal Register / Vol. 74, No. 68 / Friday, April 10, 2009 / Notices / Pages 16373-16377. EER ratings are as defined in ASHRAE 90.1-2010.

Please visit **www.daikinperforms.com for our efficiency ratings as well as an explanation of the standard and various metrics involved.**

Single Module System 208-230V

RWEYQ_PTJU

AHRI CERTIFIED www.ahridirectory.org



A modular, energy saving and reliable alternative to centralized equipment.

Key features include:

- Compact lightweight casing at 39-3/8” in height and 330 lbs. in weight
- Small condensers can be stacked for reduced installation space and increased usable square footage
- Larger single system capacity and modular concept ensures wider application range for satisfying floor-by-floor loads of commercial buildings
- As standard VRV-WIII can operate with condenser water temperatures down to 50°F but this can be extended to an industry leading 14°F in heating

VRV-WIII

VRV-WIII Unified Heat Pump and Heat Recovery			6 Ton		7 Ton	
Model	Name		RWEYQ72PTJU		RWEYQ84PTJU	
Performance	Cooling Capacity[1]	Btu/h	72,000		84,000	
	Cooling Input Power	kW	4.2		5.6	
	Heating Capacity[2]	Btu/h	81,000		94,000	
	Heating Input Power	kW	4.0		5.4	
	Power	V/ph/Hz	208-230/3/60			
	Sound Pressure Level @ 3ft.	dB(A)	50		51	
Refrigerant Piping	System Configuration		Heat Pump	Heat Recovery	Heat Pump	Heat Recovery
	Liquid Pipe (Main Line)	in.	3/8	3/8	3/8	3/8
	Suction Gas Pipe (Main Line)	in.	3/4	3/4	7/8	7/8
	Discharge Gas Pipe (Main Line)	in.	N/A	5/8	N/A	3/4
	Vertical Pipe Length (if unit is below FCU)	ft.	164 (130)		164 (130)	
	Actual Pipe Length (Equivalent Length)	ft.	390 (459)		390 (459)	
	Total Pipe Length	ft.	980		980	
Connection Ratio	Standard Connectable Indoor Unit Ratio	%	50 - 130		50 - 130	
	Maximum Number of Indoor Units	Qty.	12		14	
Water Side (Standard)	BPHE Inlet Pipe (Female Thread)	in.	1-1/4 FPT		1-1/4 FPT	
	BPHE Outlet Pipe (Female Thread)	in.	1-1/4 FPT		1-1/4 FPT	
	Drain Pipe (Female Thread)	in.	1/2 FPS		1/2 FPS	
	Maximum System Water Pressure (BPHE)	psi	285		285	
	Standard Inlet Water Temperature Range	°F	50 - 113		50 - 113	
	Recommended Inlet Water Flow Rate per Module (min.)*	gpm	16.4 ~ 39.5 (13.2)		16.4 ~ 39.5 (13.2)	
Water Side (Geothermal)	Inlet Water Temperature Range Cooling**	°F	27 (34***) - 113		27 (34***) - 113	
	Inlet Water Temperature Range Heating	°F	14 - 113		14 - 113	
	Water Flow Rate	gpm	21 - 40		21 - 40	
Unit	Weight	lbs.	330		330	
	Dimensions (H x W x D)	in.	39-3/8 x 30-3/4 x 21-11/16			
Electrical	Voltage Range (min - max)	V/ph/Hz	187 - 253		187 - 253	
	Maximum Overcurrent Protection (MOP)	A	40		40	
	Minimum Circuit Amps (MCA)	A	22.4		22.4	
	Compressor Rated Load Amps (RLA)	A	11.6		15.4	
Compressor	Compressor Type		Daikin G-Type Scroll		Daikin G-Type Scroll	
	Compressor Set-Up		1 INV		1 INV	
	Compressor Capacity Control	%	23 - 100		23 - 100	

1 Indoor temp. : 80°FDB, 67°FWB/inlet water temp. : 85°F/o Equivalent piping length : 25ft, level difference : 0ft.
2 Indoor temp. : 70°FDB, 60°FWB/inlet water temp. : 70°F/Equivalent piping length : 25ft, level difference : 0ft.
* Please note that a water strainer is required for each condensing unit model and now must be field supplied (strainer specification = 50 mesh).
** Application rules apply below 48°F. Please contact your local Daikin office for design assistance and approval.
*** The minimum cooling EWT is 34°F when the condensing unit is located below the indoor units.

Double Module System 208-230V

RWEYQ_PTJU

A modular, energy saving and reliable alternative to centralized equipment.

Key features include:

- Compact lightweight casing at 39-3/8” in height and 330 lbs. in weight
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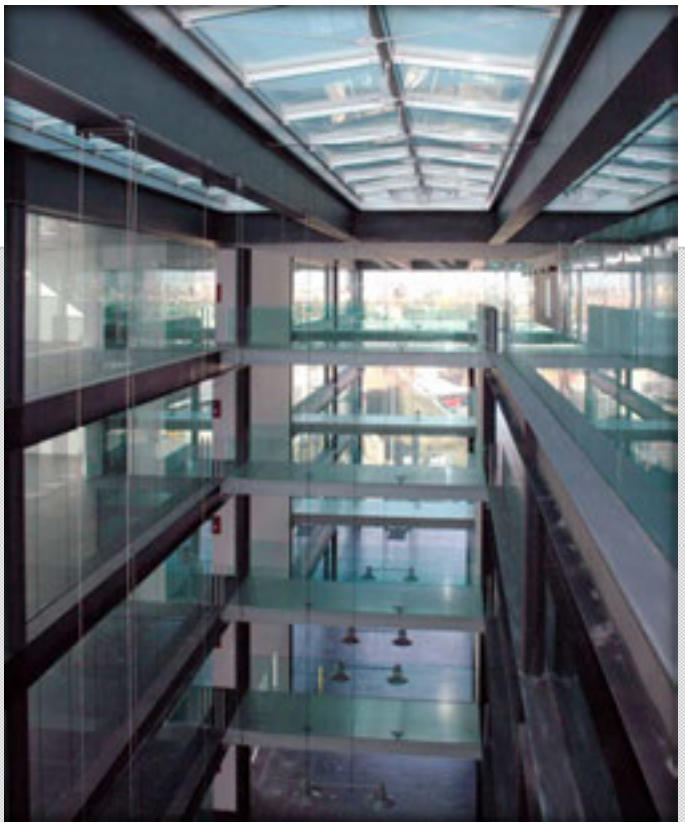
- As standard VRV-WIII can operate with condenser water temperatures down to 50°F but this can be extended to an industry leading 14°F in heating

VRV-WIII

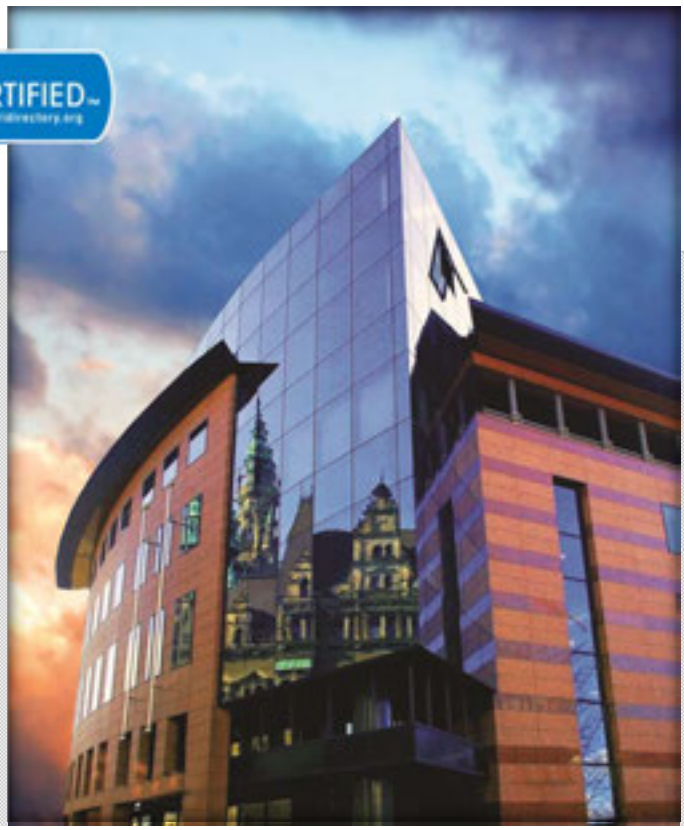


VRV-WIII Unified Heat Pump and Heat Recovery			12 Ton		14 Ton	
Model	Name		RWEYQ144PTJU		RWEYQ168PTJU	
	Combination		2 x RWEYQ72PTJU		2 x RWEYQ84PTJU	
Performance	Cooling Capacity[1]	Btu/h	144,000		168,000	
	Cooling Input Power	kW	8.4		11.2	
	Heating Capacity[2]	Btu/h	162,000		189,000	
	Heating Input Power	kW	8.0		10.8	
	Power	V/ph/Hz	208-230/3/60			
	Sound Pressure Level @ 3ft.	dB(A)	53		54	
Refrigerant Piping	System Configuration		Heat Pump	Heat Recovery	Heat Pump	Heat Recovery
	Liquid Pipe (Main Line)	in.	1/2	1/2	5/8	5/8
	Suction Gas Pipe (Main Line)	in.	1-1/8	1-1/8	1-1/8	1-1/8
	Discharge Gas Pipe (Main Line)	in.	N/A	7/8	N/A	7/8
	Vertical Pipe Length (if unit is below FCU)	ft.	164 (130)		164 (130)	
	Actual Pipe Length (Equivalent Length)	ft.	390 (459)		390 (459)	
	Total Pipe Length	ft.	980		980	
Connection Ratio	Standard Connectable Indoor Unit Ratio	%	50 - 130		50 - 130	
	Maximum Number of Indoor Units	Qty.	20		20	
Water Side (Standard)	BPHE Inlet Pipe (Female Thread)	in.	2 x (1-1/4 FPT)		2 x (1-1/4 FPT)	
	BPHE Outlet Pipe (Female Thread)	in.	2 x (1-1/4 FPT)		2 x (1-1/4 FPT)	
	Drain Pipe (Female Thread)	in.	2 x (1/2 FPS)		2 x (1/2 FPS)	
	Maximum System Water Pressure (BPHE)	psi	285		285	
	Standard Inlet Water Temperature Range	°F	50 - 113		50 - 113	
	Recommended Inlet Water Flow Rate per Module (min.)*	gpm	16.4 ~ 39.5 (13.2)		16.4 ~ 39.5 (13.2)	
Water Side (Geothermal)	Inlet Water Temperature Range Cooling**	°F	27 (34***) - 113		27 (34***) - 113	
	Inlet Water Temperature Range Heating	°F	14 - 113		14 - 113	
	Water Flow Rate	gpm	21 - 40		21 - 40	
Unit	Weight	lbs.	2 x 330		2 x 330	
	Dimensions (H x W x D)	in.	39-3/8 x (30-3/4 x 2) x 21-11/16			
Electrical	Voltage Range (min - max)	V/ph/Hz	187 - 253		187 - 253	
	Maximum Overcurrent Protection (MOP)	A	40 + 40		40 + 40	
	Minimum Circuit Amps (MCA)	A	22.4 + 22.4		22.4 + 22.4	
	Compressor Rated Load Amps (RLA)	A	11.6 + 11.6		15.4 + 15.4	
Compressor	Compressor Type		Daikin G-Type Scroll		Daikin G-Type Scroll	
	Compressor Set-Up		1 INV + 1 INV		1 INV + 1 INV	
	Compressor Capacity Control	%	11 - 100		11 – 100	

1 Indoor temp. : 80°FDB, 67°FWB/inlet water temp. : 85°F/outlet water temp. : 95°F Equivalent piping length : 25ft, level difference : 0ft.
2 Indoor temp. : 70°FDB, 60°FWB/inlet water temp. : 70°F/Equivalent piping length : 25ft, level difference : 0ft.
* Please note that a water strainer is required for each condensing unit model and now must be field supplied (strainer specification = 50 mesh).
** Application rules apply below 48°F. Please contact your local Daikin office for design assistance and approval.
*** The minimum cooling EWT is 34°F when the condensing unit is located below the indoor units.

