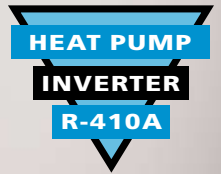


Daikin AC Product Lineup

Intelligent Air-Conditioning Systems


All Daikin products offered by Daikin AC are heat pump systems employing inverter "variable speed" compressors and non-ozone depletion potential R-410A refrigerant.




AIR COOLED ■ WATER COOLED ■ RESIDENTIAL ■ COMMERCIAL ■ RENOVATION ■ NEW CONSTRUCTION


Single Split Systems


(208 - 230V / 1Ph / 60Hz)

Indoor Units - FDXS_DVJU Slim Duct Built-In Concealed Ceiling Unit - For use with RXS_D(A)VJU (High Efficiency) Models			0.75 Ton	1 Ton	
	Model		FDXS09DVJU	FDXS12DVJU	
	Cooling Capacity (min. - nom. - max.)	Btu/h	4,400 - 8,500 - 8,500	4,800 - 11,500 - 11,500	
	Heating Capacity (min. - nom. - max.)	Btu/h	4,400 - 10,000 - 10,000	4,800 - 11,500 - 11,500	
	Airflow - Dry (H/M/L)	cfm	305/280/260	305/280/260	
	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.	φ 1/4	φ 1/4
		Gas (O.D.)	in.	φ 3/8	φ 3/8
		Condensate (O.D.)	in.	VP20(O.D. φ1-1/32, I.D. φ25/32)	
	Dimensions (H x W x D)	in.	7 7/8 x 27 9/16 x 24 7/16		
Weight	lbs.	47.0			



Indoor Units - FTXS_HVJU Wall Mounted Units - For use with RX_F(A)VJU (Standard Efficiency) or RXS_D(A)VJU (High Efficiency) Models			1.25 Ton	1.5 Ton	2 Ton			
	Model		FTXS09HVJU	FTXS12HVJU	FTXS15HVJU*	FTXS18HVJU	FTXS24HVJU	
	Cooling Capacity (min. - nom. - max.)	Btu/h	4,400 - 8,500 - 9,500	4,800 - 11,500 - 12,000	3,200 - 15,000 - 15,000	3,200 - 18,000 - 18,000	3,200 - 22,000 - 22,000	
	Heating Capacity (min. - nom. - max.)	Btu/h	4,400 - 10,000 - 11,000	4,800 - 11,500 - 13,000	3,200 - 18,000 - 21,200	3,200 - 21,600 - 24,000	3,200 - 24,000 - 25,400	
	Moisture Removal	Pt/h	2.3	3.2	3.4	4.3	6.3	
	Airflow - Dry (H/M/L)	cfm	253/220/187	286/237/187	515/459/402	609/529/448	586/532/477	
	Sound Pressure Level - Cooling (H/M/L)	dB(A)	38/32/25	40/33/26	45/41/36	45/41/36	46/42/37	
	Sound Pressure Level - Heating (H/M/L)	dB(A)	38/33/28	39/34/29	44/40/35	44/40/35	46/42/37	
	Piping Connections	Liquid (O.D.)	in.	φ 1/4	φ 1/4	φ 1/4	φ 1/4	φ 1/4
		Gas (O.D.)	in.	φ 3/8	φ 3/8	φ 1/2	φ 1/2	φ 5/8
		Condensate (O.D.)	in.	φ 11/16	φ 11/16	φ 11/16	φ 11/16	φ 11/16
Dimensions (H x W x D)	in.	10 3/4 x 30 7/8 x 7 11/16		11 7/16 x 41 5/16 x 9 3/8				
Weight	lbs.	16.6		26.5	26.5	26.5		

Outdoor Units - RX_F(A)VJU Heat Pump (Standard Efficiency) - For use with the FTXS_HVJU Models			RX09FAVJU	RX12FAVJU	RX15FVJU	RX18FVJU	RX24FVJU
	Compressor Type		Hermetically sealed swing type compressor				
	Energy Efficiency	SEER	13	13	13	13	13
	Energy Efficiency	HSPF	7.7	7.7	7.7	7.7	7.7
	Power Consumption - Cooling	W	810	1,310	1,320	1,710	5,555
	Power Consumption - Heating	W	1,080	1,060	1,690	2,160	2,805
	Sound Pressure Level - Cooling/Heating	dB(A)	48/49	49/51	51/51	51/51	54/54
	Operating Range - Cooling (outdoor-db)	°F	14 - 115	14 - 115	14 - 115	14 - 115	14 - 115
	Operating Range - Heating (outdoor-db)	°F	5 - 77	5 - 77	5 - 77	5 - 77	5 - 77
	Operation Current - Cooling	A	4.38	5.87	5.83	7.49	11.15
	Operation Current - Heating	A	5.03	5.02	7.4	9.4	12.23
	Max. Piping Length	ft.	65	65	98	98	98
	Max. Height Difference	ft.	49	49	66	66	66
	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		
	Weight	lbs.	74	80	117	117	121

Outdoor Units - RXS_D(A)VJU Heat Pump (High Efficiency) - For use with FTXS_HVJU & FDXS_DVJU Models			RXS09DAVJU	RXS12DAVJU	RXS15DVJU*	RXS18DVJU	RXS24DVJU
	Compressor Type		Hermetically sealed swing type compressor				
	Energy Efficiency	SEER	16	16	17	16.3	15
	Energy Efficiency	HSPF	8.8	8.8	10.1	7.7	9.2
	Power Consumption - Cooling	W	810	1,310	1,320	1,710	2,555
	Power Consumption - Heating	W	1,080	1,060	1,690	2,160	2,805
	Sound Pressure Level - Cooling/Heating	dB(A)	48/49	49/51	51/51	51/51	54/54
	Operating Range - Cooling (outdoor-db)	°F	14 - 115	14 - 115	14 - 115	14 - 115	14 - 115
	Operating Range - Cooling (outdoor-db) (with optional wind baffle)	°F	0-115	0-115	0-115	0-115	0-115
	Operating Range - Heating (outdoor-db)	°F	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
	Operation Current - Cooling	A	4.38	5.87	5.83	7.49	11.15
	Operation Current - Heating	A	5.03	5.02	7.4	9.4	12.23
	Max. Piping Length	ft.	65	65	98	98	98
	Max. Height Difference	ft.	49	49	66	66	66
	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		
	Weight	lbs.	74	80	117	117	121

- Energy efficient
- Home-leave temperature set-back operation
- 24-hour timer
- Intelligent Eye (Movement sensor) – on FTXS and CTXS models only
- R-410A precharged for piping up to 33ft.
- Long piping length up to 98ft.
- Quiet operation
- Reliable and unique Daikin Swing Compressor
- Backlit Wireless Remote Controller (New)
- Optional Wired Remote Controller (New)
- Celsius or Fahrenheit selection available for wall mount unit controllers (New)



*Combination of RXS15DVJU and FTXS15HVJU is Energy Star rated



Quaternity



Quaternity Indoor Units - FTXG_HVJU Wall Mounted Units. For use with RXG_HVJU Models				
Model		FTXG09HVJU	FTXG12HVJU	FTXG15HVJU
Cooling Capacity (min. - nom. - max.)	Btu/h	5,300 - 9000 - 12,300	5,300 - 12,000 - 15,700	5,300 - 15,000 - 18,000
Heating Capacity (min. - nom. - max.)	Btu/h	4,400 - 12,000 - 18,000	4,400 - 16,000 - 19,100	4,400 - 18,000 - 21,200
Moisture Removal	Pt/h	3.38	4.86	5.92
Airflow - Dry	cfm	438	470	494
Sound Pressure Level - Cooling (H/M/L)	dB(A)	42/33/26	43/35/27	45/37/29
Sound Pressure Level - Heating (H/M/L)	dB(A)	42/35/28	43/36/29	44/38/31
Piping Connections	Liquid (O.D.)	in. ϕ 1/4	ϕ 1/4	ϕ 1/4
	Gas (O.D.)	in. ϕ 3/8	ϕ 3/8	ϕ 3/8
	Condensate (O.D.)	in. ϕ 11/16	ϕ 11/16	ϕ 11/16
Dimensions (H x W x D)	in.	12 x 35 1/32 x 8 7/32		
Weight	lbs.	31	31	31

