

VRV Products



What is Daikin VRV?

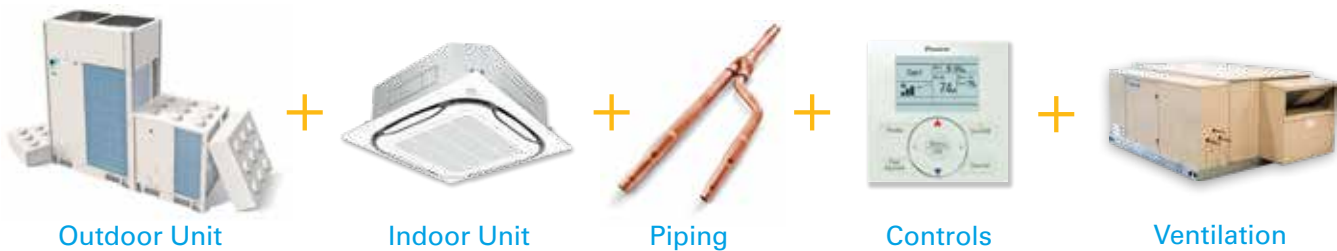
One Flexible Package

Daikin VRV is a modular, commercially applied air-conditioning and heating system that distributes refrigerant from the outdoor unit to multiple indoor units, providing efficient, comfortable individual user control and reliability in one flexible package.

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

VRV is built upon 5 basic “Building Blocks” — Outdoor Unit, Indoor Unit, Piping, Controls, and Ventilation — providing the attributes of a central chilled water system but with the simplicity of a split system. This makes it very

flexible and ideal for energy-efficient and comfortable cooling and heating of many types of buildings such as banks, health care, skilled care, libraries, storage facilities, conference centers, etc.



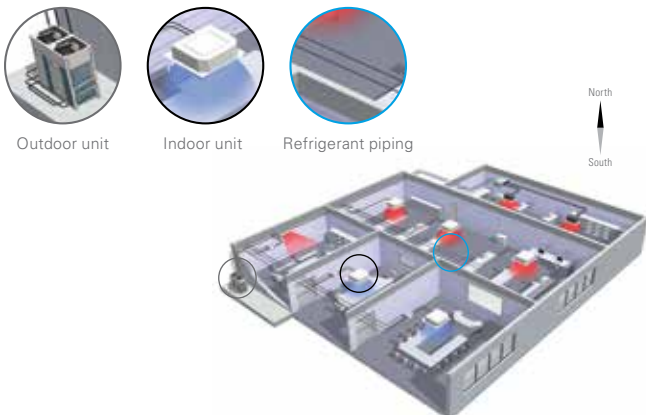
Air-Cooled

- » Fast and easy to install — no need for additional components
- » Low maintenance costs
- » Can be installed both outdoors and indoors
- » Up to 38 tons capacity for one system
- » Available in Heat Pump or Heat Recovery (Simultaneous Heating and Cooling of Different zones)

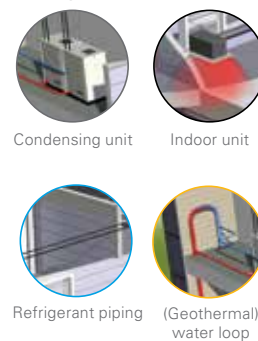
Water-Cooled

- » Suitable for multi-story and large buildings because of the almost unlimited possibilities of water piping
- » Not affected by outdoor temperature/climate conditions
- » Reduce CO₂ emissions thanks to the possibility of geothermal energy as a renewable energy source
- » Available in Heat Pump or Heat Recovery (Simultaneous Heating and Cooling of Different zones)

Components:



Components:



Inventor and leader in VRV systems since 1982

Diverse products that make the difference

» In efficiency

- Variable Refrigerant Temperature (VRT) technology leading to excellent energy efficiency
- Indoor units with advanced sensing technology and optional self-cleaning air filter panel

» In comfort

- Variable Refrigerant Temperature technology preventing cold draughts
- 16 different indoor unit types and 91 models
- Low sound indoor and outdoor units

» In aesthetics

- Stylish cassettes integrated in the ceiling
- Ceiling suspended cassettes
- Elegant wall mounted units

» In installation

- Self-addressing control system after installation
- VRV Configurator for simplified and time saving commissioning
- Flexible connection possibilities for indoor and outdoor units
- Service Window allows for easy commissioning and troubleshooting

» In control

- *intelligent Touch Manager (iTM)* — a mini-BMS/Centralized Controller that integrates all units in a cost-efficient system
- Easy integrating with third party BMS
- Dedicated control solutions for applications such as offices, shops, hotels, schools, etc.

» In system design

- User friendly sizing and selection software
- CAD drawings and Revit* families
- Comprehensive engineering manuals

» In after market support

- Nationwide field support organization
- 50+ product training facilities in North America
- Dedicated tech support team

» In reliability

- Refrigerant-cooled electronics in outdoor unit
- Extensive testing before new units leave the factory
- Spare parts available in the US
- ISO 9001 compliant manufacturing
- One of the best warranties** in the industry

* Visit bim.daikincity.com for Revit families

** Complete warranty details available from your local Daikin manufacturer's representative or distributor or online at www.daikincomfort.com.

Outstanding 10-Year Parts and Compressor Warranties*



Outstanding commercial warranty* with 10-Year Replacement Compressor Warranty and 10-Year Parts

Warranty as standard ensures our confidence in our new VRV IV X.

* Complete warranty details available from your local Daikin manufacturer's representative or distributor or online at www.daikincomfort.com.





VRV Products Indoor Units



Indoor Units Overview



Condensate Pump as Standard



All Aluminum Coil



Optional Auto Cleaning Filter



Outside Air Integration Possible



Variable-Speed ECM Motor



All Aluminum Coil



Filter Included

What are your choices?

FXMQ_TBVCJU (R-410A) FXMA_AAVJU (R-32)

R32

HSP DC Concealed Ducted Unit

Ceiling mounted DC-Ducted unit — ideal for small to large spaces in need of a concealed air-conditioning system.



FXFQ_TVVCJU (R-410A) FXFQ_AAVJU (R-32)

R32

Round Flow Sensing Cassette, Ceiling Mounted

Ideal for open plan applications such as classrooms and offices where adaptive comfort control is preferred. Provides excellent comfort level, energy efficiency, and flexibility due to

ROUND FLOW



FXSQ_TBVCJU (R-410A) FXSA_AAVJU (R-32)

R32

MSP Concealed Ducted Ducted unit with compact design and powerful static pressure capabilities.



FXTQ_TBVCJUA(D) (R-410A) FXTA_AAVJUA(D)(R-32)

R32

Multi-Position Air Handling Unit

Vertical air handling unit ideal for both residential and light commercial applications. It has upflow, downflow, horizontal left and horizontal right possibilities.



FXAQ_PVVCJU (R-410A) FXAA_AAVJU (R-32)

R32

Wall-Mounted Unit

Unit ideal for cooling or heating smaller zones such as stores, offices and restaurants. Compact and stylish design.



FXZQ_TBVCJU (R-410A) FXZA_AAVJU (R-32)

R32

VISTA 2x2 Cassette for VRV

2'x2' 4-way Cassette best for open plan applications such as classrooms, offices and retail.



FXMQ_MVJU**HSP High Capacity Concealed Ducted**

Ideal unit for larger open space floor plans usually found in offices, retails, hotels or education facilities.

**FXNQ_MVJU9****Concealed Floor-Standing Unit**

Floor-standing unit that can easily be installed along a perimeter wall — or concealed

**FXLQ_MVJU9****Floor-Standing Unit**

Great way to save space. The floor-standing units can easily be installed along a perimeter wall.

**FXUQ_PAVJU****4-Way Blow Ceiling-Suspended Cassette**

Perfect solution for rooms without a false ceiling, or minimal space above a false ceiling, where adaptive comfort control is preferred.

**FXEQ_PVJU****Ceiling-Mounted Cassette (Single Flow)**

Slim and compact design for installation flexibility. For hotel rooms, offices and residential.

**FXHQ_MVJU****Ceiling-Suspended Unit**

Ceiling-suspended with slim and elegant design solution for VRV

**FXDQ_MVJU****LSP Slim Concealed Ducted Unit**

Slim duct built-in concealed unit with low profile and low sound level.

**HXY48TAVJU****Low Temperature Hydrobox**

High-efficiency all-electric heat pump hot and chilled water solution for VRV





Condensate Pump
as Standard



Outside Air
Integration Possible

Powerful, Concealed, Flexible

The ceiling mounted HSP DC concealed ducted unit is ideal for small to large spaces in need of a concealed air-conditioning system. It is extremely powerful and the compact design allows it to be completely concealed. This makes it perfect for retail, classrooms, offices, banks, restaurants, shops and hotels common areas.

Features and Benefits

- » Capacity range up to 54 MBH.
- » Energy efficient due to the DC fan motor
- » Ideal to use together with the optional Daikin Zoning Kit, DZK
- » Provides a high degree of control for auxiliary heating devices, with independently configurable on/off temperature values
- » Advanced economizer control logic
- » Enhanced indoor air quality and LEED® ready with MERV 13 filter options
- » Ease of installation with auto adjusting airflow at commissioning based on external static pressure
- » Flexible ductwork design with ESP capabilities up to 0.8" W.G.
- » Installation flexibility with a low profile, compact design at less than 12" in height
- » Easy maintenance with complete service access from below

* Refer to installation manual for all installation clearance requirements.

** Auto fan speed requires the use of the BRC1NRV71/72 controller



BRC1NRV71/72
(option)



AZAI6WSCDKA
(option)



BRC4C82
(option)



BRC1H71W
(option)



AZAI6WSPDKC
(option)



DTST-CWBSA-NI-B
(option)

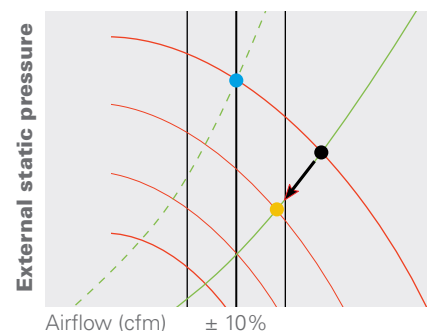


DTST-TOU-A
(option)

Auto Adjust External Static Pressure

- » After installation, it is possible that the actual duct resistance is lower than expected at the time of designing. As a consequence, the airflow will be too high.
- » With the automatic airflow adjustment function the unit can adapt its fan speed to a lower curve, so the airflow decreases.
- » The airflow will always be within 10% of the rated airflow because of the amount of possible fan curves (more than 8 fan curves available per model).
- » Alternatively the installer can manually select a fan curve with the wired remote control.

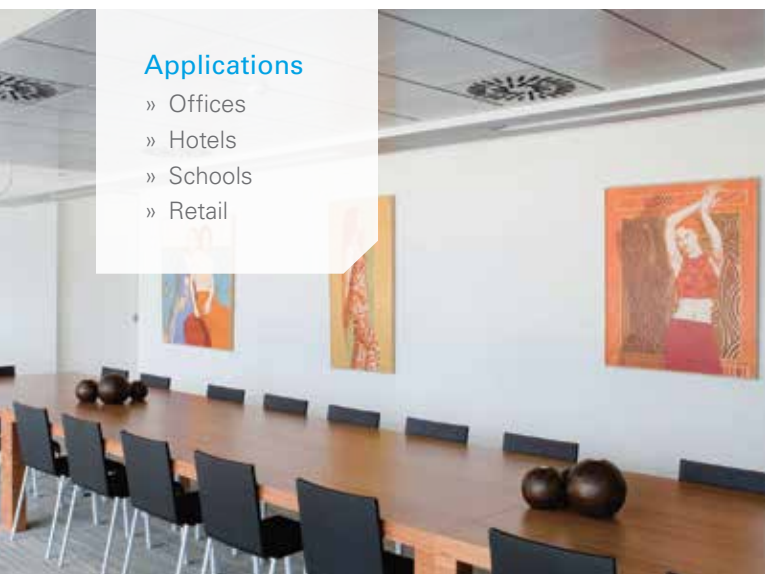
Auto Adjust External Static Pressure



- Fan characteristic curve
- Actual duct resistance curve
- - - Duct resistance curve at the time of designing
- Rated airflow
- Airflow without airflow automatic adjustment
- Actual airflow

Applications

- » Offices
- » Hotels
- » Schools
- » Retail

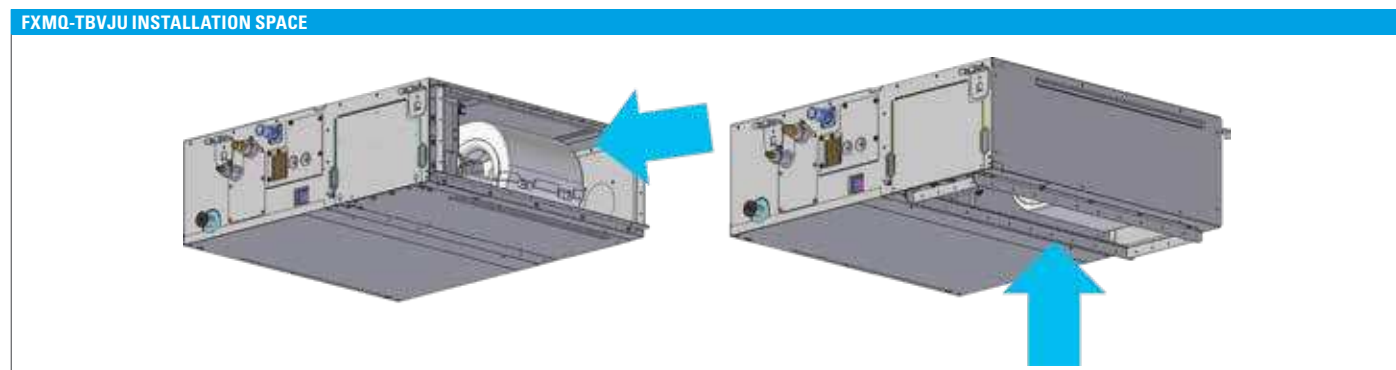


FXMQ_TBVJU SPECIFICATIONS			1.25 TON	1.5 TON	2.0 TON	2.5 TON	3.0 TON	4.0 TON	4.5 TON
Model Name			FXMQ15TBVJU	FXMQ18TBVJU	FXMQ24TBVJU	FXMQ30TBVJU	FXMQ36TBVJU	FXMQ48TBVJU	FXMQ54TBVJU
Power Supply		V/ph/Hz	Single-phase 208/230V 60Hz						
Rated Cooling Capacity		BTU/h	14,200 (4.2)	18,000 (5.3)	24,000 (7.0)	30,000 (8.8)	36,000 (10.6)	48,000 (14.1)	54,000 (16.7)
Rated Heating Capacity		BTU/h	17,000 (5.0)	20,000 (5.9)	27,000 (7.9)	34,000 (10.0)	40,000 (11.7)	54,000 (15.8)	63,000 (18.5)
Airflow Rate (H/M/L)		SCFM (M3/MIN)	560/447/406 (15.8/12.7/11.5)	635/565/512 (18.0/16.0/14.5)	742/635/565 (21.0/18.0/16.0)	1094/847/795 (31.0/24/22.5)	1130/953/795 (32.0/27.0/22.5)	1377/1130/918 (39.0/32.0/26.0)	1518/1235/989 (43.0/35.0/28.0)
Height		in.	9-11/16						
Width		in.	39-3/8			55-1/8			61
Depth		in.	31-1/2						
Condensate Pump Lift		in.	25-5/16						
Sound Level (Reference) *		Power dB(A)	65	64	67	71	72	76	80
		Pressure dB(A)	37/34/31	36/34/32	39/35/33	43/38/36	44/40/36	48/44/39	52/47/42
Weight		lbs. (kg)	77 (35)		82 (37)	101 (46)		104 (47)	115 (52)
Condensate Pipe Connection		in. O.D.	VP25						
Pipe Connections	Gas	in. (mm)	ø1/4 (ø6.4) (Flare)		ø3/8 (ø9.5) (Flare)				
	Liquid	in. (mm)	ø1/2 (ø12.7) (Flare)		ø5/8 (ø15.9) Flare				
Refrigerant			R-410A						
Refrigerant Control			Electronic Expansion Valve						
Maximum Overcurrent Protective Device		A	15						
Minimum Circuit Amps		A	1.8	1.9		3	3.1	3.6	
Protection Devices			Fuse and Fan Driver Overload Protector						
External Finish			Galvanized Steel Plate						
External Static Pressure (H/L)		in. W.G.	0.80/0.20						0.56/0.20

* The sound power levels are based on ISO9614 and the sound pressure levels are based on JIS B 8616.

FXMQ_TBVJU ACCESSORIES							
Model Name	FXMQ15TBVJU	FXMQ18TBVJU	FXMQ24TBVJU	FXMQ30TBVJU	FXMQ36TBVJU	FXMQ48TBVJU	FXMQ54TBVJU
Navigation Remote Controller*	BRC1NRV71/72						
DKN Cloud Wi-Fi Adaptor	AZA16WSCDKA						
Madoka Remote Controller	BRC1H71W						
Button Sensor Kit	KRCSH2018-01						
Daikin ONE+ smart thermostat	DTST-CWBSA-NI-B						
DKN Plus Interface	AZA16WSPDKC						
Daikin ONE Touch	DTST-TOU-A						
Wireless Remote Controller	BRC4C82						
Remote Sensor Kit	Kit KRCS01-6B						
Wiring Adaptor PCB (interface with aux/primary heater, humidifier, OA damper/fan)	KRP1C75						
Group Control Adaptor PCB (connects to external BMS)	KRP4A74						

* Optional face plates available to provide a more intuitive user interface and disable specific functions



FXSQ_TB VJU

MSP Concealed Ducted Unit



Condensate Pump
as Standard

Outside Air
Integration Possible

Do more with less

The MSP concealed ducted unit is engineered with impressive static pressure capability in a compact, flexible chassis design to give designers a tool to approach even the most cramped air conditioning applications.

Features and Benefits

- » Powerful static pressure capability, with up to 0.6 in. Wg. (150Pa) external static pressure.
- » Ease of installation with auto adjusting airflow at commissioning based on external static pressure.
- » Designed for installation flexibility, with a factory rear-return configuration and field convertible to bottom return.
- » Sound levels as low as 28 dB(A) for quiet operation.
- » Provides a high degree of control for auxiliary heating devices, with independently configurable on/off temperature values.
- » Integral condensate pump with up to 25-5/16" (643mm) of lift from the drain outlet
- » Ideal for use with the Daikin Zoning Kit, DZK



BRC1NRV71/72
(option)



AZAI6WSCDKA
(option)



BRC4C82
(option)



BRC1H71W
(option)



AZAI6WSPDKC
(option)



DTST-CWBSA-NI-B
(option)



DTST-TOU-A
(option)

Flexible Installation

The FXSQ_TB can easily be converted to a bottom-return configuration to optimize the use of space above the ceiling or bulkhead space.