Triple Module System 208-230V

RWEYQ_PTJU



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VRV-WIII

VRV-WIII Unified Heat Pump and Heat Recovery			18 Ton		21 Ton	
Model	Name		RWEYQ216PTJU		RWEYQ252PTJU	
	Combination		3 x RWEYQ72PTJU		3 x RWEYQ84PTJU	
Performance	Cooling Capacity[1]	Btu/h	216,000		252,000	
	Cooling Input Power	kW	12.6		16.8	
	Heating Capacity[2]	Btu/h	243,000		283,500	
	Heating Input Power	kW	12.0		16.2	
	Power	V/ph/Hz	208-230/3/60			
	Sound Pressure Level @ 3ft.	dB(A)	56		57	
Refrigerant Piping	System Configuration		Heat Pump	Heat Recovery	Heat Pump	Heat Recovery
	Liquid Pipe (Main Line)	in.	5/8	5/8	3/4	3/4
	Suction Gas Pipe (Main Line)	in.	1-3/8	1-3/8	1-3/8	1-3/8
	Discharge Gas Pipe (Main Line)	in.	N/A	1-1/8	N/A	1-1/8
	Vertical Pipe Length (if unit is below FCU)	ft.	164 (130)		164 (130)	
	Actual Pipe Length (Equivalent Length)	ft.	390 (459)		390 (459)	
	Total Pipe Length	ft.	980		980	
Connection Ratio	Standard Connectable Indoor Unit Ratio	%	50 - 130		50 - 130	
	Maximum Number of Indoor Units	Qty.	22		22	
Water Side (Standard)	BPHE Inlet Pipe (Female Thread)	in.	3 x (1-1/4 FPT)		3 x (1-1/4 FPT)	
	BPHE Outlet Pipe (Female Thread)	in.	3 x (1-1/4 FPT)		3 x (1-1/4 FPT)	
	Drain Pipe (Female Thread)	in.	3 x (1/2 FPS)		3 x (1/2 FPS)	
	Maximum System Water Pressure (BPHE)	psi	285		285	
	Standard Inlet Water Temperature Range	°F	50 - 113		50 - 113	
	Recommended Inlet Water Flow Rate per Module (min.)*	gpm	16.4 ~ 39.5 (13.2)		16.4 ~ 39.5 (13.2)	
Water Side (Geothermal)	Inlet Water Temperature Range Cooling**	°F	27 (34***) - 113		27 (34***) - 113	
	Inlet Water Temperature Range Heating	°F	14 - 113		14 - 113	
	Water Flow Rate	gpm	21 - 40		21 - 40	
Unit	Weight	lbs.	3 x 330		3 x 330	
	Dimensions (H x W x D)	in.	39-3/8 x (30-3/4 x 3) x 21-11/16			
Electrical	Voltage Range (min - max)	V/ph/Hz	187 - 253		187 - 253	
	Maximum Overcurrent Protection (MOP)	A	40 + 40 + 40		40 + 40 + 40	
	Minimum Circuit Amps (MCA)	A	22.4 + 22.4 + 22.4		22.4 + 22.4 + 22.4	
	Compressor Rated Load Amps (RLA)	A	11.6 + 11.6 + 11.6		11.6 + 11.6 + 11.6	
Compressor	Compressor Type		Daikin G-Type Scroll		Daikin G-Type Scroll	
	Compressor Set-Up		1 INV + 1 INV + 1 INV		1 INV + 1 INV + 1 INV	
	Compressor Capacity Control	%	8 - 100		8 - 100	

1 Indoor temp. : 80°FDB, 67°FWB/inlet water temp. : 85°F/outlet water temp. : 95°F Equivalent piping length : 25ft, level difference : 0ft.

2 Indoor temp. : 70°FDB, 60°FWB/inlet water temp. : 70°F/Equivalent piping length : 25ft, level difference : 0ft.

* Please note that a water strainer is required for each condensing unit model and now must be field supplied (strainer specification = 50 mesh).

** Application rules apply below 48°F. Please contact your local Daikin office for design assistance and approval.

*** The minimum cooling EWT is 34°F when the condensing unit is located below the indoor units.

Single Module System 460V

RWEYQ_PYDN

A modular, energy saving and reliable alternative to centralized equipment.

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VRV-WIII

VRV-WIII Unified Heat Pump and Heat Recovery			6 Ton		7 Ton	
Model	Name		RWEYQ72PYDN		RWEYQ84PYDN	
Performance	Cooling Capacity[1]	Btu/h	72,000		84,000	
	Cooling Input Power	kW	4.2		5.6	
	Heating Capacity[2]	Btu/h	81,000		94,000	
	Heating Input Power	kW	4.0		5.4	
	Power	V/ph/Hz	460/3/60			
	Sound Pressure Level @ 3ft.	dB(A)	50		51	
Refrigerant Piping	System Configuration		Heat Pump	Heat Recovery	Heat Pump	Heat Recovery
	Liquid Pipe (Main Line)	in.	3/8	3/8	3/8	3/8
	Suction Gas Pipe (Main Line)	in.	3/4	3/4	7/8	7/8
	Discharge Gas Pipe (Main Line)	in.	N/A	5/8	N/A	3/4
	Vertical Pipe Length (if unit is below FCU)	ft.	164 (130)		164 (130)	
	Actual Pipe Length (Equivalent Length)	ft.	390 (459)		390 (459)	
	Total Pipe Length	ft.	980		980	
Connection Ratio	Standard Connectable Indoor Unit Ratio	%	50 - 130		50 - 130	
	Maximum Number of Indoor Units	Qty.	12		14	
Water Side (Standard)	BPHE Inlet Pipe (Female Thread)	in.	1-1/4 FPT		1-1/4 FPT	
	BPHE Outlet Pipe (Female Thread)	in.	1-1/4 FPT		1-1/4 FPT	
	Drain Pipe (Female Thread)	in.	1/2 FPS		1/2 FPS	
	Maximum System Water Pressure (BPHE)	psi	285		285	
	Standard Inlet Water Temperature Range	°F	50 - 113		50 - 113	
	Recommended Inlet Water Flow Rate per Module (min.)*	gpm	16.4 ~ 39.5 (13.2)		16.4 ~ 39.5 (13.2)	
Water Side (Geothermal)	Inlet Water Temperature Range Cooling**	°F	27 (34***) - 113		27 (34***) - 113	
	Inlet Water Temperature Range Heating	°F	14 - 113		14 - 113	
	Water Flow Rate	gpm	21 - 40		21 - 40	
Unit	Weight	lbs.	330		330	
	Dimensions (H x W x D)	in.	39-3/8 x 30-3/4 x 21-11/16			
Electrical	Voltage Range (min - max)	V/ph/Hz	414 - 506		414 - 506	
	Maximum Overcurrent Protection (MOP)	A	15		15	
	Minimum Circuit Amps (MCA)	A	10.2		10.2	
	Compressor Rated Load Amps (RLA)	A	5.3		7.0	
Compressor	Compressor Type		Daikin G-Type Scroll		Daikin G-Type Scroll	
	Compressor Set-Up		1 INV		1 INV	
	Compressor Capacity Control	%	23 - 100		23 - 100	

1 Indoor temp. : 80°FDB, 67°FWB/inlet water temp. : 85°F/outlet water temp. : 95°F Equivalent piping length : 25ft, level difference : 0ft.
2 Indoor temp. : 70°FDB, 60°FWB/inlet water temp. : 70°F/Equivalent piping length : 25ft, level difference : 0ft.
* Please note that a water strainer is required for each condensing unit model and now must be field supplied (strainer specification = 50 mesh).
** Application rules apply below 48°F. Please contact your local Daikin office for design assistance and approval.
*** The minimum cooling EWT is 34°F when the condensing unit is located below the indoor units.

Double Module System 460V

RWEYQ_PYDN

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VRV-WIII

VRV-WIII Unified Heat Pump and Heat Recovery			12 Ton		14 Ton	
Model	Name		RWEYQ144PYDN		RWEYQ168PYDN	
	Combination		2 x RWEYQ72PYDN		2 x RWEYQ84PYDN	
Performance	Cooling Capacity[1]	Btu/h	144,000		168,000	
	Cooling Input Power	kW	8.4		11.2	
	Heating Capacity[2]	Btu/h	162,000		189,000	
	Heating Input Power	kW	8.0		10.8	
	Power	V/ph/Hz	460/3/60			
	Sound Pressure Level @ 3ft.	dB(A)	53		54	
Refrigerant Piping	System Configuration		Heat Pump	Heat Recovery	Heat Pump	Heat Recovery
	Liquid Pipe (Main Line)	in.	1/2	1/2	5/8	5/8
	Suction Gas Pipe (Main Line)	in.	1-1/8	1-1/8	1-1/8	1-1/8
	Discharge Gas Pipe (Main Line)	in.	N/A	7/8	N/A	7/8
	Vertical Pipe Length (if unit is below FCU)	ft.	164 (130)		164 (130)	
	Actual Pipe Length (Equivalent Length)	ft.	390 (459)		390 (459)	
	Total Pipe Length	ft.	980		980	
Connection Ratio	Standard Connectable Indoor Unit Ratio	%	50 - 130		50 - 130	
	Maximum Number of Indoor Units	Qty.	20		20	
Water Side (Standard)	BPHE Inlet Pipe (Female Thread)	in.	2 x (1-1/4 FPT)		2 x (1-1/4 FPT)	
	BPHE Outlet Pipe (Female Thread)	in.	2 x (1-1/4 FPT)		2 x (1-1/4 FPT)	
	Drain Pipe (Female Thread)	in.	2 x (1/2 FPS)		2 x (1/2 FPS)	
	Maximum System Water Pressure (BPHE)	psi	285		285	
	Standard Inlet Water Temperature Range	°F	50 - 113		50 - 113	
	Recommended Inlet Water Flow Rate per Module (min.)*	gpm	16.4 ~ 39.5 (13.2)		16.4 ~ 39.5 (13.2)	
Water Side (Geothermal)	Inlet Water Temperature Range Cooling**	°F	27 (34***) - 113		27 (34***) - 113	
	Inlet Water Temperature Range Heating	°F	14 - 113		14 - 113	
	Water Flow Rate	gpm	21 - 40		21 - 40	
Unit	Weight	lbs.	2 x 330		2 x 330	
	Dimensions (H x W x D)	in.	39-3/8 x (30-3/4 x 2) x 21-11/16			
Electrical	Voltage Range (min - max)	V/ph/Hz	414 - 506		414 - 506	
	Maximum Overcurrent Protection (MOP)	A	15 + 15		15 + 15	
	Minimum Circuit Amps (MCA)	A	10.2 + 10.2		10.2 + 10.2	
	Compressor Rated Load Amps (RLA)	A	5.3 + 5.3		7.0 + 7.0	
Compressor	Compressor Type		Daikin G-Type Scroll		Daikin G-Type Scroll	
	Compressor Set-Up		1 INV + 1 INV		1 INV + 1 INV	
	Compressor Capacity Control	%	11 - 100		11 – 100	

1 Indoor temp. : 80°FDB, 67°FWB/inlet water temp. : 85°F/outlet water temp. : 95°F Equivalent piping length : 25ft, level difference : 0ft.
2 Indoor temp. : 70°FDB, 60°FWB/inlet water temp. : 70°F/Equivalent piping length : 25ft, level difference : 0ft.
* Please note that a water strainer is required for each condensing unit model and now must be field supplied (strainer specification = 50 mesh).
** Application rules apply below 48°F. Please contact your local Daikin office for design assistance and approval.
*** The minimum cooling EWT is 34°F when the condensing unit is located below the indoor units.

Triple Module System 460V

RWEYQ_PYDN

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VRV-WIII

VRV-WIII Unified Heat Pump and Heat Recovery			18 Ton		21 Ton	
Model	Name		RWEYQ216PYDN		RWEYQ252PYDN	
	Combination		3 x RWEYQ72PYDN		3 x RWEYQ84PYDN	
Performance	Cooling Capacity[1]	Btu/h	216,000		252,000	
	Cooling Input Power	kW	12.6		16.8	
	Heating Capacity[2]	Btu/h	243,000		283,500	
	Heating Input Power	kW	12.0		16.2	
	Power	V/ph/Hz	460/3/60			
	Sound Pressure Level @ 3ft.	dB(A)	56		57	
Refrigerant Piping	System Configuration		Heat Pump	Heat Recovery	Heat Pump	Heat Recovery
	Liquid Pipe (Main Line)	in.	5/8	5/8	3/4	3/4
	Suction Gas Pipe (Main Line)	in.	1-3/8	1-3/8	1-3/8	1-3/8
	Discharge Gas Pipe (Main Line)	in.	N/A	1-1/8	N/A	1-1/8
	Vertical Pipe Length (if unit is below FCU)	ft.	164 (130)		164 (130)	
	Actual Pipe Length (Equivalent Length)	ft.	390 (459)		390 (459)	
	Total Pipe Length	ft.	980		980	
Connection Ratio	Standard Connectable Indoor Unit Ratio	%	50 - 130		50 - 130	
	Maximum Number of Indoor Units	Qty.	22		22	
Water Side (Standard)	BPHE Inlet Pipe (Female Thread)	in.	3 x (1-1/4 FPT)		3 x (1-1/4 FPT)	
	BPHE Outlet Pipe (Female Thread)	in.	3 x (1-1/4 FPT)		3 x (1-1/4 FPT)	
	Drain Pipe (Female Thread)	in.	3 x (1/2 FPS)		3 x (1/2 FPS)	
	Maximum System Water Pressure (BPHE)	psi	285		285	
	Standard Inlet Water Temperature Range	°F	50 - 113		50 - 113	
	Recommended Inlet Water Flow Rate per Module (min.)*	gpm	16.4 ~ 39.5 (13.2)		16.4 ~ 39.5 (13.2)	
Water Side (Geothermal)	Inlet Water Temperature Range Cooling**	°F	27 (34***) - 113		27 (34***) - 113	
	Inlet Water Temperature Range Heating	°F	14 - 113		14 - 113	
	Water Flow Rate	gpm	21 - 40		21 - 40	
Unit	Weight	lbs.	3 x 330		3 x 330	
	Dimensions (H x W x D)	in.	39-3/8 x (30-3/4 x 3) x 21-11/16			
Electrical	Voltage Range (min - max)	V/ph/Hz	414 - 506		414 - 506	
	Maximum Overcurrent Protection (MOP)	A	15 + 15 + 15		15 + 15 + 15	
	Minimum Circuit Amps (MCA)	A	10.2 + 10.2 + 10.2		10.2 + 10.2 + 10.2	
	Compressor Rated Load Amps (RLA)	A	5.3 + 5.3 + 5.3		7.0 + 7.0 + 7.0	
Compressor	Compressor Type		Daikin G-Type Scroll		Daikin G-Type Scroll	
	Compressor Set-Up		1 INV + 1 INV + 1 INV		1 INV + 1 INV + 1 INV	
	Compressor Capacity Control	%	8 - 100		8 - 100	

1 Indoor temp. : 80°FDB, 67°FWB/inlet water temp. : 85°F/outlet water temp. : 95°F Equivalent piping length : 25ft, level difference : 0ft.
2 Indoor temp. : 70°FDB, 60°FWB/inlet water temp. : 70°F/Equivalent piping length : 25ft, level difference : 0ft.
* Please note that a water strainer is required for each condensing unit model and now must be field supplied (strainer specification = 50 mesh).
** Application rules apply below 48°F. Please contact your local Daikin office for design assistance and approval.
*** The minimum cooling EWT is 34°F when the condensing unit is located below the indoor units.