Quaternity Outdoor Units - RXG_HVJU For use with the FTXG_HVJU Models				
Model		RXG09HVJU	RXG12HVJU	RXG15HVJU
Compressor Type		Hermetically sealed swing type compressor		
Energy Efficiency	SEER	22	22	21
Energy Efficiency	EER	15.8	14	12.9
Energy Efficiency	HSPF	11	10.55	10
Energy Efficiency	COP	4.51	4.04	3.99
Power Consumption - Cooling	W	570	860	1,160
Power Consumption - Heating	W	780	1,160	1,320
Sound Pressure Level - Cooling/Heating	dB(A)	46/46	49/48	50/50
Operating Range - Cooling (outdoor-db)	$^{\circ}$ F	14 - 109	14 - 109	14 - 109
Operating Range - Heating (outdoor-db)	$^{\circ}$ F	-4 - 75	-4 - 75	-4 - 75
Operation Current - Cooling	A	3.1	4.3	5.64
Operation Current - Heating	A	4.04	5.64	6.36
Max. Piping Length	ft.	33	33	33
Max. Height Difference	ft.	26	26	26
Dimensions (H x W x D)	in.	22 3/8 X 31 9/32 X 11 7/32		
Weight	lbs.	99	99	99

The Quaternity™ system is designed to maximize the comfort level from its user even under the most challenging weather conditions. The product's main 4 pillars are:

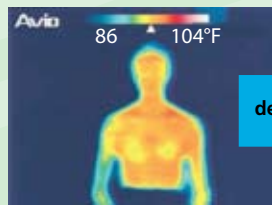
1. Environmentally conscious: high energy efficiency and use of R-410A refrigerant
2. Comfort: Dehumidification function / Quick warming function / Comfort air flow
3. Indoor Air Quality: Flash streamer air purifier / Titanium apatite photo catalytic air purifying filter
4. User Friendly: Easy to use controls and simple operation



Quaternity Units are ARI 210/240 performance certified and have earned the Energy Star label

Controlling the humidity set-point in the room allows for a comfortable condition without the need for a very low set-point temperature. With the unique Quaternity solution controlling the dehumidification as well as temperature, enhanced user comfort is possible. Also, this feature prevents inefficient overcooling, which helps to save on energy use.

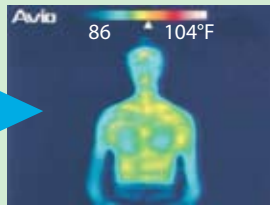
**Room temperature 77°F
Humidity 80%**



OVERHEATED
Hot and stuffy with high humidity.

Quaternity's dehumidification operation

**Room temperature 77°F
Humidity 50%**



COMFORTABLE
Decreasing humidity while maintaining the temperature increases comfort.

- Up to SEER 22 and EER 15.8, one of the highest energy efficiencies in the market
- Ability to dehumidify to a relative humidity set-point (RH%)
- "Flash Streamer" air cleaner for improved IAQ
- Wireless infra-red remote controller shows ambient temperature and room temperature
- Comfort, sound set-back ability
- Quiet operation
- Improved maximum capacity

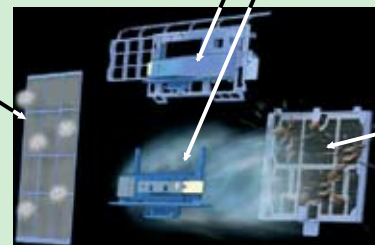
Increased indoor air quality with Daikin Flash Streamer technology

Flash Streamer technology is proven to deliver over a 1,000 times faster purification versus normal "plasma" type systems. The multi layered air purifying function powerfully decomposes and removes molecules of allergens and odors by colliding them with high speed electrons discharged from the Flash Streamer Unit. In the indoor unit, the air will be filtered out of dust and pollen and the photocatalytic air purification filter will further decompose odors. Finally, the Flash Streamer technology allows breaking down formaldehyde, viruses, molds, etc.



Flash Streamer:
releases streams of high-speed electrons with strong oxidation power


Pre-filter:
Catches dust



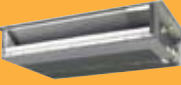
Deodorizing Filter:
odors are absorbed and broken down before the air is returned into the room



Multi-Split Systems

(208 - 230V / 1Ph / 60Hz)

Indoor Units - CTXS_HVJU Wall Mounted Units - For use with 2MXS_GVJU or 4MXS_GVJU Models			0.75 Ton	1 Ton	1.25 Ton	1.5 Ton	
	Model		CTXS09HVJU	CTXS12HVJU			
	Rated Capacity*	Btu/h	9,000	12,000			
	Moisture Removal	Pt/h	n/a	n/a			
	Airflow - Dry (H/M/L)	cfm	388/335/283	519/436/353			
	Sound Pressure Level - Cooling (H/M/L)	dB(A)	44/40/35	45/41/36			
	Sound Pressure Level - Heating (H/M/L)	dB(A)	44/39/34	45/40/35			
	Dimensions (H x W x D)	in.	← 11 7/16 x 31 5/16 x 9 3/8 →				
	Weight	lbs.	20	20			
	Condensate Drain Connection	in.	φ11/16	φ11/16			

Indoor Units - FTXS_HVJU Wall Mounted Units - For use with 2MXS_GVJU or 4MXS_GVJU Models					FTXS15HVJU	FTXS18HVJU
	Model				15,000	18,000
	Rated Capacity*	Btu/h			3.4	4.3
	Moisture Removal	Pt/h			515/459/402	609/529/448
	Airflow - Dry (H/M/L)	cfm			45/41/36	45/41/36
	Sound Pressure Level - Cooling (H/M/L)	dB(A)			44/40/35	44/40/35
	Sound Pressure Level - Heating (H/M/L)	dB(A)			← 11 7/16 x 41 5/16 x 9 3/8 →	
	Dimensions (H x W x D)	in.			26.5	26.5
	Weight	lbs.			φ11/16	φ11/16
	Condensate Drain Connection	in.				

Indoor Units - FDXS_DVJU Slim Duct Built-In Concealed Ceiling Unit - For use with 2MXS_GVJU or 4MXS_GVJU Models							
	Model		FDXS09DVJU	FDXS12DVJU			
	Rated Capacity*	Btu/h	9,000	12,000			
	Airflow - Dry (H/M/L)	cfm	305/280/260	305/280/260			
	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			
	Dimensions (H x W x D)	in.	← 7 7/8 x 27 9/16 x 24 7/16 →				
	Weight	lbs.	47	47			
	Condensate Drain Connection	in.	φ 1-1/32	φ 1-1/32			

Outdoor Units - MXS_GVJU Heat Pump - For use with CTXS_HVJU, FTXS_HVJU and FDXS_DVJU Models			1.5 Ton	2.5 Ton		
	Model		2MXS18GVJU**	4MXS32GVJU		
	Rated Capacity*	Btu/h	18,000	32,000		
	Compressor Type		Hermetically sealed swing type compressor			
	Sound Pressure Level - Cooling/Heating	dB(A)	50/51	52/54		
	Operating Range - Cooling (outdoor-db)	°F	14 - 115	14 - 115		
	Operating Range - Heating (outdoor-db)	°F	5 - 72	5 - 72		
	Pipe Connections					
	Liquid (O.D.)	in.	φ 1/4 x 2	φ 1/4 x 4		
	Gas (O.D.)	in.	φ 3/8 x 2	φ 3/8 x 1, φ 1/2 x 1, φ 5/8 x 2		
	Max. Piping Length (Per Unit)	ft.	164 (82)	230 (82)		
Max. Height Difference	ft.	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			
Weight	lbs.	139	168			