Applications

- » Offices
- » Hotel Rooms
- » Multi-family residences
- » Single-family residences
- » Schools



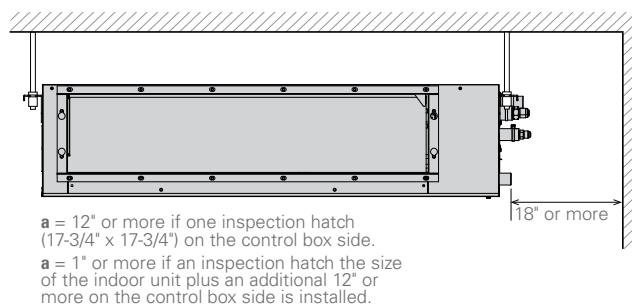
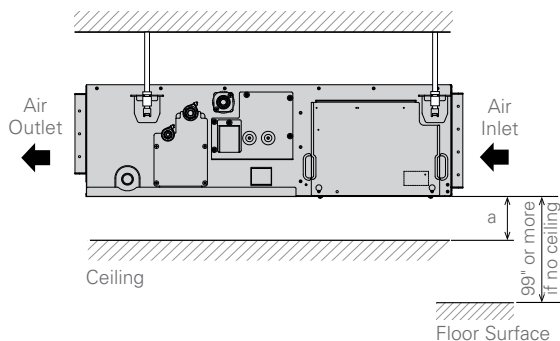
SPECIFICATIONS			0.5 TON	0.6 TON	0.75 TON	1.0 TON	1.25 TON	1.5 TON
Model Name			FXSQ05TBVJU	FXSQ07TBVJU	FXSQ09TBVJU	FXSQ12TBVJU	FXSQ15TBVJU	FXSQ18TBVJU
Capacity Index			5.8	7.5	9.5	12	15	18
Power Supply		V/ph/Hz	208/230VAC, 60Hz, 1 phase					
Nominal Cooling Capacity* ¹		Btu/h (kW)	5,800 (1.7)	7,200 (2.1)	9,500 (2.8)	12,000 (3.5)	15,000 (4.4)	18,000 (5.3)
Nominal Heating Capacity* ²		Btu/h (kW)	6,500 (1.9)	8,500 (2.5)	10,500 (3.1)	13,500 (4.0)	17,000 (5.0)	20,000 (5.9)
Fan	Type		Sirocco fan					
	Motor Output	W	78				130	230
	Air Flow Rate (H/M/L)	CFM	281 / 265 / 230		318 / 265 / 230	335 / 283 / 247	530 / 441 / 371	600 / 512 / 406
	Drive Type		DC Direct Drive					
	External Static Pressure (Std./Max)		0.2 / 0.6				0.4 / 0.6	
Height		in. (mm)	9-11/16					
Width		in. (mm)	21-11/16				27-9/16	39-3/8
Depth		in. (mm)	31-1/2					
Weight (net)		lbs. (kg)	55 (25)				60 (27)	77 (35)
Condensate Pump Lift		in. (mm)	25-5/16 (643)					
Sound Pressure Level (H/M/L speed)		dB(A)	33 / 30 / 28		34 / 32 / 30		36 / 33 / 30	34 / 32 / 29
Pipe Connections	Liquid	in.	1/4 (Flare)					
	Gas	in.	1/2 (Flare)					
	Condensate Drain	in.	VP25					
Refrigerant Control			Electronic Expansion Valve					
Maximum Overcurrent Protection Device		A	15					
Minimum Circuit Ampacity		A	0.8				1.4	1.6

SPECIFICATIONS		2.0 TON	2.5 TON	3.0 TON	4.0 TON	4.5 TON
Model Name		FXSQ24TBVJU	FXSQ30TBVJU	FXSQ36TBVJU	FXSQ48TBVJU	FXSQ54TBVJU
Capacity Index		24	30	36	48	54
Power Supply		V/ph/Hz 208/230VAC, 60Hz, 1 phase				
Nominal Cooling Capacity*1		Btu/h (kW) 24,000 (7.0)	30,000 (8.8)	36,000 (10.6)	48,000 (14.1)	54,000 (15.8)
Nominal Heating Capacity*2		Btu/h (kW) 27,000 (7.9)	34,000 (10.0)	40,000 (11.7)	54,000 (15.8)	60,000 (17.6)
Fan	Type	Sirocco fan				
	Motor Output	W 230	300			350
	Air Flow Rate (H/M/L)	CFM 742 / 618 / 512	812 / 689 / 565	1130 / 953 / 795	1307 / 1112 / 918	1377 / 1183 / 989
	Drive Type	DC Direct Drive				
	External Static Pressure (Std./Max)	0.2 / 0.6				0.2 / 0.56
Height		in. (mm) 9-11/16				
Width		in. (mm) 39-3/8	55-1/8			61
Depth		in. (mm) 31-1/2				
Weight (net)		lbs. (kg) 77 (35)	82 (37)	101 (46)	104 (47)	115 (52)
Condensate Pump Lift		in. (mm) 25-5/16 (643 mm)				
Sound Pressure Level (H/M/L speed)		dB(A) 36 / 32 / 29	37.5 / 34 / 30	39 / 35 / 32	42 / 38.5 / 35	43 / 40 / 36
Pipe Connections	Liquid	in. 3/8 (Flare)				
	Gas	in. 5/8 (Flare)				
	Condensate Drain	in. VP25				
Refrigerant Control		Electronic Expansion Valve				
Maximum Overcurrent Protection Device		A 15				
Minimum Circuit Ampacity		A 1.8			2.5	2.8 3.3

Note: *¹ Nominal cooling capacities are based on the following conditions: 80°F DB / 67°F WB (26.7°C DB / 19.4°C WB) return air temperature; 95°F DB (35°C DB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

*² Nominal heating capacities are based on the following conditions: 70°F DB (21.1°C DB) return air temperature; 47°F DB / 43°F WB (8.3°C DB / 6.1°C WB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

FXSQ



a = 12" or more if one inspection hatch (17-3/4" x 17-3/4") on the control box side.
a = 1" or more if an inspection hatch the size of the indoor unit plus an additional 12" or more on the control box side is installed.

FXDQ_MVJU

LSP Slim Concealed Ducted Unit



Condensate Pump
as Standard

Outside Air
Integration Possible

Filter
Included

Concealed, Slim, Quiet, Comfortable

The LSP slim concealed unit is available for use with the VRV systems to complement the existing concealed ceiling unit options. With its low profile and low sound level this unit can be installed into limited ceiling void, bulkhead or soffit space.

Features and Benefits

- » Slim height, at only 7 $\frac{7}{8}$ ", makes it suitable for most of the applications where attic / bulkhead space is limited
- » With a sound level down to 29 dB(A) these units are among the quietest on the market
- » Factory shipped for rear air inlet — field convertible to bottom air inlet
- » Washable filter included
- » Condensate pump with vertical lift of up to 21 $\frac{1}{2}$ " included as standard
- » Blends unobtrusively with any interior decor; only the suction and discharge grills are visible



BRC1NRV71/72
(option)



AZAI6WSCDKA
(option)



BRC4C82
(option)



BRC1H71W
(option)



AZAI6WSPDKC
(option)



DTST-CWBSA-NI-B
(option)



DTST-TOU-A
(option)

Applications

- » Hotel rooms
- » Multi-family residences
- » Single family residences
- » School dormitories



FXDQ_MVJU SPECIFICATIONS			0.6 Ton	0.75 Ton	1 Ton	1.5 Tons	2 Tons
Model Name			FXDQ07MVJU	FXDQ09MVJU	FXDQ12MVJU	FXDQ18MVJU	FXDQ24MVJU
Power Supply		V/ph/Hz	208-230/1/60				
Rated Cooling Capacity		BTU/h	7,500	9,500	12,000	18,000	24,000
Rated Heating Capacity		BTU/h	8,500	10,500	13,500	20,000	27,000
Airflow Rate (H/L)		CFM	280/226			440/350	580/460
Weight		lbs.	51			63	71
Height		in.	7-7/8				
Width		in.	27-9/16			35-7/16	43-5/16
Depth		in.	24-7/16				
Sound Pressure (H/L)		dB(A)	33/29			35/31	36/32
Condensate Pump Lift		in.	21-5/8				
Condensate Pipe Connection		in. O.D.	1-1/32				
Pipe Connections	Gas	in.	1/2 (Flare)				5/8 (Flare)
	Liquid	in.	1/4 (Flare)				3/8 (Flare)
Refrigerant			R-410A				
Refrigerant Control			Electronic Expansion Valve				
Maximum Overcurrent Protective Device		A	15				
Minimum Circuit Amps		A	0.9			1.3	1.4
Protection Devices			Fuse and Fan Motor Thermal Protector				
External Finish			Galvanized Steel Plate				
Standard Filter Type			Removable, Washable, Mildew Proof				
External Static Pressure (H/L)		in. Wg	0.12/0.04			0.17/0.06	0.17/0.06

Nominal Conditions:**Cooling Mode**

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

Heating Mode

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

Note: Specifications are subject to change without notice.

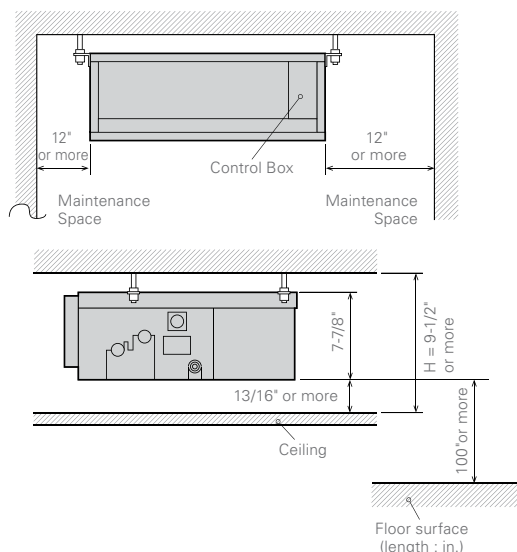
FXDQ_MVJU ACCESSORIES

Model Name	FXDQ07MVJU	FXDQ09MVJU	FXDQ12MVJU	FXDQ18MVJU	FXDQ24MVJU
Navigation Remote Controller*			BRC1NRV71/72		
DKN Cloud Wi-Fi Adaptor			AZA16WSCDKA		
Madoka Remote Controller			BRC1H71W		
Button Sensor Kit			KRCSH2018-01		
Daikin ONE+ smart thermostat			DTST-CWBSA-NI-B		
DKN Plus Interface			AZA16WSPDKC		
Daikin ONE Touch			DTST-TOU-A		
Wireless Remote Controller			BRC4C82		
Remote Sensor Kit			KRCS01-1B		
Wiring Adaptor PCB (interface with aux/primary heater, humidifier, OA damper/fan)			KRP1C75		
Group Control Adaptor PCB (connects to external BMS)			KRP4A74		
Access Panel (single door)		APFXDQ070912		APFXDQ18	APFXDQ24
Access Panel with return air filter (single door)		APRFFXDQ070912		APRFFXDQ18	APRFFXDQ24
Filter Media Replacement		APRFFXDQ070912F		APRFFXDQ18F	APRFFXDQ24F

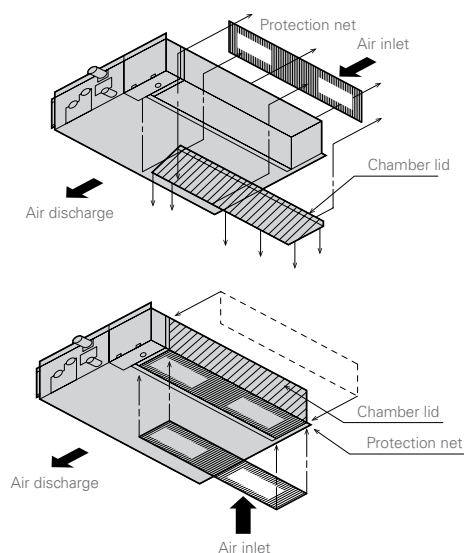
* Optional face plates available to provide a more intuitive user interface and disable specific functions

FXDQ_MVJU INSTALLATION SPACE

Choose an installation site that ensures both optimum air distribution and sufficient clearance for maintenance.



The return air inlet can be easily changed from rear to bottom using the same chamber lid.



FXTQ_TBVJUA(D)

Multi-Position Air Handling Unit



Outside Air
Integration
Possible



All
Aluminum
Coil



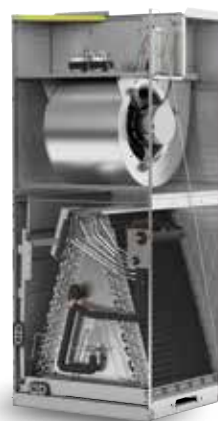
Variable
Speed
ECM Motor

Outstanding flexibility and performance

The FXTQ_TAVJUA(D) air handler features full multi-position* flexibility to meet the most demanding installation conditions. A multitude of features ensure reliable, efficient performance year round.

Features and Benefits

- » Expanded capacity lineup, featuring ten models ranging from ¾ ton to 5 tons, with a redesigned** unit frame for maximum durability.
- » Full multi-position air handler capable of upflow, downflow*, horizontal right, and horizontal left installation.
- » A High-Efficiency, ECM motor powers the fan to deliver nominal CFM at up to 0.9" in. Wg static. An auto fan speed setting automatically adjusts the fan speed through 5 steps based on the load in the space.
- » Wide line up of electric heat (field installed) options from 3kW to 25kW.
- » An auxiliary heat logic features a reduced heater operation deadband and the ability to run both heat pump and auxiliary heat for maximum comfort and performance in colder climates. The auxiliary heat can be interlocked with the ambient temperature sensed by the outdoor unit.
- » Designed with less than 2% air leakage when tested in accordance with ASHRAE standard 193.
- » New integrated control board reduces** the number of electrical connections required. Quick disconnect control wiring terminals simplify installation.
- » Easily integrate with third party accessories such as a humidifier or economizer with on-board contacts.



AZAI6WSDKA
(option)



DTST-CWBSA-NI-B
(option)



BRC1H71W
(option)



AZAI6WSPDKC
(option)



BRC1NRV71/72
(option)



DTST-TOU-A
(option)

- » Up to 200% connection ratio is possible on applicable VRV IV systems.
- » Available with optional factory installed disconnect (Built to order — model FXTQ_TAVJUD.)

*Downflow requires field installed optional downflow accessory.
(Part number DFK-B/C/D)

**Compared to previous model FXTQ_P

Designed for Compact Spaces

With its compact and space saving design, the new FXTQ_TAVJUA(D) air handler units are engineered to suit most light commercial and residential applications.

- » At under 46" tall and only 17-1/2" wide up to 3 tons, the FXTQ_TAVJUA(D) can be installed in tight closet spaces.
- » Designed for zero clearance on three sides and only 24" clearance on the front for service.
- » Sound levels as low as 36 dBA to suit applications in sound sensitive environments.

Applications

- » Multi-family
- » Single-family
- » Hotels
- » Offices

Electric Heater Options

ELECTRICAL HEATER CAPACITY

Model Name	3kW	5kW	6kW	8kW	10kW	15kW	19kW	20kW	25kW
FXTQ09TAVJUA(D)	■	■							
FXTQ12TAVJUA(D)	■	■	■						
FXTQ18TAVJUA(D)	■	■	■	■	■				
FXTQ24TAVJUA(D)	■	■	■	■	■				
FXTQ30TAVJUA(D)	■	■	■	■	■				
FXTQ36TAVJUA(D)	■	■	■	■	■				
FXTQ42TAVJUA(D)		■	■	■	■	■			
FXTQ48TAVJUA(D)		■	■	■	■	■	■		
FXTQ54TAVJUA(D)		■	■	■	■	■		■	■
FXTQ60TAVJUA(D)		■	■	■	■	■		■	■

SPECIFICATIONS			0.75 Ton		1 Ton		1.5 Ton		2 Ton		2.5 Ton				
Model Name			FXTQ09TBVJUA		FXTQ12TBVJUA		FXTQ18TBVJUA		FXTQ24TBVJUA		FXTQ30TBVJUA				
Model Name (With factory disconnect)			FXTQ09TBVJUD		FXTQ12TBVJUD		FXTQ18TBVJUD		FXTQ24TBVJUD		FXTQ30TBVJUD				
Power Supply			V/ph/Hz		208/230VAC, 60Hz, 1 phase										
Nominal Cooling Capacity*1			Btu/h		9,500		12,000		18,000		24,000		30,000		
Nominal Heating Capacity*2			Btu/h		10,500		13,500		20,000		27000		34,000		
Fan	Type		Sirocco FC Centrifugal												
	Motor Output		HP		1/2										
	Air Flow Rate (H/M/L)		CFM		300 / 275 / 250		400 / 340 / 280		600 / 510 / 420		800 / 680 / 560		1000 / 850 / 700		
	Static Pressure*3		in. Wg		0.18" / 0.9"									0.23" / 0.9"	
	Drive Type		Variable speed ECM												
Height			in.		45										
Width			in.		17.5										
Depth			in.		21										
Weight (net) (TAVJUA/TAVJUD)			lbs.		105/108		112/115		111/118		112/115		113/116		
Sound Pressure Level (H speed)			dB(A)		36				45				52		
Pipe Connections	Liquid		in.		1/4 (Braze)						3/8 (Braze)				
	Gas		in.		1/2 (Braze)						5/8 (Braze)				
	Condensate Drain		in.		3/4 (fpt)										
Refrigerant Control					Electronic Expansion Valve										
Maximum Overcurrent Protective Device			A		15										
Minimum Circuit Amos			A		4.9										

SPECIFICATIONS			3 TON	3.5 TON	4 TON	4.5 TON	5 TON
Model Name			FXTQ36TBVJUA	FXTQ42TBVJUA	FXTQ48TBVJUA	FXTQ54TBVJUA	FXTQ60TBVJUA
Model Name (With factory disconnect)			FXTQ36TBVJUD	FXTQ42TBVJUD	FXTQ48TBVJUD	FXTQ54TBVJUD	FXTQ60TBVJUD
Power Supply		V/ph/Hz	208/230VAC, 60Hz, 1 phase				
Nominal Cooling Capacity* ¹		Btu/h	36,000	42,000	48,000	54,000	60,000
Nominal Heating Capacity* ²		Btu/h	40,000	46,000	54,000	60,000	66,000
Fan	Type		Sirocco FC Centrifugal				
	Motor Output	HP	1/2	3/4		1.0	
	Air Flow Rate (H/M/L)	CFM	1050 / 900 / 750	1400 / 1190 / 980	1520 / 1290 / 1060	1800 / 1530 / 1260	1800 / 1530 / 120
	Static Pressure* ³	in. Wg	0.23" / 0.9"				0.28" / 0.9"
	Drive Type		Variable speed ECM				
Height		in.	45	53.43		58	
Width		in.	17.5	21		24.5	
Depth		in.	21				
Weight (net) (TAVJUA/TAVJUD)		lbs.	113/116	144/147		165/168	
Sound Pressure Level (H speed)		dB(A)	52	54		50	
Pipe Connections	Liquid	in.	3/8 (Braze)				
	Gas	in.	5/8 (Braze)				
	Condensate Drain	in.	3/4 (fpt)				
Refrigerant Control			Electronic Expansion Valve				
Maximum Overcurrent Protective Device		A	15				
Minimum Circuit Amps		A	4.9	6.5		8.6	

Notes: *1 Nominal cooling capacities are based on the following conditions: 80°F DB / 67°F WB (26.7°C DB / 19.4°C WB) return air temperature; 95°F DB (35°C DB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

*2 Nominal heating capacities are based on the following conditions: 70°F DB (21.1°C DB) return air temperature; 47°F DB / 43°F WB (8.3°C DB / 6.1°C WB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

*3 External static pressures are indicated as rated / maximum allowable range.

