

Daikin AC Product Lineup

COMMERCIAL
LIGHT COMMERCIAL
RESIDENTIAL



COMMERCIAL and LIGHT COMMERCIAL



RESIDENTIAL Air-to-Air



RESIDENTIAL Air-to-Water



DAIKIN
altherma

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 readjusts 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



Single Split Systems


SEER 13 Standard Efficiency

Indoor Units - FDXS_DVJU Slim Duct Built-In Concealed Ceiling Unit

		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-Wet (H/M/L)	cfm	305/280/260	305/280/260	
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. ø 1/4	ø 1/4	
	Gas (O.D.)	in. ø 3/8	ø 3/8	
	Condensate (O.D.)	in. ø 1-1/32	ø 1-1/32	
Dimensions (H x W x D)	in.	10-13/16 x 30-1/4 x 36-5/16		
Net Weight	lbs.	74	91	




Outdoor Units - RXS_DAVJU

		Model	RXS09DAVJU	RXS12DAVJU
Compressor Type	Hermetically sealed swing type compressor			
Energy Efficiency	SEER	16.0	16.0	
Energy Efficiency	HSPF	8.8	8.8	
Power Consumption-Cooling	W	730	1,190	
Power Consumption-Heating	W	1,030	960	
Sound Pressure Level (cooling/heating)	dB(A)	48/49	49/51	
Operating Current-Cooling	A	3.93	5.33	
Operating Current-Heating	A	4.80	4.60	
Operating Range-Cooling (outdoor)	°F DB	14 - 115	14 - 115	
Operating Range - Cooling (outdoor-db) (with optional wind baffle)	°F	0 - 115	0 - 115	
Operating Range-Heating (outdoor)	°F DB	0 - 77	0 - 77	
Max. Piping Length	ft.	66	66	
Max. Height Difference	ft.	49	49	
Dimensions (H x W x D)	in.	21-11/16 x 25-15/16 x 10-3/4		
Net Weight	lbs.	68		




SEER 14+ Standard Efficiency

Indoor Units - FTXN_K(E)VJU Wall Mounted Units

		Model	FTXN09KEVJU	FTXN12KEVJU	FTXN15KVJU	FTXN18KVJU	FTXN24KVJU
Cooling Capacity (min./nom./max.)	Btu/h	4,400/9,000/9,500	4,400/12,000/12,000	5,800/15,000/15,000	5,800/18,000/18,000	5,800/22,000/22,000	
Heating Capacity (min./nom./max.)*	Btu/h	4,400/10,000/11,600	4,400/13,500/16,400	5,800/18,000/21,200	5,800/21,600/24,000	5,800/24,000/25,400	
Moisture Removal	Pt/h	n/a	n/a	2.9	3.9	4.5	
Airflow-Wet (H/M/L)	cfm	325/244/162	328/254/184	519/438/364	572/480/403	572/480/403	
Airflow-Dry (H/M/L)*	cfm	342/275/212	357/293/226	568/491/406	614/533/448	614/533/448	
Sound Pressure Level - Cooling (H/M/L)	dB(A)	40/33/26	42/34/27	45/41/36	45/41/36	46/42/37	
Sound Pressure Level - Heating (H/M/L)*	dB(A)	40/34/28	41/35/29	44/40/35	44/40/35	46/42/37	
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 5/8	
	Condensate Drain Connection (O.D.)	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 30-5/16 x 7-7/8		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	RKN09KEVJU	RKN12KEVJU	RKN15KEVJU	RKN18KEVJU	RKN24KEVJU
Compressor Type	Cooling Only	RKN09KEVJU	RKN12KEVJU	RKN15KEVJU	RKN18KEVJU	RKN24KEVJU	
	Heat Pump	RXN09KEVJU	RXN12KEVJU	RXN15KEVJU	RXN18KEVJU	RXN24KEVJU	
Compressor Type	Hermetically sealed swing type compressor						
Energy Efficiency	SEER	14.5	14.0	14.5	14.5	14.0	
Energy Efficiency	HSPF	8.5	8.5	8.5	8.5	8.5	
Power Consumption-Cooling	W	710	1,170	1,216	1,466	2,526	
Power Consumption-Heating*	W	800	1,180	1,694	2,164	2,494	
Sound Pressure Level (cooling/heating)*	dB(A)	48/48	50/51	51/53	53/53	54/54	
Operating Current-Cooling	A	4.20 - 3.82	6.00 - 5.42	5.94 - 5.38	7.16 - 6.48	12.34 - 11.17	
Operating Current-Heating*	A	4.80 - 4.32	6.10 - 5.52	8.28 - 7.49	10.57 - 9.56	12.19 - 11.02	
Operating Range-Cooling (outdoor)	°F DB	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)*	°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77	
Max. Piping Length	ft.	66	66	98	98	66	
Max. Height Difference	ft.	49	49	66	66	66	
Dimensions (H x W x D)	in.	21-11/16 x 25-15/16 x 10-3/4		23-7/16 x 31-5/16 x 11-13/16			
Net Weight	lbs.	68			93		




*Applicable to Heat Pump Models only

SEER 15+ High Efficiency

Indoor Units - FTXS_HVJU Wall Mounted Units








      	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	
	Airflow-Wet (H/M/L)	cfm	246/197/148	242/195/148	519/436/353	549/476/402	536/473/409	
	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.	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 (O.D.)	in.	ø 11/16	ø 11/16	ø 11/16	ø 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		
	Net Weight	lbs.	16.6	16.6	26.5	26.5	26.5	

Outdoor Units - RXS_D(A)VJU Heat Pump




   Combination of RXS15DVJU and FTXS15HVJU is Energy Star rated	Model		RXS09DAVJU	RXS12DAVJU	RXS15DVJU	RXS18DVJU	RXS24DVJU
	Compressor Type		Hermetically sealed swing type compressor				
	Energy Efficiency	SEER	16.0	16.0	17.0	16.3	15.0
	Energy Efficiency	HSPF	8.8	8.8	10.1	9.1	9.2
	Power Consumption-Cooling	W	730	1,190	1,190	1,550	2,315
	Power Consumption-Heating	W	1,030	960	1,530	1,960	2,545
	Sound Pressure Level (cooling/heating*)	dB(A)	48/49	49/51	51/51	51/51	54/54
	Operating Current-Cooling	A	3.93	5.33	5.30	6.79	10.10
	Operating Current-Heating*	A	4.80	4.60	6.70	8.50	11.10
	Operating Range-Cooling (outdoor)	°F DB	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)*	°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
	Max. Piping Length	ft.	66	66	98	98	98
Max. Height Difference	ft.	49	49	66	66	66	
Dimensions (H x W x D)	in.	21-11/16 x 25-15/16 x 10-3/4			23-7/16 x 31-5/16 x 11-13/16		
Net Weight	lbs.	68			117		

SEER 18 Standard Efficiency

Indoor Units - Wall Mounted Units

      	Model		FTKS09JEVJU	FTKS12JEVJU	FTXS09JEVJU	FTXS12JEVJU	
	Cooling Capacity (min./nom./max.)	Btu/h	4,400/8,500/9,500	4,400/10,000/12,000	4,400/8,500/9,500	4,400/10,000/12,000	
	Heating Capacity (min./nom./max.)	Btu/h	n/a	n/a	4,400/10,000/11,600	4,400/12,000/16,400	
	Airflow-Wet (H/M/L)	cfm	n/a	n/a	6,000	6,900	
	Airflow-Dry (H/M/L)	cfm	325/261/187/141	328/272/198/155	325/261/187/141	328/272/198/155	
	Sound Pressure Level - Cooling (H/M/L)	dB(A)	n/a	n/a	342/286/226/198	357/297/237/208	
	Sound Pressure Level - Heating (H/M/L)	dB(A)	40/33/26/22	41/34/27/23	40/33/26/22	41/34/27/23	
	Piping Connections	Liquid (O.D.)	in.	n/a	n/a	40/34/28/25	41/35/29/26
		Gas (O.D.)	in.	ø 1/4	ø 1/4	ø 1/4	ø 1/4
		Condensate (O.D.)	in.	ø 3/8	ø 3/8	ø 3/8	ø 3/8
	Dimensions (H x W x D)	in.	ø 5/8			ø 5/8	
	Net Weight	lbs.	11-1/8 x 30-1/4 x 7-3/4			11-1/8 x 30-1/4 x 7-3/4	
	Net Weight	lbs.	16	16	16	16	

Outdoor Units

   Energy Star rated RXS_JEVJU qualify for The Tax Relief Act of 2010	Model		RKS09JEVJU	RKS12JEVJU	RXS09JEVJU	RXS12JEVJU
	Compressor Type		Hermetically sealed swing type compressor		Hermetically sealed swing type compressor	
	Energy Efficiency	SEER	18	18	18	18
	Energy Efficiency	HSPF	10.0	10.0	10.0	10.0
	Power Consumption-Cooling	W	640	760	640	760
	Power Consumption-Heating	W	735	890	735	890
	Sound Pressure Level (cooling/heating)	dB(A)	48/48	48/49	48/48	48/49
	Operating Current-Cooling	A	3.90 - 3.52	3.90 - 3.52	3.90 - 3.52	3.90 - 3.52
	Operating Current-Heating	A	3.80 - 3.42	4.60 - 4.12	3.80 - 3.42	4.60 - 4.12
	Operating Range-Cooling (outdoor)	°F DB	50 - 115	50 - 115	50 - 115	50 - 115
	Operating Range-Heating (outdoor)	°F DB	5 - 77	5 - 77	5 - 77	5 - 77
	Max. Piping Length	ft.	49	49	49	49
	Max. Height Difference	ft.	39	39	39	39
Dimensions (H x W x D)	in.	21-21/32 x 25-29/32 x 10-13/16			21-21/32 x 25-29/32 x 10-13/16	
Net Weight	lbs.	68			68	

*Applicable to Heat Pump Models only

Quaternity



Quaternity Indoor Units - FTXG_HVJU Wall Mounted Units

Model		FTXG09HVJU	FTXG12HVJU	FTXG15HVJU
Cooling Capacity (min. - nom. - max.)	Btu/h	5,300 - 9,000 - 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	3.3	4.1	4.8
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 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. ø 1/4	ø 1/4	ø 1/4
	Gas (O.D.)	in. ø 3/8	ø 3/8	ø 3/8
	Condensate (O.D.)	in. ø 11/16	ø 11/16	ø 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

Model		RXG09HVJU	RXG12HVJU	RXG15HVJU
Compressor Type		Hermetically sealed swing type compressor		
Energy Efficiency	SEER	26.1	24.2	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	546	831	1,160
Power Consumption - Heating	W	754	1,129	1,320
Sound Pressure Level - Cooling/Heating	dB(A)	46/46	49/48	50/50
Operating Range - Cooling (outdoor-db)	°F	14 - 109	14 - 109	14 - 109
Operating Range - Heating (outdoor-db)	°F	-4 - 75	-4 - 75	-4 - 75
Operation Current - Cooling	A	2.98	4.16	5.49
Operation Current - Heating	A	3.90	5.49	6.20
Max. Piping Length	ft.	32	32	32
Max. Height Difference	ft.	26	26	26
Dimensions (H x W x D)	in.	22-3/8 X 31-5/16 X 11-1/4		
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

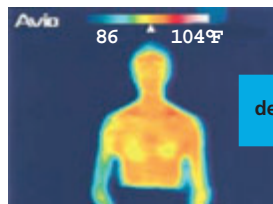


Quaternity Units are AHRI 210/240 performance certified, have earned the Energy Star label, and qualify for the Tax Relief Act of 2010

Controlling the humidity level 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 over cooling, which helps to save on energy use.