Certified Efficiency Performance Values										
System	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	Non Ducted Indoor Unit**	18,000	12.60	19.50	22,000	3.40	13,500	2.70	9.20	
	Ducted Indoor Unit	16,000	9.00	13.00	22,000	2.90	13,100	2.20	7.70	
	Mixed Ducted and Non Ducted Indoor Unit	17,000	10.80	16.30	22,000	3.15	13,300	2.45	8.50	
4MXS32GVJU	Non Ducted Indoor Unit	30,600	10.30	17.60	32,000	3.40	22,200	2.30	9.30	
	Ducted Indoor Unit	29,000	8.40	13.30	30,400	3.00	21,000	2.10	7.90	
	Mixed Ducted and Non Ducted Indoor Unit	29,800	9.35	15.25	31,200	3.20	21,600	2.20	8.60	

* For capacity information, refer to the Engineering Data Book

A Daikin Multi-Split System can serve from two to four rooms using only one outdoor unit, and allows individual control of the air conditioning in each room.

On top of the savings generated from the flexibility of Daikin's Multi-Split systems, further cost reductions are achieved from the energy efficient benefits of Daikin's Inverter Technology offering outstanding energy efficiency with SEER ratings up to 19.5.



Select from Daikin's extensive range of wall-mounted or ducted indoor fan coil units to cool or warm your space.


The flat panel design of the wall-mounted units will complement interior decor, while the slim shape of the ducted units are barely noticeable when installed in a ceiling or soffit.






**2MXS18GVJU in Non Ducted Indoor Unit combination is Energy Star rated




Indoor Units - FAQ_PVJU and FTXS_HVJU Wall Mounted Units						
	Model		FAQ18PVJU	FAQ24PVJU	FTXS30HVJU	FTXS36HVJU
	Cooling Capacity (min. - nom. - max.)	Btu/h	*-18,000 - 18,000	*-24,000 - 24,000	10,200 - 30,000 - 30,000	10,200 - 36,000 - 36,000**
	Heating Capacity (min. - nom. - max.)	Btu/h	*- 20,000 - 20,000	*- 27,000 - 27,000	10,200 - 34,800 - 34,800	10,200 - 38,000 - 38,000**
	Moisture Removal	Pt/h	*	*	*	*
	Airflow-Dry (H/M/L/SL)	cfm	500*/400*	635*/470*	706/611/519/473	770/635/519/473
	Sound Pressure Level - Cooling (H/M/L)	dB(A)	43*/1*	47*/1*	47/45/40	49/45/40
	Sound Pressure Level - Heating (H/M/L)	dB(A)	43*/1*	47*/1*	47/44/38	49/44/38
Piping connections	Liquid (O.D.)	in.	φ 3/8	φ 3/8	φ 3/8	φ 3/8
	Gas (O.D.)	in.	φ 5/8	φ 5/8	φ 5/8	φ 5/8
	Condensate (O.D.)	in.	φ 11/16	φ 11/16	φ 11/16	φ 11/16
Unit Dimensions (H x W x D)	in.	← 11 3/8 x 41 3/8 x 9 →			← 13 13/32 x 47 3/16 x 9 13/32 →	
Weight	lbs.	31	31	39.7	39.7	

Indoor Units - FCQ_PVJU and FCQ_MVJU Ceiling Mounted 4-Way Cassette Units							
	Model		FCQ18PVJU	FCQ24PVJU	FCQ30PVJU	FCQ36MVJU	FCQ42MVJU
	Cooling Capacity (nom.)	Btu/h	18,000	24,000	30,000	36,000	40,500
	Heating Capacity (nom.)	Btu/h	20,000	27,000	34,000	39,500	41,500
	Moisture Removal	Pt/h	*	*	*	*	*
	Airflow-Dry (H/L)	cfm	790/670	790/670	900/790	950/790	1,030/870
	Sound Pressure Level - Cooling (H/L)	dB(A)	42/*	42/*	42/*	44/*	46/*
	Sound Pressure Level- Heating (H/L)	dB(A)	42/*	42/*	42/*	44/*	46/*
Piping connections	Liquid (O.D.)	in.	φ 3/8	φ 3/8	φ 3/8	φ 3/8	φ 3/8
	Gas (O.D.)	in.	φ 5/8	φ 5/8	φ 5/8	φ 5/8	φ 5/8
	Condensate (O.D.)	in.	φ 11/16	φ 11/16	φ 11/16	φ 11/16	φ 11/16
Dimensions (H x W x D)	in.	← 11-3/8 x 33-3/8 x 33-3/8 →					
Weight (including panel)	lbs.	84	84	84	85	85	

Indoor Units - FHQ_PVJU and FHQ_MVJU Ceiling Suspended Units							
	Model		FHQ18PVJU	FHQ24PVJU	FHQ30PVJU	FHQ36MVJU	FHQ42MVJU
	Cooling Capacity (nom.)	Btu/h	18,000	24,000	30,000	36,000	40,500
	Heating Capacity (nom.)	Btu/h	20,000	27,000	34,000	37,500	39,500
	Moisture Removal	Pt/h	*	*	*	*	*
	Airflow-Dry (H/L)	cfm	790/670	790/670	790/670	830/670	850/700
	Sound Pressure Level - Cooling (H/L)	dB(A)	45/*	45/*	45/*	46/*	47/*
	Sound Pressure Level - Heating (H/L)	dB(A)	45/*	45/*	45/*	46/*	47/*
Piping connections	Liquid (O.D.)	in.	φ 3/8	φ 3/8	φ 3/8	φ 3/8	φ 3/8
	Gas (O.D.)	in.	φ 5/8	φ 5/8	φ 5/8	φ 5/8	φ 5/8
	Condensate (O.D.)	in.	φ 11/16	φ 11/16	φ 11/16	φ 11/16	φ 11/16
Dimensions (H x W x D)	in.	← 7-11/16 x 62-5/8 x 26-3/4 →					
Weight	lbs.	90	90	90	90	90	

Outdoor Units - RZQ_PVJU and RZQ_MVJU Heat Pump (Refer to table below for connection models)							
	Model		RZQ18PVJU	RZQ24PVJU	RZQ30PVJU	RZQ36MVJU	RZQ42MVJU
	Connects with		FAQ18PVJU FCQ18PVJU FHQ18PVJU	FAQ24PVJU FCQ24PVJU FHQ24PVJU	FCQ30PVJU FHQ30PVJU	FCQ36MVJU FHQ36MVJU	FCQ42MVJU FHQ42MVJU
	Rated Capacity	Btu/h	18,000	24,000	30,000	36,000	42,000
	Compressor Type		← Hermetically sealed swing type compressor →			← Hermetically sealed scroll type compressor →	
	Energy Efficiency	SEER	13	13	13	13	13
	Energy Efficiency	HSPF	7.7	7.7	7.7	7.7	7.7
	Power Consumption - Cooling	W	*	*	*	*	*
	Power Consumption - Heating	W	*	*	*	*	*
	Sound Pressure Level - Cooling/Heating	dB(A)	48/49	49/51	51/51	58/58	58/58
	Operating Range - Cooling (outdoor-db)	°F	23-115	23-115	23-115	14-115	14-115
	Operating Range - Cooling (outdoor-db) (with optional wind baffles)	°F	0-115	0-115	0-115	0-115	0-115
	Operating Range - Heating (outdoor-db)	°F	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
	Operation Current - Cooling and Heating	A	7.37	10.57	16.27	22.5	23.3
	Max. Piping Length	ft.	164	164	164	230	230
	Max. Height Difference	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 →		
Weight	lbs.	135	135	135	310	310	