FXTQ_TAVJUA(D) ACCESSORIES					
Model Name	FXTQ36TAVJUA(D)	FXTQ42TAVJUA (D)	FXTQ48TAVJUA (D)	FXTQ54TAVJUA (D)	FXTQ60TAVJUA (D)
Navigation Remote Controller*			BRC1NRV71/72		
DKN Cloud Wi-Fi Adaptor			AZAI6WSDKA		
Madoka Remote Controller			BRC1H71W		
Button Sensor Kit			KRCSH2018-01		
Daikin ONE+ smart thermostat			DTST-CWBSA-NI-B		
DKN Plus Interface			AZAI6WSPDKC		
Daikin ONE Touch			DTST-TOU-A		
Wireless Remote Controller			BRC4C82		
Remote Sensor Kit			KRCS01-1B		
Wiring Adaptor PCB (interface with aux/primary heater, humidifier, OA damper/fan)			KRP1C75		
Group Control Adaptor PCB (connects to external BMS)			KRP4A74		

* Optional face plates available to provide a more intuitive user interface and disable specific functions

FXMQ_MVJU

HSP High Capacity Concealed Ducted Unit



Outside Air
Integration Possible

Do More with Less

Daikin's large capacity FXMQ_MVJU Concealed Ducted unit offers designers a option to provide a large impact in a small space. The large capacity FXMQ features a high efficiency DC fan motor delivering CFM up to 1.0" external static pressure. With the ability to remotely adjust the static pressure, the installation of Daikin VRV equipment is now even easier than before!

Features and Benefits

- » Powerful static pressure capability, with up to 1.0 in.w.g. (249Pa) external static pressure.
- » Ease of installation with remotely adjustable external static pressure using a Navigation Remote Controller (BRC1NRV71/72).
- » Designed for easier servicing and maintenance (compared to previous model) with 2 removable service panels for inspection of the interior or drain pan.
- » Sound levels as low as 28 dB(A) for quiet operation.
- » Includes a standard 1" filter rack for faster installation in the field, filter to be field provided
- » High levels of flexibility with 3 separate fan speeds along with a variety of fan curves.



BRC1NRV71/72
(option)



AZAI6WSDKA
(option)



BRC4C82
(option)



BRC1H71W
(option)



AZAI6WSPDKC
(option)



DTST-CWBSA-NI-B
(option)



DTST-TOU-A
(option)

Applications

- » Hotel/conference centers
- » Schools
- » Retail/shopping centers
- » Large open-plan offices
- » Churches

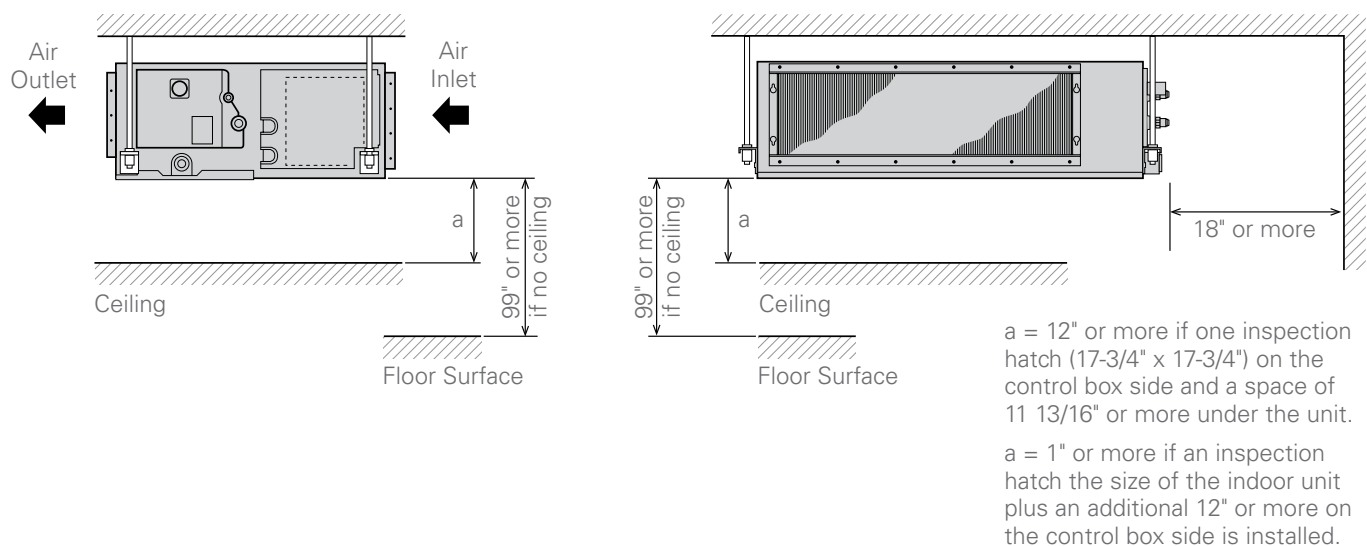


FXMQ_MVJU ACCESSORIES

Model Name	FXMQ96MVJU
Navigation Remote Controller*	BRC1NRV71/72
DKN Cloud Wi-Fi Adaptor	AZAI6WSCDKA
Madoka Remote Controller	BRC1H71W
Button Sensor Kit	KRCSH2018-01
Daikin ONE+ smart thermostat	DTST-CWBSA-NI-B
Daikin ONE Touch	DTST-TOU-A
DKN Plus Interface	AZAI6WSPDKC
Adaptive Touch Controller	BACRC-T-P01/ BACRC-TH-P01/ BACRC-THO-P01/ BACRC-THOC-P01
Wireless Remote Controller	BRC4C82
Remote Sensor Kit	KRCS01-1B
Wiring Adaptor PCB (interface with aux/primary heater, humidifier, OA damper/fan)	KRP1C74
Group Control Adaptor PCB (connects to external BMS)	KRP4A71
High Efficiency Filter Kit (MERV 13)	DACA-MQ96M-13-1K
High Efficiency Filter Kit (MERV 8)	DACA-MQ96M-8-1K

* Optional face plates available to provide a more intuitive user interface and disable specific functions

FXMQ_MVJU INSTALLATION SPACE



FXNQ_MVJU9

Concealed Floor-Standing Unit



Outside Air
Integration Possible

Filter
Included

Versatile, Logical, Durable, Quiet

The ideal way to save space, our floor-standing units can easily be installed along a perimeter wall — or concealed. The air distribution from these models will allow you to find the right balance for classrooms, churches, office hallways or similar spaces. The concealed floor units cover a wide range of capacities and can be built into counter in order to maintain the aesthetics of the room.

Features and Benefits

- » Ideal for installation beneath a window
- » Unit requires minimal installation space
- » Fitted with a washable long-life filter
- » Remote-control options available
- » Space-saving unit can be freestanding or wall-mounted, concealed or exposed
- » Models range from 7.5 MBH to 24 MBH



BRC1NRV71/72
(option)



AZAI6WSCDKA
(option)



BRC4C82
(option)



BRC1H71W
(option)



AZAI6WSPDKC
(option)



DTST-CWBSA-NI-B
(option)



DTST-TOU-A
(option)

Applications

- » Multi-family residences
- » Single-family residences
- » Churches
- » Historic buildings
- » Schools
- » Offices



FXNQ_MVJU9 SPECIFICATIONS			0.6 TON	0.75 TON	1 TON	1.5 TON	2 TON
Model Name			FXNQ07MVJU9	FXNQ09MVJU9	FXNQ12MVJU9	FXNQ18MVJU9	FXNQ24MVJU9
Power Supply	V/ph/Hz	208-230/1/60					
Rated Cooling Capacity	BTU/h	7,500	9,500	12,000	18,000	24,000	
Rated Heating Capacity	BTU/h	8,500	10,500	13,500	20,000	27,000	
Airflow Rate (H/L)	CFM	245/210		280/210	490/380	560/420	
Weight	lbs.	47		56	60		
Height	in.	24					
Width	in.	36-5/8		42-1/8	53-1/8		
Depth	in.	8-5/8					
Sound Pressure (H/L)	dB(A)	35/32		36/33	40/35	41/36	
Condensate Pipe Connection	in. O.D.	27/32					
Pipe Connections	Gas	in.	1/2				5/8
	Liquid	in.	1/4				3/8
Refrigerant		R-410A					
Refrigerant Control		Electronic Expansion Valve					
Maximum Overcurrent Protective Device	A	15					
Minimum Circuit Amps	A	0.3		0.5	0.6		
Protection Devices		Fuse and Fan Motor Thermal Protector					
External Finish		Galvanized Steel Plate					
Standard Filter Type		Resin Net (with Mold Resistant)					

Nominal Conditions:**Cooling Mode**

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

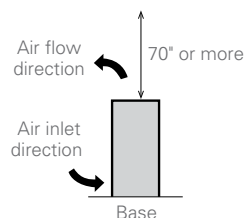
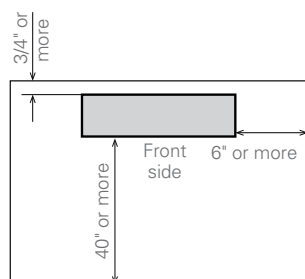
Heating Mode

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

Note: Specifications are subject to change without notice.

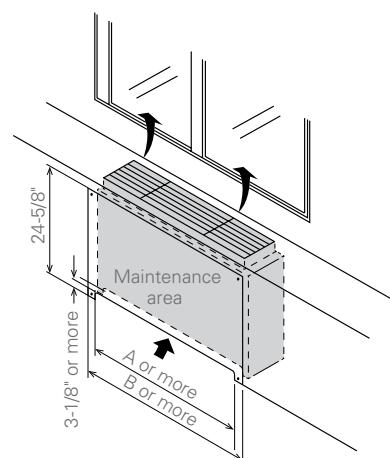
FXNQ_MVJU9 ACCESSORIES					
Model Name	FXNQ07MVJU9	FXNQ09MVJU9	FXNQ12MVJU9	FXNQ18MVJU9	FXNQ24MVJU9
Navigation Remote Controller*			BRC1NRV71/72		
DKN Cloud Wi-Fi Adaptor			AZA16WSDKA		
Madoka Remote Controller			BRC1H71W		
Button Sensor Kit			KRCSH2018-01		
Daikin ONE+ smart thermostat			DTST-CWBSA-NI-B		
DKN Plus Interface			AZA16WSPDKC		
Daikin ONE Touch			DTST-TOU-A		
Wireless Remote Controller			BRC4C82		
Remote Sensor Kit			KRCS01-1B		
Wiring Adaptor PCB (interface with aux/primary heater, humidifier, OA damper/fan)			KRP1C74		
Group Control Adaptor PCB (connects to external BMS)			KRP4A71		
Condensate Pump			DACA-CP3-1		

* Optional face plates available to provide a more intuitive user interface and disable specific functions

FXNQ_MVJU9 INSTALLATION SPACE**IMPORTANT**

Leave sufficient clearance for air inlet and maintenance.

MODEL	A (IN.)	B (IN.)
FXNQ12MVJU9	28	46
FXNQ18 - 24MVJU9	39	57
FXNQ07-09MVJU	23	41





Condensate Pump
as Standard

Outside Air
Integration Possible

Filter
Included



Optional
Auto Cleaning Filter

Surface & Occupancy
Sensor Kit as Standard

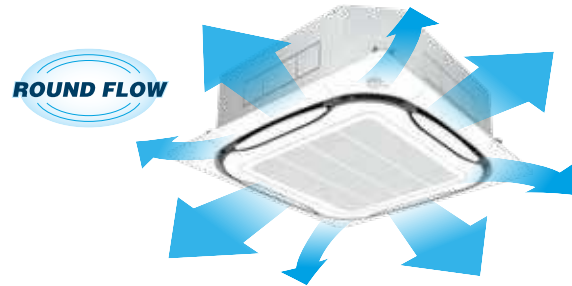
Adaptive Comfort Control

The *Round Flow* Sensing Cassette is ideal for open plan applications such as classrooms and offices where adaptive comfort control is preferred. The unit provides an excellent comfort level, energy efficiency, and flexibility due to advanced control functions based on input from three room sensors (occupancy, air temperature, and surface temperature). With 18 configurable airflow distribution patterns, it can be efficient and provide a comfortable environment in smaller, more intricate spaces as well.

Features and Benefits

- » Capacity range from 7.5 to 48 MBH.
- » True 360° Airflow and three room sensors enables optimized occupant comfort and efficiency
- » Energy efficient with DC fan motor and auto-logic that adjusts fan speed based on space load
- » Optional self-cleaning air filter panel to further increase efficiency and reduce maintenance costs, when used in *VRV IV* systems
- » Very flexible with 18 different possible airflow patterns, ensuring ideal air distribution to maximize comfort and efficiency
- » Compact design to allow for installation in small ceiling voids
- » Sound pressure levels as low as 27 db(A)
- » Enhanced indoor air quality and LEED® ready with MERV 13 filter options

The built-in occupancy sensor has two main functions: save energy and optimize occupancy comfort. In order to save energy, the function of the occupancy sensor can be used to automatically set back the air temperature and also lower the fan speed if no people are present in the room.

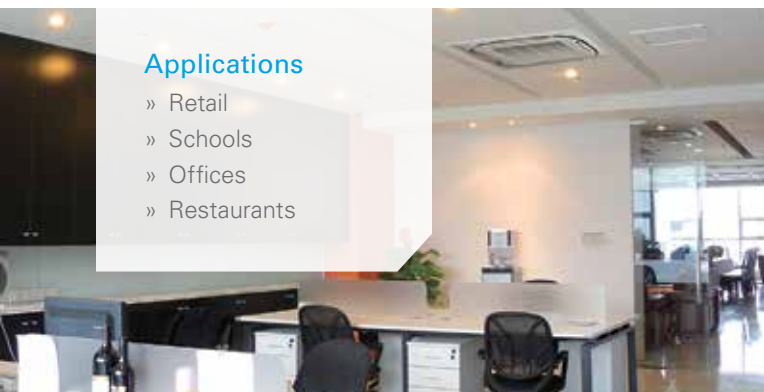


Together with the occupancy sensor, the air-temperature sensor and the built-in surface temperature sensor are used to maintain an even and comfortable temperature distribution from floor to ceiling in the room. This is done by automatically adjusting the supplied airflow rate and the individual position of each of the four supply air louvers in the unit, thus maintaining the required comfortable space environment.

In order to further increase efficiency and reduce maintenance costs, the *Round Flow* Sensing Cassette can be equipped with an optional self-cleaning filter panel that performs automatic air-filter cleaning up to once a day. Dust is deposited into a collection box during the self-cleaning process. When indicated with light on the unit and on the controller display, the dust collection box in the unit can easily and quickly be emptied with a standard vacuum cleaner.

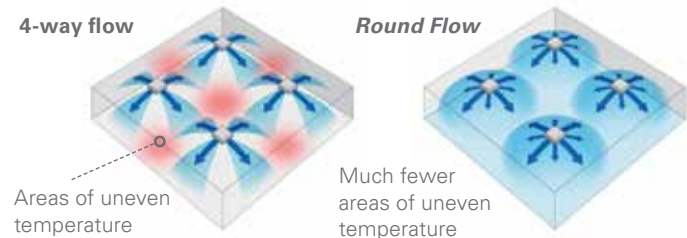
Applications

- » Retail
- » Schools
- » Offices
- » Restaurants



4-way flow vs. *Round Flow*

Round Flow Ceiling Mounted Cassette type offers 360° airflow with improved temperature distribution.



Advanced design for comfort and efficiency

Heat Exchanger Design

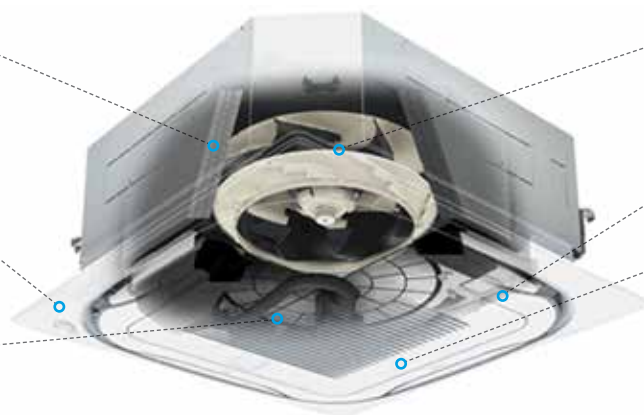
Optimized for part load operation
— great enhancement to
seasonal energy efficiency

Occupancy and Surface Temperature Sensors

Enables additional energy
savings and increased
comfort

Optional Self-Cleaning Filter Panel

Provides optimum efficiency, airflow
and reduced maintenance



DC Fan Motor

Very efficient — enables fan
auto logic based on ΔT set point

DC Drain Pump

Low power consumption

Decoration Panel

- » Efficient due to large air discharge outlets
- » Unique 360° airflow distribution
- » 4 individually controlled louvers enables optimized comfort in the space
- » Possibility to close 1, 2 or 3 louvers adds flexibility

Automatic air-direction control



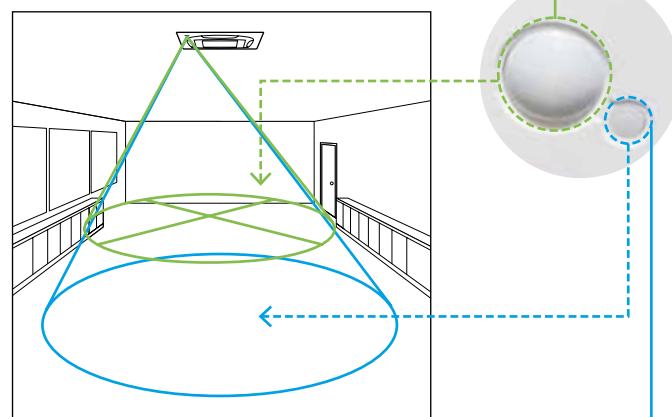
Air flow from the indoor unit is automatically adjusted to
always maintain a comfortable environment — even when
occupancy changes.

Dual infrared sensors

Sensors detect the presence of people and surface temperature to provide
comfortable air-conditioning and energy savings.

Infrared presence sensor

The sensor detects human presence, and energy saving control
can be performed when no people are detected.



Infrared surface sensor

The sensor detects the surface temperature and automatically adjusts operation
of the indoor unit to reduce the temperature difference between the ceiling
and the floor.