Room temperature 77°F
Humidity 80%

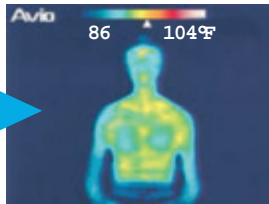
Room temperature 77°F
Humidity 50%



OVERHEATED
Hot and stuffy with high humidity.



Quaternity's dehumidification operation



COMFORTABLE
Decreasing humidity while maintaining the temperature increases comfort.

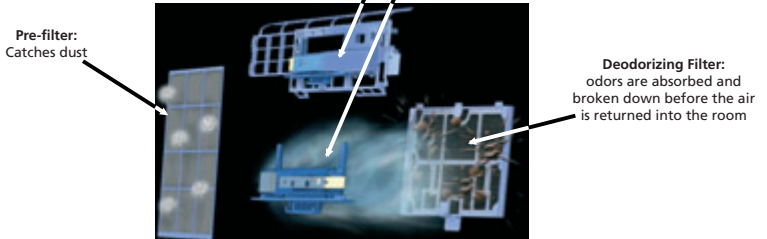
- Up to SEER 26.1 and EER 15.8, one of the highest energy efficiencies in the market
- Ability to dehumidify to a relative humidity setting
- "Flash Streamer" air cleaner for improved IAQ
- Wireless infra-red remote controller shows ambient temperature and room temperature
- Comfort, sound set-back ability
- Quiet operation
- Improved maximum capacity

Increased indoor air quality with Daikin Flash Streamer technology

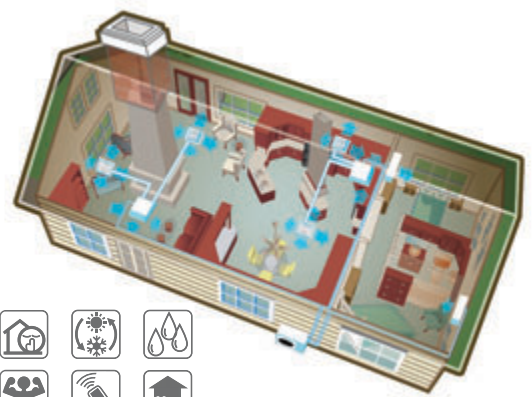
Flash Streamer technology is proven to deliver over a 1,000 times faster purification versus normal "plasma" type systems. The multi layered air purifying function powerfully decomposes and removes molecules of allergens and odors by colliding them with high speed electrons discharged from the Flash 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.



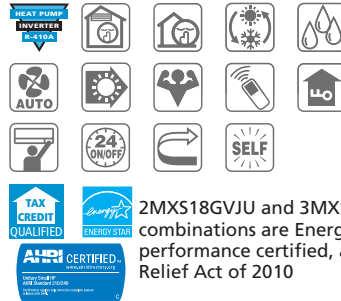
Flash Streamer: releases streams of high-speed electrons with strong oxidation power



Multi-Split Systems



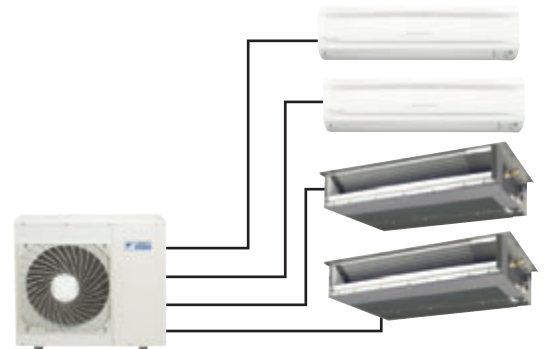
Indoor Units - Slim Duct Built-In Units			
Model		FDXS09DVJU	FDXS12DVJU
Refrigerant		R-410A	R-410A
Front Panel Color		Off-White	Off-White
Rated Capacity* (nom.)	Btu/h	9,000	12,000
Moisture Removal	Pt/h	2.5	4
Airflow-Dry and Wet (H/M/L)	cfm	305/280/260	305/280/260
Sound Pressure Level - Cooling and Heating (H/L)	dB(A)	35/33/31	35/33/31
Condensate Drain Connection (O.D.)	in.	ø 1-1/32	ø 1-1/32
Dimensions (H x W x D)	in.	7-7/8 x 27-9/16 x 24-7/16	
Net Weight	lbs.	47	47
Gross Weight	lbs.	64	64
Wireless Remote Controller (standard)		ARC433A63	ARC433A63
Wired Remote Controller (optional) with 26 ft. cable		BRC944B2-A08	BRC944B2-A08
Optional Condensate Pump		DACA-CP1-1	DACA-CP1-1



2MXS18GVJU and 3MXS24JVJU in non ducted combinations are Energy Star rated, AHRI 210/240 performance certified, and qualify for the Tax Relief Act of 2010

Indoor Units - Wall Mounted Units						
Model		CTXS07JVJU	CTXS09HVJU	CTXS12HVJU	FTXS15HVJU	FTXS18HVJU
Refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A
Front Panel Color		Off-White	Off-White	Off-White	Off-White	Off-White
Rated Capacity* (nom.)	Btu/h	7,000	9,000	12,000	15,000	18,000
Moisture Removal	Pt/h	n/a	n/a	n/a	3.4	4.3
Cooling Capacity (nom.)	Btu/h	7,000	8,500	11,500	15,000	18,000
Heating Capacity (nom.)	Btu/h	8,500	10,000	11,500	18,000	21,600
Airflow-Wet (H/M/L)	cfm	388/335/283	388/335/283	388/335/283	519/436/353	549/476/402
Airflow-Dry (H/M/L)	cfm	400/357/314	400/357/314	400/357/314	515/459/402	609/529/448
Sound Pressure Level - Cooling (H/L)	dB(A)	44/35	44/35	45/36	45/36	45/36
Sound Pressure Level - Heating (H/M/L)	dB(A)	44/39/34	44/39/34	45/40/35	44/40/35	44/40/35
Condensate Drain Connection (O.D.)	in.	ø 11/16	ø 11/16	ø 11/16	ø 11/16	ø 11/16
Dimensions (H x W x D)	in.	11-7/16 x 31-5/16 x 9-3/8			11-7/16 x 41-5/16 x 9-3/8	
Net Weight	lbs.	20	20	20	26.5	26.5
Gross Weight	lbs.	29	29	29	38	38
Wireless Remote Controller (standard)		ARC452A9	ARC452A9	ARC452A9	ARC452A9	ARC452A9
Wired Remote Controller (optional) with 26 ft. cable		BRC944B2-A08	BRC944B2-A08	BRC944B2-A08	BRC944B2-A08	BRC944B2-A08

Outdoor Units				
Model		2MXS18GVJU	3MXS24JVJU	4MXS32GVJU
Capacity	Btu/h	18,000	24,000	32,000
Casing Color		Ivory White	Ivory White	Ivory White
Refrigerant		R-410A	R-410A	R-410A
Power Source		1ph 208/230V 60Hz	1ph 208/230V 60Hz	1ph 208/230V 60Hz
Max. Fuse Size	A	20	20	20
Compressor Type		Hermetically sealed swing type compressor		
Compressor Motor Output	W	1,380	1,920	1,920
Power Consumption-Cooling	W	Refer to Engineering Data		
Power Consumption-Heating	W	Refer to Engineering Data		
Operating Current-Cooling	A	Refer to Engineering Data		
Operating Current-Heating	A	Refer to Engineering Data		
Sound Pressure Level (cooling/heating)	dB(A)	50/51	52/54	52/54
Operating Range-Cooling	outdoor °F DB	14 - 115	14 - 115	14 - 115
Operating Range-Heating	outdoor °F DB	5 - 72	5 - 72	5 - 72
Pipe Connections-Liquid (flare type)	in.	ø 1/4 x 2	ø 1/4 x 3	ø 1/4 x 4
Pipe Connections-Gas (flare type)	in.	ø 3/8 x 2	ø 3/8 x 1, ø 1/2 x 1, ø 5/8 x 1	ø 3/8 x 1, ø 1/2 x 1, ø 5/8 x 2
Refrigerant Charge	lbs.	5.73	6.61	6.83
Max. Piping Length	ft.	164	230	230
Piping Length (no add'l refrigerant)	ft.	98.4	131.6	131.6
Max. Height Difference	ft.	82	82	49
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	168	168
Gross Weight	lbs.	144	196	196



Controllers (Options)

Central Remote Controller	DCS302C71
Unified On/Off Controller	DCS301C71
Schedule Timer	DST301BA61
Interface Adaptor for DIII-NET use	KRP928B25
Wired Remote Controller	BRC944B2_A08

Certified Efficiency Performance Values

System	Combined With	Nominal cooling capacity	EER	SEER	Nominal heating capacity	Low heating capacity	HSPF
		Btu/h	95 °F		Btu/h	Btu/h	
2MXS18GVJU	Non Ducted Indoor Unit**	18,000	12.6	19.5	22,000	13,500	9.2
	Ducted Indoor Unit	16,000	9.0	13.0	22,000	13,100	7.7
	Mixed Ducted and Non Ducted Indoor Unit	17,000	10.8	16.3	22,000	13,300	8.5
3MXS24GVJU	Non Ducted Indoor Unit**	24,000	12.5	16.6	30,000	13,500	9.0
	Ducted Indoor Unit	23,400	9.7	16.6	29,000	13,100	7.7
	Mixed Ducted and Non Ducted Indoor Unit	23,600	11.1	14.8	29,400	13,300	8.4
4MXS32GVJU	Non Ducted Indoor Unit	30,600	10.3	17.2	32,000	22,200	9.3
	Ducted Indoor Unit	29,000	8.4	13.3	30,400	21,000	7.9
	Mixed Ducted and Non Ducted Indoor Unit	29,800	9.4	15.3	31,200	21,600	8.6

Notes:

- For Capacity (*) information refer to the Combinations in the Certified Efficiency Performance Values table to the right
- The data listed is based on the following conditions:

Condition	Cooling	Heating
Indoor	80°FDB/67°FWB	70°FDB/60°FWB
Outdoor	95°FDB/75°FWB	47°FDB/43°FWB

Daikin Altherma



System Attributes

Daikin Altherma is a powerful solution with key benefits for the ENVIRONMENT, enhanced EFFICIENCY and diverse APPLICATION.