Outdoor Units - RXS_HVJU Heat Pump For use with FTXS_HVJU Models						
	Model				RXS30HVJU	RXS36HVJU
	Connects with				FTXS30HVJU	FTXS36HVJU
	Rated Capacity	Btu/h			30,000	36,000
	Compressor Type				Hermetically sealed swing compressor	
	Energy Efficiency	SEER			17	16.2
	Energy Efficiency	HSPF			8.3	8.3
	Power Consumption - Cooling (combined with FTXS_HVJU)	W			2,800**	4,300**
	Power Consumption - Heating (combined with FTXS_HVJU)	W			3,900**	4,200**
	Sound Pressure Level - Cooling/Heating	dB(A)			54/55	54/55
	Operating Range - Cooling (outdoor-db)	°F			14 - 115	14 - 115
	Operating Range - Cooling (outdoor-db) (with optional wind baffles)	°F			0 - 115	0 - 115
	Operating Range - Heating (outdoor-db)	°F			5 - 75	5 - 75
	Operating Range - Heating (outdoor-db) (with optional wind baffles)	°F			0 - 75	0 - 75
	Operation Current - Cooling	A			12.2**	18.8**
	Operation Current - Heating	A			17.1**	18.4**
	Max. Piping Length	ft.			100	100
	Max. Height Difference	ft.			66	66
Dimensions (H x W x D)	in.	← 39 x 37 x 12-19/32 →				
Weight	lbs.				176.4	176.4



* Information not available at time of press

** These values are based on 230V

What is VRV?

VRV is an applied air conditioning system that distributes refrigerant to the fan coil units in the conditioned spaces, rather than water.

Absolute Comfort – Technology that gives you complete control

The VRV system integrates cutting-edge inverter technology to give you total control over your entire building.

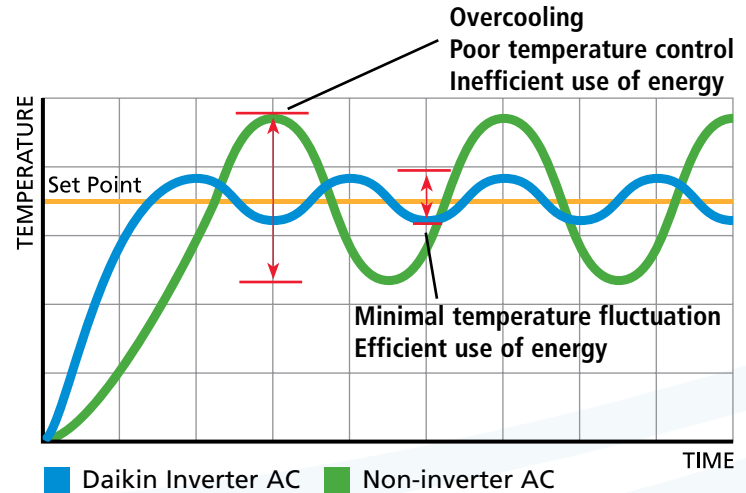
At the heart of the condensing unit is a high efficiency variable speed “inverter” compressor coupled with inverter fan motors for superior system part load performance. The compressor capacity is modulated automatically to maintain a constant suction pressure, while varying the refrigerant volume to deliver precisely the needs of the cooling or heating loads.



The features of VRV

- Energy efficient
- Many zones (individual control)
- Centralized system (long piping)
- Tight control (PID)
- Large capacity (modular)
- High level centralized control (including BACnet®, LonWorks®)
- Quiet operation
- Absolute comfort
- Cold dry air (cooling) – low sensible heat factor
- Heating - benefit of R-410A and inverter technology

With these attributes, VRV is naturally most comparable to traditional chilled water systems.



VRV III

- Air cooled condensing units
- Can operate up to 41 indoor fan coil units on a single system
- Excellent part load performance
- Autocharging function
- Refrigerant charge check function
- Continuous heating during defrost operation
- Longest pipe lengths in product class (up to 3,280 ft)
- 208-230V or 460V three phase power supply
- Advanced zoning capabilities

VRV-WII



- Water cooled condensing units (plate heat exchanger)
- Available up to 21 Ton in 7 combinations
- 208-230V three phase power supply
- Up to 32 indoor units can be connected with a choice of 10 different styles and 46 models ranging from 0.6 to 4 Ton
- Connect to a cooling tower (closed loop) and boiler system
- Unified heat recovery or heat pump condensing units
- Cold climate capability delivering comfortable heating performance with no defrost
- Long refrigerant piping length
- Can be utilized in geothermal applications

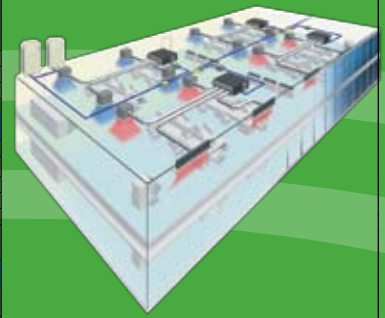
VRV-S

- Air cooled condensing unit
- 208-230V one phase power supply
- Available in 3 and 4 Ton
- Individual zone control
- Can operate up to 6 or 8 fan coil units
- Advanced zoning capabilities
- Innovative space-saving design
- Reliability
- Outstanding warranties
- AHRI Certified

VRV Systems - Indoor Units

(208 - 230V / 1Ph / 60Hz - Unless specified)