FXFQ_AAVJU (cont.)

Round Flow Sensing Cassette



Condensate Pump
as Standard



Outside Air
Integration Possible



Filter
Included

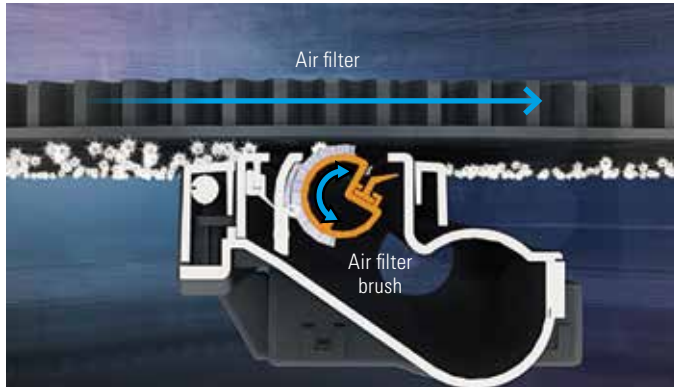


Optional
Auto Cleaning Filter

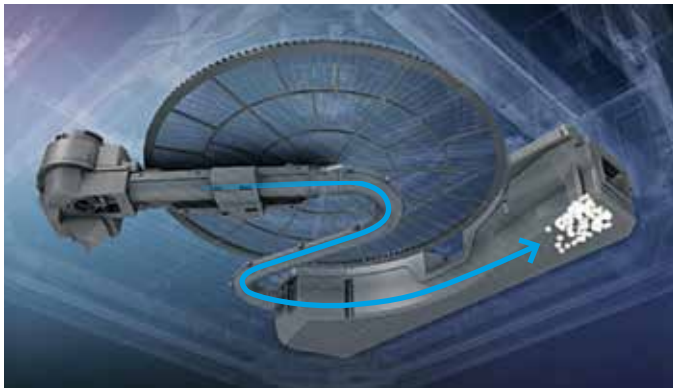


Surface & Occupancy
Sensor Kit as Standard

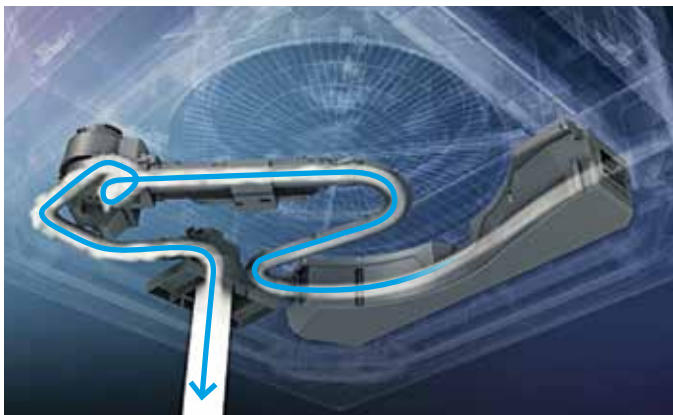
Automatic air filter cleaning (optional)



At the programmed time, the air filter rotates while the air filter brush turns back and forth to brush the filter.



Dust from the air filter brush is deposited into the dust collection container during the fully automatic self-cleaning process.



When indicated, the dust container in the unit is easily emptied with a standard vacuum cleaner.



FXFQ_AAVJU SPECIFICATIONS		0.60 TON	0.75 TON	1 TON	1.25 TON	1.5 TON	2 TON	2.5 TON	3 TON	4 TON
Model Name		FXFQ07TVJU	FXFQ09TVJU	FXFQ12TVJU	FXFQ15TVJU	FXFQ18TVJU	FXFQ24TVJU	FXFQ30TVJU	FXFQ36TVJU	FXFQ48TVJU
Power Supply	(V/ph/Hz)	208-230/1/60								
Rated Cooling Capacity	BTU/h	7,500	9,500	12,000	15,000	18,000	24,000	30,000	36,000	48,000
Rated Heating Capacity	BTU/h	8,500	10,500	13,500	17,000	20,000	27,000	34,000	40,000	54,000
Airflow Rate (H/M/L)	CFM	420/406/353	441/406/353	441/406/353	512/459/388	742/618/477	777/618/477	1,112/918/671	1,165/918/671	1,218/971/742
Weight	lbs.	42				42			58	
Height	in.	9-11/16						11-11/32		
Width	in.	33-1/16								
Depth	in.	33-1/16								
Sound Pressure (H/M/L)	dB(A)	30/28.5/27			31/29/27	35.5/32/28	36/32/28	43.5/38/32	44/38/32	45/40/35
Condensate Pump Lift	in.	26-1/16								
Condensate Pipe Connection		in. O.D.	1-1/4							
Pipe	Gas	in.	1/2 (Flare)				5/8 (Flare)			
Connections	Liquid	in.	1/4 (Flare)				3/8 (Flare)			
Refrigerant			R-410A							
Refrigerant Control			Electronic Expansion Valve							
Maximum Overcurrent Protective Device		A	15							
Minimum Circuit Amps		A	0.3		0.4	0.6	0.7	1.3	1.5	1.8
Protection Devices			Fuse/Breaker and Fan Motor Thermal Protector							
External Finish			Galvanized Steel Plate							
Standard Filter Type			Mold-Resistant Resin Net							

Nominal Conditions:**Cooling Mode**

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

Heating Mode

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

Note: Specifications are subject to change without notice.

FXFQ_AAVJU ACCESSORIES WITH:

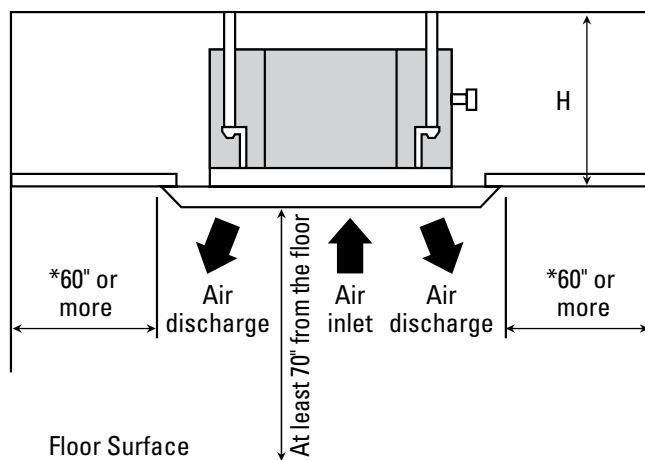
Accessory	Item #	Self-Cleaning Filter Panel (BYCQ54EEGFU)	Standard Sensing Decoration Panel (BYCQ54EEFU)
Navigation Remote Controller	BRC1NRV71/72	Yes ¹	Yes ¹
Navigation Remote Controller	BRC1E52A7	Yes ²	Yes ²
Remote Sensor Kit	KRCS01-4B	Yes	Yes
Outside Air Intake Kit	KAF555D160	Available	Yes
Long-Life Replacement Air Filter			
Panel Spacer	KDBP55H160FA	Yes	Yes

¹ No sensing functions available

² Optional face plates available to provide a more intuitive user interface and disable specific functions

OUTDOOR / CONDENSING UNIT COMPATIBILITY

Outdoor Condensing Unit	FXFQ_AAVJU with:	
	Self-Cleaning Filter Panel (BYCQ54EEGFU)	Standard Sensing Decoration Panel (BYCQ54EEFU)
VRV IV X, VRV EMERION	Yes	Yes
VRV LIFE, VRV IV S	Yes	Yes
SkyAir	Yes	Yes

FXFQ INSTALLATION SPACE

MODEL	HEIGHT
FXFQ07-24AAVJU	11"
FXFQ30-54AAVJU	12" or more

* Leave 7⁷/₈" or more space on sides where the air outlet is closed.

FXUQ_PAVJU

4-Way Ceiling-Suspended Cassette



Condensate Pump
as Standard



Filter
Included



Optional Surface &
Occupancy Sensor Kit

Slim, Stylish, Flexible

The unique 4-way ceiling-suspended cassette is an ideal solution for rooms without a false ceiling, or minimal space above a false ceiling, where adaptive comfort control is preferred.

The optional Sensor Kit (occupancy and surface temperature) together with air temperature sensor and advanced control functions enables the unit to provide an exceptional comfort level, energy efficiency, and flexibility.

Features and Benefits

- » Very low unit height of under 8" makes it an ideal solution for school, shops, restaurants and offices with no or low false ceilings
- » Optional Sensor Kit enables input from three room sensors to provide optimized occupant comfort and efficiency
- » Stylish unit blends easily with any interior, as the air louvers close entirely when not in operation
- » Energy efficient fan motor
- » Individual air louver control — one or more louvers can be easily closed via the remote controller when required
- » Ideal for both new and existing buildings
- » Can also be mounted partially recessed in a false ceiling
- » Same appearance and size for all capacity models
- » Standard drain pump with 19.5" lift



BRC1NRV71/72
(option)



AZAI6WSCDKA
(option)



BRC1H71W
(option)



AZAI6WSPDKC
(option)



DTST-CWBSA-NI-B
(option)

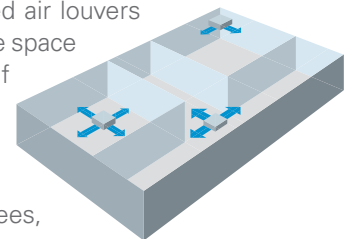


DTST-TOU-A
(option)

Flexible Airflow Pattern

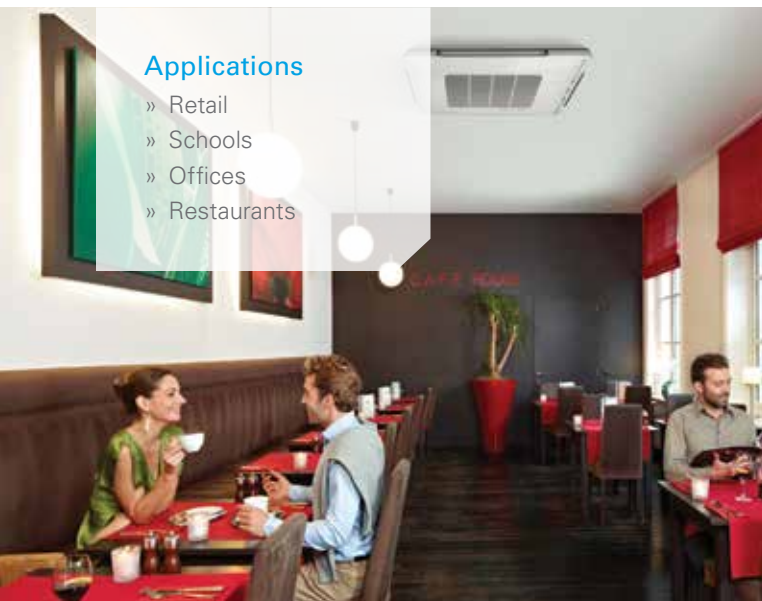
The four individually controlled air louvers in the unit enables comfortable space environment in a variety of different room layouts.

Air from each louver can be set to exhaust in 5 different angles between 0 and 60 degrees, or set to auto-swing.



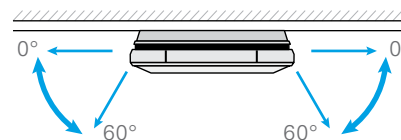
Applications

- » Retail
- » Schools
- » Offices
- » Restaurants

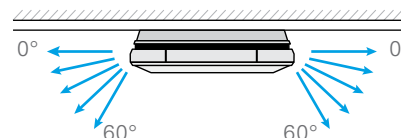


Airflow Angles

Auto Swing: Wide discharge angle: 0° to 60°



Fixed angles: 5 levels



FXUQ_PAVJU SPECIFICATIONS			1.5 TON	2 TON	2.5 TON	3 TON
Model Name			FXUQ18PAVJU	FXUQ24PAVJU	FXUQ30PAVJU	FXUQ36PAVJU
Power Supply		(V/ph/Hz)	208-230/1/60			
Rated Cooling Capacity		BTU/h	18,000	24,000	30,000	36,000
Rated Heating Capacity		BTU/h	20,000	27,000	34,000	40,000
Airflow Rate (H/M/L)		CFM	795/689/565		1095/918/742	
Weight		lbs.	58			60
Height		in.	7-13/16			
Width		in.	37 3/8			
Depth		in.	37 3/8			
Sound Pressure (H/M/L)		dB(A)	40/38/36		47/44/40	
Condensate Pump Lift		in.	19.5			
Condensate Pipe Connection		in. O.D.	VP20			
Pipe	Gas	in.	1/2 (Flare)	5/8 (Flare)	5/8 (Flare)	
Connections	Liquid	in.	1/4 (Flare)	3/8 (Flare)	3/8 (Flare)	
Refrigerant			R-410A			
Refrigerant Control			Electronic Expansion Valve			
Maximum Overcurrent Protective Device		A	15			
Minimum Circuit Amps		A	0.6		1.4	
Protection Devices			Fuse and Fan Motor Thermal Protector			
External Finish			White Casing			
Standard Filter Type			Resin Net (with Mold Resister)			

Nominal Conditions:**Cooling Mode**

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

Heating Mode

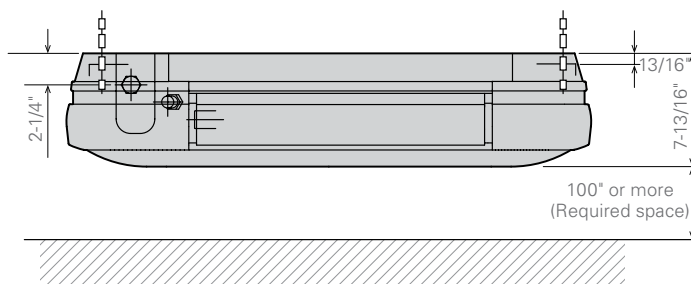
Indoor: 70°F DB
 Outdoor: 47°F DB / 43°F WB
 Pipe Length: 25 ft.
 Level Difference: 0 ft.

Note: Specifications are subject to change without notice.

FXUQ_PAVJU ACCESSORIES

Model Name	FXUQ18PAVJU	FXUQ24PAVJU	FXUQ30PAVJU	FXUQ36PAVJU
Sealing Member of Air Discharge Outlet			KDBHP49B140	
Decoration Panel for Air Discharge			KDBTP49B140	
Replacement Long-Life Filter			KAF5511D160	
Navigation Remote Controller			BRC1NRV71/72	
Sensor Kit ²			BRE49B2F	
Madoka Remote Controller			BRC1H71W	
Button Sensor Kit			KRCSH2018-01	
Daikin ONE+ smart thermostat			DTST-CWBSA-NI-B	
DKN Plus Interface			AZAI6WSPDKC	
Daikin ONE Touch			DTST-TOU-A	
Group Control Adaptor Printed Circuit Board1			KRP4A74	
Installation Box for Adaptor PCB			KRP1BA97	
Remote Sensor ²			KRCS01-6B	

¹ Installation box for Adaptor PCB (KRP1BA97) is necessary. ² Remote Sensor can only be installed when Sensor Kit is not installed.

FXUQ_PAVJU INSTALLATION SPACE**Automatic air-direction control**

Airflow from the indoor unit is automatically adjusted to always maintain a comfortable environment — even when occupancy changes.

FXZQ_TBVCJU

VISTA 2 x 2 Cassette Unit for VRV



Condensate Pump
as Standard

Outside Air
Integration Possible

Filter
Included

Designer Comfort

VISTA is a remarkable blend of iconic design and engineering excellence with an elegant white or a silver and white finish. Fitting within the ceiling grid, VISTA is stylish, low profile, and compact. Energy efficiency and comfort can be enhanced through the combined use of optional floor and presence sensors. It is also possible to close individual louvers via the wired remote control for personalized comfort.

Features and Benefits

- » New 0.5 ton (5,800 Btu/h) size.
- » Seamless integration in standard architectural ceiling tiles, eliminating any overlap of adjacent tiles.
- » Energy efficient operation thanks to specially developed small tube heat exchanger and two optional intelligent sensors.
- » The use of a High-Efficiency DC fan motor reduces operational power input up to 48% compared to the previous generation.
- » Provides high degree of control for auxiliary heating devices, with independently configurable on/off temperature values.
- » Direct integration of fresh air through a factory knock out.



BRC1NRV71/72
(option)



AZAI6WSDKA
(option)



BRC082A42W
BRC082A42S
BRC082A41W



BRC1H71W
(option)



AZAI6WSPDKC
(option)



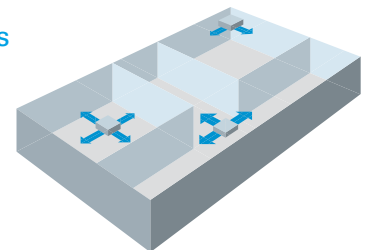
DTST-CWBSA-NI-B
(option)



DTST-TOU-A
(option)

Flexible Airflow Patterns

The four air louvers in the unit enables comfortable space environment in many different room layouts.

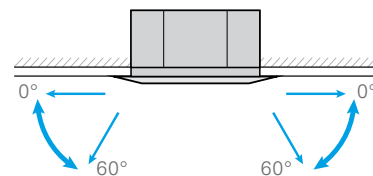


Applications

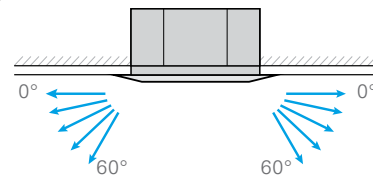
- » Retail
- » Schools
- » Offices

Airflow Angles

Auto Swing: Wide discharge angle: 0° to 60°



Fixed Angles: 5 Levels



Angles can be also set on site to prevent drafts (0°-35°) or soiling of the ceiling (25°-60°), other than standard setting (0°-60°).