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 etc).
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**.



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, excavation, etc...



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.

Split System



EKHB__BA



ERLQ018,
024,030BA

ERLQ036,
048,054BA

Indoor Unit			EKHB_030BA_VJU		EKHB_054BA_VJU	
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	Capacity	kW	3kW		3kW	
Back Up Heater (BA3VJU)	MCA	A	14.3 A		14.3 A	
	MOP	A	20 A		20 A	
Two Stage	Capacity	kW	6kW		6kW	
Back Up Heater (BA6VJU)	MCA	A	28.6 A		28.6 A	
	MOP	A	30 A		30 A	

Outdoor Unit			ERLQ018BAVJU	ERLQ024BAVJU	ERLQ030BAVJU	ERLQ036BAVJU	ERLQ048BAVJU	ERLQ054BAVJU
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 Length	Min ft.	10	10	10	16.4	16.4	16.4
		Max ft.	98	98	98	246	246	246
Piping	Height (Max)	ft.	66	66	66	98.4	98.4	98.4
Power supply			208-230V/1Ph/60Hz					
MCA		A	18			18		
MOP		A	20			30		

MonoBloc System



EDLQ036,048,054BA
EBLQ036,048,054BA

Outdoor Unit			HEATING ONLY			REVERSIBLE (HEAT PUMP)		
SINGLE PHASE	With bottom plate heater		EDLQ036BA	EDLQ048BA	EDLQ054BA	EBLQ036BA	EBLQ048BA	EBLQ054BA
	Heating	Btu/hr	38,200	47,700	54,600	38,200	47,700	54,600
Nominal capacity	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 (-15 - 35)			5 - 95 (-15 - 35)		
	Cooling	°F (°C)	-			50 - 114.8 (10 - 46)		
	Domestic water	°F (°C)	5 - 95 (-15 - 35)			5 - 95 (-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	Heating	°F (°C)	59 - 131 (15 - 55)			59 - 131 (15 - 55)			
	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 Nom.	Heat GPM		8.48	10.59	12.13	8.48	10.59	12.13
		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			

Features



Optional Domestic Hot Water Tank



EKHS__BA3

	EKHS050	EKHS080	
Water volume	gal.	52.8	79.2
Max. water temperature	°F (°C)	185	
Max. water pressure	PSI	145	
Insulation (Polyurethane foam) Min. thickness	in.	1-5/8	
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	

Fan Coil Unit



EFWT__A

		EFWT024	EFWT036	EFWT048	EFWT060	
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		ftHd	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

SkyAir Systems

Daikin Inverter Ducted Systems

A traditional central-air system made better with Daikin Constant Comfort inverter technology and a cost-effective alternative to traditional high efficiency gas furnace/AC systems.

FTQ_PAVJU Inverter Ducted Units

Model		FTQ18PAVJU	FTQ24PAVJU
Cooling Capacity (nom.)	Btu/h	18,000	24,000
Heating Capacity (nom.)	Btu/h	20,000	27,000
Airflow-Wet (H/L)	cfm	600/420	800/560
Airflow-Dry (H/L)	cfm	600/420	800/560
External Static Pressure	in. W.G.	Up to 0.5	Up to 0.5
Sound Pressure Level - Cooling (H/M/L)	dB(A)	n/a	n/a
Sound Pressure Level - Heating (H/M/L)	dB(A)	n/a	n/a
Piping connections	Liquid (O.D.)	in. \varnothing 3/8	\varnothing 3/8
	Gas (O.D.)	in. \varnothing 5/8	\varnothing 5/8
	Condensate (O.D.)	in. \varnothing 3/4	\varnothing 3/4
Dimensions (H x W x D)	in.	53-1/4 x 22 x 24	
Weight	lbs.	169	169



FTQ_PAVJU



- Up to SEER 18.15, EER 13.9 and HSPF 8.92
- Energy Star Tier II rated
- Up to 100% heating capacity at outdoor temperatures as low as 14°F
- More compact and quieter than traditional units

Outdoor Units - RZQ_PVJU9 Heat Pump

Model		RZQ18PVJU9	RZQ24PVJU9
Connects with		FTQ18PAVJU	FTQ24PAVJU
Compressor Type		Hermetically sealed swing compressor	
Energy Efficiency	SEER	18.15	18.00
Energy Efficiency	HSPF	8.92	8.89
Power Consumption - Cooling	W	1,301	1,912
Power Consumption - Heating	W	1,581	2,172
Sound Pressure Level - Cooling	dB(A)	N/A	N/A
Sound Pressure Level - Heating	dB(A)	N/A	N/A
Operating Range - Cooling (outdoor-db)	°F	23 - 115	23 - 115
Operating Range - Cooling (outdoor-db) (with optional wind baffle)	°F	0 - 115	0 - 115
Operating Range - Heating (outdoor-db)	°F	0 - 77	0 - 77
Operation Current	A	7.4	10.6
Max. Piping Length	ft.	98	98
Max. Height Difference	ft.	98	98
Dimensions (H x W x D)	in.	30-5/16 x 35-7/16 x 12-5/8	
Weight	lbs.	150	150



RZQ18PVJU9
RZQ24PVJU9



Energy Star rated and qualify for Tax Relief Act of 2010



Ranging from 18,000 Btu/h to 42,000 Btu/h, the innovative SkyAir system is designed to quietly blend into the ambience of shops, restaurants, small offices or home environments.

Equipped with built-in intelligence and comfort control features, SkyAir systems offer:


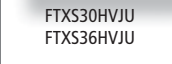





- Low ambient cooling operation down to 0°F with optional wind baffle
- Installation flexibility with up to 230 ft of allowable piping length
- Maximum height separation of up to 164 ft.
- Self-diagnostic capabilities provide added reliability



SkyAir Systems

The ultimate duct-free solution for restaurants, shops, small offices, data rooms and more light commercial projects. Also great for large residential bonus rooms.



Indoor Units - FAQ_PVJU and FTXS_HVJU Wall Mounted Units								
 FAQ18PVJU FAQ24PVJU  FTXS30HVJU FTXS36HVJU	Model		FAQ18PVJU	FAQ24PVJU	FTXS30HVJU	FTXS36HVJU		
	Cooling Capacity (min. - nom. - max.)	Btu/h	n/a - 18,000 - n/a	n/a - 24,000 - n/a	10,200 - 30,000 - 30,000	10,200 - 35,000 - 36,000**		
	Heating Capacity (min. - nom. - max.)*	Btu/h	n/a - 20,000 - 20,000	n/a - 26,000 - n/a	10,200 - 34,800 - 34,800	10,200 - 36,000 - 38,000**		
	Airflow-Wet (H/M/L)	cfm	500/-/400	635/**/470	706/611/519	770/635/519		
	Airflow-Dry (H/M/L)*	cfm	500/-/400	635/**/470	710/611/519	808/657/519		
	Sound Pressure Level - Cooling (H/M/L)	dB(A)	n/a	n/a	47/45/40	49/45/40		
	Sound Pressure Level - Heating (H/M/L)*	dB(A)	n/a	n/a	47/44/38	49/44/38		
	Piping connections	Liquid (O.D.)	in.	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	
		Condensate (O.D.)	in.	ø 11/16	ø 11/16	ø 11/16	ø 11/16	
Unit Dimensions (H x W x D)	in.	11-3/8 x 41-3/8 x 9		13-3/8 x 47-1/4 x 9-7/16				
Weight	lbs.	31	31	38	38			
Indoor Units - FCQ_PVJU and FCQ_MVJU Ceiling Mounted 4-Way Cassette Units								
 FCQ	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	
	Airflow-Wet (H/L)	cfm	790/670	790/670	900/790	950/790	1,030/970	
	Airflow-Dry (H/L)*	cfm	870/670	870/670	900/790	950/790	1,030/970	
	Sound Pressure Level - Cooling (H/L)	dB(A)	n/a	n/a	n/a	n/a	n/a	
	Sound Pressure Level - Heating (H/L)*	dB(A)	n/a	n/a	n/a	n/a	n/a	
	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 (O.D.)	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.	11-3/8 x 33-3/8 x 33-1/8						
Weight (including panel)	lbs.	73	73	73	74	74		
Indoor Units - FHQ_PVJU and FHQ_MVJU Ceiling Suspended Units								
 FHQ	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	
	Airflow-Wet (H/L)	cfm	790/670	790/670	790/670	830/670	850/700	
	Airflow-Dry (H/L)*	cfm	790/670	790/670	790/670	830/670	850/700	
	Sound Pressure Level - Cooling (H/L)	dB(A)	n/a	n/a	n/a	n/a	n/a	
	Sound Pressure Level - Heating (H/L)*	dB(A)	n/a	n/a	n/a	n/a	n/a	
	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 (O.D.)	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						
Weight	lbs.	90	90	90	90	90		
Outdoor Units - RZR / RZQ_PVJU(9) Heat Pump and Cooling Only (Refer to table below for connection models)								
 RZR18PVJU / RZQ18PVJU9 RZR24PVJU / RZQ24PVJU9 RZR30PVJU / RZQ30PVJU  RZR36PVJU / RZQ36PVJU9 RZR42PVJU / RZQ42PVJU9	Model	Cooling Only	RZR18PVJU	RZR24PVJU	RZR30PVJU	RZR36PVJU	RZR42PVJU	
		Heat Pump	RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU	RZQ36PVJU9	RZQ42PVJU9	
	Connects with		FAQ18PVJU FCQ18PVJU FHQ18PVJU	FAQ24PVJU FCQ24PVJU FHQ24PVJU	FHQ30PVJU	FHQ36MVJU	FHQ42MVJU	
	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 and Heating*	W	1,695	2,431	3,742	5,175	5,359	
	Sound Pressure Level - Cooling and Heating*	dB(A)	49/49	49/49	58/58	58/58	58/58	
	Operating Range - Cooling (outdoor-db)	°F	23-115	23 - 115	23 - 115	23 - 115	23 - 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.	150	150	150	283	283		
Outdoor Units - RKS / RXS_HVJU Heat Pump For use with FTXS_HVJU Models								
 RKS / RXS	Model	Cooling Only			RKS30HVJU	RKS36HVJU		
		Heat Pump			RXS30HVJU	RXS36HVJU		
	Connects with				FTXS30HVJU	FTXS36HVJU		
	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 baffle)	°F	0 - 115		0 - 115			
	Operating Range - Heating (outdoor-db)*	°F	5 - 75		5 - 75			
	Operation Current - Cooling	A	12.2**		18.8**			
	Operation Current - Heating*	A	17.1**		18.4**			
	Max. Piping Length	ft.	98		98			
Max. Height Difference	ft.	66		66				
Dimensions (H x W x D)	in.	38-5/16 x 37 x 12-5/8						
Weight	lbs.	178		178				