Installation Space

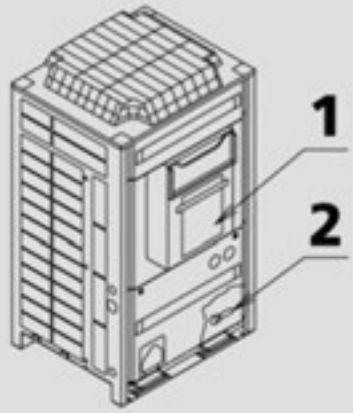
VRV III

Standard supplied accessories

Confirm the following accessories are included. The storage location of the accessories is shown in figure 1. (Refer to figure 1)

1. Clamps, Manuals, etc.
2. Accessory pipes

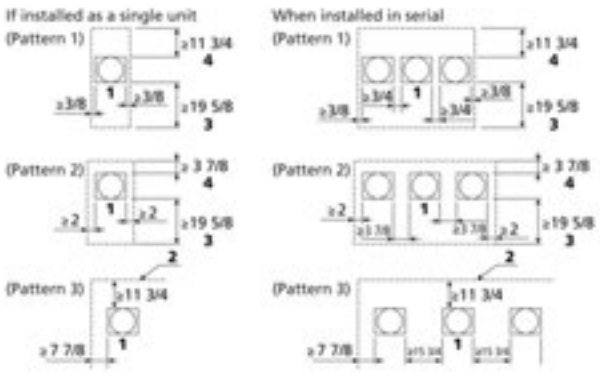
Figure 1

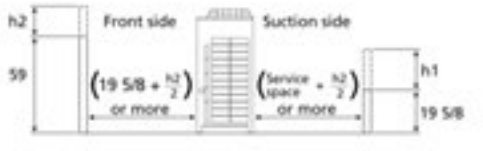


Installation Space Examples

- The installation space requirement shown in figure 2 is a reference for cooling.
- During installation, install the units using the most appropriate of the patterns shown in figure 2 for the location in question, taking into consideration human traffic and wind.
- If the number of units installed is more than that shown in the pattern in figure 2, install the units so that there is no air short circuiting.
- As regards to space in front of the unit, consider the space needed for the refrigerant piping when installing the units, as determined by local codes.
- If the space requirements in figure 2 do not apply, contact your contractor or Daikin directly.
  (Refer to figure 2)
  1. Front side
  2. No limit to wall height
  3. Service space of front side
  4. Service space of suction side

Figure 2



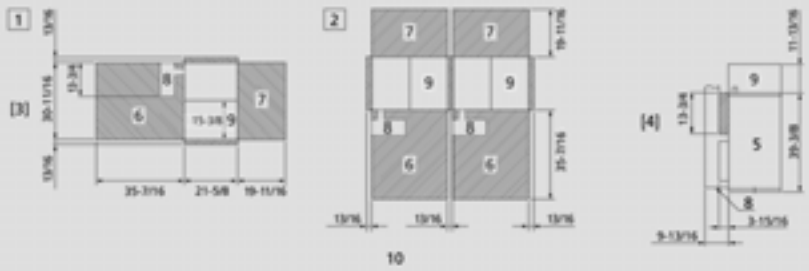


For Patterns 1 and 2 in figure 2:

- Wall height for front side – no higher than 59 in.
- Wall height on the suction side – no higher than 19-5/8 in.
- Wall height for sides – no limit.
- If the above height is exceeded, calculate h1 and h2 shown in the figure below, and add h2/2 to the service space of front side and h1/2 to the service space of suction side.

Installation Space

VRV-WIII



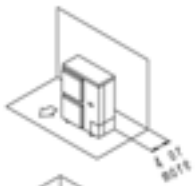
1. In case of a single installation [inch.]
2. In case of multiple unit installation [inch.]
3. Top view
4. Side view
5. Condensing unit
6. Service Space (front side)
7. Service Space (back side)
8. Space for installing water piping secure enough space for removing the front panel.
9. Ventilation Space above the area ( ) of the condensing unit.
10. Secure spaces in the front, back and top sides as same as the case of single installation.

VRV III-S

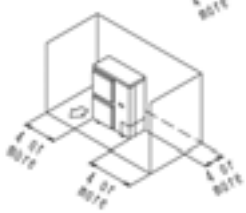
The unit values are in inches

In case of series installation, some space between the units is needed for wiring with conduit and servicing.

1. Where there is an obstacle on the suction side:
   (a) No obstacle above
      (1) Stand-alone installation
         - Obstacle on the suction side only



         - Obstacle on both sides



2. Where there is an obstacle on the discharge side:
   (a) No obstacle above
      (1) Stand-alone installation

VRV Indoor Units

Daikin offers a wide selection of ducted and duct-free units in capacities from 7,500 Btu/h to 96,000 Btu/h. Designed for absolute comfort and versatility with a sleek and sophisticated design, indoor units provide zoning flexibility and comfort control for almost any application.

Wall- Mounted: FXAQ

Stylish and compact, wall-mounted units blend discreetly into any interior design. Available in capacities up to 24,000 Btu/h, units are ideal for smaller zone applications such as retail, offices, hotel rooms, and multi-family residences.

Ceiling Suspended: FXHQ

Slim and elegant in design, the ceiling suspended unit features wide air openings and an innovative sirocco fan for comfortable airflow and quiet operation. A great fit for any light commercial space, this indoor unit is ideal for retail stores, restaurants, classrooms, and conference rooms.

Ceiling-Mounted Cassette: FXZQ and FXFQ

Designed for customizable comfort, ceiling-mounted cassettes are available in two styles. The FXZQ provides up to a four-way airflow option with quiet sound levels as low as 29dB(A). Designed to fit in a standard 2' x 2' ceiling grid, these units are ideal for smaller room applications. The FXFQ round flow cassette features 23 configurable airflow distribution patterns, minimizing variances in temperature and airflow discomfort. This model is a great fit for open plan applications, and provides supreme ideal distribution and maximum comfort control.

Floor Standing: FXNQ and FXLQ

Durable and versatile, floor-standing units can be easily installed concealed (FXNQ) or exposed (FXLQ) along a perimeter wall. Built with a space-saving design in capacities from 12,000 Btu/h to 24,000 Btu/h, these indoor units offer a balance of comfort and visual appeal for churches, classrooms, hospital rooms, office hallways, and similar spaces.

Vertical Air Handling Unit: FXTQ

Intelligent and energy-saving, the FXTQ is designed for attic and closet applications. Integrated with an electronic expansion valve, printed circuit boards, and an ECM motor, indoor units offer energy efficiency with installation ease. Up flow and horizontal right configurations with capacities ranging from 12,000 Btu/h to 54,000 Btu/h provide design flexibility for retrofit and new construction applications.

Concealed Ceiling Unit: FXDQ and FXMQ

Powerful and compact, concealed ceiling units are available in low-profile (FXDQ) and medium to high static styles (FXMQ_M & FXMQ_P). Slim in height for concealed, above the ceiling installation, indoor units offer design flexibility with ducted capabilities. Designed for applications where ceiling space is limited or where a hidden solution is desired, these indoor styles are perfect for residential applications, hotels, schools, office buildings, and churches.

Outside Air: VAM and FXMQ_MF

Efficient with superior performance, the ERV is designed to maintain good indoor air quality by providing sufficient levels of fresh outside air and recovering waste heat from extracted air leaving the conditioned zone. This indoor unit has unique features such as independent operation, the ability to interlock with other HVAC systems and automatic night purge to reduce cooling loads and increase energy savings. The FXMQ_MF indoor unit provides both fresh air treatment and heating and cooling capabilities in a single system. Easily connected to Daikin fan coil units, the 100% outside air processing unit can be connected to the same refrigerant line for design flexibility and reduced system cost.

	Indoor Type	Capacity (kbtu/h)	7.5	9	12	18	24	30	36	42	48	54	72	96
Duct-free	Ceiling-Mounted Round Flow Cassette FXFQ_PVJU			● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●		● ● ●			
	Ceiling-Mounted 4-Way Cassette Unit 2'x2' FXZQ_M7VJU		● ● ●	● ● ●	● ● ●	● ● ●								
	Wall-Mounted Unit FXAQ_PVJU		●	●	●	●	●							
	Ceiling Suspended Unit FXHQ_MVJU				●		●		●					
	Floor Standing Unit FXLQ_MVJU9				●	●	●							
	Concealed Floor Standing Unit FXNQ_MVJU9				● ●	● ●	● ●							
Ducted	Vertical Air Handling Unit FXTQ_PAVJU				● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●		
	DC Ducted Concealed Ceiling Unit (Medium to High Static) FXMQ_PVJU			● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●		● ● ●			
	Concealed Ceiling Unit (Medium to High Static) FXMQ_MVJU												● ●	● ●
	Slim Duct Built-in Concealed Ceiling Unit FXDQ_MVJU		● ● ●	● ● ●	● ● ●	● ● ●	● ● ●							
Ventilation	100% Outside Air Processing Unit FXMQ_MFVJU										● ●		● ●	● ●
	Energy Recovery Ventilator VAM_GVJU			● ●	Available in 300, 470, 600, and 1200 CFM									

● Available (12 types, 55 models)
● Outside air connection possible
● Condensate pump standard

Round Flow Cassette

FXFQ_PVJU

BRC1E72
(Option)

BRC2A71
(Option)

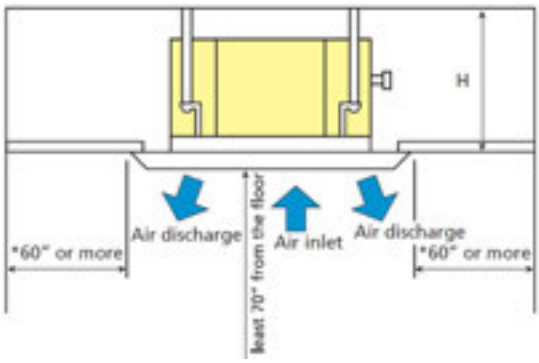
Customizable comfort in an elegant design.

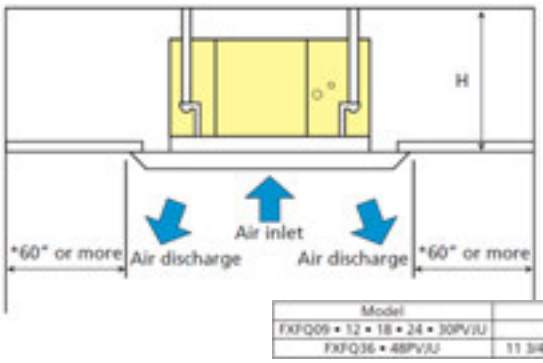
Key features and benefits:

- 360° airflow to reduce drafts and improve comfort
- Models range from 9 MBH to 48 MBH
- Improved flexibility with 23 different possible airflow patterns, ensuring ideal air distribution to maximize comfort and savings
- Lower air velocities for better room airflow distribution
- Reduced unit weight and improved efficiency with a light weight fan
- Stain resistant and easily cleanable decoration panel coating
- Condensate pump with vertical lift of up to 33-1/2" included as standard

FXFQ Specifications			0.75 Ton	1.0 Ton	1.5 Ton	2.0 Ton	2.5 Ton	3.0 Ton	4.0 Ton
Model Name			FXFQ09PVJU	FXFQ12PVJU	FXFQ18PVJU	FXFQ24PVJU	FXFQ30PVJU	FXFQ36PVJU	FXFQ48PVJU
Power Supply		V/ph/Hz	208-230/1/60						
Cooling Capacity		Btu/h	9,500	12,000	18,000	24,000	30,000	36,000	48,000
Heating Capacity		Btu/h	10,500	13,500	20,000	27,000	34,000	40,000	54,000
Refrigerant			R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Refrigerant Control			Electronic Expansion Valve						
Airflow Rate HH/H/L		cfm	460/390/350	460/390/350	560/470/390	780/620/470	830/670/530	1,180/910/700	1,220/970/790
Unit Weight		lbs.	43	43	43	48.5	48.5	55	55
Unit Height		in.	9-11/16	9-11/16	9-11/16	9-11/16	9-11/16	11-5/16	11-5/16
Unit Width		in.	33-1/16	33-1/16	33-1/16	33-1/16	33-1/16	33-1/16	33-1/16
Unit Depth		in.	33-1/16	33-1/16	33-1/16	33-1/16	33-1/16	33-1/16	33-1/16
Sound Pressure HH/H/L		dB(A)	30/28/27	30/28/27	32/30/27	36/32/28	38/35/31	44/38/32	45/40/34
Unit Condensate Connection		in. O.D.	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4
Condensate Pump Lift		in.	33-1/2	33-1/2	33-1/2	33-1/2	33-1/2	33-1/2	33-1/2
Pipe Connections	Liquid	in.	1/4 (Flare)	1/4 (Flare)	1/4 (Flare)	3/8 (Flare)	3/8 (Flare)	3/8 (Flare)	3/8 (Flare)
	Gas	in.	1/2 (Flare)	1/2 (Flare)	1/2 (Flare)	5/8 (Flare)	5/8 (Flare)	5/8 (Flare)	5/8 (Flare)
External Finish			Galvanized Steel Plate						
Protection Devices			Fuse						
			Fan Motor Thermal Protector						
Recommended Fuse/Breaker		A	15	15	15	15	15	15	15

Installation Space





Model	H
FXFQ09 • 12 • 18 • 24 • 30PVJU	10"
FXFQ36 • 48PVJU	11 3/4" or more

2’ x 2’ 4-Way Cassette

FXZQ_MVJU

BRC1E72 (Option)

BRC2A71 (Option)

BRC7E830 (Option)

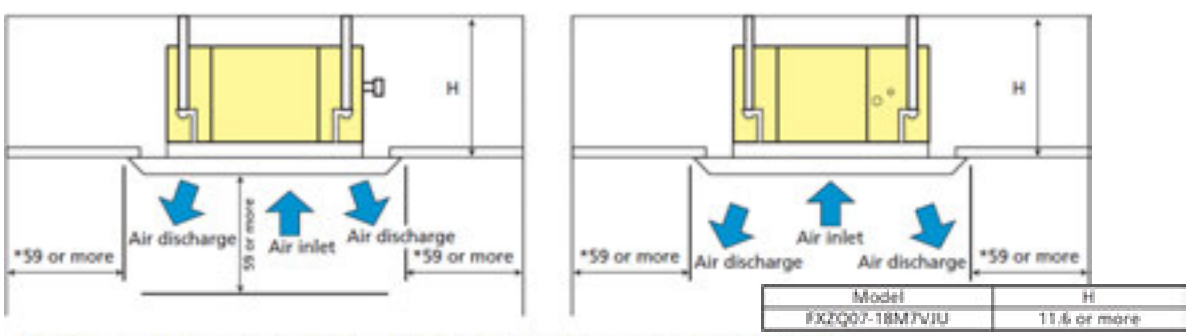
Compact, customizable comfort.