SPECIFICATIONS		0.5 TON	0.6 TON	0.75 TON	1 TON	1.25 TON	1.5 TON
Model Name		FXZQ05TBVJU	FXZQ07TBVJU	FXZQ09TBVJU	FXZQ12TBVJU	FXZQ15TBVJU	FXZQ18TBVJU
Capacity Index		5.8	7.5	9.5	12	15	18
Power Supply	V/ph/Hz	208/230VAC, 60Hz, 1 phase					
Nominal Cooling Capacity* ¹	Btu/h (kW)	5,800 (1.7)	7,500 (2.2)	9,500 (2.8)	12,000 (3.5)	15,000 (4.5)	18,000 (5.3)
Nominal Heating Capacity* ²	Btu/h (kW)	6,500 (1.9)	8,500 (2.5)	10,500 (3.1)	13,500 (4.0)	17,000 (5.0)	20,000 (5.9)
Fan	Type	Turbo Fan					
	Motor Output	W					
	Air Flow Rate (H/M/L)	CFM					
	Drive Type	DC Direct Drive					
Dimensions - Unit Body (H x W x D)		in. (mm)					
Dimensions - Decoration Panel (H x W x D)		in. (mm)					
Weight (net)		lb. (kg)					
Condensate Pump Lift		in. (mm)					
Sound Pressure Level (H/M/L speed)		dB(A)					
Pipe Connections	Liquid	in.					
	Gas	in.					
	Condensate Drain	in.					
Refrigerant Control		Electronic Expansion Valve					
Maximum Overcurrent Protection Device		A					
Minimum Circuit Ampacity		A					
Decoration Panel - White		BYFQ60C3W1W					
Decoration Panel - Silver/White		BYFQ60C3W1S					

Note: *¹ Nominal cooling capacities are based on the following conditions: 80°F DB / 67°F WB (26.7°C DB / 19.4°C WB) return air temperature; 95°F DB (35°C DB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

*² Nominal heating capacities are based on the following conditions: 70°F DB (21.1°C DB) return air temperature; 47°F DB / 43°F WB (8.3°C DB / 6.1°C WB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

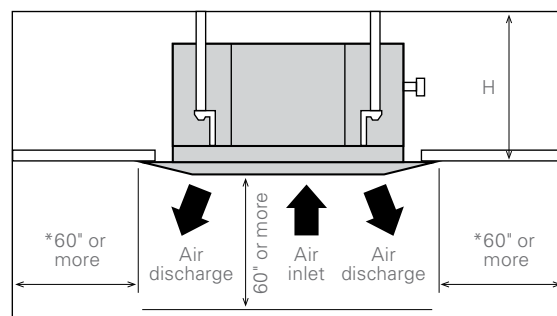
FXZQ_TB VJU ACCESSORIES

Model Name	FXZQ05TBVJU	FXZQ07TBVJU	FXZQ09TBVJU	FXZQ12TBVJU	FXZQ15TBVJU	FXZQ18TBVJU
Navigation Remote Controller*	BRC1NVR71/72					
DKN Cloud Wi-Fi Adaptor	AZAI6WSCDKA					
Madoka Remote Controller	BRC1H71W					
Button Sensor Kit	KRCSH2018-01					
Daikin ONE+ smart thermostat	DTST-CWBSA-NI-B					
DKN Plus Interface	AZAI6WSPDKC					
Daikin ONE Touch	DTST-TQU-A					
Infrared Remote Controller - White**	BRC082A42W					
Infrared Remote Controller - Silver**	BRC082A42S					
Space and Presence Sensor Kit - White**	BRYQ60AAW					
VISTA Decoration Panel - White	BYFQ60C3W2W					
Legacy MVJU9-style Decoration Panel	BYFQ60B3W1					
Remote Sensor Kit	KRCS01-6B					
Wiring Adaptor PCB (interface with aux heater, humidifier, OA damper/fan)	KRC1C75					
Long-Life Replacement Filter	KAFQ441BA60					
Sealing Member of Air Discharge Kit	BDBHQ44C60					
Fresh Air Intake Kit	KDDQ44XA60					

*Optional face plates to provide a more intuitive user interface and disable specific functions

**Not compatible with the legacy-style decoration panel

FXZQ_TB VJU-MVJU9 INSTALLATION SPACE



MODEL	HEIGHT
FXZQ05-18TAVJU	11.75" or more

*Leave 7-7/8" or more space on sides where the air outlet is closed.

FXEQ_PVJU

Ceiling-Mounted Cassette (Single Flow)



Condensate Pump
as Standard

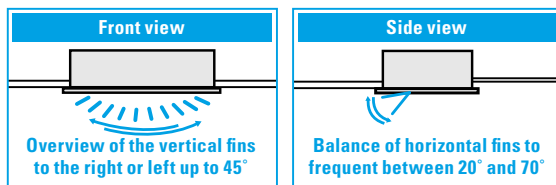
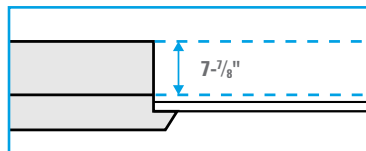
Outside Air
Integration Possible

Filter
Included

Slim and Compact Design for Installation Flexibility

Features and Benefits

- » The main body of the unit is optimized to be a compact design. Only 7-7/8" in height and a width of 18-1/2" making it possible to use this style of indoor unit in the tightest of spaces.
- » The innovative discharge air louver design forces air in heating mode to ground level to improve the overall space heating effect of the indoor unit.



- » The unit is equipped with both horizontal and vertical louvers that can be freely adjusted with the remote controller providing a capability to optimize the airflow and throw to suit your room design.
- » The utilization of both a DC-style Fan Motor and integrated Condensate Pump allow for improvements in energy consumption as well as lower operating sound levels than other styles of indoor units.
- » This Indoor unit can be set to 5 predetermined fan speeds using the BRC1NRV71/72 wired remote controller, which allows for optimum and comfortable airflow.



BRC1NRV71/72
(option)



AZAI6WSPDKC
(option)



AZAI6WSCDKA
(option)



BRC1H71W
(option)

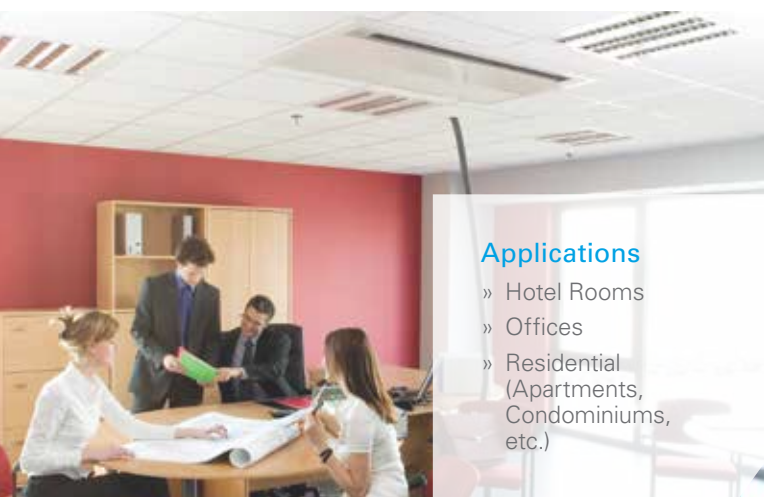
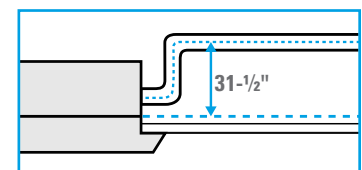


DTST-CWBSA-NI-B
(option)



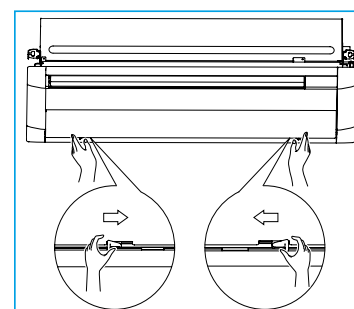
DTST-TOU-A
(option)

- » A Ventilation Air knock-out is provided to allow up to 15% of the rated airflow through the unit to be pretreated outside air.
- » The innovative "smooth finish" decoration panel design helps to minimize dust and dirt build-up and facilitates easier cleaning.
- » The Indoor Unit is equipped with a factory installed condensate pump with a lift capacity of up to 33-7/16" (measured from the bottom of the unit).
- » The units are equipped with customizable auxiliary heat control settings to facilitate the On/Off control of an external auxiliary heat solution.



Applications

- » Hotel Rooms
- » Offices
- » Residential (Apartments, Condominiums, etc.)



- » For ease of service and maintenance activities, it is possible to access the main components of the unit by only removing the decoration panel.

FXEQ_PVJU SPECIFICATIONS			0.6 TON	0.75 TON	1.0 TON	1.25 TON	1.5 TON	2 TON	
Model			FXEQ07PVJU	FXEQ09PVJU	FXEQ12PVJU	FXEQ15PVJU	FXEQ18PVJU	FXEQ24PVJU	
Power Supply			1 phase 60Hz 208/230V						
Cooling capacity	*1,*3	Btu/h	7500	9500	12000	15000	18000	24000	
Heating capacity	*2,*3	Btu/h	8500	10500	13500	17000	20000	27000	
Electrical	Min. circuit amps (MCA)	A	0.3	0.4	0.4	0.5	0.5	0.7	
	Max. overcurrent protection (MOP)	A	15	15	15	15	15	15	
Casing/color			Galvanized steel plate						
Dimensions: (H x W x D)		in.	7-7⁄8 x 18-½ x 33-1-1⁄16				7-7⁄8 x 18-½ x 48-13⁄16		
Fan	Type		Sirocco fan						
	Air flow rate (Dry coil)	Cooling (H/HM/M/ML/L)	CFM	212/191/173/155/141	244/226/205/187/170	283/265/247/223/194	346/311/276/247/219	441/403/367/336/307	530/481/431/389/346
	Drive		Direct-Drive						
Sound pressure level		Cooling (H/HM/M/ML/L)	dBA	30/29/28/27/26	32/31/30/29/28	35/34/33/32/30	38/37/35/33/31	38/37/35/33/31	43/41/39/37/35
Weight		lbs.	38			40	51		
Piping connections	Liquid	in.	ø ¼ (flare connection)						ø ⅜ (flare connection)
	Gas	in.	ø ½ (flare connection)						ø ⅝ (flare connection)
	Drain	in.	PVC26 (O.D. 1-1⁄32 x I.D. 13⁄16)						
Drain pump lift		in.	25						
Refrigerant control			Electronic expansion valve						
Connectable outdoor unit			R-410A V⁄RV series						
Decoration panel (required option)	Model		BYEP40AW1				BYEP63AW1		
	Color		Fresh White						
	Dimensions (H x W x D)		in.	3-3⁄16 x 21-⅝ x 37-13⁄32				3-3⁄16 x 21-⅝ x 53-5⁄32	
	Air filter		Resin net (with mold resistant)						
	Weight		lbs.	17.6				22	

Note: *1 Nominal cooling capacities are based on the following conditions: return air temperature: 80.0°F DB (26.7°C DB), 67.0°F WB (19.4°C WB), outdoor temperature: 95.0°F DB (35.0°C DB) equivalent ref. piping: 25ft. (7.6m) (Horizontal)

*2 Nominal heating capacities are based on the following conditions: return air temperature: 70.0°F DB (21.1°C DB), outdoor temperature: 47.0°F DB (8.3°C DB), 43.0°F DB (6.1°C WB) equivalent ref. piping: 25ft. (7.6m) (Horizontal)

*3 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

FXEQ_PVJU ACCESSORIES			FXEQ07PVJU	FXEQ09PVJU	FXEQ12PVJU	FXEQ15PVJU	FXEQ18PVJU	FXEQ24PVJU
Model			FXEQ07PVJU	FXEQ09PVJU	FXEQ12PVJU	FXEQ15PVJU	FXEQ18PVJU	FXEQ24PVJU
Decoration panel			BYEP40AW1					
Navigation Remote Controller			BRC1NRV71/72					
Madoka Remote Controller			BRC1H71W					
Button Sensor Kit			KRCSH2018-01					
Daikin ONE+ smart thermostat			DTST-CWBSA-NI-B					
DKN Plus Interface			AZAIGWSPDKC					
Daikin ONE Touch			DTST-T0U-A					
Remote sensor			KRCS01-4B					
Wiring adaptor printed circuit board		2	KRP1C75					
Group control adaptor printed circuit board		2	KRP4A74					
Adaptor mounting box			KRP1B101					

Note: *1 Electrical box (No.5-1/6-1) is required for controller (No. 5/6)

*2 Adaptor mounting box (No.12) is necessary.

FXEQ_PVJU INSTALLATION SPACE

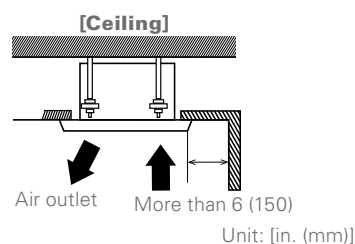
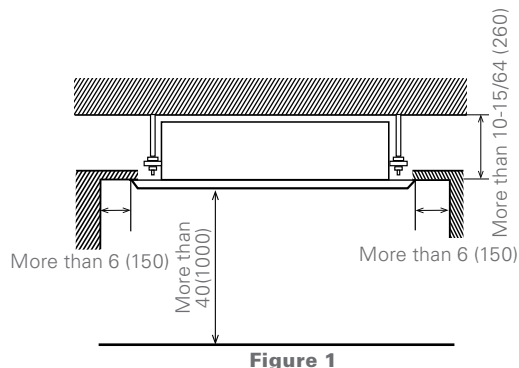


Figure 2

Unit: [in. (mm)]

FXHQ_MVJU

Ceiling-Suspended Unit



Optional
Condensate Pump



Filter
Included

Slim, Efficient, Quiet, Easy to Maintain

With its slim, elegant design, the FXHQ ceiling-suspended unit is a great fit for any light commercial space. Wide air openings provide a comfortable airflow and an innovative stream fan ensures quiet operation, making it ideal for retail stores, restaurants, classrooms and conference rooms.

Features and Benefits

- » One of our slimmest indoor units (less than 8") fits within any interior design
- » Wide air discharge outlet distributes a comfortable airflow throughout the entire space with throw of up to 25 ft.
- » Innovative stream fan technology keeps sound pressure levels low
- » Smooth flat louver design makes cleaning simple
- » Long-life filter is standard
- » Models range from 12 MBH to 36 MBH



BRC1NRV71/72
(option)



AZAI6WSDKA
(option)



BRC4C82
(option)



BRC1H71W
(option)



AZAI6WSPDKC
(option)



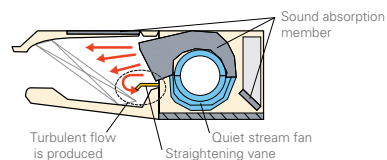
DTST-CWBSA-NI-B
(option)



DTST-TOU-A
(option)

Quiet Stream Fan (side view)

Uses the quiet stream fan and many more advanced technologies.



Applications

- » Retail/shops
- » Offices
- » Restaurants



FXHQ_MVJU SPECIFICATIONS			1 TON	2 TON	3 TON
Model Name			FXHQ12MVJU	FXHQ24MVJU	FXHQ36MVJU
Power Supply	V/ph/Hz			208-230/1/60	
Rated Cooling Capacity	BTU/h		12,000	24,000	36,000
Rated Heating Capacity	BTU/h		13,500	27,000	40,000
Airflow Rate (H/L)	CFM		410/340	710/600	830/670
Weight	lbs.		55	80	90
Height	in.			7-11/16	
Width	in.		37-13/16	55-1/8	62-5/8
Depth	in.			26-3/4	
Sound Pressure (H/L)	dB(A)		42/33	44/36	46/41
Condensate Pipe Connection	in. O.D.			1	
Pipe Connections	Gas	in.	1/2 (Flare)	5/8 (Flare)	
	Liquid	in.	1/4 (Flare)	3/8 (Flare)	
Refrigerant				R-410A	
Refrigerant Control				Electronic Expansion Valve	
Maximum Overcurrent Protective Device	A			15	
Minimum Circuit Amps	A		0.8	1.0	1.4
Protection Devices				Fuse and Fan Motor Thermal Protector	
External Finish				White Casing	
Standard Filter Type				Resin Net (with Mold Resistant)	

Nominal Conditions:**Cooling Mode**

Indoor: 80°F DB / 67°F WB

Outdoor: 95°F DB

Pipe Length: 25 ft.

Level Difference: 0 ft.

Heating Mode

Indoor: 70°F DB

Outdoor: 47°F DB / 43°F WB

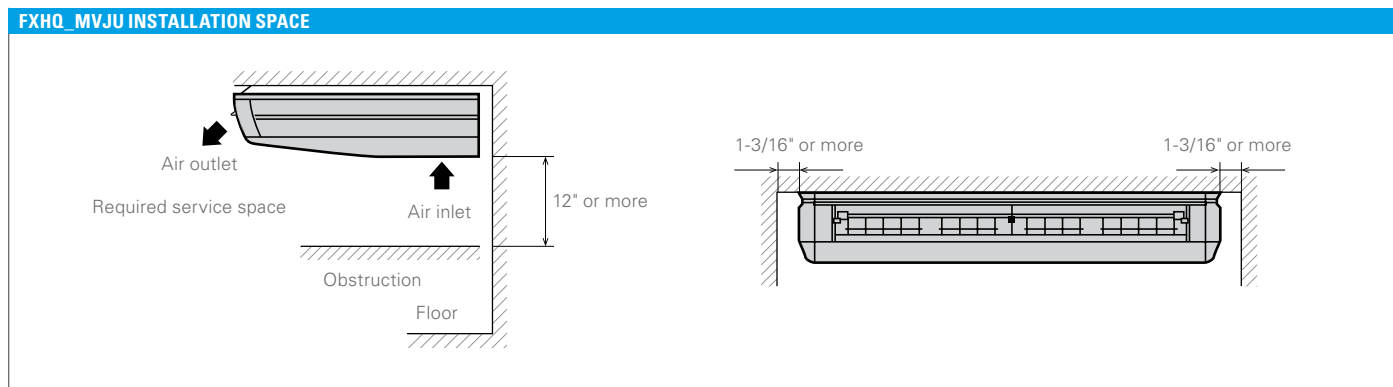
Pipe Length: 25 ft.

Level Difference: 0 ft.

Note: Specifications are subject to change without notice.

FXHQ_MVJU ACCESSORIES			
Model Name	FXHQ12MVJU	FXHQ24MVJU	FXHQ36MVJU
Navigation Remote Controller*		BRC1NRV1/72	
DKN Cloud Wi-Fi Adaptor		AZAIGWSCDKA	
Madoka Remote Controller		BRC1H71W	
Button Sensor Kit		KRCSH2018-01	
Daikin ONE+ smart thermostat		DTST-CWBSA-NI-B	
DKN Plus Interface		AZAIGWSPDKC	
Daikin ONE Touch		DTST-TQU-A	
Wireless Remote Controller		BRC7E83	
Remote Sensor Kit		KRCS01-1B	
Wiring Adaptor PCB (interface with aux/primary heater, humidifier, OA damper/fan)		KRP1C74	
Group Control Adaptor PCB (connects to external BMS)		KRP4A72	
Replacement long-life filter	KAFJ501D56	KAFJ501D112	KAFJ501D160
Condensate Pump		DACA-CP3-1	

* Optional face plates available to provide a more intuitive user interface and disable specific functions



FXAQ_PVJU

Wall-Mounted Unit



Optional
Condensate Pump

Filter
Included

Stylish, Compact, Convenient, Comfortable

Daikin's wall-mounted units are ideal for cooling or heating smaller zones such as stores, offices, and restaurants. The compact, stylish design lets the unit blend discreetly into any interior design, and airflow can be supplied in any of five different directions and easily programmed via remote control.