*Applicable to Heat Pump Models only
 ** These values are based on 230V





Key Features & Benefits


Split Systems, SkyAir, and Daikin Altherma

Please check individual product for availability


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 thermostat 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 draught released into the room.


Lifestyle Convenience

 **Econo Mode.** 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.


 **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.



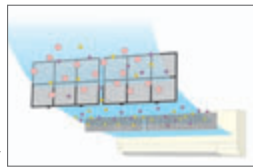
Anti-Corrosion. The special anti-corrosion coating on the outdoor unit heat exchanger ensures greater resistance to salt damage and atmospheric corrosion.

Healthy and Clean



Air-Purifying Filter with Photocatalytic Deodorizing Function.

This combination operates as a highly-effective unit. The filter traps microscopic particles, decomposes odors and neutralizes bacteria and viruses. The 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.

What is VRV?

VRV is an applied heating and cooling system that distributes refrigerant, rather than water, to multiple fan coil units serving the conditioned spaces.

Absolute Comfort – Technology that gives you complete control

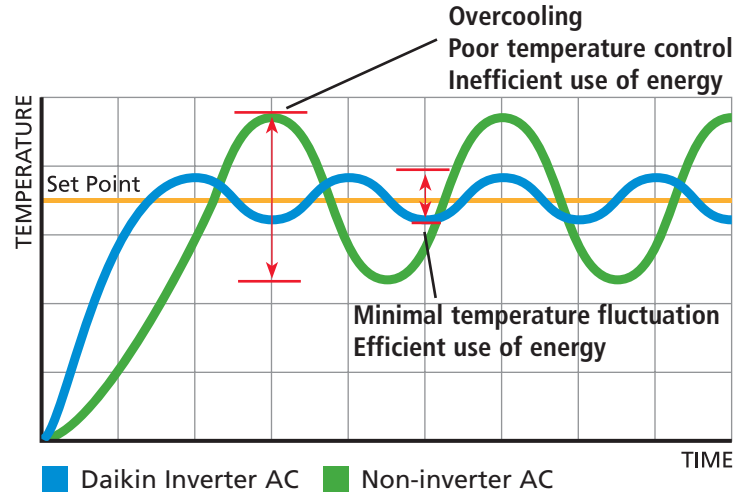
The VRV system integrates cutting-edge inverter technology to give you total control over your entire building.

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 temperature control (Proportional Integral Derivative)
- Large capacity (modular systems combination)
- Quiet operation
- High level control (BACnet®, LonWorks®, Intelligent Manager, Intelligent Touch Controller)
- Superior heating performance
- Absolute comfort



VRV III-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 III

- Air cooled condensing units
- Can operate up to 62 indoor fan coil units on a single system
- Excellent part load performance
- Auto charging 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-W III

- Water cooled condensing units (plate heat exchanger)
- Available up to 21 Ton in 6 combinations
- 208-230V three phase power supply
- Up to 32 indoor units can be connected with a choice of 11 different styles and 51 models ranging from 0.6 to 8 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


VRVIII-S Systems - Condensing Units

VRV III-S

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

The VRVIII-S system is a perfect fit for residential and light commercial applications, Available in 3 and 4-Ton air-cooled condensing units, the VRVIII-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 VRVIII-S.



Outdoor Units - RXYMQ_PVJU Heat Pump		3 Ton	4 Ton	
	Model	RXYMQ36PVJU	RXYMQ48PVJU	
	Cooling Capacity	Btu/h	36,000	48,000
	Cooling Input Power	kW	3.13	4.69
	Heating Capacity	Btu/h	40,000	54,000
	Heating Input Power	kW (Btu/h)	3.45 (11,771)	4.45 (15,183)
	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

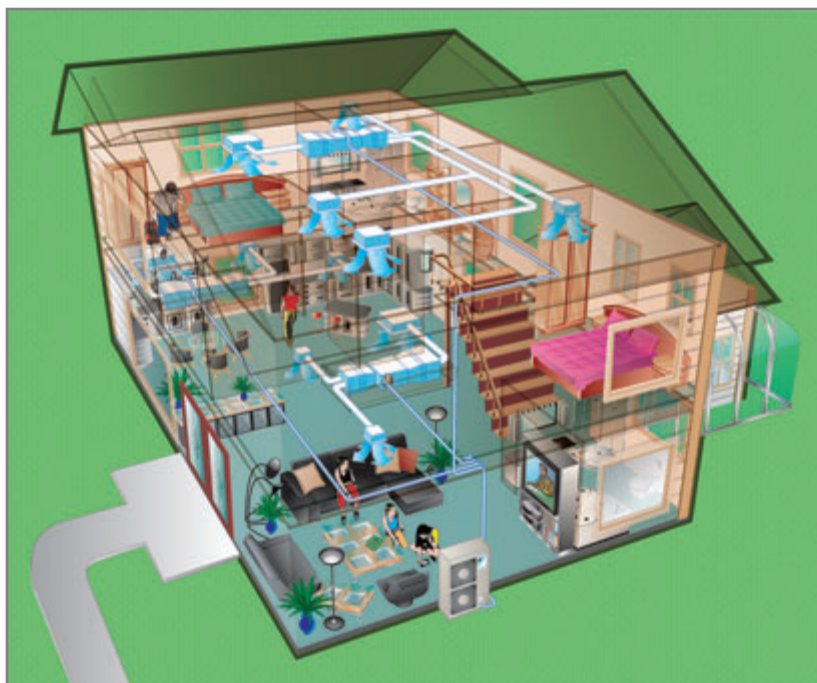
Following developments with the U.S. Department Of Energy (DOE), the VRVIII-S systems are performance certified to AHRI Standard 210/240 with the following performance values:

Outdoor Unit	Indoor Units Combination	AHRI 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
RXYMQ36PVJU	Non-Ducted Indoor Units	3696840	36,000	11.5	14.9	42,000	2.8	7.9	26,000	2.00	\$281	\$945
	Ducted Indoor Units	3696842	36,000	9.9	14.0	42,000	2.9	8.4	29,500	2.10	\$300	\$889
	Mixed Ducted and Non-Ducted Indoor Units	3759748	36,000	10.7	14.45	42,000	2.85	8.15	27,750	2.05	\$290	\$916
RXYMQ48PVJU	Non-Ducted Indoor Units	3696841	47,500	9.0	15.1	52,500	2.6	9.1	33,000	2.00	\$366	\$1025
	Ducted Indoor Units	3697142	47,500	9.0	13.2	52,500	2.7	8.8	36,500	2.00	\$419	\$1060
	Mixed Ducted and Non-Ducted Indoor Units	3759749	47,500	9.0	14.15	52,500	2.65	8.95	34,750	2.00	\$391	\$1042

VRVIII-S Features:

The 7S for Success Concept





- Single-phase technology is perfect for light commercial and residential applications in 36,000 and 48,000 Btu/h models.
- Smaller capacity allows precise temperature control over every square inch of space.
- Space-saving design and flexible indoor unit options offer quick and easy installation.
- Superior energy efficiency results in lower operating costs especially under partial load conditions.
- Soft sound level operation ensures a comfortable fit in any room.
- Single-supplier reliability. The system - factory engineered and 80% complete upon delivery - is fully optimized by Daikin, plus has self-Diagnostics and one of the best warranties in the industry.
- Straightforward maintenance and service with self diagnosis function.