Key features and benefits:

- Sound pressure levels as low as 29 dB(A)
- Space-saving depth of units requires only 11.6” of ceiling space
- Three auto-swing positions to choose from – standard, draft prevention and ceiling stain prevention
- Simple installation with an easy-to-fit decoration panel and easy height adjustment
- Easy-to-clean grille, washable long-life filter
- Condensate pump with vertical lift of up to 21-1/2” included as standard

FXZQ Specifications			0.6 Ton	0.75 Ton	1.0 Ton	1.5 Ton
Model Name			FXZQ07M7VJU	FXZQ09M7VJU	FXZQ12M7VJU	FXZQ18M7VJU
Power Supply		V/ph/Hz	208-230/1/60			
Cooling Capacity		Btu/h	7,500	9,500	12,000	18,000
Heating Capacity		Btu/h	8,700	11,100	14,000	21,000
Refrigerant			R-410A	R-410A	R-410A	R-410A
Refrigerant Control			Electronic Expansion Valve			
Airflow Rate H/L		cfm	320/247	335/265	495/353	495/353
Unit Weight		lbs.	42	42	42	42
Unit Height		in.	11-1/4	11-1/4	11-1/4	11-1/4
Unit Width		in.	22-5/8	22-5/8	22-5/8	22-5/8
Unit Depth		in.	22-5/8	22-5/8	22-5/8	22-5/8
Sound Pressure H/L		dB(A)	31/29	33/29	41/34	41/34
Unit Condensate Connection		in. O.D.	1-1/32	1-1/32	1-1/32	1-1/32
Condensate Pump Lift		in.	21-1/2	21-1/2	21-1/2	21-1/2
Pipe Connections	Liquid	in.	1/4 (Flare)	1/4 (Flare)	1/4 (Flare)	1/4 (Flare)
	Gas	in.	1/2 (Flare)	1/2 (Flare)	1/2 (Flare)	1/2 (Flare)
External Finish			Galvanized Steel Plate			
Protection Devices			Fuse			
			Fan Motor Thermal Protector			
Recommended Fuse/Breaker		A	15	15	15	15

Installation Space



(NOTE) Leave 7 7/8 or more space where marked with the *, on sides where the air outlet is closed.

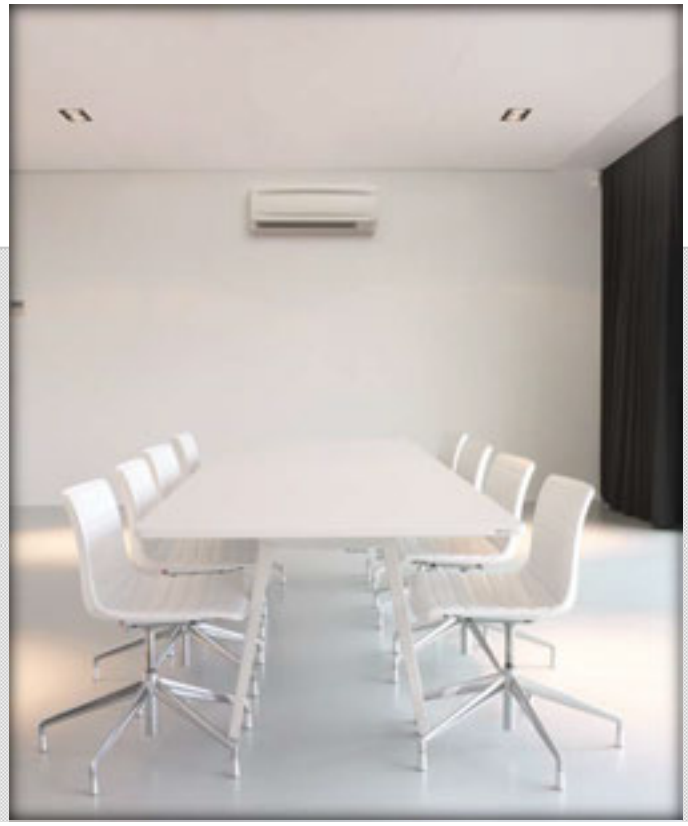
Wall Mounted Unit

FXAQ_PVJU

BRC1E72
(Option)

BRC2A71
(Option)

BRC7E818
(Option)



Stylishly compact design for any interior décor.

Key features and benefits:

- Auto-swing mechanism ensures efficient air distribution via louvers that automatically close when the unit is turned off
- Wide air discharge outlet distributes a comfortable airflow throughout the entire space
- Horizontal louvers and front panel can be easily removed for cleaning
- Drain pipe can be easily hidden from sight
- Filter included
- Models range from 7.5 MBH to 24 MBH

FXAQ Specifications			0.6 Ton	0.75 Ton	1.0 Ton	1.5 Ton	2.0 Ton
Model Name			FXAQ07PVJU	FXAQ09PVJU	FXAQ12PVJU	FXAQ18PVJU	FXAQ24PVJU
Power Supply		V/ph/Hz	208-230/1/60				
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	26,500
Refrigerant			R-410A	R-410A	R-410A	R-410A	R-410A
Refrigerant Control			Electronic Expansion Valve				
Airflow Rate H/L		cfm	260/160	280/175	300/180	500/400	635/470
Unit Weight		lbs.	26	26	26	31	31
Unit Height		in.	11-3/8	11-3/8	11-3/8	11-3/8	11-3/8
Unit Width		in.	31-1/4	31-1/4	31-1/4	41-3/8	41-3/8
Unit Depth		in.	9-1/4	9-1/4	9-1/4	9-1/4	9-1/4
Sound Pressure H/L		dB(A)	36/31	37/31	38/31	43/37	47/40
Unit Condensate Connection		in. O.D.	11/16	11/16	11/16	11/16	11/16
Pipe Connections	Liquid	in.	1/4 (Flare)	1/4 (Flare)	1/4 (Flare)	1/4 (Flare)	3/8 (Flare)
	Gas	in.	1/2 (Flare)	1/2 (Flare)	1/2 (Flare)	1/2 (Flare)	5/8 (Flare)
External Finish			Galvanized Steel Plate				
Protection Devices			Fuse				
			Fan Motor Thermal Protector				
Recommended Fuse/Breaker		A	15	15	15	15	15

Installation Space

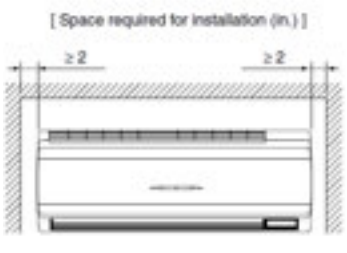


Fig. 1

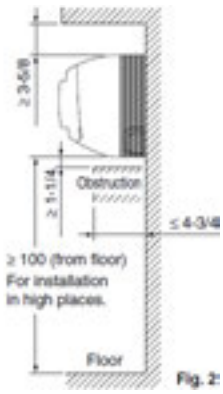


Fig. 2

Ceiling Suspended Unit

FXHQ_MVJU

BRC1E72 (Option)

BRC2A71 (Option)

BRC7E83 (Option)

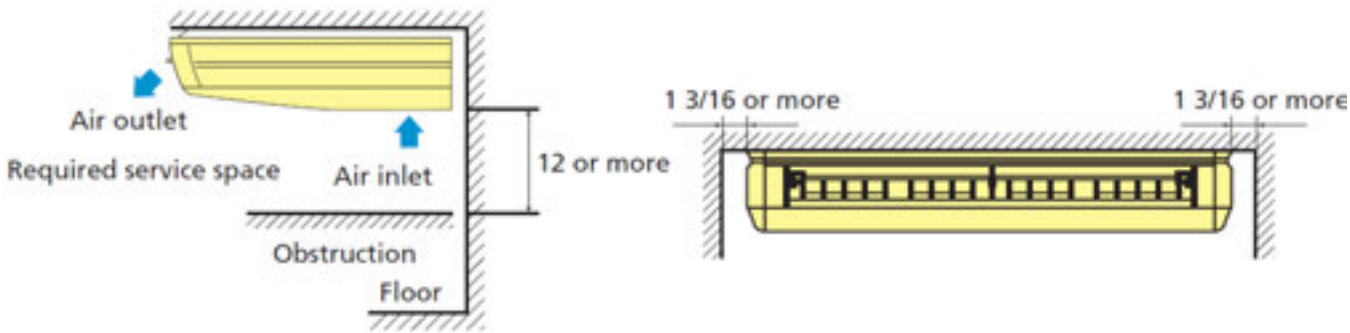
Comfortable airflow in a slim design.

Key features and benefits:

- One of our slimmest indoor units (less than 8”) fits within any interior design
- Wide air discharge outlet distributes a comfortable airflow throughout the entire space
- Innovative sirocco fan technology keeps sound pressure levels low
- Installation is fast and optional drain-up kit can be added easily
- Bristle-free, non-dew flap and flat design make cleaning simple
- Long-life filter provided as standard
- Models range from 12 MBH to 36 MBH

FXHQ Specifications			1.0 Ton	2.0 Ton	3.0 Ton
Model Name			FXHQ12MVJU	FXHQ24MVJU	FXHQ36MVJU
Power Supply		V/ph/Hz	208-230/1/60		
Cooling Capacity		Btu/h	12,000	24,000	36,000
Heating Capacity		Btu/h	13,500	27,000	40,000
Refrigerant			R-410A	R-410A	R-410A
Refrigerant Control			Electronic Expansion Vavle		
Airflow Rate H/L		cfm	410/340	710/600	830/670
Unit Weight		lbs.	55	80	90
Unit Height		in.	7-11/16	7-1/16	7-11/16
Unit Width		in.	37-13/16	55-1/8	62-5/8
Unit Depth		in.	26-3/4	26-3/4	26-3/4
Sound Pressure H/L		dB(A)	42/33	44/36	46/41
Unit Condensate Connection		in. O.D.	1 (Flare)	1 (Flare)	1 (Flare)
Pipe Connections	Liquid	in.	1/4 (Flare)	3/8 (Flare)	3/8 (Flare)
	Gas	in.	1/2 (Flare)	5/8 (Flare)	5/8 (Flare)
External Finish			White Casing		
Protection Devices			Fuse		
			Fan Motor Thermal Protector		
Recommended Fuse/Breaker		A	15	15	15

Installation Space



Floor Standing

FXLQ_MVJU9

BRC1E72
(Option)

BRC2A71
(Option)

BRC4C82
(Option)

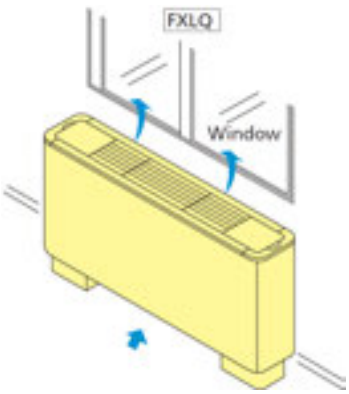
Balanced airflow in a space-saving design.