Features and Benefits

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



BRC1NRV71/72
(option)



AZAI6WSCDKA
(option)



BRC4C82
(option)



BRC1H71W
(option)



AZAI6WSPDKC
(option)



DTST-CWBSA-NI-B
(option)



DTST-TOU-A
(option)

Applications

- » Retail
- » Restaurants
- » Offices
- » Hotels
- » Multi-family residences



FXAQ_PVJU SPECIFICATIONS			0.6 TON	0.75 TON	1 TON	1.5 TON	2 TON
Model Name			FXAQ07PVJU	FXAQ09PVJU	FXAQ12PVJU	FXAQ18PVJU	FXAQ24PVJU
Power Supply		V/ph/Hz	208-230/1/60				
Rated Cooling Capacity		BTU/h	7,500	9,500	12,000	18,000	24,000
Rated Heating Capacity		BTU/h	8,500	10,500	13,500	20,000	27,000
Airflow Rate (H/L)		CFM	260/160	280/175	290/180	500/400	635/470
Weight		lbs.	26			31	
Height		in.	11-3/8				
Width		in.	31-1/4			41-3/8	
Depth		in.	9				
Sound Pressure (H/L)		dB(A)	36/31	37/31	38/31	43/37	47/41
Condensate Pipe Connection		in. O.D.	11/16				
Pipe Connections	Gas	in.	1/2 (Flare)				5/8 (Flare)
	Liquid	in.	1/4 (Flare)				3/8 (Flare)
Refrigerant			R-410A				
Refrigerant Control			Electronic Expansion Valve				
Maximum Overcurrent Protective Device		A	15				
Minimum Circuit Amps		A	0.4			0.5	0.6
Protection Devices			Fuse and Fan Motor Thermal Protector				
External Finish			White Casing				
Standard Filter Type			Resin Net (washable)				

Nominal Conditions:**Cooling Mode**

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

Heating Mode

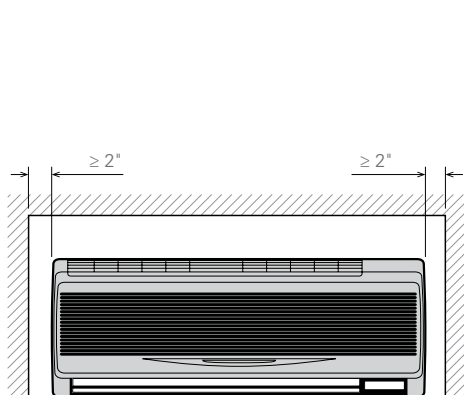
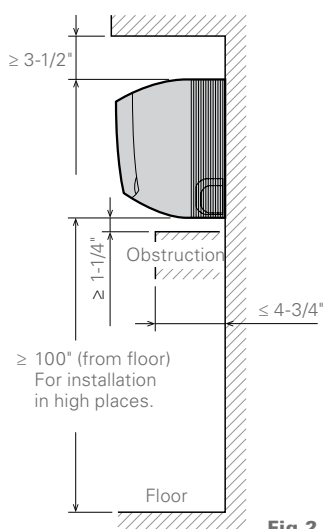
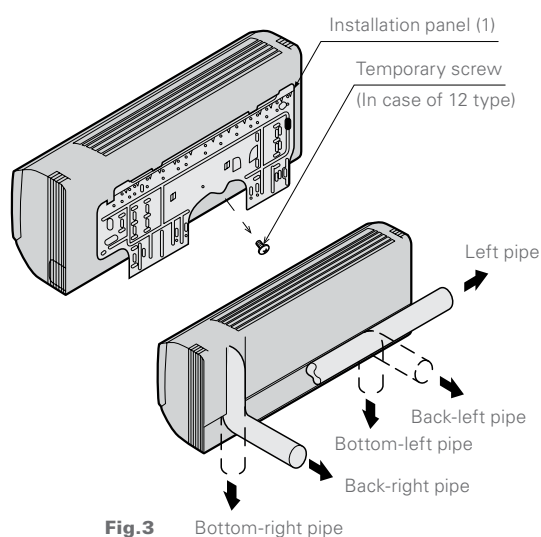
Indoor: 70°F DB
 Outdoor: 47°F DB / 43°F WB
 Pipe Length: 25 ft.
 Level Difference: 0 ft.

Note: Specifications are subject to change without notice.

FXAQ_PVJU ACCESSORIES

Model Name	FXAQ07PVJU	FXAQ09PVJU	FXAQ12PVJU	FXAQ18PVJU	FXAQ24PVJU
Navigation Remote Controller*			BRC1NRV71/72		
DKN Cloud Wi-Fi Adaptor			AZA16WSDKA		
Madoka Remote Controller			BRC1H71W		
Button Sensor Kit			KRCSH2018-01		
Daikin ONE+ smart thermostat			DTST-CWBSA-NI-B		
DKN Plus Interface			AZA16WSPDKC		
Daikin ONE Touch			DTST-TOU-A		
Wireless Remote Controller			BRC7E818		
Remote Sensor Kit			KRCS01-1B		
Group Control Adaptor PCB (Connects to external BMS)			KRP4A71		
Condensate Pump			DACA-CP1-1		

* Optional face plates available to provide a more intuitive user interface and disable specific functions

FXAQ_PVJU INSTALLATION SPACE**Fig.1****Fig.2****Fig.3**

FXLQ_MVJU9

Floor-Standing Unit



Filter
Included

Versatile, Logical, Durable, Quiet

The ideal way to save space, our floor-standing units can easily be installed along a perimeter wall. The air distribution from these models will allow you to find the right balance for classrooms, churches, office hallways or similar spaces.

Features and Benefits

- » Ideal for installation beneath a window
- » Unit requires minimal installation space
- » Fitted with a washable long-life filter
- » Remote-control options available
- » Space-saving unit can be freestanding or wall-mounted
- » Models range from 7.5 MBH to 24 MBH



BRC1NRV71/72
(option)



AZAI6WSCDKA
(option)



BRC4C82
(option)



BRC1H71W
(option)



AZAI6WSPDKC
(option)



DTST-CWBSA-NI-B
(option)



DTST-TOU-A
(option)

Applications

- » Multi-family residences
- » Single-family residences
- » Churches
- » Historic buildings
- » Schools
- » Offices



FXLQ_MVJU9 SPECIFICATIONS			0.6 TON		0.75 TON		1 TON		1.5 TON		2 TON		
Model Name			FXLQ07MVJU9		FXLQ09MVJU9		FXLQ12MVJU9		FXLQ18MVJU9		FXLQ24MVJU9		
Power Supply		V/ph/Hz	208-230/1/60										
Rated Cooling Capacity		BTU/h	7,500		9,500		12,000		18,000		24,000		
Rated Heating Capacity		BTU/h	8,500		10,500		13,500		20,000		27,000		
Airflow Rate (H/L)		CFM	245/210					280/210		490/380		560/420	
Weight		lbs.	58					66		80			
Height		in.	23-5/8										
Width		in.	39-3/8					44-7/8		55-7/8			
Depth		in.	8-3/4										
Sound Pressure (H/L)		dB(A)	35/32					36/33		40/35		41/36	
Condensate Pipe Connection		in. O.D.	27/32										
Pipe Connections	Gas	in.	1/2 (Flare)									5/8 (Flare)	
	Liquid	in.	1/4 (Flare)									3/8 (Flare)	
Refrigerant			R-410A										
Refrigerant Control			Electronic Expansion Valve										
Maximum Overcurrent Protective Device		A	15										
Minimum Circuit Amps		A	0.3					0.5		0.6			
Protection Devices			Fuse and Fan Motor Thermal Protector										
External Finish			Ivory White Casing										
Standard Filter Type			Resin Net (with Mold Resistant)										

Nominal Conditions:**Cooling Mode**

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

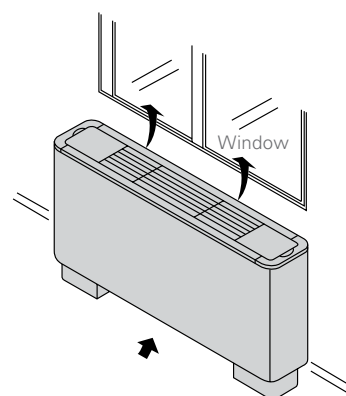
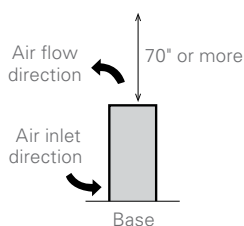
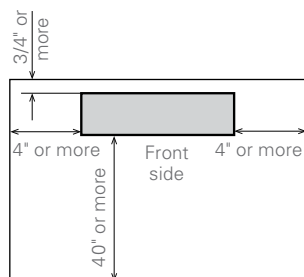
Heating Mode

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

Note: Specifications are subject to change without notice

FXLQ_MVJU9 ACCESSORIES						
Model Name	FXLQ12MVJU9	FXLQ18MVJU9	FXLQ24MVJU9	FXNQ12MVJU9	FXNQ18MVJU9	FXNQ24MVJU9
Navigation Remote Controller*	BRC1NRV71/72					
DKN Cloud Wi-Fi Adaptor	AZAI6WSCDKA					
Madoka Remote Controller	BRC1H71W					
Button Sensor Kit	KRCSH2018-01					
Daikin ONE+ smart thermostat	DTST-CWBSA-NI-B					
DKN Plus Interface	AZAI6WSPDKC					
Daikin ONE Touch	DTST-TOU-A					
Wireless Remote Controller	BRC4C82					
Remote Sensor Kit	KRCS01-1B					
Wiring Adaptor PCB (interface with aux/primary heater, humidifier, OA damper/fan)	KRP1C74					
Group Control Adaptor PCB (connects to external BMS)	KRP4A71					

* Optional face plates available to provide a more intuitive user interface and disable specific functions

FXLQ_MVJU9 INSTALLATION SPACE

FXFA_AAVJU (R-32)

Round Flow Sensing Cassette



Condensate Pump
as Standard



Outside Air
Integration Possible



Filter
Included



Optional
Auto Cleaning Filter



Surface & Occupancy
Sensor Kit as Standard

R32

Adaptive Comfort Control

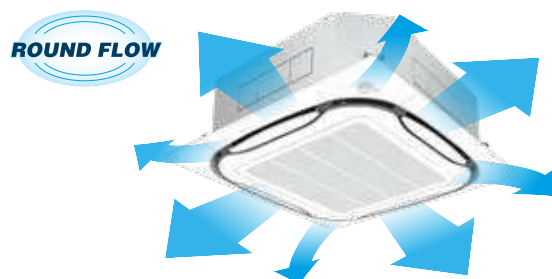
The *Round Flow Sensing Cassette* is ideal for open-plan applications such as classrooms and offices where adaptive comfort control is preferred. The unit provides excellent comfort, energy efficiency, and flexibility due to innovative control functions based on input from three room sensors (occupancy, air temperature, and surface temperature). With 18 configurable airflow distribution patterns, it can be efficient and provide a comfortable environment in smaller, more intricate spaces as well.

Low GWP R-32 Refrigerant

Aligning with Daikin's goals of decarbonization, sustainability, and advancement towards clean energy, FXFA models feature Low GWP R-32 refrigerant. Widely used and proven globally, readily available, efficient, and affordable, R-32 is an ideal choice to replace R-410A. R-32 is a single component refrigerant offering simplicity and flexibility in charging, and reclaiming.

All R-32 VRV indoor units feature:

- » Factory-installed integrated refrigerant leak sensor
- » Dispersion Mode: Higher airflow rate for leak mitigation through circulation
- » On-board terminal for connection to external alarms and monitoring systems



BRC1NRV71/72



AZAI6WSPDKC
(option)



DTST-CWBSA-NI-B
(option)



DTST-TOU-A
(option)

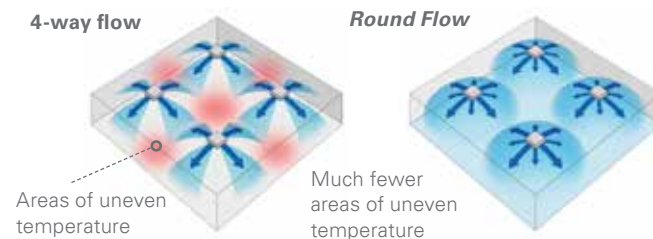
Features and Benefits:

Capacity range from 0.6 TO 4.5 Tons

- » True 360° Airflow with three room sensors enabling optimal occupant comfort and efficiency.
- » Application flexibility with 18 different airflow patterns ensures ideal air distribution to maximize comfort and efficiency.
- » Ease of outside air integration with optional fresh air intake kit
- » Energy efficient with DC fan motor and auto-logic that adjusts fan speed based on space load

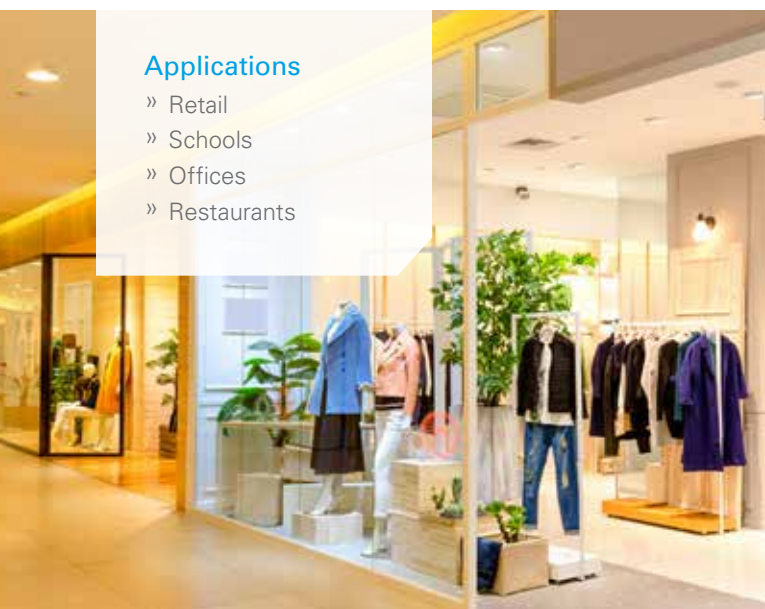
4-way flow vs. Round Flow

Round Flow Ceiling Mounted Cassette type offers 360° airflow with improved temperature distribution.



Applications

- » Retail
- » Schools
- » Offices
- » Restaurants



Advanced design for comfort and efficiency

Heat Exchanger Design

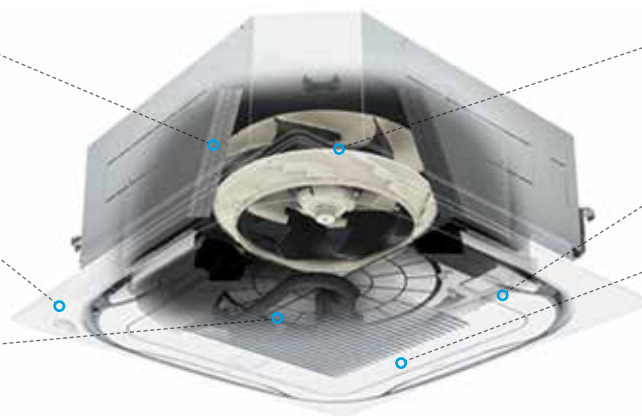
Optimized for part load operation
— great enhancement to
seasonal energy efficiency

Occupancy and Surface Temperature Sensors

Enables additional energy
savings and increased
comfort

Optional Self-Cleaning Filter Panel

Provides optimum efficiency, airflow
and reduced maintenance



DC Fan Motor

Very efficient — enables fan
auto logic based on ΔT set point

DC Drain Pump

Low power consumption

Decoration Panel

- » Efficient due to large air discharge outlets
- » Unique 360° airflow distribution
- » 4 individually controlled louvers enables optimized comfort in the space
- » Possibility to close 1, 2 or 3 louvers adds flexibility

Automatic air-direction control



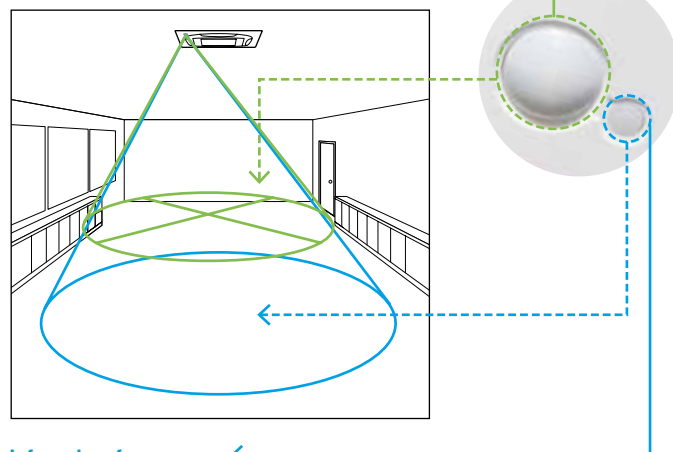
Air flow from the indoor unit is automatically adjusted to always maintain a comfortable environment — even when occupancy changes.

Dual infrared sensors

Sensors detect the presence of people and surface temperature to provide comfortable air-conditioning and energy savings.

Infrared presence sensor

The sensor detects human presence, and energy saving control can be performed when no people are detected.



Infrared surface sensor

The sensor detects the surface temperature and automatically adjusts operation of the indoor unit to reduce the temperature difference between the ceiling and the floor.

FXFA_AAVJU (R-32) (cont.) Round Flow Sensing Cassette



Condensate Pump
as Standard



Outside Air
Integration Possible



Filter
Included

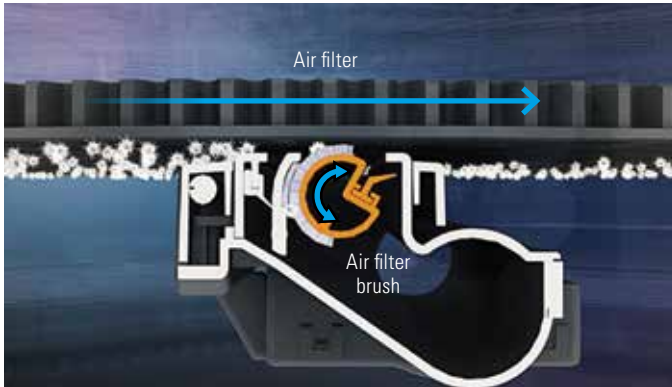


Optional
Auto Cleaning Filter

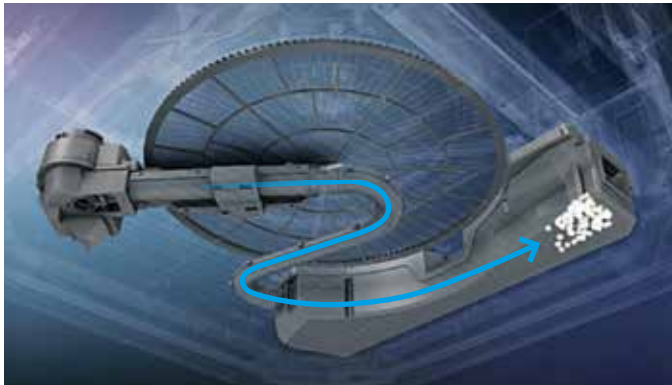


Surface & Occupancy
Sensor Kit as Standard

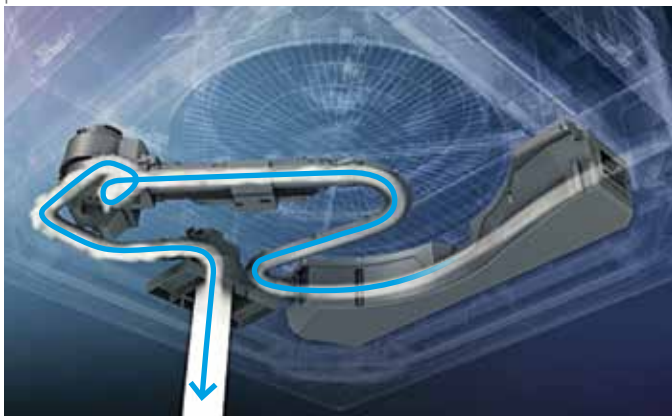
Automatic air filter cleaning (optional)



At the programmed time, the air filter rotates while the air filter brush turns back and forth to brush the filter.