VRV Systems - Indoor Units



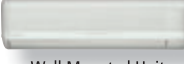

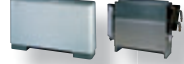


(208-230V/1ph/60Hz)

FXTQ Specifications		1-Ton	1.5-Ton	2-Ton	2.5-Ton	3-Ton	3.5-Ton	4-Ton	4.5-Ton		
	Model Name	FXTQ12PAVJU	FXTQ18PAVJU	FXTQ24PAVJU	FXTQ30PAVJU	FXTQ36PAVJU	FXTQ42PAVJU	FXTQ48PAVJU	FXTQ54PAVJU*		
	Cooling Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000	42,000	48,000		
	Heating Capacity	Btu/h	13,500	20,000	27,000	34,000	40,000	47,000	54,000		
	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 (Net)	lbs.	121	121	149	149	149	169	169	169	
	Unit Dimensions (H x W x D)	in.	46 3/4 x 19 1/2 x 22			53 1/4 x 22 x 24					
Vertical Air Handler Unit	Sound Pressure H/L	dB(A)			n/a	n/a	n/a	n/a	n/a		
FXMQ_P Specifications		0.6-Ton	0.75-Ton	1-Ton	1.5-Ton	2-Ton	2.5-Ton	3-Ton	4-Ton		
	Model Name	FXMQ07PVJU	FXMQ09PVJU	FXMQ12PVJU	FXMQ18PVJU	FXMQ24PVJU	FXMQ30PVJU	FXMQ36PVJU	FXMQ48PVJU		
	Cooling Capacity	Btu/h	7,500	9,500	12,000	18,000	24,000	30,000	36,000		
	Heating Capacity	Btu/h	8,500	10,500	13,500	20,000	27,000	34,000	40,000		
	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 (Net)	lbs.	55	55	55	80	80	80	102	102	
	Unit Dimensions (H x W x D)	in.	11 13/16 x 21 5/8 x 27 9/16			11 13/16 x 39 3/8 x 27 9/16				11 13/16 x 55 1/8 x 27 9/16	
DC Ducted Concealed Ceiling Unit (medium static)	Sound Pressure H/L	dB(A)			33/29 ¹	33/29 ¹	34/30 ¹	41/37 ¹	42/38 ¹	43/39 ¹	44/40 ¹
FXMQ_M Specifications		6-Ton	8-Ton								
	Model Name	FXMQ72MVJU	FXMQ96MVJU								
	Cooling Capacity	Btu/h	72,000	96,000							
	Heating Capacity	Btu/h	81,000	108,000							
	Airflow Rate H/L	cfm	2,047 / 1,764	2,541 / 2,188							
	Unit Weight (Net)	lbs.	302	302							
	Unit Dimensions (H x W x D)	in.	18 1/8 x 54 3/8 x 43 5/16								
Concealed Ceiling Unit (medium static)	Sound Pressure H/L	dB(A)		48/45 ¹	48/45 ¹						
FXDQ Specifications		0.6-Ton	0.75-Ton	1-Ton	1.5-Ton	2-Ton					
	Model Name	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				
	Airflow Rate H/L	cfm	280/226	280/226	280/226	440/350	580/460				
	Unit Weight (Net)	lbs.	51	51	51	63	71				
	Unit Dimensions (H x W x D)	in.	7 7/8 x 27 9/16 x 24 7/16			7 7/8 x 35 7/16 x 24 7/16		7 7/8 x 43 5/16 x 24 7/16			
Slim Duct Built-In Concealed Ceiling Unit	Sound Pressure H/L	dB(A)			33/29 ¹	33/29 ¹	33/29 ¹	35/31 ¹	36/32 ¹		


Duct-free Indoor Units

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

FXFQ Specifications		0.75-Ton	1-Ton	1.5-Ton	2-Ton	2.5-Ton	3-Ton	4-Ton		
	Model Name	FXFQ09PVJU	FXFQ12PVJU	FXFQ18PVJU	FXFQ24PVJU	FXFQ30PVJU	FXFQ36PVJU	FXFQ48PVJU		
	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	
	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 (Net)	lbs.	43	43	43	48.5	48.5	55	55	
	Unit 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	
Round Flow Ceiling Mounted Cassette	Sound Pressure HH/H/L	dB(A)		30/28/27 ¹	30/28/27 ¹	32/30/27 ¹	36/32/28 ¹	38/35/31 ¹	44/38/32 ¹	45/40/34 ¹
FXZQ Specifications		0.6-Ton	0.75-Ton	1-Ton	1.5-Ton					
	Model Name	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				
	Airflow Rate H/L	cfm	320/247	335/265	495/353	495/353				
	Unit Weight (Net)	lbs.	42	42	42	42				
	Unit Dimensions (H x W x D)	in.	11 1/4 x 22 5/8 x 22 5/8							
2' x 2' 4-Way Ceiling Mounted Cassette	Sound Pressure H/L	dB(A)		31/29 ¹	33/29 ¹	41/34 ¹	41/34 ¹			
FXAQ Specifications		0.6-Ton	0.75-Ton	1-Ton	1.5-Ton	2-Ton				
	Model Name	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			
	Airflow Rate H/L	cfm	260/160	280/175	300/180	500/400	635/470			
	Unit Weight	lbs.	25	25	25	31	31			
	Unit 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				
Wall Mounted Unit	Sound Pressure H/L	dB(A)		36/31 ²	37/31 ²	38/31 ²	43/37 ²	47/40 ²		
FXHQ Specifications		1-Ton	2-Ton	3-Ton						
	Model Name	FXHQ12MVJU	FXHQ24MVJU	FXHQ36MVJU						
	Cooling Capacity	Btu/h	12,000	24,000	36,000					
	Heating Capacity	Btu/h	13,500	27,000	40,000					
	Airflow Rate H/L	cfm	410/340	710/600	830/670					
	Unit Weight (Net)	lbs.	55	80	90					
	Unit 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					
Ceiling Suspended Unit	Sound Pressure H/L	dB(A)			42/33 ²	44/36 ²	46/41 ²			
FXLQ/FXNQ Specifications		Exposed			Concealed					
		1-Ton	1.5-Ton	2-Ton	1-Ton	1.5-Ton	2-Ton			
	Model Name	FXLQ12MVJU	FXLQ18MVJU	FXLQ24MVJU	FXNQ12MVJU	FXNQ18MVJU	FXNQ24MVJU			
	Cooling Capacity	Btu/h	12,000	18,000	24,000	12,000	18,000	24,000		
	Heating Capacity	Btu/h	13,500	20,000	27,000	13,500	20,000	27,000		
	Airflow Rate H/L	cfm	280/210	490/380	560/420	280/210	490/380	560/420		
	Unit Weight	lbs.	66	80	80	51	60	60		
Floor Standing Units	Unit 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		24 x 42 1/8 x 8 5/8		24 x 53 1/8 x 8 5/8	
	Sound Pressure H/L	dB(A)			36/33 ²	40/35 ²	41/36 ²	36/33 ²	40/35 ²	41/36 ²

Outside Air Processing Unit

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

FXMQ_MFVJU Specifications		4-Ton	6-Ton	8-Ton			
	Model Name	FXMQ48MFVJU	FXMQ72MFVJU*	FXMQ96MFVJU*			
	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 Dimensions (H x W x D)	in.	18 1/2 x 29 1/4 x 43 5/16				
100% Outside Air Processing Unit	Sound Pressure	dB(A)			43 ¹	48 ¹	48 ¹

* Not available with VRVIII-S

Notes:

¹ at 5 ft. below the unit

² at 3.3 ft. below and from the unit

³ measured at 5 ft. away, 5 ft. high

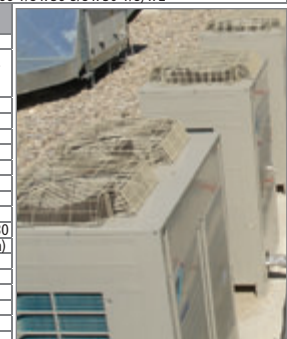
VRV Systems - Condensing Units

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

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						1x RXYQ96PBTJ + 1x RXYQ72PBTJ	1x RXYQ120PBTJ + 1x RXYQ96PBTJ	1x RXYQ120PBTJ + 1x RXYQ96PBTJ
Performance	Rated Cooling Capacity	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000	206,000
	Rated Cooling Input Power	kW	5.39	7.36	9.58	12.21	13.22	15.59	17.61
	Rated Heating Capacity	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000	231,000
	Rated Heating Input Power	kW (Btu/h)	6.08 (20,472)	8.27 (28,237)	10.42 (35,578)	13.27 (45,309)	14.26 (48,689)	17.01 (58,079)	18.81 (64,225)
	Operating Range - Cooling (DB)	°F	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122
	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
	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
Fan	Sound Pressure Level @3ft	dB(A)	57	60	60	62	62	62	63
	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 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 x 2	66-1/8 x 48-7/8 x 30-1/8 x 2

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 Cooling Input Power	kW	5.00	7.60	10.09	11.90	13.91	16.73	19.07
	Rated Heating Capacity	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000	231,000
	Rated Heating Input Power	kW (Btu/h)	5.94 (20,281)	8.39 (28,647)	11.12 (37,968)	13.27 (45,309)	15.07 (51,455)	17.76 (60,640)	20.52 (70,064)
	Operating Range - Cooling (DB)	°F	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122
	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
	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
Fan	Sound Pressure Level @3ft	dB(A)	58	58	60	62	61	62	62
	Airflow	cfm	6,700	6,700	7,410	8,300	6,530 + 6,350	6,530 + 6,350	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 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 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 x 2	66-1/8 x 48-7/8 x 30-1/8 x 2

Outdoor Units - REYQ_PBTJ Heat Recovery			20 Ton	22 Ton	24 Ton	26 Ton	28 Ton
Model	Name		REYQ240PBTJ	REYQ264PBTJ	REYQ288PBTJ	REYQ312PBTJ	REYQ336PBTJ
	Combination		2x REMQ120PBTJ	2x REMQ96PBTJ + 1x REMQ72PBTJ	1x REMQ120PBTJ + 1x REMQ96PBTJ + 1x REMQ72PBTJ	2x REMQ120PBTJ + 1x REMQ120PBTJ	2x REMQ120PBTJ + 1x REMQ96PBTJ
Performance	Rated Cooling Capacity	Btu/h	228,000	251,000	274,000	297,000	320,000
	Rated Cooling Input Power	kW	19.66	21.45	26.10	25.83	29.91
	Rated Heating Capacity	Btu/h	257,000	283,000	308,000	334,000	360,000
	Rated Heating Input Power	kW (Btu/h)	21.52 (73,478)	23.7 (80,921)	26.17 (89,355)	29.66 (101,271)	30.58 (104,413)
	Operating Range - Cooling (DB)	°F	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122
	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
	Power	V/Ph/Hz	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60
Fan	Sound Pressure Level @3ft	dB(A)	63	64	64	64	65
	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
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.	620 + 620	620 + 620 + 420	620 + 620 + 420	620 + 620 + 420	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 2 + (66-1/8 x 36-5/8 x 30-1/8)	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.