Indoor Units - FXSQ_MVJU Concealed Ceiling Unit			0.6 Ton	0.75 Ton	1 Ton	1.5 Ton	2 Ton	2.5 Ton	3 Ton	4 Ton	
	Model			FXSQ09MVJU	FXSQ12MVJU	FXSQ18MVJU	FXSQ24MVJU	FXSQ30MVJU	FXSQ36MVJU	FXSQ48MVJU	
	Cooling Capacity	Btu/h			12,000	18,000	24,000	30,000	36,000	48,000	
	Heating Capacity	Btu/h			13,500	20,000	27,000	34,000	40,000	54,000	
	Sound Pressure Level (H/L)	dB(A)			41/35 ¹	44/38 ¹	44/38 ¹	45/39 ¹	45/39 ¹	48/43 ¹	
	Airflow (H/L)	cfm			340/230	530/390	740/490	950/720	990/740	1,300/950	
	Weight	lbs.			69	73	95	119	119	122	
Condensate Pump Standard	Dimensions (H x W x D)	in.			11 7/8 x 21 5/8 x 31 1/2	11 7/8 x 27 1/2 x 31 1/2	11 7/8 x 39 3/8 x 31 1/2	11 7/8 x 55 1/8 x 31 1/2			
Indoor Units - FXMQ_MVJU Concealed Ceiling Unit (medium static)											
	Model							FXMQ30MVJU	FXMQ36MVJU	FXMQ48MVJU	
	Cooling Capacity	Btu/h						30,000	36,000	48,000	
	Heating Capacity	Btu/h						34,000	40,000	54,000	
	Sound Pressure Level (H/L)	dB(A)						45/41 ²	45/41 ²	48/45 ²	
	Airflow (H/L)	cfm						690/565	1,020/810	1,270/1,020	
	Weight	lbs.						99	139	144	
Condensate Pump Standard	Dimensions (H x W x D)	in.					15 3/8 x 28 3/8 x 27 1/8			15 3/8 x 43 3/4 x 27 1/8	
Indoor Units - FXDQ_MVJU Slim Duct Built-In Concealed Ceiling Unit											
	Model		FXDQ07MVJU	FXDQ09MVJU	FXDQ12MVJU	FXDQ18MVJU	FXDQ24MVJU				
	Cooling Capacity	Btu/h	7,500	9,500	12,000	18,000	24,000				
	Heating Capacity	Btu/h	8,500	10,500	13,500	20,000	27,000				
	Sound Pressure Level (H/L)	dB(A)	33/29 ²	33/29 ²	33/29 ²	35/31 ²	36/32 ²				
	Airflow (H/L)	cfm	280/226	280/226	280/226	440/350	580/460				
	Weight	lbs.	51	51	51	63	71				
Condensate Pump Standard	Dimensions (H x W x D)	in.	7 7/8 x 27 9/16 x 24 7/16		51	7 7/8 x 35 7/16 x 24 7/16	7 7/8 x 43 5/16 x 24 7/16				
Indoor Units - FXFQ_MVJU 3'x3' 4 Way Ceiling Mounted Cassette Unit											
	Model		FXFQ07MVJU	FXFQ09MVJU	FXFQ12MVJU	FXFQ18MVJU	FXFQ24MVJU	FXFQ30MVJU	FXFQ36MVJU		
	Cooling Capacity	Btu/h			12,000	18,000	24,000	30,000	36,000		
	Heating Capacity	Btu/h			13,500	20,000	27,000	34,000	40,000		
	Sound Pressure Level (H/L)	dB(A)			31/28 ²	33/28 ²	34/29 ²	38/32 ²	40/33 ²		
	Airflow (H/L)	cfm			460/350	570/390	670/490	990/710	990/740		
	Weight	lbs.			55	55	55	66	66		
Condensate Pump Standard	Unit Dimensions (H x W x D)	in.			9 1/8 x 33 1/8 x 33 1/8			11 3/8 x 33 1/8 x 33 1/8			
	Panel Dimensions (H x W x D)	in.			11 1/4 x 22 5/8 x 22 5/8			1 5/8 x 37 3/8 x 37 3/8			
Indoor Units - FXZQ_M7VJU 2'x2' 4 Way Ceiling Mounted Cassette Unit											
	Model		FXZQ07M7VJU	FXZQ09M7VJU	FXZQ12M7VJU	FXZQ18M7VJU					
	Cooling Capacity	Btu/h	7,500	9,500	12,000	18,000					
	Heating Capacity	Btu/h	8,700	11,100	14,000	21,000					
	Sound Pressure Level (H/L)	dB(A)	31/29	31/29	33/29	41/34					
	Airflow (H/L)	cfm	320/247	320/247	335/265	495/353					
	Weight	lbs.	42	42	42	42					
Condensate Pump Standard	Unit Dimensions (H x W x D)	in.	11 1/4 x 22 5/8 x 22 5/8								
	Panel Dimensions (H x W x D)	in.	2 3/16 x 27 9/16 x 27 9/16								
Indoor Units - FXAQ_MVJU Wall Mounted Unit											
	Model		FXAQ07MVJU	FXAQ09MVJU	FXAQ12MVJU	FXAQ18MVJU	FXAQ24MVJU				
	Cooling Capacity	Btu/h	7,500	9,500	12,000	18,000	24,000				
	Heating Capacity	Btu/h	8,500	10,500	13,500	20,000	27,000				
	Sound Pressure Level (H/L)	dB(A)	36/31 ³	37/31 ³	38/31 ³	43/27 ³	47/40 ³				
	Airflow (H/L)	cfm	260/160	285/175	300/180	500/400	635/470				
	Weight	lbs.	25	25	25	31	31				
Condensate Pump Standard	Dimensions (H x W x D)	in.	11 3/8 x 31 1/4 x 9		11 3/8 x 41 3/8 x 9						
Indoor Units - FXLQ_MVJU Floor Console Unit											
	Model				FXLQ12MVJU	FXLQ18MVJU	FXLQ24MVJU				
	Cooling Capacity	Btu/h			12,000	18,000	24,000				
	Heating Capacity	Btu/h			13,500	20,000	27,000				
	Sound Pressure Level (H/L)	dB(A)			36/33 ⁴	40/25 ⁴	41/36 ⁴				
	Airflow (H/L)	cfm			280/210	490/380	560/420				
	Weight	lbs.			66	80	80				
Condensate Pump Standard	Dimensions (H x W x D)	in.			23 5/8 x 44 7/8 x 8 3/4		23 5/8 x 55 7/8 x 8 3/4				
Indoor Units - FXNQ_MVJU Concealed Floor Console Unit											
	Model				FXNQ12MVJU	FXNQ18MVJU	FXNQ24MVJU				
	Cooling Capacity	Btu/h			12,000	18,000	24,000				
	Heating Capacity	Btu/h			13,500	20,000	27,000				
	Sound Pressure Level (H/L)	dB(A)			36/33 ⁴	40/25 ⁴	41/36 ⁴				
	Airflow (H/L)	cfm			280/210	490/380	560/420				
	Weight	lbs.			51	59	59				
Condensate Pump Standard	Dimensions (H x W x D)	in.			24 x 42 1/8 x 8 5/8		24 x 53 1/8 x 8 5/8				
Indoor Units - FXHQ_MVJU Ceiling Suspended Cassette Unit											
	Model				FXHQ12MVJU		FXHQ24MVJU		FXHQ36MVJU		
	Cooling Capacity	Btu/h			12,000		24,000		36,000		
	Heating Capacity	Btu/h			13,500		27,000		40,000		
	Sound Pressure Level (H/L)	dB(A)			38/33 ³		44/36 ³		46/41 ³		
	Airflow (H/L)	cfm			410/340		710/600		830/670		
	Weight	lbs.			55		80		90		
Condensate Pump Standard	Dimensions (H x W x D)	in.			7 11/16 x 37 13/16 x 26 3/4		7 11/16 x 55 1/8 x 26 3/4		7 11/16 x 62 5/8 x 26 3/4		
Indoor Units - FXOQ_MVJU Vertical Air Handler Unit (FXOQ42MVJU Model Also Available) The use of a BEQ box is required when installing the FXOQ unit (208V / 1Ph / 60Hz)											
	Model				FXOQ12MVJU	FXOQ18MVJU	FXOQ24MVJU	FXOQ30MVJU	FXOQ36MVJU	FXOQ48MVJU	
	Cooling Capacity	Btu/h			12,000	18,000	24,000	30,000	36,000	48,000	
	Heating Capacity	Btu/h			12,000	18,000	24,000	30,000	40,000	54,000	
	Airflow	cfm			400	600	800	1,000	1,200	1,600	
	Weight	lbs.			120	120	120	140	210	210	
	Condensate Pump Standard	Dimensions (H x W x D)	in.			44 x 15 x 22			48 x 18 1/2 x 22		49 x 20 x 26
	Junction Unit				BEQ12MVJLR1	BEQ18MVJLR1	BEQ24MVJLR1	BEQ30MVJLR1	BEQ36MVJLR1	BEQ48MVJLR1	



Notes:
 1 at 5 ft below bottom suction grill of unit
 2 at 5 ft below the unit
 3 at 3.3 ft below and from the unit
 4 measured at 5 ft away, 5 ft high

VRV Systems - Condensing Units



(208 - 230V / 3Ph / 60Hz)