Dust from the air filter brush is deposited into the dust collection container during the fully automatic self-cleaning process.



When indicated, the dust container in the unit is easily emptied with a standard vacuum cleaner.



FXFA_AAVJU SPECIFICATIONS			0.60 TON	0.75 TON	1 TON	1.25 TON	1.5 TON	2 TON	2.5 TON	3 TON	4 TON	4.5 TON
Model Name			FXFA07AAVJU	FXFA09AAVJU	FXFA12AAVJU	FXFA15AAVJU	FXFA18AAVJU	FXFA24AAVJU	FXFA30AAVJU	FXFA36AAVJU	FXFA48AAVJU	FXFA54AAVJU
Power Supply		(V/ph/Hz)	208-230/1/60									
Rated Cooling Capacity		BTU/h	7,200	9,500	12,000	14,400	18,000	23,000	30,000	36,000	48,000	54,000
Rated Heating Capacity		BTU/h	8,500	10,500	13,500	17,000	20,000	27,000	34,000	40,000	48,000	60,000
Refrigerant			R-32									
Refrigerant Control			Electronic Expansion Valve									
Airflow Rate H/M/L		CFM	441/406/353			512/459/388	547/477/388	777/618/477	1059/882/671	1253/918/671	1253/971/741	1253/1006/741
Unit Weight		lbs	42					51		58		
Unit Height		in.	9-11⁄16							11-5⁄16		
Unit Width		in.	33-1⁄16									
Unit Depth		in.	33-1⁄16									
Sound Pressure H/M/L		dB(A)	30/28.5/27			31/29/27	35.5/32/28	36/32/28	43.5/38/32	44/38/32	45/40/35	47/41/36
Unit Condensate Connection		in. O.D.	1-¼									
Condensate Pump Lift		in.	33-½									
Pipe Connections	Gas	in.	½ (Flare)					⅝ (Flare)				
	Liquid	in.	¼ (Flare)					⅜ (Flare)				
External Finish			Galvanized Steel Plate									
Protection Devices			Fuse/Breaker									
			Fan Motor Thermal Protector									
Recommended Fuse/Breaker		A	15									
Standard Filter Type			Mold-Resistant Resin Net									

Nominal Conditions:**Cooling Mode**

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

Heating Mode

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

Note: Specifications are subject to change without notice.

FXFA_AAVJU ACCESSORIES WITH:

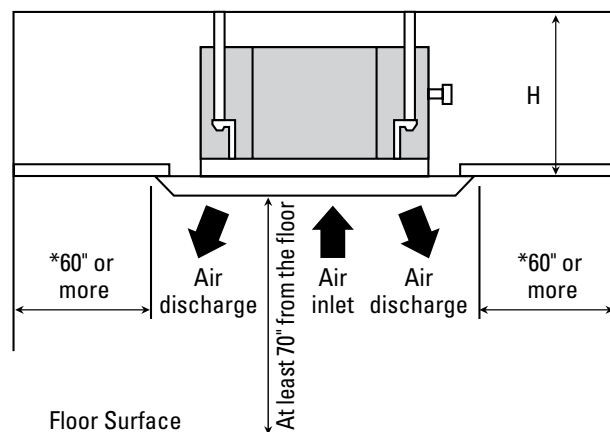
Accessory	Item #	Self-Cleaning Filter Panel (BYCQ54EEGFU)	Standard Sensing Decoration Panel (BYCQ54EEFU)
Navigation Remote Controller	BBRC1NRV71	Yes ¹	Yes ¹
Remote Sensor Kit	KRCS01-6B	Yes	Yes
Outside Air Intake Kit	KAF555D160	-	Yes
Long-Life Replacement Air Filter	KAF5511D160	-	Yes
Panel Spacer	KDBP55H160FA	Yes	Yes

¹ No sensing functions available

² Optional face plates available to provide a more intuitive user interface and disable specific functions

Features and Benefits (cont.)

- » Optional self-cleaning filter panel to further increase efficiency and reduce maintenance costs, when used in VRV systems
- » Increased indoor air quality with high efficiency filter options and ventilation connection kit
- » Compact design to allow for installation in small ceiling voids Sound pressure levels as low as 27 db(A)

FXFQ INSTALLATION SPACE

MODEL	HEIGHT
FXFA07-24AAVJU	11"
FXFA30-54AAVJU	12" or more

* Leave 7 7/8" or more space on sides where the air outlet is closed.

FXMA_AAVJU (R-32)

Ducted Concealed Unit



Condensate Pump
as Standard

Outside Air
Integration Possible



Drain Pan
Inspection Port

Auto Fan Speed
Control

R32

Powerful. Concealed. Flexible

Daikin's FXMA HSP Concealed Ducted unit offers design flexibility for many applications. Its compact design with a short chassis height of only 9-11/16" (245 mm) allows for installation in confined spaces. The high-efficiency DC fan motor delivers nominal CFM at up to 0.8" external static pressure. A selectable Auto fan** speed control automatically adjusts the fan speed in response to the room temperature to deliver ideal comfort and help reduce fan energy use.

Low GWP R-32 Refrigerant

Aligning with Daikin's goals of decarbonization, sustainability, and advancement towards clean energy, FXMA models feature Low GWP R-32 refrigerant. Widely used and proven globally, readily available, efficient, and affordable, R-32 is an ideal choice to replace R-410A. R-32 is a single component refrigerant offering simplicity and flexibility in charging and reclaiming.

All R-32 VRV indoor units feature:

- » Factory-installed integrated refrigerant leak sensor
- » Dispersion Mode: Higher airflow rate for leak mitigation through circulation
- » On-board terminal for connection to external alarms and monitoring systems



BRC1NRV71/72



AZAI6WSPDKC
(option)



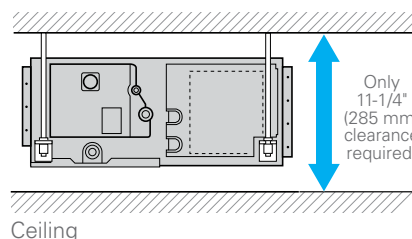
DTST-CWBSA-NI-B
(option)



DTST-TOU-A
(option)

Features and Benefits:

- » DC fan motor efficiently provides nominal CFM at up to 0.8" W.G.
- » Installation flexibility with a low profile, compact design at less than 12" in height.
- » Reduced risk of condensation on air vents with minimal discharge air temperature setting.
- » Efficient operation using Variable Refrigerant Temperature (VRT).
- » Innovative economizer control logic.
- » Enhance indoor air quality (and LEED® ready) with MERV 13 filter options.
- » Ease of installation with auto-adjusting airflow at commissioning based on external static pressure.
- » Provides a high degree of control for auxiliary heating devices, with independently configurable on/off temperature values.
- » Easy maintenance with complete service access from below. Alternatively the installer can manually select a fan curve with the wired remote control.

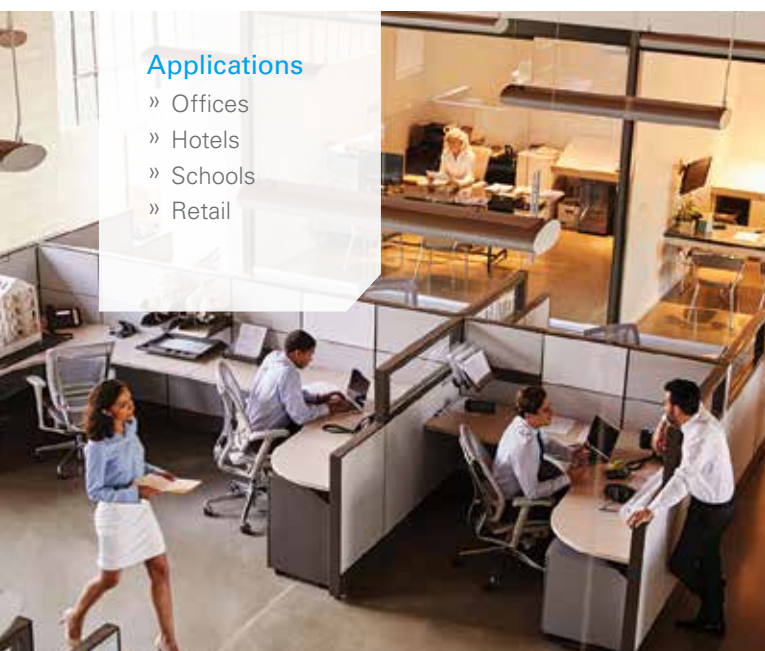


Dust from the air filter brush is deposited into the dust collection container during the fully automatic self-cleaning process.

When indicated, the dust container in the unit is easily emptied with a standard vacuum cleaner.

Applications

- » Offices
- » Hotels
- » Schools
- » Retail



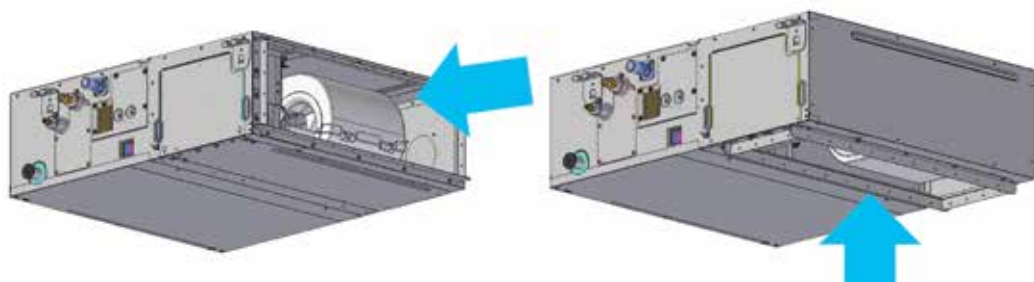
FXMA_AAVJU SPECIFICATIONS			1.25 TON	1.5 TON	2.0 TON	2.5 TON	3.0 TON	4.0 TON	4.5 TON
Model Name			FXMA15AAVJU	FXMA18AAVJU	FXMA24AAVJU	FXMA30AAVJU	FXMA36AAVJU	FXMA48AAVJU	FXMA54AAVJU
Power Supply		V/ph/Hz	Single-phase 208/230V 60Hz						
Rated Cooling Capacity		BTU/h	14,200 (4.2)	18,000 (5.3)	24,000 (7.0)	30,000 (8.8)	36,000 (10.6)	48,000 (14.1)	57,000 (16.7)
Rated Heating Capacity		BTU/h	17,000 (5.0)	20,000 (5.9)	27,000 (7.9)	34,000 (10.0)	40,000 (11.7)	54,000 (15.8)	63,000 (18.5)
Airflow Rate (H/M/L)		SCFM (M3/MIN)	560/447/406	635/565/512	742/635/565	1094/847/795	1130/953/795	1377/1130/918	1518/1235/989
		(m3/min)	(15.8/12.7/11.5)	(18.0/16.0/14.5)	(21.0/18.0/16.0)	(31.0/24/22.5)	(32.0/27.0/22.5)	(39.0/32.0/26.0)	(43.0/35.0/28.0)
Height		in.	9-11/16						
Width		in.	39-3/8			55-1/8			61
Depth		in.	31-1/2						
Condensate Pump Lift		in.	25-5/16						
Sound Level (Reference) *		Power dB(A)	65	64	67	71	72	76	80
		Pressure dB(A)	37/34/31	36/34/32	39/35/33	43/38/36	44/40/36	48/44/39	52/47/42
Weight		lbs (kg)	77 (35)		82 (37)	101 (46)		104 (47)	115 (52)
Condensate Pipe Connection		in. O.D.	VP25						
Pipe Connections	Gas	in. (mm)	ø1/4 (ø6.4) (Flare)			ø3/8 (ø9.5) (Flare)			
	Liquid	in. (mm)	ø1/2 (ø12.7) (Flare)			ø5/8 (ø15.9) Flare			
Refrigerant			R-32						
Refrigerant Control			Electronic Expansion Valve						
Maximum Overcurrent Protective Device		A	15						
Minimum Circuit Amps		A	1.8	1.9		3	3.1	3.6	
Protection Devices			Fuse and Fan Driver Overload Protector						
External Finish			Galvanized Steel Plate						
External Static Pressure (H/L)		in. W.G.	0.80/0.20						0.56/0.20

* The sound power levels are based on ISO9614 and the sound pressure levels are based on JIS B 8616.

FXMA_AAVJU ACCESSORIES							
Model Name	FXMA15AAVJU	FXMA18AAVJU	FXMA24AAVJU	FXMA30AAVJU	FXMA36AAVJU	FXMA48AAVJU	FXMA54AAVJU
Navigation Remote Controller*	BRC1NRV71						
Remote Sensor Kit	KRCS01-6B						
Group Control Adapter PCB (connects to external BMS)	KRP4A71						

* Optional face plates available to provide a more intuitive user interface and disable specific functions

FXMQ-PBVJU INSTALLATION SPACE



Applications:



OFFICE



HOTELS



RETAIL



SCHOOLS

FXSA_AAVJU (R-32) MSP Concealed Ducted Unit



Condensate Pump
as Standard



Outside Air
Integration Possible



Drain Pan
Inspection Port



Auto Fan Speed
Control

R32

Compacte. Powerful. Comfortable.

Daikin's FXSA MSP Concealed Ducted unit offers designers a solution for navigating restrictive application setups. It features a high-efficiency DC fan motor that delivers nominal CFM up to a 0.6" external static pressure from within a compact body that requires only 11-1/4" of clearance space. Additionally, it includes a selectable Auto fan* speed control feature that intelligently modifies the fan speed based on room temperature, enhancing comfort while minimizing fan energy consumption.

Low GWP R-32 Refrigerant

Aligning with Daikin's goals of decarbonization, sustainability, and advancement towards clean energy, FXSA models feature Low GWP R-32 refrigerant. Widely used and proven globally, readily available, efficient, and affordable, R-32 is an ideal choice to replace R-410A. R-32 is a single component refrigerant offering simplicity and flexibility in charging, and reclaiming.

All R-32 VRV indoor units feature:

- » Factory-installed integrated refrigerant leak sensor
- » Dispersion Mode: Higher airflow rate for leak mitigation through circulation
- » On-board terminal for connection to external alarms and monitoring systems

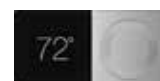
* Refer to the installation manual for all installation clearance requirements.



BRC1NRV71/72



AZAI6WSPDKC
(option)



DTST-CWBSA-NI-B
(option)



DTST-TOU-A
(option)

Features and Benefits:

- » Design for installation flexibility, with a factory rear-return configuration and field convertible to bottom return configuration.
- » Slender design requires only 11-1/4" clearance in ceiling space, allowing for installation in cramped applications.
- » Ease of installation with auto-adjusting airflow at commissioning based on external static pressure.
- » Powerful static pressure capability, with up to 0.6 in.w.g. (150Pa) external static pressure.
- » Enhanced comfort and humidity control with dehumidification cooling operation.
- » Minimal discharge air temperature settings help lower the risk of condensation on air vents.
- » Efficient operation using Variable Refrigerant Temperature (VRT).
- » Sound levels as low as 28 dB(A) for quiet operation.
- » Includes a high degree of control for auxiliary heating devices, with independently configurable on/off temperature values.
- » Integral condensate pump with up to 25-5/16" (643mm) of lift from the drain outlet.
- » A maintenance-friendly inspection port lets contractors quickly check the drain pan's conditions.
- » Provides a high degree of control for auxiliary heating devices, with independently configurable on/off temperature values.
- » Integral condensate pump with up to 25-5/16" (643mm) of lift from the drain outlet

Applications

- » Offices
- » Hotel Rooms
- » Multi-family residences
- » Single-family residences
- » Schools

SPECIFICATIONS			0.5 TON	0.6 TON	0.75 TON	1.0 TON	1.25 TON	1.5 TON
Model Name			FXSA05AAVJU	FXSA07AAVJU	FXSA09AAVJU	FXSA12AAVJU	FXSA15AAVJU	FXSA18AAVJU
Capacity Index			5.8	7.5	9.5	12	15	18
Power Supply		V/ph/Hz	208/230VAC, 60Hz, 1 phase					
Nominal Cooling Capacity*1		Btu/h (kW)	5,800 (1.7)	7,200 (2.1)	9,500 (2.8)	12,000 (3.5)	15,000 (4.4)	18,000 (5.3)
Nominal Heating Capacity*2		Btu/h (kW)	6,500 (1.9)	8,500 (2.5)	10,500 (3.1)	13,500 (4.0)	17,000 (5.0)	20,000 (5.9)
Fan	Type		Sirocco fan					
	Motor Output	W	78				130	230
	Air Flow Rate (H/M/L)	CFM	281 / 265 / 230		318 / 265 / 230	335 / 283 / 247	530 / 441 / 371	600 / 512 / 406
	Drive Type		DC Direct Drive					
	External Static Pressure (Std./Max)		0.2 / 0.6				0.4 / 0.6	
Height		in. (mm)	9-11/16					
Width		in. (mm)	21-11/16				27-9/16	39-3/8
Depth		in. (mm)	31-1/2					
Weight (net)		lb. (kg)	55 (25)				60 (27)	77 (35)
Condensate Pump Lift		in. (mm)	25-5/16 (643)					
Sound Pressure Level (H/M/L speed)		dB(A)	33 / 30 / 28			34 / 32 / 30	36 / 33 / 30	34 / 32 / 29
Pipe Connections	Liquid	in.	1/4 (Flare)					
	Gas	in.	1/2 (Flare)					
	Condensate Drain	in.	VP25					
Refrigerant			R32					
Refrigerant Control			Electronic Expansion Valve					
Maximum Overcurrent Protection Device		A	15				1.4	1.6
Minimum Circuit Ampacity		A	0.8				1.4	1.6
SPECIFICATIONS			2.0 TON	2.5 TON	3.0 TON	4.0 TON	4.5 TON	
Model Name			FXSA24AAVJU	FXSA30AAVJU	FXSA36AAVJU	FXSA48AAVJU	FXSA54AAVJU	
Capacity Index			24	30	36	48	54	
Power Supply		V/ph/Hz	208/230VAC, 60Hz, 1 phase					
Nominal Cooling Capacity*1		Btu/h (kW)	24,000 (7.0)	30,000 (8.8)	36,000 (10.6)	48,000 (14.1)	54,000 (15.8)	
Nominal Heating Capacity*2		Btu/h (kW)	27,000 (7.9)	34,000 (10.0)	40,000 (11.7)	54,000 (15.8)	60,000 (17.6)	
Fan	Type		Sirocco fan					
	Motor Output	W	230			300		350
	Air Flow Rate (H/M/L)	CFM	742 / 618 / 512	812 / 689 / 565	1130 / 953 / 795	1307 / 1112 / 918	1377 / 1183 / 989	
	Drive Type		DC Direct Drive					
	External Static Pressure (Std./Max)		0.2 / 0.6				0.2 / 0.56	
Height		in. (mm)	9-11/16					
Width		in. (mm)	39-3/8			55-1/8		61
Depth		in. (mm)	31-1/2					
Weight (net)		lb. (kg)	77 (35)	82 (37)	101 (46)	104 (47)	115 (52)	
Condensate Pump Lift		in. (mm)	25-5/16 (643 mm)					
Sound Pressure Level (H/M/L speed)		dB(A)	36 / 32 / 29	37.5 / 34 / 30	39 / 35 / 32	42 / 38.5 / 35	43 / 40 / 36	
Pipe Connections	Liquid	in.	3/8 (Flare)					
	Gas	in.	5/8 (Flare)					
	Condensate Drain	in.	VP25					
Refrigerant			R32					
Refrigerant Control			Electronic Expansion Valve					
Maximum Overcurrent Protection Device		A	15					
Minimum Circuit Ampacity		A	1.8		2.5	2.8	3.3	

Notes: *1 Nominal cooling capacities are based on the following conditions: 80°F DB / 67°F WB (26.7°C DB / 19.4°C WB) return air temperature; 95°F DB (35°C DB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

*2 Nominal heating capacities are based on the following conditions: 70°F DB (21.1°C DB) return air temperature; 47°F DB / 43°F WB (8.3°C DB / 6.1°C WB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

Capacity Range: 0.5 to 4.5 tons Applications:



OFFICE



HOTELS



RESIDENTIAL



SCHOOLS

Flexible Installation.