VRV Systems - Condensing Units

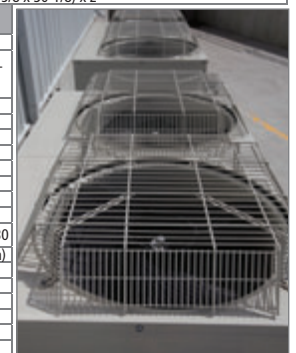
(460V / 3Ph / 60Hz)

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					2x RXYQ72PBYD	1x RXYQ96PBYD + 1x RXYQ72PBYD	1x RXYQ120PBYD + 1x RXYQ72PBYD	1x RXYQ120PBYD + 1x RXYQ96PBYD
Performance	Rated Cooling Capacity	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000	206,000
	Rated Cooling Input Power	kW	5.39	7.36	9.58	10.87	13.22	15.59	17.61
	Rated Heating Capacity	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000	231,000
	Rated Heating Input Power	kW (Btu/h)	6.08 (20,472)	8.27 (28,237)	10.42 (35,578)	12.20 (41,655)	14.26 (48,689)	17.01 (58,079)	18.81 (64,225)
	Operating Range - Cooling (DB)	°F	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122
	Operating Range - Heating (DBWB)	°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
	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
Fan	Sound Pressure Level @3ft	dB(A)	57	60	60	60	62	62	63
	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 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	66-1/8 x 48-7/8 x 30-1/8 x 3

Outdoor Units - RXYQ240PBYD			20 Ton	22 Ton	24 Ton	26 Ton	28 Ton	30 Ton
Model	Name		RXYQ240PBYD	RXYQ264PBYD	RXYQ288PBYD	RXYQ312PBYD	RXYQ336PBYD	RXYQ360PBYD
	Combination		2x RXYQ120PBYD	2x RXYQ96PBYD + 1x RXYQ72PBYD	1x RXYQ120PBYD + 1x RXYQ96PBYD + 1x RXYQ72PBYD	2x RXYQ120PBYD + 1x RXYQ72PBYD	2x RXYQ120PBYD + 1x RXYQ96PBYD	3x RXYQ120PBYD
Performance	Rated Cooling Capacity	Btu/h	228,000	251,000	274,000	297,000	320,000	342,000
	Rated Cooling Input Power	kW	19.66	21.45	26.10	25.83	29.91	31.67
	Rated Heating Capacity	Btu/h	257,000	283,000	308,000	334,000	360,000	385,000
	Rated Heating Input Power	kW (Btu/h)	21.52 (73,478)	23.70 (80,921)	26.17 (89,355)	29.66 (101,271)	30.58 (104,413)	35.26 (120,392)
	Operating Range - Cooling (DB)	°F	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122
	Operating Range - Heating (DBWB)	°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
	Power	V/Ph/Hz	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
Fan	Sound Pressure Level @3ft	dB(A)	63	64	64	64	65	65
	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 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		

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					2x REMQ72PBYD	1x REMQ96PBYD + 1x REMQ72PBYD	2x REMQ96PBYD	1x REMQ120PBYD + 1x REMQ96PBYD
Performance	Rated Cooling Capacity	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000	206,000
	Rated Cooling Input Power	kW	5.00	7.60	10.09	10.07	13.91	16.73	19.07
	Rated Heating Capacity	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000	231,000
	Rated Heating Input Power	kW (Btu/h)	5.94 (20,281)	8.39 (28,647)	11.12 (37,968)	12.54 (42,816)	15.07 (51,455)	17.76 (60,640)	20.52 (70,064)
	Operating Range - Cooling (DB)	°F	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122
	Operating Range - Heating (DBWB)	°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
	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
Fan	Sound Pressure Level @3ft	dB(A)	58	58	60	60	61	62	62
	Airflow	cfm	6,700	6,700	7,410	6,350 + 6,350	6,350 + 6,530	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 (H x W x D)	in.	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 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 x 2		



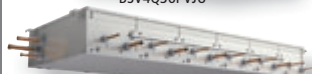
Outdoor Units - REYQ240PBYD			20 Ton	22 Ton	24 Ton	26 Ton	28 Ton
Model	Name		REYQ240PBYD	REYQ264PBYD	REYQ288PBYD	REYQ312PBYD	REYQ336PBYD
	Combination		2x REMQ120PBYD	2x REMQ96PBYD + 1x REMQ72PBYD	1x REMQ120PBYD + 1x REMQ96PBYD + 1x REMQ72PBYD	2x REMQ96PBYD + 1x REMQ120PBYD	2x REMQ120PBYD + 1x REMQ96PBYD
Performance	Rated Cooling Capacity	Btu/h	240,000	251,000	274,000	297,000	320,000
	Rated Cooling Input Power	kW	23.76	22.21	25.61	28.83	31.37
	Rated Heating Capacity	Btu/h	257,000	283,000	308,000	334,000	360,000
	Rated Heating Input Power	kW (Btu/h)	23.54 (80,375)	25.13 (85,804)	26.55 (90,653)	29.40 (100,384)	32.97 (112,573)
	Operating Range - Cooling (DB)	°F	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122	(-4) 23 - 122
	Operating Range - Heating (DBWB)	°F	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
Fan	Sound Pressure Level @3ft	dB(A)	63	62	63	64	64
	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 + 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 (H x W x D)	in.	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 48-7/8 x 30-1/8 x 3		



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



VRV Systems - Branch Selector Units

Branch Selector Units - BSV(4/6)Q_PVJU (for use with REYQ_PBYD / REYQ_PBTJ)		Single-Port Traditional			Multi-Port		
 BSVQ_PVJU  BSV4Q36PVJU  BSV6Q36PVJU	Model	BSVQ36PVJU	BSVQ60PVJU	BSVQ96PVJU	BSV4Q36PVJU	BSV6Q36PVJU	
	Power	V/Ph/Hz	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60
	Number of branches	1	1	1	4	6	
	Number of connectable units per branch	Max. 5	Max. 8	Max. 8	Max. 4	Max. 4	
	Weight	lbs.	26	26	33	132	
	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.	ø 3/8 (Brazed)	ø 3/8 (Brazed)	ø 3/8 (Brazed)	ø 3/8 (Brazed)	ø 3/8 (Brazed)
		Gas in.	ø 5/8 (Brazed)	ø 5/8 (Brazed)	ø 7/8 (Brazed)	ø 5/8 (Brazed)	ø 5/8 (Brazed)
	Outdoor Unit	Liquid in.	ø 3/8 (Brazed)	ø 3/8 (Brazed)	ø 3/8 (Brazed)	ø 1/2 (Brazed)	ø 5/8 (Brazed)
		Suction Gas in.	ø 5/8 (Brazed)	ø 5/8 (Brazed)	ø 7/8 (Brazed)	ø 1-1/8 (Brazed)	ø 1-1/8 (Brazed)
	HP/LP Gas in.	ø 1/2 (Brazed)	ø 1/2 (Brazed)	ø 3/4 (Brazed)	ø 3/4 (Brazed)	ø 1-1/8 (Brazed)	

Ultimate Flexibility - Choose which product is best for your design

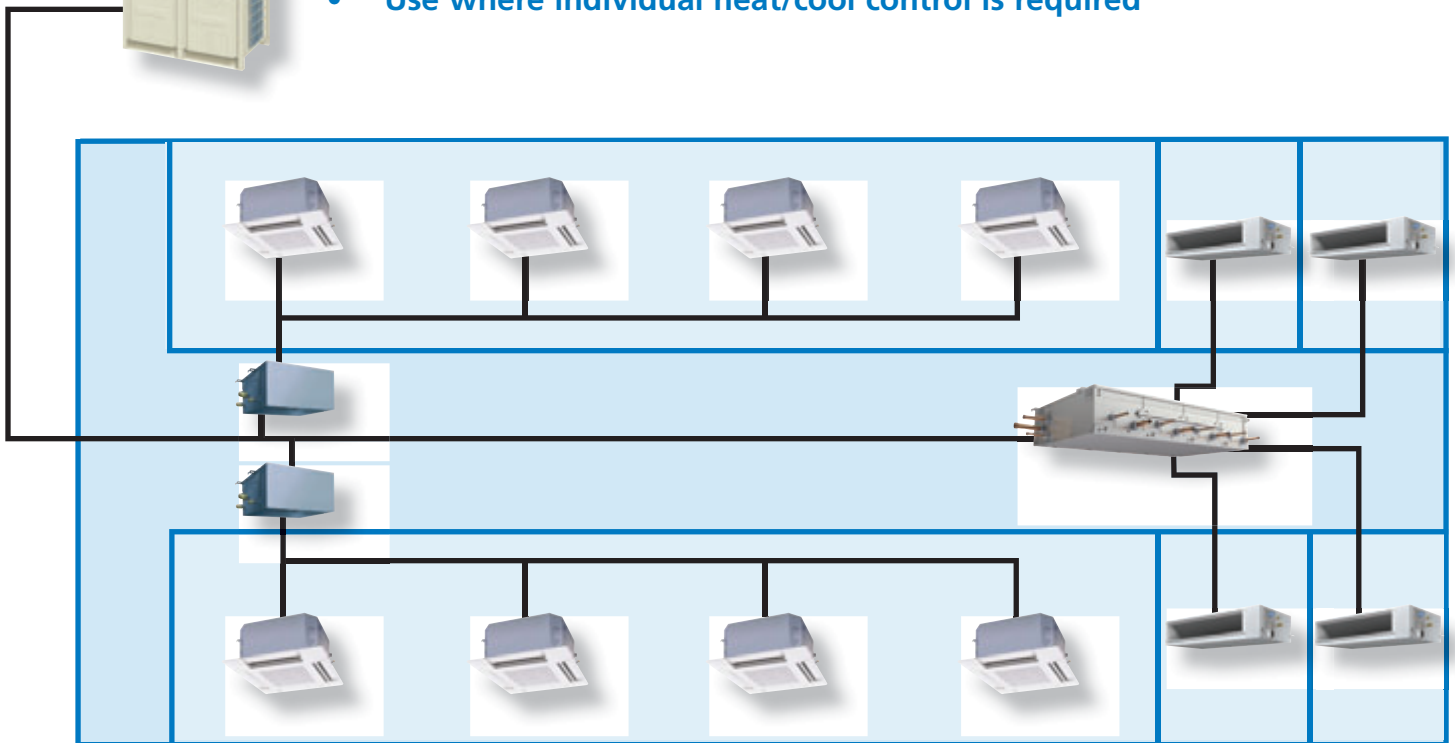
Traditional Branch Selector - BSVQ_PVJU

- Better for open plan design
- Use in spaces where individual heat/cool zones are not required



Multi-Port Branch Selector - BSV4Q36PVJU / BSV6Q36PVJU

- Better for smaller tightly grouped rooms
- Use where individual heat/cool control is required



large common area

small offices

VRV III PB Series Certified Efficiency Data

With this new efficiency 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, as well as the overall efficiency leader in the VRF category.