Outdoor Units - RXYQ_PTJU Heat Pump		6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton	20 Ton	
	Model	RXYQ72PTJU	RXYQ96PTJU	RXYQ120PTJU	RXYQ144PTJU	RXYQ168PTJU	RXYQ192PTJU	RXYQ216PTJU	RXYQ240PTJU	
	Combination					RXYQ96PTJU + RXYQ72PTJU	RXYQ120PTJU + RXYQ96PTJU	RXYQ120PTJU + RXYQ96PTJU	2x RXYQ120PTJU	
	Cooling Capacity	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000	216,000	240,000
	Cooling Input Power	kW	5.4	8.6	10.9	13.2	14.0	16.3	19.5	21.8
	Heating Capacity	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000	243,000	270,000
	Heating Input Power	kW (Btu/h)	6.0 (20,472)	8.7 (29,684)	11.4 (38,897)	13.4 (45,721)	14.7 (50,156)	17.4 (59,369)	20.1 (68,581)	22.8 (77,794)
	Operating Range - Cooling (DB)	°F	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110
	Operating Range - Heating (DB/WB)	°F	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60
	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	208-230/3/60
	Sound Pressure Level @3ft	dB(A)	58	58	60	61	61	62	62	63
	Airflow	cfm	6,530	6,530	7,060	8,300	6,530 + 6,530	7,060 + 6,530	7,060 + 6,530	7,060 + 7,060
	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)	164 (295 with option)
	Vertical Pipe Length - below	ft.	295	295	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	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	3,280	
Weight	lbs.	560	560	560	747	560 + 560	560 + 560	560 + 560	560 + 560	
Dimensions (H x W x D)	in.	66 1/8 x 36 5/8 x 30 1/8			66 1/8 x 51 3/16 x 30 1/8		66 1/8 x (36 5/8 x 2) x 30 1/8			

Outdoor Units - REYQ_PTJU Heat Recovery		6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton	20 Ton	
	Model	REYQ72PTJU	REYQ96PTJU	REYQ120PTJU	REYQ144PTJU	REYQ168PTJU	REYQ192PTJU	REYQ216PTJU	REYQ240PTJU	
	Combination					REM96PTJU + REMQ72PTJU	REM120PTJU + REMQ72PTJU	REM120PTJU + REMQ96PTJU	2x REMQ120PTJU	
	Cooling Capacity	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000	216,000	240,000
	Cooling Input Power	kW	5.3	8.4	10.9	13.2	14.0	16.3	19.5	21.8
	Heating Capacity	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000	243,000	270,000
	Heating Input Power	kW (Btu/h)	6.05 (20,643)	8.95 (30,537)	11.2 (38,214)	13.4 (45,721)	14.7 (50,156)	17.4 (59,369)	20.1 (68,581)	22.8 (77,794)
	Operating Range - Cooling (DB)	°F	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110
	Operating Range - Heating (DB/WB)	°F	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60
	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	208-230/3/60
	Sound Pressure Level @3ft	dB(A)	58	58	60	62	61	62	62	63
	Airflow	cfm	6,700	6,700	7,410	8,300	6,530 + 6,530	7,060 + 6,530	7,060 + 6,530	7,060 + 7,060
	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)	164 (295 with option)
	Vertical Pipe Length - below	ft.	295	295	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	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	3,280	
Weight	lbs.	730	730	730	747	560 + 450	560 + 450	560 + 450	560 + 560	
Dimensions (H x W x D)	in.	66 1/8 x 51 3/16 x 30 1/8			66 1/8 x 51 3/16 x 30 1/8		66 1/8 x (36 5/8 x 2) x 30 1/8			

(460V / 3Ph / 60Hz)

Outdoor Units - RXYQ_PYDN Heat Pump		6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton	20 Ton	
	Model	RXYQ72PYDN	RXYQ96PYDN	RXYQ120PYDN	RXYQ144PYDN	RXYQ168PYDN	RXYQ192PYDN	RXYQ216PYDN	RXYQ240PYDN	
	Combination				2x RXYQ72PYDN	RXYQ72PYDN + RXYQ96PYDN	RXYQ72PYDN + RXYQ120PYDN	RXYQ96PYDN + RXYQ120PYDN	2x RXYQ120PYDN	
	Cooling Capacity	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000	216,000	240,000
	Cooling Input Power	kW	5.6	9.1	11.8	14.7	14.7	17.4	20.9	23.6
	Heating Capacity	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000	243,000	270,000
	Heating Input Power	kW (Btu/h)	6.6 (22,519)	9.6 (32,755)	12.3 (41,968)	13.2 (45,038)	16.2 (55,274)	18.9 (64,487)	21.9 (74,723)	24.6 (83,935)
	Operating Range - Cooling (DB)	°F	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110
	Operating Range - Heating (DB/WB)	°F	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60
	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	460/3/60
	Sound Pressure Level @3ft	dB(A)	58	58	60	61	61	62	62	63
	Airflow	cfm	6,350	6,350	7,060	6,530 + 6,530	6,530 + 6,530	7,060 + 6,530	7,060 + 6,530	7,060 + 7,060
	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)	164 (295 with option)
	Vertical Pipe Length - below	ft.	295	295	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	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	3,280	
Weight	lbs.	573	573	573	573 + 573	573 + 573	573 + 573	573 + 573	573 + 573	
Dimensions (H x W x D)	in.	66 1/8 x 36 5/8 x 30 1/8			66 1/8 x 36 5/8 x 30 1/8		66 1/8 x (36 5/8 x 2) x 30 1/8			

Outdoor Units - REYQ_PYDN Heat Recovery		6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton	20 Ton	
	Model	REYQ72PYDN	REYQ96PYDN	REYQ120PYDN	REYQ144PYDN	REYQ168PYDN	REYQ192PYDN	REYQ216PYDN	REYQ240PYDN	
	Combination				2x REMQ72PYDN	REM96PYDN + REMQ72PYDN	REM120PYDN + REMQ72PYDN	REM96PYDN + REMQ120PYDN	2x REMQ120PYDN	
	Cooling Capacity	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000	216,000	240,000
	Cooling Input Power	kW	5.5	8.8	11.8	14.7	14.7	17.4	20.9	23.6
	Heating Capacity	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000	243,000	270,000
	Heating Input Power	kW (Btu/h)	6.4 (21,837)	9.6 (32,755)	12.3 (41,968)	13.2 (45,038)	16.2 (55,274)	18.9 (64,487)	21.9 (74,723)	24.6 (83,935)
	Operating Range - Cooling (DB)	°F	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110
	Operating Range - Heating (DB/WB)	°F	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60
	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	460/3/60
	Sound Pressure Level @3ft	dB(A)	58	58	60	60	61	62	62	63
	Airflow	cfm	6,700	6,700	7,410	6,530 + 6,530	6,530 + 6,530	7,060 + 6,530	7,060 + 6,530	7,060 + 7,060
	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)	164 (295 with option)
	Vertical Pipe Length - below	ft.	295	295	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	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	3,280	
Weight	lbs.	732	732	732	463 + 463	573 + 463	573 + 463	573 + 573	573 + 573	
Dimensions (H x W x D)	in.	66 1/8 x 51 3/16 x 30 1/8			66 1/8 x 51 3/16 x 30 1/8		66 1/8 x (36 5/8 x 2) x 30 1/8			

Branch Selector - BSVQ_PVJU (for use with REYQ_PYDN / REYQ_PTJU)		Model	BSVQ36PVJU	BSVQ60PVJU
	Power Supply		1 phase 208-230V 60Hz	
	Dimensions (H x W x D)	in.	8 1/8 x 15 1/4 x 12 13/16	
	Weight	lbs.	26	
Piping Connections	Indoor Unit	Liquid in.	φ 3/8 (brazed)	φ 3/8 (brazed)
		Gas in.	φ 5/8 (brazed)	φ 5/8 (brazed)
	Outdoor Unit	Liquid in.	φ 3/8 (brazed)	φ 3/8 (brazed)
		Suction Gas in.	φ 5/8 (brazed)	φ 5/8 (brazed)
		HPLP Gas in.	φ 1/2 (brazed)	φ 1/2 (brazed)



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


VRV-S Systems - Condensing Units



(208 - 230V / 1Ph / 60Hz)

The VRV-S system is a perfect fit for residential and light commercial applications, Available in 3 and 4-Ton air-cooled condensing units, the VRV-S allows for heating and cooling of up to 8 individual zones. Each zone receives its own controller and sensor enabling personalized comfort wherever you are. Quiet operation, energy savings and flexibility of installation and use, are just a few features of the Daikin VRV-S.