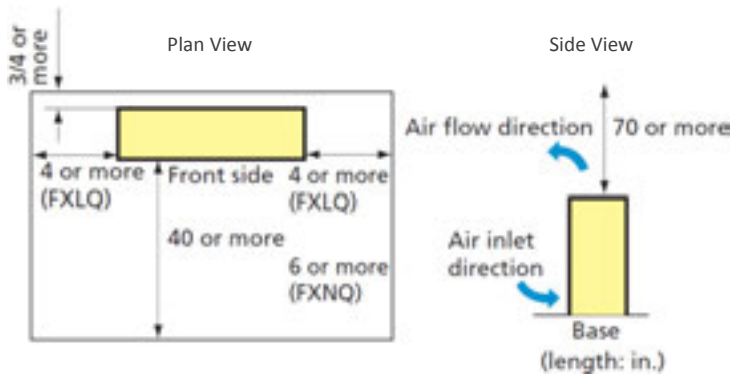
Key features and benefits:

- Ideal for installation beneath a window
- Unit requires minimal installation space
- Fitted with a washable long-life filter
- Remote controller options available
- Space-saving unit can be freestanding or wall-mounted, concealed or exposed
- Filter included
- Models range from 12 MBH to 24 MBH

FXLQ Specifications			1.0 Ton	1.5 Ton	2.0 Ton
Model Name			FXLQ12MVJU9	FXLQ18MVJU9	FXLQ24MVJU9
Power Supply		V/ph/Hz	208-230/1/60		
Cooling Capacity		Btu/h	12,000	18,000	24,000
Heating Capacity		Btu/h	13,500	20,000	27,000
Refrigerant			R-410A	R-410A	R-410A
Refrigerant Control			Electronic Expansion Vavle		
Airflow Rate H/L		cfm	280/210	490/380	560/420
Unit Weight		lbs.	66	80	80
Unit Height		in.	23-5/8	23-5/8	23-5/8
Unit Width		in.	44-7/8	55-7/8	55-7/8
Unit Depth		in.	8-3/4	8-3/4	8-3/4
Sound Pressure H/L		dB(A)	36/33	40/35	41/36
Unit Condensate Connection		in. O.D.	27/32	27/32	27/32
Pipe Connections	Liquid	in.	1/4 (Flare)	1/4 (Flare)	3/8 (Flare)
	Gas	in.	1/2 (Flare)	1/2 (Flare)	5/8 (Flare)
External Finish			Ivory White Casing		
Protection Devices			Fuse		
			Fan Motor Thermal Protector		
Recommended Fuse/Breaker		A	15	15	15

Installation Space





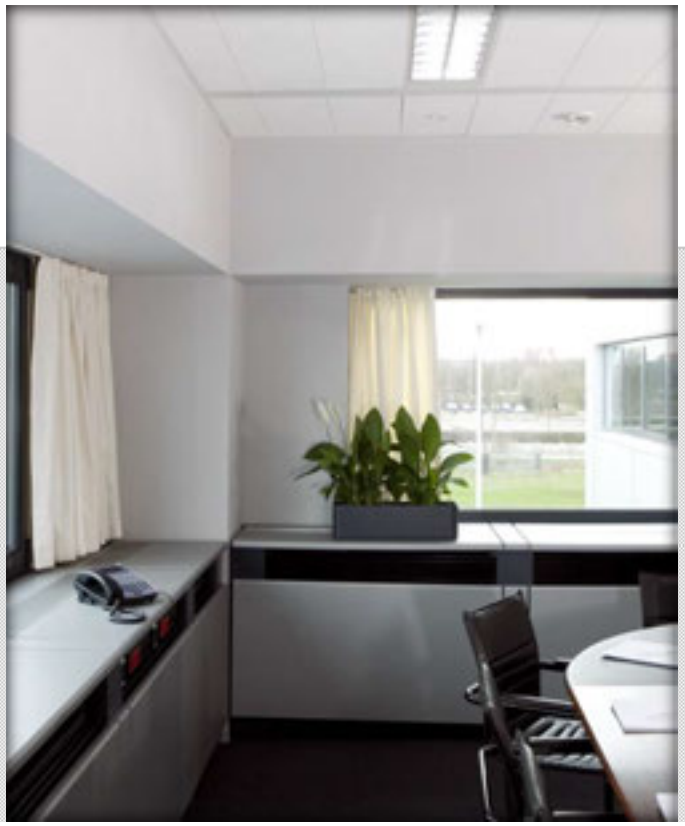
Concealed Floor Standing

FXNQ_MVJU9

BRC1E72
(Option)

BRC2A71
(Option)

BRC4C82
(Option)



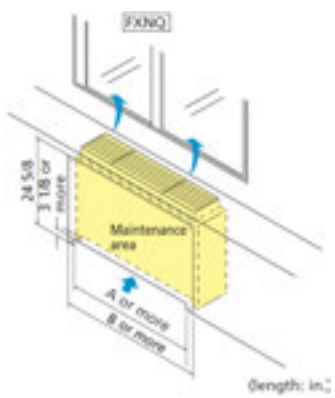
Hidden design for minimal installation space.

Key features and benefits:

- Ideal for installation beneath a window
- Unit requires minimal installation space
- Fitted with a washable long-life filter
- Remote controller options available
- Space-saving unit can be freestanding or wall-mounted and concealed
- Outside air integration possible
- Filter included
- Models range from 12 MBH to 24 MBH

FXNQ Specifications			1.0 Ton	1.5 Ton	2.0 Ton
Model Name			FXNQ12MVJU9	FXNQ18MVJU9	FXNQ24MVJU9
Power Supply		V/ph/Hz	208-230/1/60		
Cooling Capacity		Btu/h	12,000	18,000	24,000
Heating Capacity		Btu/h	13,500	20,000	27,000
Refrigerant			R-410A	R-410A	R-410A
Refrigerant Control			Electronic Expansion Vavle		
Airflow Rate H/L		cfm	280/210	490/380	560/420
Unit Weight		lbs.	51	60	60
Unit Height		in.	24	24	24
Unit Width		in.	42-1/8	53-1/8	53-1/8
Unit Depth		in.	8-5/8	8-5/8	8-5/8
Sound Pressure H/L		dB(A)	36/33	40/35	41/36
Unit Condensate Connection		in. O.D.	27/32	27/32	27/32
Pipe Connections	Liquid	in.	1/4 (Flare)	1/4 (Flare)	3/8 (Flare)
	Gas	in.	1/2 (Flare)	1/2 (Flare)	5/8 (Flare)
External Finish			Galvanized Steel Plate		
Protection Devices			Fuse		
			Fan Motor Thermal Protector		
Recommended Fuse/Breaker		A	15	15	15

Installation Space



Model	A (in.)	B (in.)
FXNQ12MVJU	28	46
FXNQ18MVJU	39	57
FXNQ24MVJU	39	57

Vertical Air Handling Unit

FXTQ_PAVJU

BRC1E72
(Option)

BRC2A71
(Option)

BRC4C82
(Option)

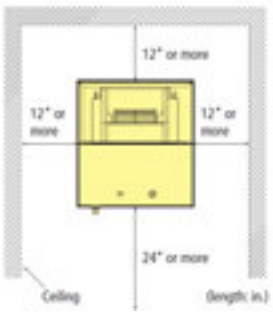
Compact solution with powerful capabilities.

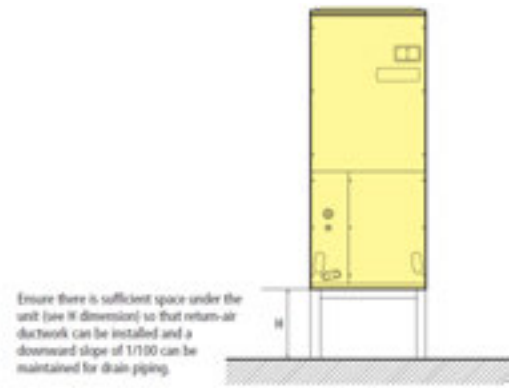
Key features and benefits:

- Reduced installation time with integrated Electronic Expansion Valve and Printed Circuit Boards
- Improved application flexibility with the ability to mix and match with other Daikin indoor units on the same system
- Reduced piping cost with smaller piping diameters
- Only up flow and horizontal right installation is permitted
- Improved user comfort with 2 selectable fan speeds (H and L)
- New fan “Auto” logic allowing the unit to be commissioned where the fan operation will cycle on and off with the load
- The ECM fan motor as standard contributes to the increase in energy efficiency, reduction in sound and increased ESP (up to 0.5” W.G.)

FXTQ Specifications			1.0 Ton	1.5 Ton	2.0 Ton	2.5 Ton	3.0 Ton	3.5 Ton	4.0 Ton	4.5 Ton
Model Name			FXTQ12PAVJU	FXTQ18PAVJU	FXTQ24PAVJU	FXTQ30PAVJU	FXTQ36PAVJU	FXTQ42PAVJU	FXTQ48PAVJU	FXTQ54PAVJU
Power Supply		V/ph/Hz	208-230/1/60							
Cooling Capacity		Btu/h	12,000	18,000	24,000	30,000	36,000	42,000	48,000	54,000
Heating Capacity		Btu/h	13,500	20,000	27,000	34,000	40,000	47,000	54,000	60,000
Refrigerant			R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Refrigerant Control			Electronic Expansion Valve							
Airflow Rate H/L		cfm	400/280	600/420	800/560	1,000/700	1,200/840	1,400/980	1,600/1,120	1,800/1,260
Unit Weight		lbs.	121	121	145	145	149	169	169	169
Unit Height		in.	46-3/4	46-3/4	53-1/4	53-1/4	53-1/4	53-1/4	53-1/4	53-1/4
Unit Width		in.	19-1/2	19-1/2	22	22	22	22	22	22
Unit Depth		in.	22	22	24	24	24	24	24	24
Sound Pressure H/L		dB(A)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
External Static Pressure Range		in. W.G.	up to 0.50	up to 0.50	up to 0.50	up to 0.50	up to 0.50	up to 0.50	up to 0.50	up to 0.50
Unit Condensate Connection		in. O.D.	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Pipe Connections	Liquid	in.	1/2 (Braze)	1/2 (Braze)	5/8 (Braze)	5/8 (Braze)	5/8 (Braze)	5/8 (Braze)	5/8 (Braze)	5/8 (Braze)
	Gas	in.	1/4 (Braze)	1/4 (Braze)	3/8 (Braze)	3/8 (Braze)	3/8 (Braze)	3/8 (Braze)	3/8 (Braze)	3/8 (Braze)
External Finish			Fully insulated, painted steel cabinet with gray finish							
Protection Devices			Fuse							
			Fan Motor Thermal Protector							
Recommended Fuse/Breaker		A	15	15	15	15	15	15	15	15

Installation Space





DC Ducted Concealed

FXMQ_PVJU

BRC1E72 (Option)

BRC2A71 (Option)

BRC4C82 (Option)

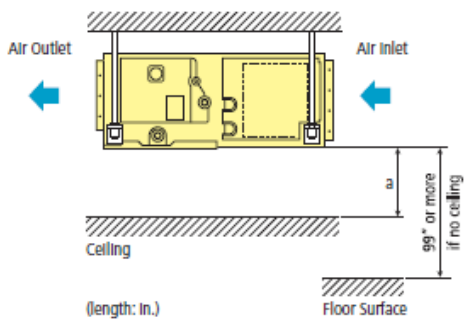
Powerful system with a concealed design.

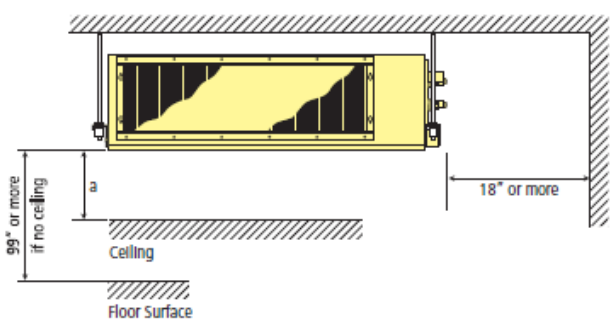
Key features and benefits:

- Available from 7.5 MBH to 48 MBH
- Improved efficiency with DC fan motor
- Auto adjusting airflow at commissioning based on ESP
- Medium ESP capabilities of up to 0.8" W.G.
- Three user selected fan speeds available plus fan "Auto" logic
- Low profile design – less that 12" high
- Built-in condensate pump with vertical lift of up to 18-3/8"
- MERV 13 filter option for indoor air quality

FXMQ_P Specifications			0.6 Ton	0.75 Ton	1.0 Ton	1.5 Ton	2.0 Ton	2.5 Ton	3.0 Ton	4.0 Ton
Model Name			FXMQ07PVJU	FXMQ09PVJU	FXMQ12PVJU	FXMQ18PVJU	FXMQ24PVJU	FXMQ30PVJU	FXMQ36PVJU	FXMQ48PVJU
Power Supply		V/ph/Hz	208-230/1/60							
Cooling Capacity		Btu/h	7,500	9,500	12,000	18,000	24,000	30,000	36,000	48,000
Heating Capacity		Btu/h	8,500	10,500	13,500	20,000	27,000	34,000	40,000	54,000
Refrigerant			R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Refrigerant Control			Electronic Expansion Valve							
Airflow Rate H/L		cfm	317/264/229	317/264/229	335/282/246	635/582/529	688/618/565	882/794/706	1,130/953/812	1,377/1,165/988
Unit Weight		lbs.	55	55	55	80	80	80	102	102
Unit Height		in.	11-13/16	11-13/16	11-13/16	11-13/16	11-13/16	11-13/16	11-13/16	11-13/16
Unit Width		in.	21-5/8	21-5/8	21-5/8	39-3/8	39-3/8	39-3/8	55-1/8	55-1/8
Unit Depth		in.	27-9/16	27-9/16	27-9/16	27-9/16	27-9/16	27-9/16	27-9/16	27-9/16
Sound Pressure H/L		dB(A)	33/29	33/29	34/29	41/37	42/38	43/39	43/39	44/40
External Static Pressure H/L		in. W.G.	0.40/0.12	0.40/0.12	0.40/0.12	0.80/0.20	0.80/0.20	0.80/0.20	0.80/0.20	0.80/0.20
Unit Condensate Connection		in. O.D.	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4
Condensate Pump Lift		in.	18-3/8	18-3/8	18-3/8	18-3/8	18-3/8	18-3/8	18-3/8	18-3/8
Pipe Connections	Liquid	in.	1/4 (Flare)	1/4 (Flare)	1/4 (Flare)	1/4 (Flare)	3/8 (Flare)	3/8 (Flare)	3/8 (Flare)	3/8 (Flare)
	Gas	in.	1/2 (Flare)	1/2 (Flare)	1/2 (Flare)	1/2 (Flare)	5/8 (Flare)	5/8 (Flare)	5/8 (Flare)	5/8 (Flare)
External Finish			Galvanized Steel Plate							
Protection Devices			Fuse							
			Fan Driver Overload Protector							
Recommended Fuse/Breaker		A	15	15	15	15	15	15	15	15

Installation Space





Concealed Ceiling Unit

FXMQ_MVJU

BRC1E72 (Option)

BRC2A71 (Option)

BRC4C82 (Option)

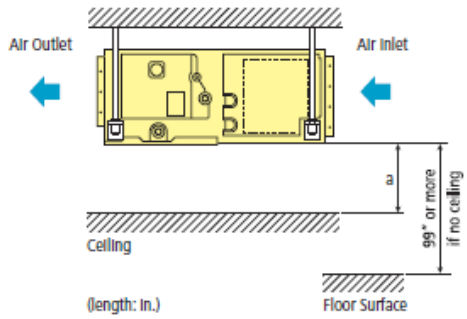
Hidden system for open space floor plans.