System Type	Function	System Name	Nominal Capacity	Individual Condensing Unit Model			Part Load							Full Load								
				Unit 1	Unit 2	Unit 3	IEER Ducted	IEER Ductless	IEER Mixed	SCHE Ducted	SCHE Ductless	SCHE Mixed	EER Ducted	EER Ductless	EER Mixed	COP@47F Ducted	COP@47F Ductless	COP@47F Mixed	COP@17F Ducted	COP@17F Ductless	COP@17F Mixed	
VRV III 460V	Heat Pump	RXYQ72PBYD	6-Ton	RXYQ72PBYD			19.0	21.0	20.00				12.8	14.1	13.45	3.71	4.00	3.86	2.40	2.65	2.53	
		RXYQ96PBYD	8-Ton	RXYQ96PBYD			17.0	19.5	18.25				12.5	13.5	13.00	3.65	4.20	3.93	2.50	2.85	2.68	
		RXYQ120PBYD	10-Ton	RXYQ120PBYD			17.0	18.0	17.50				11.9	12.5	12.20	3.63	3.80	3.72	2.50	2.65	2.58	
		RXYQ144PBYD	12-Ton	RXYQ72PBYD	RXYQ72PBYD			19.0	20.0	19.50				12.7	14.0	13.35	3.70	3.90	3.80	2.45	2.55	2.50
		RXYQ168PBYD	14-Ton	RXYQ96PBYD	RXYQ72PBYD			18.5	19.0	18.75				12.1	12.4	12.25	3.70	3.95	3.83	2.45	2.65	2.55
		RXYQ192PBYD	16-Ton	RXYQ120PBYD	RXYQ72PBYD			17.5	18.0	17.75				11.8	11.7	11.75	3.55	3.70	3.63	2.45	2.55	2.50
		RXYQ216PBYD	18-Ton	RXYQ120PBYD	RXYQ96PBYD			16.5	17.5	17.00				11.7	11.6	11.65	3.60	3.80	3.70	2.45	2.60	2.53
		RXYQ240PBYD	20-Ton	RXYQ120PBYD	RXYQ120PBYD			16.0	16.0	16.00				11.6	11.5	11.55	3.50	3.60	3.55	2.35	2.55	2.45
		RXYQ264PBYD	22-Ton	RXYQ96PBYD	RXYQ96PBYD	RXYQ72PBYD			17.5	19.0	18.25				11.7	11.3	11.50	3.50	3.50	3.50	2.30	2.45
	RXYQ288PBYD	24-Ton	RXYQ120PBYD	RXYQ96PBYD	RXYQ72PBYD			17.0	18.5	17.75				10.5	11.5	11.00	3.45	3.50	3.48	2.45	2.45	2.45
	RXYQ312PBYD	26-Ton	RXYQ120PBYD	RXYQ120PBYD	RXYQ72PBYD			16.5	16.5	16.50				11.5	10.7	11.12	3.30	3.30	3.30	2.35	2.35	2.35
	RXYQ336PBYD	28-Ton	RXYQ120PBYD	RXYQ120PBYD	RXYQ96PBYD			16.0	15.0	15.50				10.7	10.8	10.75	3.45	3.45	3.45	2.35	2.35	2.35
	RXYQ360PBYD	30-Ton	RXYQ120PBYD	RXYQ120PBYD	RXYQ120PBYD			15.0	15.0	15.00				10.8	9.8	10.30	3.20	3.45	3.33	2.30	2.40	2.35
	Heat Recovery	REYQ72PYDN	6-Ton	REYQ72PYDN			20.0	22.0	21.00	18.0	21.1	19.55	13.8	15.4	14.60	3.80	4.20	4.00	2.60	2.95	2.78	
		REYQ96PYDN	8-Ton	REYQ96PYDN			17.5	20.5	19.00	15.4	20.0	17.70	12.1	13.2	12.65	3.60	3.70	3.65	2.65	2.70	2.68	
		REYQ120PYDN	10-Ton	REYQ120PYDN			16.0	19.0	17.50	15.3	19.6	17.45	11.3	12.1	11.70	3.40	3.60	3.50	2.35	2.60	2.48	
		REYQ144PBYD	12-Ton	REM72PBYD	REM72PBYD			18.0	20.0	19.00	16.0	19.8	17.90	13.7	13.8	13.75	3.60	3.80	3.70	2.40	2.55	2.48
		REYQ168PBYD	14-Ton	REM96PBYD	REM72PBYD			17.5	18.5	18.00	16.2	19.0	17.60	11.5	12.0	11.75	3.50	3.70	3.60	2.35	2.50	2.43
REYQ192PBYD		16-Ton	REM96PBYD	REM96PBYD			16.0	17.5	16.75	15.5	18.8	17.15	11.0	11.2	11.10	3.40	3.40	3.40	2.30	2.50	2.40	
REYQ216PBYD		18-Ton	REM120PBYD	REM96PBYD			15.5	16.5	16.00	15.0	17.9	16.45	10.8	10.7	10.75	3.30	3.50	3.40	2.30	2.40	2.35	
REYQ240PBYD		20-Ton	REM120PBYD	REM120PBYD			15.0	16.0	15.50	14.8	17.5	16.15	10.1	10.1	10.10	3.20	3.33	3.27	2.35	2.40	2.38	
REYQ264PBYD		22-Ton	REM96PBYD	REM96PBYD	REM72PBYD			16.5	17.5	17.00	15.9	19.8	17.85	11.3	10.8	11.05	3.30	3.40	3.35	2.30	2.40	2.35
VRV III 208/230V	Heat Pump	RXYQ72PBTJ	6-Ton	RXYQ72PBTJ			19.0	21.0	20.00				12.8	14.1	13.45	3.71	4.00	3.86	2.40	2.65	2.53	
		RXYQ96PBTJ	8-Ton	RXYQ96PBTJ			17.0	19.5	18.25				12.5	13.5	13.00	3.65	4.20	3.93	2.50	2.85	2.68	
		RXYQ120PBTJ	10-Ton	RXYQ120PBTJ			17.0	18.0	17.50				11.9	12.5	12.20	3.63	3.80	3.72	2.50	2.65	2.58	
		RXYQ144PBTJ	12-Ton	RXYQ144PBTJ			16.0	17.0	16.50				11.3	11.3	11.30	3.40	3.60	3.50	2.45	2.55	2.50	
		RXYQ168PBTJ	14-Ton	RXYQ96PBTJ	RXYQ72PBTJ			18.5	19.0	18.75				12.1	12.4	12.25	3.70	3.95	3.83	2.45	2.65	2.55
		RXYQ192PBTJ	16-Ton	RXYQ120PBTJ	RXYQ72PBTJ			17.5	18.0	17.75				11.8	11.7	11.75	3.55	3.70	3.63	2.45	2.55	2.50
		RXYQ216PBTJ	18-Ton	RXYQ120PBTJ	RXYQ96PBTJ			16.5	17.5	17.00				11.7	11.6	11.65	3.60	3.80	3.70	2.45	2.60	2.53
		RXYQ240PBTJ	20-Ton	RXYQ120PBTJ	RXYQ120PBTJ			16.0	16.0	16.00				11.6	11.5	11.55	3.50	3.60	3.55	2.35	2.55	2.45
		RXYQ264PBTJ	22-Ton	RXYQ96PBTJ	RXYQ96PBTJ	RXYQ72PBTJ			17.5	19.0	18.25				11.7	11.3	11.50	3.50	3.50	3.50	2.30	2.45
	RXYQ288PBTJ	24-Ton	RXYQ120PBTJ	RXYQ96PBTJ	RXYQ72PBTJ			17.0	18.5	17.75				10.5	11.5	11.00	3.45	3.50	3.48	2.45	2.45	2.45
	RXYQ312PBTJ	26-Ton	RXYQ120PBTJ	RXYQ120PBTJ	RXYQ72PBTJ			16.5	16.5	16.50				11.5	10.7	11.10	3.30	3.30	3.30	2.35	2.35	2.35
	RXYQ336PBTJ	28-Ton	RXYQ120PBTJ	RXYQ120PBTJ	RXYQ96PBTJ			16.0	15.0	15.50				10.7	10.8	10.75	3.45	3.45	3.45	2.35	2.35	2.35
	RXYQ360PBTJ	30-Ton	RXYQ120PBTJ	RXYQ120PBTJ	RXYQ120PBTJ			15.0	15.0	15.00				10.8	9.8	10.30	3.20	3.45	3.33	2.30	2.40	2.35
	Heat Recovery	REYQ72PTJU	6-Ton	REYQ72PTJU			20.0	22.0	21.00	18.0	21.1	19.55	13.8	15.4	14.60	3.80	4.20	4.00	2.60	2.95	2.78	
		REYQ96PTJU	8-Ton	REYQ96PTJU			17.5	20.5	19.00	15.4	20.0	17.70	12.1	13.2	12.65	3.60	3.70	3.65	2.65	2.70	2.68	
		REYQ120PTJU	10-Ton	REYQ120PTJU			16.0	19.0	17.50	15.3	19.6	17.45	11.3	12.1	11.70	3.40	3.60	3.50	2.35	2.60	2.48	
		REYQ144PBTJ	12-Ton	REYQ144PBTJ			16.0	17.0	16.50	16.0	19.8	17.90	11.6	12.2	11.90	3.40	3.60	3.50	2.40	2.55	2.48	
		REYQ168PBTJ	14-Ton	REM96PBTJ	REM72PBTJ			17.5	18.5	18.00	16.2	19.0	17.60	11.5	12.0	11.75	3.50	3.70	3.60	2.35	2.50	2.43
REYQ192PBTJ		16-Ton	REM96PBTJ	REM96PBTJ			16.0	17.5	16.75	15.5	18.8	17.15	11.0	11.2	11.10	3.40	3.40	3.40	2.30	2.50	2.40	
REYQ216PBTJ		18-Ton	REM120PBTJ	REM96PBTJ			15.5	16.5	16.00	15.0	17.9	16.45	10.8	10.7	10.75	3.30	3.50	3.40	2.30	2.40	2.35	
REYQ240PBTJ		20-Ton	REM120PBTJ	REM120PBTJ			15.0	16.0	15.50	14.8	17.5	16.15	10.1	10.1	10.10	3.20	3.33	3.27	2.35	2.40	2.38	
REYQ264PBTJ		22-Ton	REM96PBTJ	REM96PBTJ	REM72PBTJ			16.5	17.5	17.00	15.9	19.8	17.85	11.3	10.8	11.05	3.30	3.40	3.35	2.30	2.40	2.35

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 III PB Series. The VRV III PB Series has been designed and optimized to meet/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 III 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.