Outdoor Units - RXYMQ_MVJU Heat Pump		3 Ton	4 Ton	
 <p>RXYMQ unit</p>	Model	RXYMQ36MVJU	RXYMQ48MVJU	
	Cooling Capacity	Btu/h	36,000	48,000
	Cooling Input Power	kW	3.05	4.73
	Heating Capacity	Btu/h	40,000	54,000
	Heating Input Power	kW (Btu/h)	3.27 (11,157)	4.26 (14,535)
	Operating Range - Cooling (DB)	°F	23 - 115	23 - 115
	Operating Range - Heating (DB/WB)	°F	0 - 77 / -4 - 60	0 - 77 / -4 - 60
	Power	V/Ph/Hz	208-230/1/60	208-230/1/60
	Sound Pressure Level @3ft	dB(A)	58	58
	Airflow	cfm	3,740	3,740
	Vertical Pipe Length - above	ft.	164	164
	Vertical Pipe Length - below	ft.	130	130
	Actual Pipe Length	ft.	492	492
	Equivalent Pipe Length	ft.	575	575
Total Pipe Length	ft.	1,000	1,000	
Weight	lbs.	310	310	
Dimensions (H x W x D)	in.	52 15/16 x 35 7/16 x 12 5/8		

Certified Performance

Following developments with the U.S. Department Of Energy (DOE), the VRV-S systems are performance certified to ARI Standard 210/240 with the following performance values:

Outdoor Unit	Indoor Units Combination	ARI Reference Number	Cooling			Heating			Low Heating 17 °F		Estimated National Average Annual Operating Cost	
			Nominal Capacity (Btu/h)	EER 95 °F	SEER	Nominal Capacity (Btu/h)	COP 47 °F	HSPF	Capacity (Btu/h)	COP	Cool	Heat
RXYMQ36MVJU	Non-Ducted Indoor Units	3024378	38,000	11.20	14.30	42,000	2.90	8.15	29,600	2.00	\$229	\$338
	Ducted Indoor Units	3024380	36,000	9.60	13.00	40,000	2.85	7.80	31,200	2.10	\$238	\$618
	Mixed Ducted and Non-Ducted Indoor Units	3024382	37,000	10.40	13.65	41,000	2.875	7.95	30,400	2.05	\$233	\$520
RXYMQ48MVJU	Non-Ducted Indoor Units	3024379	47,500	9.40	13.90	52,500	2.75	8.10	33,600	2.00	\$294	\$510
	Ducted Indoor Units	3024381	48,000	9.00	13.10	54,000	2.60	7.85	36,400	2.00	\$315	\$614
	Mixed Ducted and Non-Ducted Indoor Units	3024383	47,500	9.20	13.50	53,000	2.675	7.95	35,000	2.00	\$303	\$606

VRV-S: Simply sensational

Single-Phase Technology. Perfect for light commercial and residential applications.

Smaller Capacity. Allows you to maintain precise temperature control over every square inch of space.

Space-Saving Design. Slim outdoor unit (just 15 5/8") and flexible indoor unit options offer quick and easy installation.

Superior Energy Efficiency. Results in lower operating costs, especially under partial load conditions.

Silent Operation. Quiet sound levels ensure comfortable fit in any room.

Single-Supplier Reliability. Delivers 80% complete and fully optimized by Daikin, plus has self-diagnostics and one of the best warranties in the industry.




VRV-WII Systems - Condensing Units



(208 - 230V / 3Ph / 60Hz)

Condensing Unit - Unified Heat Pump and Heat Recovery			5 Ton		6 Ton		7 Ton		12 Ton		14 Ton		18 Ton		21 Ton		
VRV Water Cooled Systems	Model	Name	RWEYQ60MTJU		RWEYQ72MTJU		RWEYQ84MTJU		RWEYQ144MTJU		RWEYQ168MTJU		RWEYQ216MTJU		RWEYQ252MTJU		
		Combination							2x RWEYQ72MTJU		2x RWEYQ84MTJU		3x RWEYQ72MTJU		3x RWEYQ84MTJU		
	Performance	Cooling Capacity	Btu/h	60,000		72,000		84,000		144,000		168,000		216,000		252,000	
		Cooling Input Power	kW	3.41		4.2		5.6		8.4		11.2		12.6		16.8	
		Heating Capacity	Btu/h	67,500		81,000		94,500		162,000		189,000		243,000		283,500	
		Heating Input Power	kW (Btu/h)	3.2 (10,918)		4.0 (13,648)		5.4 (18,425)		8.0 (27,296)		10.8 (36,850)		12.0 (40,944)		16.2 (55,274)	
		Power Supply	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	
	Refrigerant Side	System Configuration	Sound Pressure Level @3ft	50		50		51		53		54		56		57	
			Heat Pump	Heat Recovery	Heat Pump	Heat Recovery	Heat Pump	Heat Recovery	Heat Pump	Heat Recovery	Heat Pump	Heat Recovery	Heat Pump	Heat Recovery	Heat Pump	Heat Recovery	
		Liquid Pipe (Main Line)	in.	ϕ 3/8	ϕ 3/8	ϕ 3/8	ϕ 3/8	ϕ 3/8	ϕ 3/8	ϕ 1/2	ϕ 1/2	ϕ 5/8	ϕ 5/8	ϕ 5/8	ϕ 5/8	ϕ 3/4	ϕ 3/4
Suction Gas Pipe (Main Line)		in.	N/A	ϕ 3/4	N/A	ϕ 3/4	N/A	ϕ 7/8	N/A	ϕ 1-1/8	N/A	ϕ 1-1/8	N/A	ϕ 1-3/8	N/A	ϕ 1-3/8	
Discharge Gas Pipe (Main Line)		in.	ϕ 3/4	ϕ 5/8	ϕ 3/4	ϕ 5/8	ϕ 7/8	ϕ 3/4	ϕ 1-1/8	ϕ 7/8	ϕ 1-1/8	ϕ 7/8	ϕ 1-3/8	ϕ 1-1/8	ϕ 1-3/8	ϕ 1-1/8	
Vertical Pipe Length (If unit below FCU)		ft.	164 (130)		164 (130)		164 (130)		164 (130)		164 (130)		164 (130)		164 (130)		
Actual Pipe Length (Equivalent Length)		ft.	390 (459)		390 (459)		390 (459)		390 (459)		390 (459)		390 (459)		390 (459)		
Total Pipe Length		ft.	980		980		980		980		980		980		980		
Water Side		BPHE Inlet Pipe (Female Thread)	in.	1-1/4FPT		1-1/4FPT		1-1/4FPT		(1-1/4FPT)x2		(1-1/4FPT)x2		(1-1/4FPT)x3		(1-1/4FPT)x3	
		BPHE Outlet Pipe (Female Thread)	in.	1-1/4FPT		1-1/4FPT		1-1/4FPT		(1-1/4FPT)x2		(1-1/4FPT)x2		(1-1/4FPT)x3		(1-1/4FPT)x3	
	Drain Pipe (Female Thread)	in.	1/2FPT		1/2FPT		1/2FPT		(1/2FPT)x2		(1/2FPT)x2		(1/2FPT)x3		(1/2FPT)x3		
	Max. System Water Pressure (BPHE)	psi	285		285		285		285		285		285		285		
	Inlet Water Temperature Range	°F	(50) 59 - 113		(50) 59 - 113		(50) 59 - 113		(50) 59 - 113		(50) 59 - 113		(50) 59 - 113		(50) 59 - 113		
Unit	Inlet Water Flow Range		(13.2) 39.5 gpm		(13.2) 39.5 gpm		(13.2) 39.5 gpm		(13.2) 39.5 gpm		(13.2) 39.5 gpm		(13.2) 39.5 gpm		(13.2) 39.5 gpm		
	Weight	lbs.	330		330		330		330x2		330x2		330x3		330x3		
Dimensions (H x W x D)		in.	← 39 3/8 x 30 3/4 x 21 11/16 →														