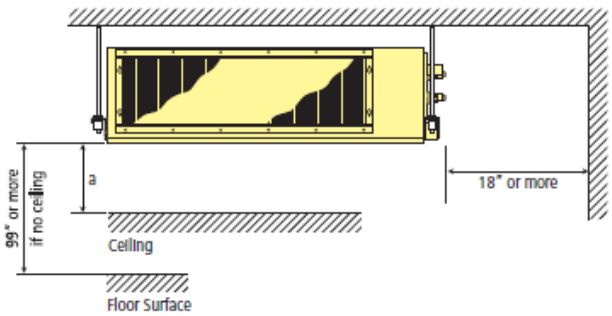
Key features and benefits:

- Greater design flexibility with a capacity range extended to 96 MBH
- Improved ductwork and filtration flexibility with high CFM and ESP capabilities of up to 1.1" W.G.
- Low profile design of less than 19" high to reduce required installation space
- Ability to connect a float switch on the PCB
- MERV 8 and MERV 13 filter options

FXMQ_M Specifications			6.0 Ton	8.0 Ton
Model Name			FXMQ72MVJU	FXMQ96MVJU
Power Supply		V/ph/Hz	208-230/1/60	
Cooling Capacity		Btu/h	72,000	96,000
Heating Capacity		Btu/h	81,000	108,000
Refrigerant			R-410A	R-410A
Refrigerant Control			Electronic Expansion Valve	
Airflow Rate H/L		cfm	2,047/1,764	2,541/2,188
Unit Weight		lbs.	55	55
Unit Height		in.	18-1/8	18-1/8
Unit Width		in.	54-3/8	54-3/8
Unit Depth		in.	43-5/16	43-5/16
Sound Pressure H/L		dB(A)	48/45	48/45
External Static Pressure H/L		in. W.G.	0.38/0.95	0.43/0.95
Unit Condensate Connection		in. O.D.	1	1
Pipe Connections	Liquid	in.	3/8 (Flare)	3/8 (Flare)
	Gas	in.	3/4 (Flare)	7/8 (Flare)
External Finish			Galvanized Steel Plate	
Protection Devices			Fuse	
			Fan Motor Thermal Protector	
Recommended Fuse/Breaker		A	15	15

Installation Space





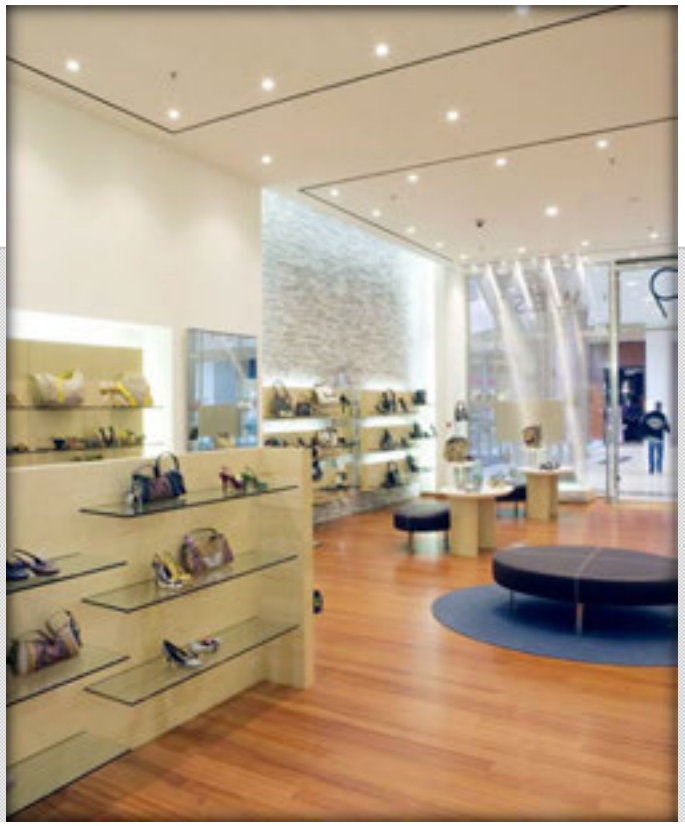
Slim Duct Concealed

FXDQ_MVJU

BRC1E72
(Option)

BRC2A71
(Option)

BRC4C82
(Option)



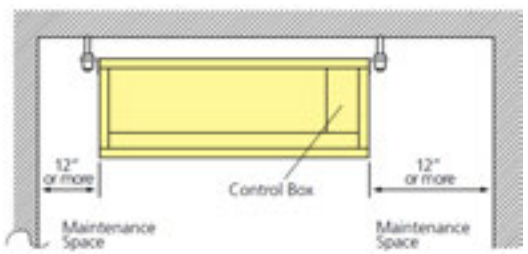
Low profile design for limited ceiling space.

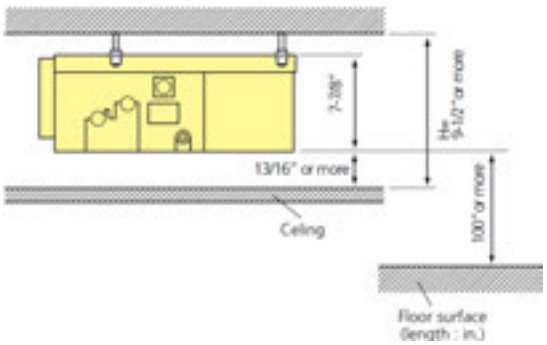
Key features and benefits:

- Slim height, at only 7 7/8", makes it suitable for most of the applications where attic / bulkhead space is limited
- With a sound level as low as 29 dB(A) for the 7.5, 9 or 12 MBH indoor unit, these units are among the quietest in the industry
- Factory set rear suction; bottom suction configuration is possible
- Washable filter included
- Condensate pump with vertical lift of up to 21 5/8" included as standard
- Blends unobtrusively with any interior decor; only the suction and discharge grills are visible

FXDQ Specifications			0.6 Ton	0.75 Ton	1.0 Ton	1.5 Ton	2.0 Ton
Model Name			FXDQ07MVJU	FXDQ09MVJU	FXDQ12MVJU	FXDQ18MVJU	FXDQ24MVJU
Power Supply		V/ph/Hz	208-230/1/60				
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
Refrigerant			R-410A	R-410A	R-410A	R-410A	R-410A
Refrigerant Control			Electronic Expansion Valve				
Airflow Rate H/L		cfm	280/226	280/226	280/226	440/350	580/460
Unit Weight		lbs.	51	51	51	63	71
Unit Height		in.	7-7/8	7-7/8	7-7/8	7-7/8	7-7/8
Unit Width		in.	27-9/16	27-9/16	27-9/16	35-7/16	43-5/16
Unit Depth		in.	24-7/16	24-7/16	24-7/16	24-7/16	24-7/16
Sound Pressure H/L		dB(A)	33/29	33/29	33/29	35/31	36/32
External Static Pressure H/L		in. W.G.	0.12/0.04	0.12/0.04	0.12/0.04	0.17/0.06	0.17/0.06
Unit Condensate Connection		in. O.D.	1-1/32	1-1/32	1-1/32	1-1/32	1-1/32
Condensate Pump Lift		in.	21-5/8	21-5/8	21-5/8	21-5/8	21-5/8
Pipe Connections	Liquid	in.	1/4 (Flare)	1/4 (Flare)	1/4 (Flare)	1/4 (Flare)	3/8 (Flare)
	Gas	in.	1/2 (Flare)	1/2 (Flare)	1/2 (Flare)	1/2 (Flare)	5/8 (Flare)
External Finish			Galvanized Steel Plate				
Protection Devices			Fuse				
			Fan Motor Thermal Protector				
Recommended Fuse/Breaker		A	15	15	15	15	15

Installation Space

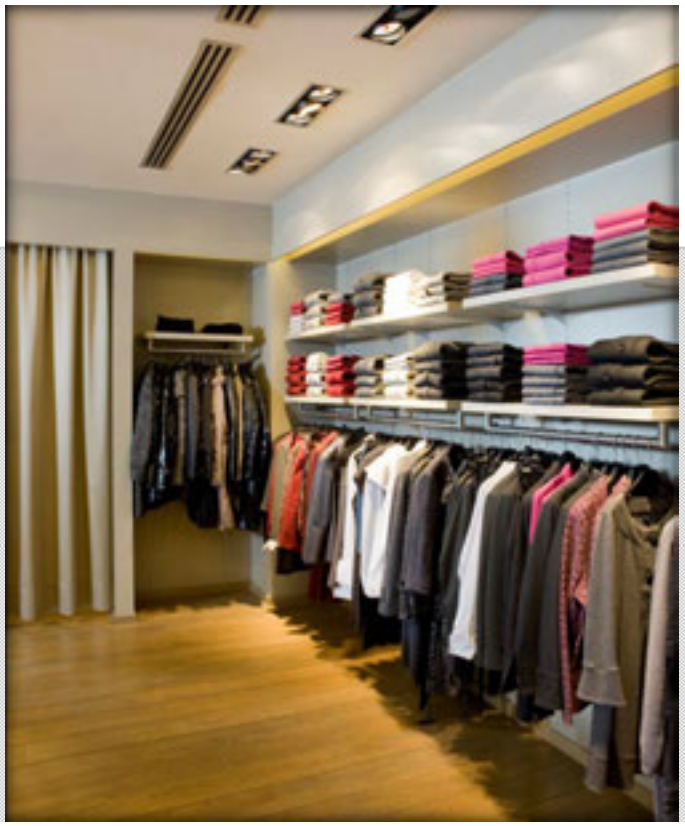




100% Outside Air Unit

FXMQ_MFVJU

BRC1E72
(Option)



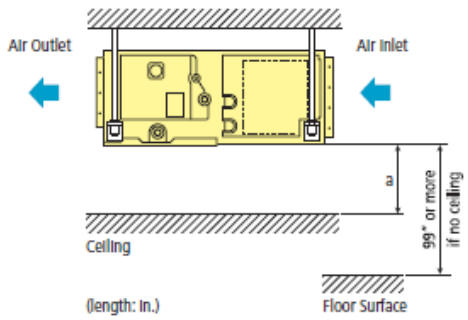
Fresh air treatment in a modular concept designed to align with VRV systems.

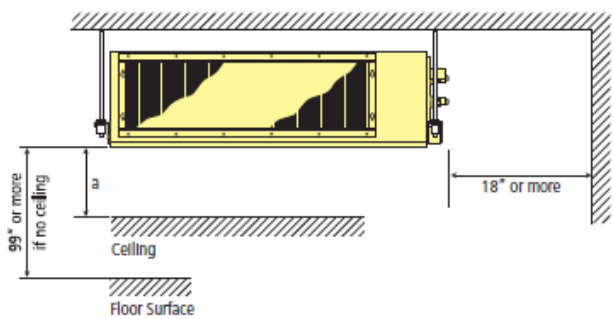
Key features and benefits:

- Can be connected to all Daikin VRV Systems
- Available in three capacities, nominal 48, 72 and 96 MBH
- Nominal airflows are 635, 988, and 1,236 CFM respectively
- External static pressure capabilities of up to 1.03" W.G. allows for flexibility with duct work and filtration choices
- A low profile design of only 18.5" high reduces the required installation space and can eliminate mechanical rooms or additional structural supports associated with traditional OA systems
- Indoor Air Quality options include MERV 8 and 13 filters and filter boxes
- Connects directly and seamlessly into the Daikin local and centralized control suite

FXMQ_MF Specifications			4.0 Ton	6.0 Ton	8.0 Ton
Model Name			FXMQ48MFVJU	FXMQ72MFVJU	FXMQ96MFVJU
Power Supply		V/ph/Hz	208-230/1/60		
Cooling Capacity		Btu/h	48,000	72,000	96,000
Heating Capacity		Btu/h	30,000	47,000	59,000
Airflow Rate		cfm	635	988	1,236
Unit Weight		lbs.	190	271	271
Unit Height		in.	18-1/2	18-1/2	18-1/2
Unit Width		in.	29-1/4	54-3/8	54-3/8
Unit Depth		in.	43-5/16	43-5/16	43-5/16
Sound Pressure		dB(A)	42	47	47
External Static Pressure		in. W.G.	0.88	0.96	1.03
Pipe Connections	Liquid	in.	3/8 (Flare)	3/8 (Flare)	3/8 (Flare)
	Gas	in.	5/8 (Flare)	3/4 (Brazing)	7/8 (Brazing)
External Finish			Galvanized Steel Plate		
Protection Devices			Fuse		
			Fan Motor Thermal Protector		
Operating Range - Cooling		°F	66 DB/59 WB - 109 DB/90 WB		
Operating Range - Heating		°F	23 DB to 68 DB		
Discharge Air Temp - Cooling		°F	55 - 77		
Discharge Air Temp - Heating		°F	64 - 86		

Installation Space





Energy Recovery Unit

VAM_GVJU

BRC1E72
(Option)

Improved air quality with energy savings.