VRV-WIII Systems - Condensing Units

VRV-WIII

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

Condensing Unit - Unified Heat Pump and Heat Recovery			6 Ton		7 Ton		12 Ton		14 Ton		18 Ton		21 Ton		
 VRV Water Cooled Systems	Model	Name	RWEYQ72PTJU		RWEYQ84PTJU		RWEYQ144PTJU		RWEYQ168PTJU		RWEYQ216PTJU		RWEYQ252PTJU		
	Performance	Combination						2x RWEYQ72PTJU		2x RWEYQ84PTJU		3x RWEYQ72PTJU		3x RWEYQ84PTJU	
		Cooling Capacity	Btu/h	72,000		84,000		144,000		168,000		216,000		252,000	
		Cooling Input Power	kW	4.2		5.6		8.4		11.2		12.6		16.8	
		Heating Capacity	Btu/h	81,000		94,000		162,000		189,000		243,000		283,500	
		Heating Input Power	kW (Btu/h)	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	
	Refrigerant Side	Sound Pressure Level @3ft	dB(A)	50		51		53		54		56		57	
		System Configuration		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.	ø 3/8	ø 3/8	ø 3/8	ø 3/8	ø 1/2	ø 1/2	ø 5/8	ø 5/8	ø 5/8	ø 5/8	ø 3/4	ø 3/4
		Suction Gas Pipe (Main Line)	in.	n/a	ø 3/4	n/a	ø 7/8	n/a	ø 1-1/8	n/a	ø 1-1/8	n/a	ø 1-3/8	n/a	ø 1-3/8
		Discharge Gas Pipe (Main Line)	in.	ø 3/4	ø 5/8	ø 7/8	ø 3/4	ø 1-1/8	ø 7/8	ø 1-1/8	ø 7/8	ø 1-3/8	ø 1-1/8	ø 1-3/8	ø 1-1/8
		Vertical Pipe Length (If unit below FCU)	ft.	164 (130)		164 (130)		164 (130)		164 (130)		164 (130)		164 (130)	
	Water Side	Actual Pipe Length (Equivalent Length)	ft.	390 (459)		390 (459)		390 (459)		390 (459)		390 (459)		390 (459)	
		Total Pipe Length	ft.	980		980		980		980		980		980	
BPHE Inlet Pipe (Female Thread)		in.	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)x2		(1-1/4FPT)x2		(1-1/4FPT)x3		(1-1/4FPT)x3		
Drain Pipe (Female Thread)		in.	1/2FPS		1/2FPS		(1/2FPS)x2		(1/2FPS)x2		(1/2FPS)x3		(1/2FPS)x3		
Max. System Water Pressure (BPHE)		psi	285		285		285		285		285		285		
Unit	Inlet Water Temperature Range	°F	(50) 59 - 113		(50) 59 - 113		(50) 59 - 113		(50) 59 - 113		(50) 59 - 113		(50) 59 - 113		
	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		
	Weight	lbs.	330		330		330x2		330x2		330x3		330x3		
Dimensions (H x W x D)		in.	39-3/8 x 30-3/4 x 21-11/16				39-3/8 x (30-3/4 x 2) x 21-11/16				39-3/8 x (30-3/4 x 3) x 21-11/16				

Branch Selector Units - BSVQ(4/6)Q_PVJU (for use with RWEYQ_PTJU)

 BSVQ_PVJU	Model		BSVQ36PVJU	BSVQ60PVJU	BSVQ96PVJU	BSV4Q36PVJU	BSV6Q36PVJU	
	Power	V/Ph/Hz	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	
	Number of branches		1	1	1	4	6	
	Number of connectable units per branch		Max. 5	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.	ø 3/8 (Brazed)	ø 3/8 (Brazed)	ø 3/8 (Brazed)	ø 3/8 (Brazed)	ø 3/8 (Brazed)
			Gas in.	ø 5/8 (Brazed)	ø 5/8 (Brazed)	ø 7/8 (Brazed)	ø 5/8 (Brazed)	ø 5/8 (Brazed)
			Liquid in.	ø 3/8 (Brazed)	ø 3/8 (Brazed)	ø 3/8 (Brazed)	ø 1/2 (Brazed)	ø 5/8 (Brazed)
		Outdoor Unit	Suction Gas in.	ø 5/8 (Brazed)	ø 5/8 (Brazed)	ø 7/8 (Brazed)	ø 1-1/8 (Brazed)	ø 1-1/8 (Brazed)
HP/LP Gas in.			ø 1/2 (Brazed)	ø 1/2 (Brazed)	ø 3/4 (Brazed)	ø 3/4 (Brazed)	ø 1-1/8 (Brazed)	

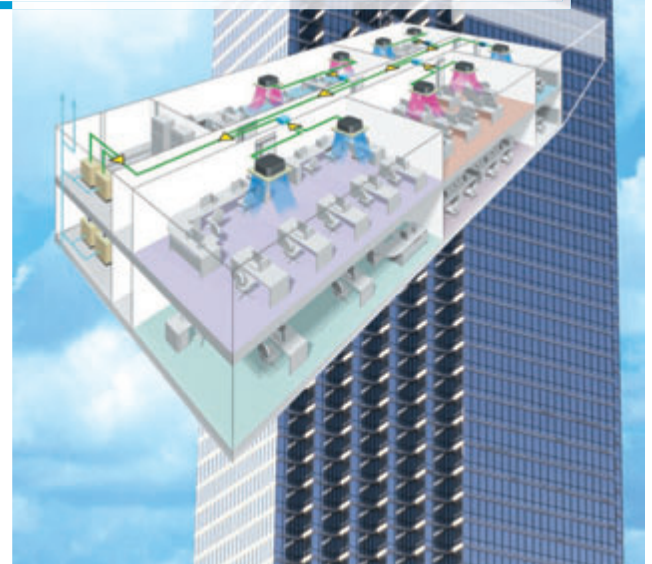
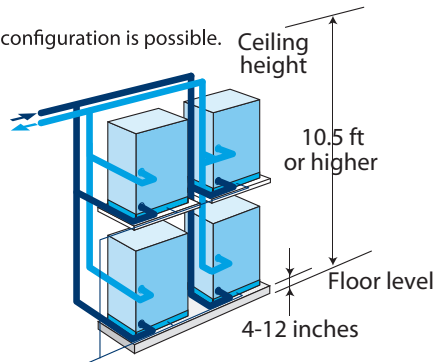
Water Cooled VRV

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-WIII 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.

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

With the addition of the newly developed VRV-WIII geothermal control logic, the operation range can now be extended to as low as 14 °F (-10 °C) entering water temperature (EWT) in heating. This is achieved with simple on site field settings.

Stacked configuration is possible.











Control Solutions for VRV

Choosing the right controls

Unless it is controlled, managed and operated in an appropriate manner, a high-performing system will not be able to provide the energy-efficiency or comfort it claims. Promoting the systemization of control management not only improves efficiency, but also represents a number of possibilities in terms of convenience. Daikin's line up of intelligent controls gives the user the ability to address all needs in one package and one supplier: Daikin.

Daikin controls are optimized for VRV technology and offers highly scalable solutions for all applications and budgets. It also allows for lower cost alternatives to traditional energy management systems when centralized control is required.

Project Requirements	Daikin VRV Controls								
									
	BRC1E71 Navigation	BRC2A71 Simplified	DCS302C71 Centralized	DCS301C71 Unified	DCS601C71 Intelligent Touch	Intelligent Manager	BACnet Interface	LowWorks Interface	
Simple individual zone control	■	■							
Individual zone control with 7-day 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 based upon a PC platform						■			
Start/stop control of ancillary building systems ¹					■	■	■	■	
Daikin VRV integration with BACnet based automation systems							■		
Daikin VRV integration with LowWorks based automation systems								■	

¹ 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.

Controls that offer freedom to administrators

Freedom to control the air-conditioning system, via the Internet, from home or any other location with a PC. Should a malfunction occur, a notification is sent by e-mail to a cell phone or PC (any e-mail address specified by the user). This gives administrators the freedom to leave the room/building where the controller is located.

Intelligent Touch Controller



DCS601C71

- 64 groups (128 indoor units) connectable (128 groups with DCS601A72)
- Management of Daikin units and ancillary equipment
- Touch screen display
- Built-in Ethernet port, Web enabled (optional)
- Alarm e-mail function

Intelligent Manager III



IMP-128/256/512/768/1,024

- 1,024 indoor units (organized in up to 200 control groups)
- Management of Daikin units and ancillary equipment
- Operation on one master PC and one sub PC (sub PC option)
- Remote monitoring via the Web
- Alarm e-mail function

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.

LONWORKS®

LONWORKS Network Compatible Interface

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



BACnet®

BACnet Network Compatible Interface

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





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.



Use of the AHRI Certified™ mark indicates a manufacturer's participation in the certification program. For verification of certification for individual products, go to www.ahridirectory.org



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.



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Daikin AC (Americas), Inc.
 1645 Wallace Drive, Suite 110
 Carrollton, TX 75006 USA
www.daikinac.com
info@daikinac.com
 866-4DAIKIN
 972-245-1510

Dealer Information

GPUSE11-10B

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.