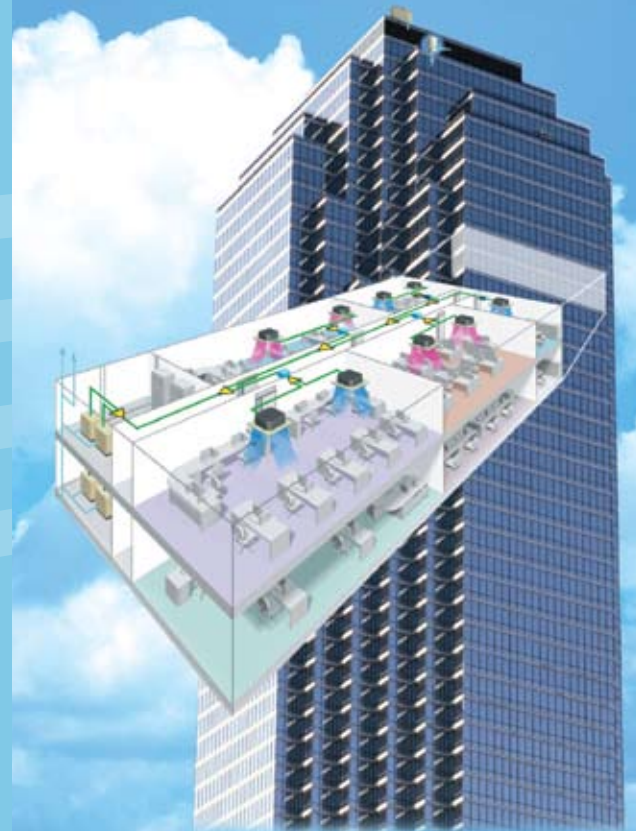
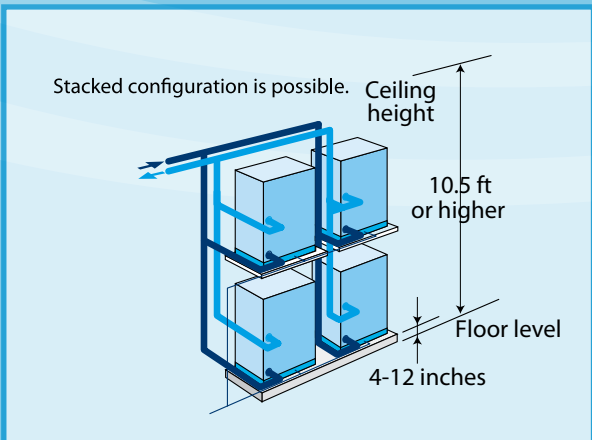
BSVQ MVJU (for use with RWEYQ MTJU)				
	Model	BSVQ36MVJU	BSVQ60MVJU	
	Power Supply	1 phase 208-230V 60Hz		
	Dimension (H x W x D)	in. 7 1/4 x 12 1/4 x 11		
	Weight	lbs. 18		
Piping Connections	Indoor Unit	Liquid in.	ϕ 3/8 (flare)	ϕ 3/8 (flare)
		Gas in.	ϕ 5/8 (flare)	ϕ 5/8 (flare)
	Outdoor Unit	Liquid in.	ϕ 3/8 (flare)	ϕ 3/8 (flare)
		Suction Gas in.	ϕ 5/8 (flare)	ϕ 5/8 (flare)
	Discharge Gas in.	ϕ 1/2 (flare)	ϕ 1/2 (flare)	

DID YOU KNOW?
VRV®-WII can now be utilized in a geothermal application.







With the addition of the newly developed VRV®-WII geothermal control logic, the operation range can now be extended to as low as 24.8 °F (-4 °C) entering water temperature (EWT) in heating. This is achieved with the addition of a field installed replacement condenser control board.

Water Cooled VRV

Daikin's water cooled VRV® offers an energy saving alternative to traditional centralized equipment. Its remarkable compact and lightweight structure makes installation of VRV technology in large buildings possible. At only 330 lbs. and less than 40" high, the VRV®-WII can take a ride up the elevator to be installed in a machine room. Offering state of the art comfort for hotels, offices and large commercial applications, the engineer solution toolbox just got bigger. The VRV system keeps running costs at an absolute minimum by controlling each zone individually and being able to shut down completely in unoccupied areas.



Control Solutions for VRV

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

LONWORKS® Networks Compatible Gateway

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



BACnet® Networks Compatible Gateway

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



Intelligent Manager III



- 1,024 groups (2,048 groups) connectable
- Management of AC units, facilities, and ancillary equipment
- Operation on 1 master PC and 1 sub PC
- Remote monitoring via the web

Intelligent Touch Controller



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

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 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, store, restaurants and much more. With Daikin you can create a responsive environment that can constantly readjust itself to your changing needs.

Advanced Zoning Capabilities provide complete control and Absolute Comfort over every square inch of your environment regardless of building size, configuration or function. Our system's modular design allows you to condition each individual zone as it is occupied.

Energy Efficiency and lower operating costs result from being able to control each zone or room individually, allowing you to adjust the level of air conditioning based on its use.

Innovative Space Saving Design has been incorporated into every aspect of the system, so you can utilize each area to its fullest.

Reliability is assured throughout, with high specification, intelligent design and functions.

Enjoy the comfort of having one of the **Best Warranties** in the business.

WE ARE DAIKIN AC – ABSOLUTE COMFORT



Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF
COMMERCIAL AIR CONDITIONING, HEATING, COOLING,
REFRIGERATING EQUIPMENT, COMMERCIAL HEATING
EQUIPMENT, RESIDENTIAL AIR CONDITIONING
EQUIPMENT, HEAT RECLAIM VENTILATION, AIR
CLEANING EQUIPMENT, MARINE TYPE CONTAINER
REFRIGERATION UNITS, COMPRESSORS AND VALVES.



Organization:
DAIKIN INDUSTRIES
(THAILAND) LTD.

Scope of Registration:
THE DESIGN/DEVELOPMENT
AND MANUFACTURE OF AIR
CONDITIONERS AND THE
COMPONENTS INCLUDING
COMPRESSORS USED FOR THEM.



All of the Daikin Group's business
facilities and subsidiaries in Japan
are certified under the ISO 14001
International standard for
environmental management.



© 2008 Daikin Industries, Limited.

Daikin® Daikin AC Absolute Comfort®, and its design, VRV® and REFNET™ are trademarks pending or registered trademarks of Daikin Industries, Limited. All rights reserved. LonWorks® and LON® are registered trademarks of Echelon Corporation. BACnet® is a Data Communication Protocol for Building Automation and Control Networks, developed under the auspices of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

Dealer Information

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

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



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

Tel: 972-245-1510
Toll Free: 866-4DAIKIN
Visit us at www.daikinac.com

GPUSE09-04B