Key features and benefits:

- Superior performance with a high efficiency fan and the capability for use in a wide range of climates (5 to 122°FDB and 80% RH or less)
- Unique functions such as independent operation, interlock with other HVAC systems and automatic night purge to reduce cooling loads and increase energy savings
- Interlocked simultaneous operation with VRV indoor units
- Pre-cooling/heating control function to delay the start of ventilation during air conditioner start-up for higher energy savings
- Supply and exhaust fresh-up operation modes to control pressure within a space

VAM Specifications

Model Name		Airflow		VAM300GVJU	VAM470GVJU	VAM600GVJU	VAM1200GVJU
Temperature Recovery Efficiency Percentage	Cooling	100	%	65	68	72	
		75	%	70	72	74	
	Heating	100	%	65	66	70	
		75	%	69		73	
Enthalpy Recovery Efficiency Percentage	Cooling	100	%	40	45	49	
		75	%	48	50	52	
	Heating	100	%	57	59	60	
		75	%	63	65	63	
Power Supply			V/ph/Hz	208-230/1/60			
Airflow Rate HH/H/L	Heat Exchange Mode		cfm	300/300/170	470/470/390	600/600/500	1,200/1,200/930
	Bypass Mode			300/300/170	470/470/390	600/600/500	1,200/1,200/930
Unit Weight			lbs.	71	121	148	346
Unit Height			in.	12-1/16	15-1/4	15-1/4	30-7/8
Unit Width			in.	34-5/8	43-11/16	43-11/16	63-3/4
Unit Depth			in.	31-1/2	32-3/4	47-13/16	47-13/16
Sound Pressure H/H/L			dB(A)	37/33.5/25.5	42/38.5/35	42.5/39/36	44.5/41.5/38.5
External Static Pressure HH/H/L			in. W.G.	0.64/0.26/0.16	0.73/0.39/0.33	0.76/0.34/0.32	0.56/0.24/0.16
External Finish				Galvanized Steel Plate			
Insulation Material				Self-Extinguishing Urethane Foam			
Connection Duct Diameter			in.	8	10	10	14
Ambient Conditions			A	5°F ~ 122°FDB 80% RH or less			

VRV Controls

Optimized for VRV technology, Daikin controls provide highly scalable solutions for all applications and budgets. From simplified controllers to centralized management systems, controls offer comfort control in an easily managed and operated system.

Project Requirements	Daikin VRV Controls							
								
	BRC1E72 Navigation	BRC2A71 Simplified	DCS302C71 Centralized	DCS301C71 Unified	Intelligent Touch Controller	Intelligent Touch Manager	BACnet Interface	LonWorks Interface
Simple individual zone control	●	●						
Independent Cool and Heat setpoints	●				●			
Individual zone control with weekly programmable scheduling	●				●	●		
Multi-zone control without scheduling functions			●					
Basic central point on/off control of all air handling units			●	●	●	●		
Advanced multi-zone control of small to medium size projects			●		●	●		
Advanced multi-zone control of large commercial projects					●	●	●	●
Advanced multi-zone control with scheduling logic and calendar					●	●		
Automatic cooling/heating changeover for heat pump systems	●				●	●		
Single input batch shutdown of all connected air handlers			●	●	●	●	●	●
Web browser control and monitoring via Intranet and Internet					●	●	◐	◐
E-mail notification of system alarms and equipment malfunctions					●	●	◐	◐
Multiple tenant power billing for shared condenser applications					●	●		
Temperature set-point range restrictions	●				●	●	◐	◐
Graphical user interface with floor plan layout						●	◐	◐
Start/stop control of ancillary building systems*					●	●	◐	◐
Daikin VRV integration with BACnet® based automation systems							●	
Daikin VRV integration with LonWorks® based automation systems								●

*Requires one or more DEC102A51-US2 Digital Input/Output units.

● Native application or feature for this device.

◐ Dependent upon capabilities of the third party energy management system

intelligent Touch Controller

DCS601C71

- 64 indoor unit groups (128 indoor units)
- Management of Daikin units and ancillary equipment
- Touch screen display
- Built-in Ethernet port, Web enabled (optional)
- Alarm e-mail function

DCS601A72

- DIII-Net plus adapter increases iTC control to 128 indoor unit groups (256 indoor units)

BACnet

BACnet® Network Compatible Interface

- Interface for Building Management Systems
- Communication via BACnet® protocol (BACnet/IP)
- 256 indoor unit groups (512 indoor units) connectable per BACnet® Interface (with DAM411B51)
- Unlimited site size
- Quick, easy installation

intelligent Touch Manager

DCM601A71

- 64 indoor unit groups (128 indoor units)
- Management of Daikin units and ancillary equipment
- Touch screen display
- Built-in Ethernet port, Web enabled (standard)
- Alarm e-mail function
- Floor plan layout

DCM601A72

- iTM Plus Adapter increases iTM control to have another 64 indoor unit groups (128 indoor units)
  - Up to 512 indoor unit groups (1024 indoor units) can be daisy chained to the iTM with the use of up to 7 iTM Plus Adapters

LonWorks

LonWorks® Network Compatible Interface

- Interface for LonWorks® networks
- Communication via LON protocol (twisted pair wire)
- 64 indoor unit groups connectable per interface
- Unlimited site size
- Quick, easy installation

Connect VRV to your BMS via BACnet® or LonWorks® using Daikin's integrated control system solutions.
Compatible with BACnet® and LonWorks®, the two leading open network communication protocols, the interfaces offered by Daikin provides a seamless connection between VRV and your BMS.

Navigation Controller (BRC1E72)

The Navigation Remote Controller has been improved to meet the needs of the growing VRV and SkyAir market. This controller will satisfy almost any controls requirement. The configurable display and operation buttons will provide as much or as little control as the project requires.

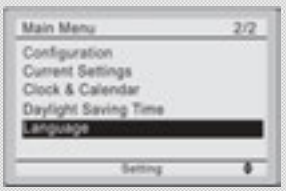
Available March 2013.

Can be used with: All VRV indoor units and the FAQ, FBQ, FCQ, FHQ, FTQ SkyAir indoor units

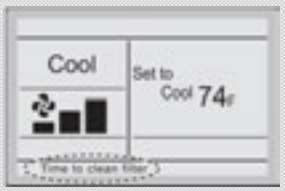
Weekly Schedule

Guide on Display

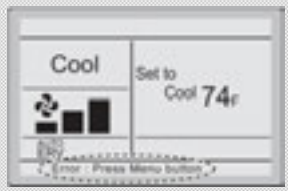
All Status on Display



English/French/Spanish Language Selectable



Maintenance Notice



Error Notification

Basic Operation
- On/Off, Operation mode, Setpoint
- Fan speed, Airflow direction (menu)

Key Functions
- Configurable display – Standard, Detailed, and Simple **(improved)**
- Dual or single Cool and Heat setpoints for occupied periods **(improved)**
- Independent setback setpoints for unoccupied periods
- Unwanted buttons/operation modes can be disabled **(improved)**
- Power off eliminates setpoint and mode adjustment - configurable **(improved)**
- Setpoint range limitation
- Individual button prohibits **(improved)**
- Auto-changeover for Heat Recovery and Heat Pump systems with dual or single setpoints **(improved)**
- Automatic adjustment for Daylight Savings Time (DST) **(improved)**
- Schedule
  - Weekly schedule – 7 day, weekday plus Saturday and Sunday (5 + 1 + 1), weekday plus weekend (5 + 2) and Everyday (1) **(improved)**
  - Allows programming up to 5 events per day with Cool and Heat or single setpoints
  - Setback configuration with Cool and Heat setpoints

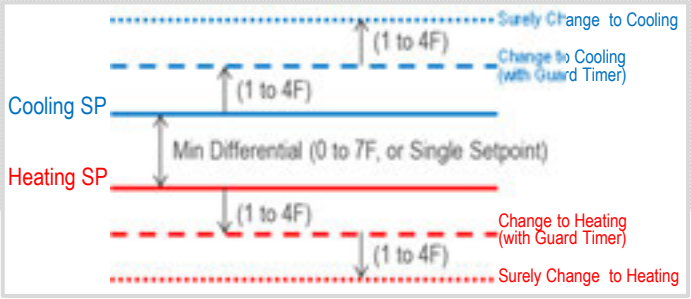
NEW optional face decals to hide unnecessary buttons

Display
- Detailed display mode
  - Operation mode, Occupied and unoccupied setpoint(s), Fan speed, Airflow direction, Room temperature, Time, Day, and Status display
- Standard display mode
  - Operation mode, Occupied and unoccupied setpoint(s), Fan speed, and Status display
- Simple display mode (new)
  - Operation mode, Occupied and unoccupied setpoint(s), Fan speed, Room temperature
- Face decal option to hide unnecessary buttons (new)

Others
- Backlit
- Room temperature sensor
- 12/24 hour clock
- Fahrenheit/Celsius selectable
- English/French/Spanish selectable (buttons and system status display are in English only)
- Remote control group – up to 16 indoor units

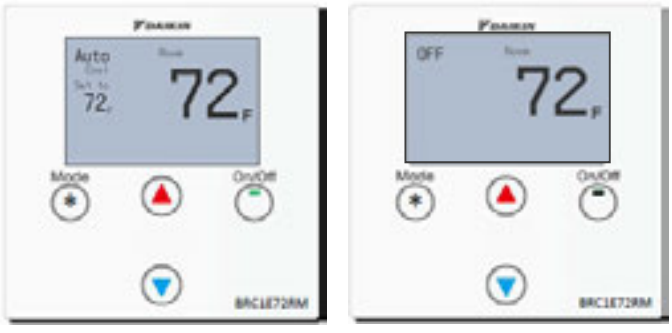
System Capabilities	Daikin Controls Options		
			
	BRC1E72 Navigation Remote Controller	BRC2A71 Simplified Wired Remote Controller	Wireless Remote Controller (Model depends on unit)
Communications	2-Wire / DIII-Net	2-Wire / DIII-Net	Infrared
°F/°C Selector	■	°F only	°F only
Backlit LCD display	■		
Room temperature display	■		
Schedule and setback capabilities (with Time and Date display)	■		
User restriction options	■		
On/Off, Operation mode, Setpoint, Fan speed	■	■	■
Louver position adjustment	■		■
Reports system malfunctions	■	■	■
Space temperature sensor	■		
Simultaneous operation with Daikin multi-zone controllers	■	■	■
Simultaneous operation with BACnet® and LonWorks®	■	■	■
Group control capacity	Up to 16 indoor units	Up to 16 indoor units	Up to 16 indoor units

Auto-changeover



- Automatic changeover in Heat Pump and Heat Recovery Systems
  - At 1°F above cooling or 1°F below heating setpoint (default)
    - Configurable between 1°F – 4°F **(improved)**
  - Another 1°F above cooling or 1°F below heating changeover points immediate changeover ignoring guard timer (new)
    - Configurable between 1°F – 4°F (new)
  - Guard timer to prevent frequent mode change
    - 15, 30, 60 (default), or 90 minute guard timer settable

On/Off Display Option



Configurable Display Mode – Detailed, Standard, Simple

Display Mode	Detailed	Standard	Simple New
Display image			
On/Off status on LED (LED blinks when an error is occurred)	X	X	X
Mode	X *1	X *1	X *1
Setpoint (Dual/Single)	X *2	X *2	X *2
Room temperature	X		X
Fan speed	X *3	X *3	X *3
Air flow direction (when a louver is available)	X		
Day and Time	X *3		
Status icon	X *3	X *3	
Key lock icon	X	X	
Error message	X	X	

*1. OFF can be displayed instead of the operation mode while the unit is turned off with the field setting (new)
*2. Can be removed from the display while the unit is turned off with a field setting (new)
*3. Can be removed from the display with a field setting (improved)

Optional Face Decals

Single Setpoint Face Decals

Dual Setpoint Face Decals

VRV Controls: iTouch

intelligent touch Controller

Centralized and Advanced VRV Control

Up to 64 Indoor Unit Groups (128 actual Indoor Units) can be monitored and controlled with individual Cool and Heat Setpoints, Setpoint Range Limitation, Setback Setpoints, and Auto-changeover to meet your expectations and project requirements. Up to 128 Indoor Unit Groups (256 actual Indoor Units) can be monitored and controlled with the addition of the Optional DIII-Net Plus Adapter.

Ancillary Equipment Control

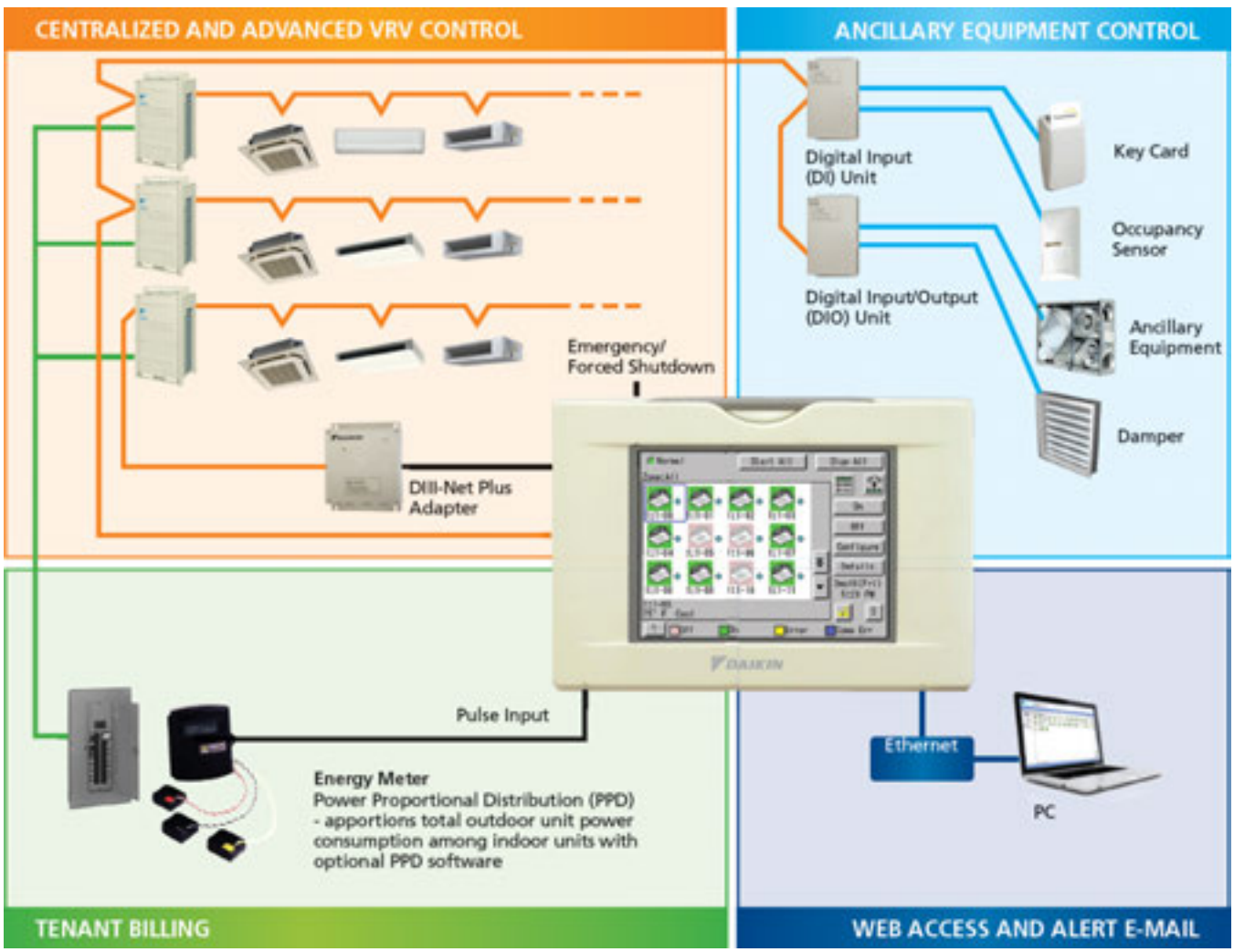
Integrates and/or interlocks sensors, switches, dampers, fans, pumps, and lighting with Daikin Indoor Units.

Web Access and Alert E-mail

Allows daily remote monitoring and control with the Web/E-mail Software option that can be accessed via the facility's Local Area Network or your Internet connection. Sends Error E-mail to mobile device with the optional Web/E-mail Software option.

Tenant Billing

Determines energy consumption of shared condensing units based upon tenant (Indoor Unit) demand.



VRV Controls: iTM

touch intelligent Manager

Centralized and Advanced VRV Control

Up to 64 Indoor Unit Groups (128 actual Indoor Units) can be monitored and controlled with Setpoint, Setpoint Range Limitation, Setback Setpoints, and Auto-changeover. Up to 512 Indoor Unit Groups (1024 actual Indoor Units) can be monitored and controlled with the addition of up to 7 optional iTM Plus Adapters.

Ancillary Equipment Control

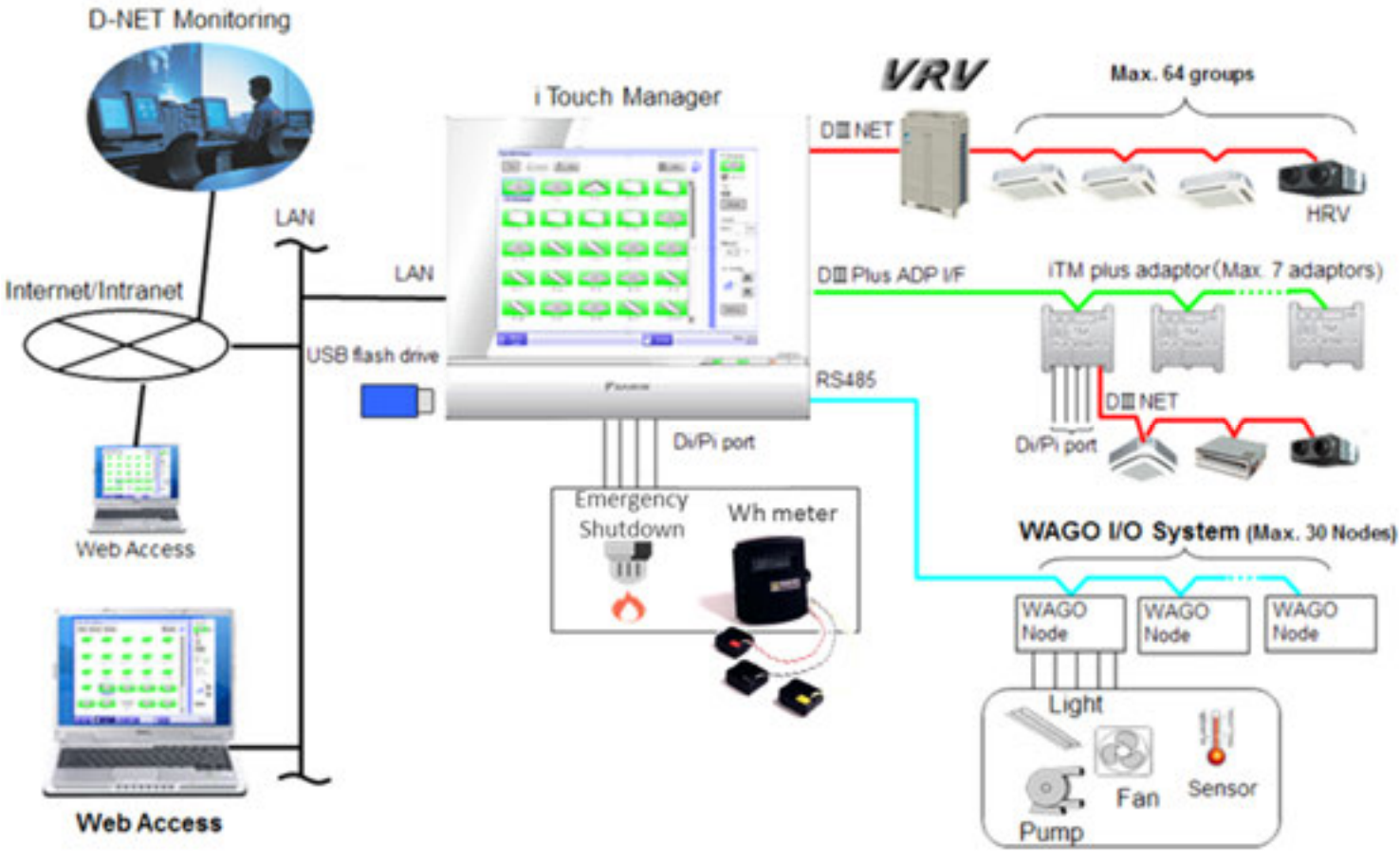
Integrates and/or interlocks sensors, switches, dampers, fans, pumps, and lighting with Daikin Indoor Units.

Web Access and Alert E-mail

Allows daily remote monitoring and control with the Web/E-mail function that can be accessed via the facility's Local Area Network or your Internet connection. Sends Error E-mail to mobile device with the Web/E-mail function.

Tenant Billing

Determines energy consumption of shared condensing units based upon tenant (Indoor Unit) demand.



Up to 650 management points can be managed on the iTM

VRV Accessories

Branch Selector Boxes

Providing flexibility and minimizing mechanical and electrical installation costs, single port branch selector boxes can connect up to 8 indoor units and are ideal for open plan applications whereas multi-port branch selector boxes are ideal for small tightly grouped rooms which require individual heating and cooling control.

Branch Selector Units			Single Port			Multi-Port	
Model			BSVQ36PVJU	BSQV60PVJU	BSVQ96PVJU	BSV4Q36PVJU	BSV6Q36PVJU
Power		V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Number of Branches			1	1	1	4	6
Number of Connectable Units per Branch			Max. 4	Max. 8	Max. 8	Max. 4	Max. 4
Weight		lbs.	26	26	33	132	196
Dimensions (H x W x D)		in.	8-1/8 x 15-1/4 x 12-13/16			8-1/4 x 41-1/2 x 25	8-1/4 x 62-1/8 x 25
Piping Connections	Indoor Unit	Liquid in.	Φ 3/8 (Braze)	Φ 3/8 (Braze)	Φ 3/8 (Braze)	Φ 3/8 (Braze)	Φ 3/8 (Braze)
		Gas in.	Φ 5/8 (Braze)	Φ 5/8 (Braze)	Φ 7/8 (Braze)	Φ 5/8 (Braze)	Φ 5/8 (Braze)
	Outdoor Unit	Liquid in.	Φ 3/8 (Braze)	Φ 3/8 (Braze)	Φ 3/8 (Braze)	Φ 1/2 (Braze)	Φ 5/8 (Braze)
		Suction Gas in.	Φ 5/8 (Braze)	Φ 5/8 (Braze)	Φ 7/8 (Braze)	Φ 1-1/8 (Braze)	Φ 1-1/8 (Braze)
		HP/LP Gas in.	Φ 1/2 (Braze)	Φ 1/2 (Braze)	Φ 3/4 (Braze)	Φ 3/4 (Braze)	Φ 1-1/8 (Braze)

*Multi-oort branch selector units not availble on water-cooled VRV-WIII systems.

REFNET

REFNET joints distribute an equal flow of refrigerant in every branch of the piping network.

VRVIII Heat Recovery - 208-230V and 460V					
Unit Model Number	REYQ72PB	REYQ96PB REYQ120PB	REYQ144PB REYQ168PB	REYQ192PB REYQ216PB REYQ240PB	REYQ264PB REYQ288PB REYQ312PB REYQ336PB
REFNET Header	KHRP25M33H (max. 8 branches)	KHRP25M33H (max. 8 branches) KHRP25M72H (max. 8 branches)		KHRP25M33H (max. 8 branches) KHRP25M72H (max. 8 branches) KHRP25M73HU (max. 8 branches)	
REFNET Joint	KHRP25A22T KHRP25A33T	KHRP25A22T KHRP25A33T KHRP25M72TU		KHRP25A22T KHRP25A33T KHRP25M72TU KHRP25M73TU	
Outdoor Unit Multi Piping Connection Kit			BHFP26P09U	BHFP26P09U	BHFP26P136U
VRVIII Heat Pump - 208-230V and 460V					
Unit Model Number	RXYQ72PB RXYQ96PB	RXYQ120PB RXYQ144PB	RXYQ168PB	RXYQ192PB RXYQ216PB RXYQ240PB	RXYQ264PB RXYQ288PB RXYQ312PB RXYQ336PB RXYQ360PB
REFNET Header	KHRP26M22H (max. 4 branches) KHRP26M33H max. 8 branches)	KHRP26M22H (max. 4 branches) KHRP26M33H (max. 8 branches) KHRP26M72H (max. 8 branches)		KHRP26M22H (max. 4 branches) KHRP26M33H (max. 8 branches) KHRP26M72H (max. 8 branches) KHRP26M73HU (max. 8 branches)	
REFNET Joint	KHRP26A22T KHRP26A33T	KHRP26A22T KHRP26A33T KHRP26M72TU		KHRP26A22T KHRP26A33T KHRP26M72TU KHRP26M73TU	
Outdoor Unit Multi Piping Connection Kit			BHFP22P100U	BHFP22P100U	BHFP22P151U

VRV-WIII Heat Pump / Heat Recovery				VRVIII-S
Unit Model Number	RWEYQ72PTJU RWEYQ84PTJU	RWEYQ144PTJU RWEYQ168PTJU	RWEYQ168PTJU RWEYQ252PTJU	RXYMQ36PVJU RXYMQ48PVJU
REFNET Header 	KHRP25M33H (Max. 8 branch) KHRP26M22H (Max. 4 branch) KHRP26M33H (Max. 8 branch)	KHRP25M33H (Max. 8 branch) KHRP25M72H (Max. 8 branch) KHRP26M22H (Max. 4 branch) KHRP26M33H (Max. 8 branch) KHRP26M72H (Max. 8 branch)	KHRP25M33H (Max. 8 branch) KHRP25M72H (Max. 8 branch) KHRP25M73HU (Max. 8 branch) KHRP26M22H (Max. 4 branch) KHRP26M33H (Max. 8 branch) KHRP26M72H (Max. 8 branch) KHRP26M73HU (Max. 8 branch)	KHRP26M22H (Max. 4 branches) KHRP26M33H (Max. 8 branches)
REFNET Joint 	KHRP25M22T KHRP25M33T KHRP26M22T KHRP26M33T	KHRP25M22T KHRP25M33T KHRP25M72TU KHRP26M22T KHRP26M33T KHRP26M72TU	KHRP25M22T KHRP25M33T KHRP25M72TU KHRP25M73TU KHRP26M22T KHRP26M33T KHRP26M72TU KHRP26M73TU	KHRP26A22T
Outdoor Unit Multi Piping Connection Kit (Heat Pump)		BHFP22MA56U	BHFP22MA84U	
Outdoor Unit Multi Piping Connection Kit (Heat Recovery)		BHFP26MA56U	BHFP26MA84U	

WARNINGS:

- Always use a licensed installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a licensed contractor to install those parts and accessories. Use of unauthorized parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.
- For any inquiries, contact your local Daikin sales office.

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For Information

GPUSE13-02B

For all equipment installation & application limitations please refer to the specific Engineering Data Books.

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