The FXSA can easily be converted to a bottom-return configuration to optimize the use of space above the ceiling or bulkhead space.



FXTA_AAVJU (R-32) Multi-Position Air Handling Unit



Outside Air
Integration
Possible



All
Aluminum
Coil



Variable
Speed
ECM Motor



R32

Outstanding flexibility and performance

The FXTA air handler features full multi-position* flexibility to meet the most demanding installation conditions. With its compact and space-saving design at under 46" tall and only 17-1/2" wide up to 3 tons, the FXTA is an ideal choice for tight closet spaces. The FXTA is also designed for zero clearance on three sides and only 24" clearance on the front side for service facilitating installation in restricted spaces.

Low GWP R-32 Refrigerant

Aligning with Daikin's goals of decarbonization, sustainability, and advancement towards clean energy, FXTA models feature Low GWP R-32 refrigerant. Widely used and proven globally, readily available, efficient, and affordable, R-32 is an ideal choice to replace R-410A. R-32 is a single component refrigerant offering simplicity and flexibility in charging, and reclaiming.

All R-32 VRV indoor units feature:

- » Factory-installed integrated refrigerant leak sensor
- » Dispersion Mode: Higher airflow rate for leak mitigation through circulation
- » On-board terminal for connection to external alarms and monitoring systems

Features and Benefits:

- » This full multi-position air handler can upflow, downflow*, horizontal right, and horizontal left installation.
- » High efficiency, ECM motor powers the fan to deliver nominal CFM at up to 0.9" w.g. static.
- » The auto fan speed setting automatically adjusts the fan speed through 5 steps based on the load in the space.
- » Broad line up of electric heat (field installed) options from 3kW to 25kW.

- » Auxiliary heat logic features a reduced heater operation deadband and the ability to run heat pump and auxiliary heat for maximum comfort and performance in colder climates. The auxiliary heat can be interlocked with the ambient temperature sensed by the outdoor unit.
- » Designed with less than 2% air leakage when tested in accordance with ASHRAE standard 193.
- » Easy integration with third-party accessories such as a humidifier or economizer with on-board contacts.
- » Sound levels as low as 36 dBA for operation in sound-sensitive environments
- » Optional factory-installed disconnect (Built-to-order — model FXTA_AAVJUA(D)).



BRC1NRV71/72



AZA16WSPDKC
(option)



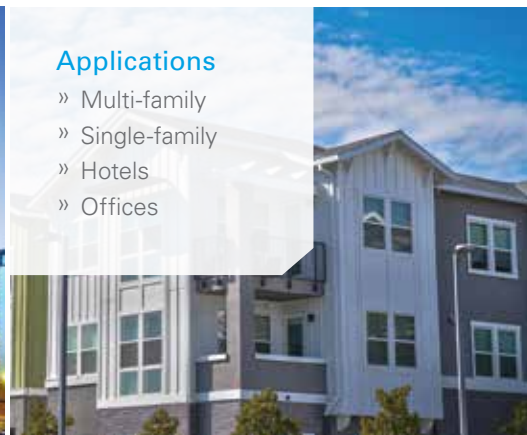
DTST-TOU-A
(option)



DTST-CWBSA-NI-B
(option)

Applications

- » Multi-family
- » Single-family
- » Hotels
- » Offices



SPECIFICATIONS			0.75 TON		1 TON		1.5 TON		2 TON		2.5 TON		
Model Name			FXTA09AAVJUA		FXTA12AAVJUA		FXTA18AAVJUA		FXTA24AAVJUA		FXTA30AAVJUA		
Model Name (With factory disconnect)			FXTA09AAVJUD		FXTA12AAVJUD		FXTA18AAVJUD		FXTA24AAVJUD		FXTA30AAVJUD		
Power Supply		V/ph/Hz	208/230VAC, 60Hz, 1 phase										
Nominal Cooling Capacity* ¹		Btu/h	9,500		12,000		18,000		24,000		30,000		
Nominal Heating Capacity* ²		Btu/h	10,500		13,500		20,000		27000		34,000		
Fan	Type		Sirocco FC Centrifugal										
	Air Flow Rate (H/M/L)	CFM	300 / 275 / 250		400 / 340 / 280		600 / 510 / 420		800 / 680 / 560		1000 / 850 / 700		
	Static Pressure*3	in w.g.	0.18" / 0.9"									0.23" / 0.9"	
	Drive Type		Variable speed ECM										
Height		in.	45										
Width		in.	17.5										
Depth		in.	21										
Weight (net) (TAVJUA/TAVJUD)		lbs.	105/108		112/115		111/118		112/115		113/116		
Sound Pressure Level (H speed)		dB(A)	36				45				52		
Pipe Connections	Liquid	in.	1/4 (Braze)					3/8 (Braze)					
	Gas	in.	1/2 (Braze)					5/8 (Braze)					
	Condensate Drain	in.	3/4 (fpt)										
Refrigerant			R32										
Refrigerant Control			Electronic Expansion Valve										
Maximum Overcurrent Protective Device		A	15										
Minimum Circuit Amps		A	4.9										
SPECIFICATIONS			3 TON		3.5 TON		4 TON		4.5 TON		5 TON		
Model Name			FXTA36AAVJUD		FXTA42AAVJUA		FXTA48AAVJUA		FXTA54AAVJUA		FXTA60AAVJUA		
Model Name (With factory disconnect)			FXTA36AAVJUD		FXTA42AAVJUD		FXTA48AAVJUD		FXTA54AAVJUD		FXTA60AAVJUD		
Power Supply		V/ph/Hz	208/230VAC, 60Hz, 1 phase										
Nominal Cooling Capacity*1		Btu/h	36,000		42,000		48,000		54,000		60,000		
Nominal Heating Capacity*2		Btu/h	40,000		46,000		54,000		60,000		66,000		
Fan	Type		Sirocco FC Centrifugal										
	Air Flow Rate (H/M/L)	CFM	1050 / 900 / 750		1400 / 1190 / 980		1520 / 1290 / 1060		1800 / 1530 / 1260		1800 / 1530 / 120		
	Static Pressure*3	in w.g.	0.23" / 0.9"									0.28" / 0.9"	
	Drive Type		Variable speed ECM										
Height		in.	45		53.43				58				
Width		in.	17.5		21				24.5				
Depth		in.	21										
Weight (net) (TAVJUA/TAVJUD)		lbs.	113/116		144/147				165/168				
Sound Pressure Level (H speed)		dB(A)	52		54				50				
Pipe Connections	Liquid	in.	3/8 (Braze)										
	Gas	in.	5/8 (Braze)										
	Condensate Drain	in.	3/4 (fpt)										
Refrigerant			R32										
Refrigerant Control			Electronic Expansion Valve										
Maximum Overcurrent Protective Device		A	15										
Minimum Circuit Amos		A	4.9		6.5				8.6				

Notes: *1 Nominal cooling capacities are based on the following conditions: 80 °FDB / 67 °FWB (26.7 °CDB / 19.4 °CWB) return air temperature; 95 °FDB (35 °CDB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

*2 Nominal heating capacities are based on the following conditions: 70 °FDB (21.1 °CDB) return air temperature; 47 °FDB / 43 °FWB (8.3 °CDB / 6.1 °CWB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

*3 External static pressures are indicated as rated / maximum allowable range.

Electric Heater Options

ELECTRICAL HEATER CAPACITY									
Model Name	3kW	5kW	6kW	8kW	10kW	15kW	19kW	20kW	25kW
FXTA09AAVJUA(D)	■	■							
FXTA12AAVJUA(D)	■	■	■						
FXTA18AAVJUA(D)	■	■	■	■	■				
FXTA24AAVJUA(D)	■	■	■	■	■				
FXTA30AAVJUA(D)	■	■	■	■	■				
FXTA36AAVJUA(D)	■	■	■	■	■				
FXTA42AAVJUA(D)		■	■	■	■	■	■		
FXTA48AAVJUA(D)		■	■	■	■	■	■		
FXTA54AAVJUA(D)		■	■	■	■	■		■	■
FXTA60AAVJUA(D)		■	■	■	■	■		■	■

Applications:



OFFICE



HOTELS



RESIDENTIAL

FXZA_AAVJU (R-32)

VISTA 2 x 2 Cassette Unit for VRV



Condensate Pump
as Standard

Outside Air
Integration Possible

Filter
Included

R32

Designer Comfort

VISTA is a remarkable blend of iconic design and engineering excellence with an elegant white or a silver and white finish. Fitting within the ceiling grid, VISTA is stylish, low profile, and compact. Energy efficiency and comfort can be enhanced through the combined use of optional floor and presence sensors. It is also possible to close individual louvers via the wired remote control for personalized comfort.

Features and Benefits

- » Six capacity options, from 5,800 Btu/h to 18,000 Btu/h
- » 4-way, 3-way, and 2-way blow configurability
- » Independently motorized louver outlets
- » High efficiency DC fan motor with Auto fan speed control
- » Low profile decoration panel design measures a mere 5/16" below the ceiling
- » Integral condensate pump with up to 24-13/16" (630mm) lift from the drain outlet
- » Independently configurable auxiliary heat on/off temperatures
- » Outside air integration possible
- » One decoration panel design color available



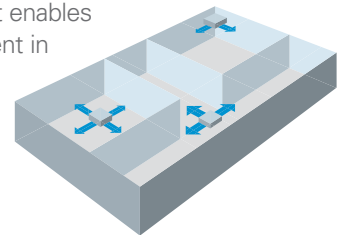
BRC1NRV71/72
(option)

R-32 Features

- » Factory-installed integrated refrigerant leak sensor
- » Dispersion Mode: Higher airflow rate for leak mitigation through circulation
- » Terminal for connection, via optional relay PCB, to external alarms and monitoring systems

Flexible Airflow Patterns

The four air louvers in the unit enables comfortable space environment in many different room layouts.

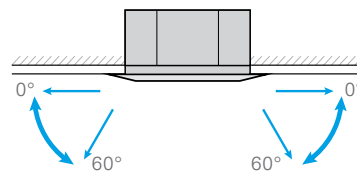


Applications

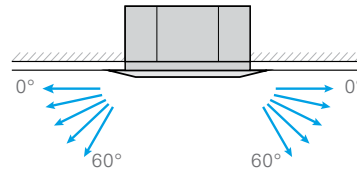
- » Retail
- » Schools
- » Offices

Airflow Angles

Auto Swing: Wide discharge angle: 0° to 60°



Fixed Angles: 5 Levels



Angles can be also set on site to prevent drafts (0°-35°) or soiling of the ceiling (25°-60°), other than standard setting (0°-60°).

2X2 CASSETTE (FXZA)		0.50 Ton	0.6 Ton	0.75 Ton	1 Ton	1.25 Ton	1.5 Ton
Model Name		FXZA05AAVJU	FXZA07AAVJU	FXZA09AAVJU	FXZA12AAVJU	FXZA15AAVJU	FXZA18AAVJU
Model Name (Panel)		BYFQ18GU					
Power Supply	(V/ph/Hz)	208-230/1/60					
Nominal Cooling Capacity*1	BTU/h	5,800	7,500	9,500	12,000	15,000	18,000
Nominal Heating Capacity *2	BTU/h	6,500	8,500	10,500	13,500	17,000	20,000
Refrigerant		R-32					
Refrigerant Control		Electronic Expansion Valve					
Dimensions (Unit)	(HxWxD)	10-1/4 x 22-5/8 x 22-5/8					
Dimensions (Panel)	(HxWxD)	[BYFQ18GU] 1-13/16 x 24-7/16 x 24-7/16					
Weight (Unit)	lbs.	35.3			36.4		41.9
Weight (Panel)	lbs.	6.2					
Airflow Rate H/M/L	CFM	300/247/229	307/264/229	317/282/229	353/300/247	405/335/282	511/441/353
Sound Power Level	dBA (H)	49		50	51	54	60
Sound Pressure Level H/M/L	dBA	32/29.5/25.5	32/29.5/25.5	33/30/25.5	33.5/30/26	37/32/28	43/40/33

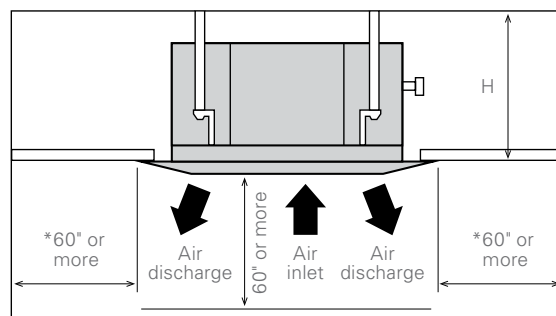
Notes: *1 Nominal cooling capacities are based on the following conditions: 80°F DB / 67°F WB (26.7°C DB / 19.4°C WB) return air temperature; 95°F DB (35°C DB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

*2 Nominal heating capacities are based on the following conditions: 70°F DB (21.1°C DB) return air temperature; 47°F DB / 43°F WB (8.3°C DB / 6.1°C WB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

FXZA_AAVJU ACCESSORIES		0.50 Ton	0.6 Ton	0.75 Ton	1 Ton	1.25 Ton	1.5 Ton
Model Name		FXZA05AAVJU	FXZA07AAVJU	FXZA09AAVJU	FXZA12AAVJU	FXZA15AAVJU	FXZA18AAVJU
Decoration panel		BYFQ18GU					
Sensor kit		BRE44B1F					
Sealing Member of Air Discharge Kit		BDBHQ44C60					
Replacement long life filter		KAF441C60					
Fresh Air Intake Kit		KDDQ44XA60					
Remote Controller		BRC1NRV71					
Remote Sensor		KRCS01-6B					
Intellegent Touch Manager		DCM601B71 (requires "D3-D4 conversion adaptor")					
iTM plus adaptor		DGE601A72, DGE601A53					
D3-D4 conversion adaptor		TBD					
Wiring adaptor PCB		KRP1C77					
Group control adaptor PCB		KRP4A74*1					
Adaptor for multi tenant		TBD					
Installation box for Adaptor PCB		KRP1BD101					
Safety shut-off valve unit		SVA60/96AAVJ					
Relay PCB		BRP9A71					

*1 A power supply harness is required for connection to the PCB of indoor unit

FXZA_V-MVJU9 INSTALLATION SPACE



MODEL	HEIGHT
FXZA05-18TBVJU	11.75" or more

*Leave 7-7/8" or more space on sides where the air outlet is closed.

FXAA_AAVJU (R-32)

Wall-Mounted Unit



Optional
Condensate Pump



Filter
Included

R32

Stylish, Compact, Convenient, Comfortable

Daikin's wall-mounted units are ideal for cooling or heating smaller zones such as stores, offices, and restaurants. The compact, stylish design lets the unit blend discreetly into any interior design, and airflow can be supplied in any of five different directions and easily programmed via remote control.

Features and Benefits

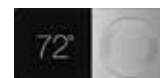
- » Expanded lineup includes a new 5,000 Btu/hr nominal capacity unit
- » Efficient operation year-round through Smart Variable Refrigerant Temperature (VRT) technology
- » Maintenance friendly design with new removable drainpan
- » Improved comfort cooling capability with individual evaporating temperature control
- » New automatic airflow flap control capable of both left/right and up/down direction control
- » New D4 communication protocol which allows for remote field settings for the system



BRC1NRV71/72
(option)



DTST-TOU-A
(option)



DTST-CWBSA-NI-B
(option)



DKN Plus Interface
(AZA16WSPDKC)

R-32 Features

- » Factory installed integrated refrigerant leak sensor
- » Dispersion mode enables high airflow rates for leak mitigation
- » Output to external devices such as ventilation, dampers, alarms and monitoring systems

Applications

- » Retail
- » Restaurants
- » Offices
- » Hotels
- » Multi-family residences



WALL MOUNT (FXAA)		0.50 Ton	0.6 Ton	0.75 Ton	1 Ton	1.5 Ton	2 Ton
Model Name		FXAA05AAVJU	FXAA07AAVJU	FXAA09AAVJU	FXAA12AAVJU	FXAA18AAVJU	FXAA24AAVJU
Power Supply	(V/ph/Hz)	208-230/1/60					
Nominal Cooling Capacity*1	BTU/h	5,400	7,500	9,500	12,000	18,000	24,000
Nominal Heating Capacity *2	BTU/h	6,100	8,500	10,500	13,500	20,000	27,000
Refrigerant		R-32					
Refrigerant Control		Electronic Expansion Valve					
Dimensions (Unit)	(HxWxD) in.	11-5/8 x 33-13/16 x 9-3/4				11-5/8 x 44-1/8 x 9-3/4	
Weight (Unit)	lbs.	26.5				35.3	
Airflow Rate H/M/L		247/229/194	282/247/194	353/300/247	406/335/247	512/423/353	670/565/476
Sound Power Level		51	52	54	57	56	63
Sound Pressure Level H/M/L		33/30/28	34/32/28	36/32/29	39/34/29	38/34/31	45/40/35

Notes: *1 Nominal cooling capacities are based on the following conditions: 80°F DB / 67°F WB (26.7°C DB / 19.4°C WB) return air temperature; 95°F DB (35°C DB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

*2 Nominal heating capacities are based on the following conditions: 70°F DB (21.1°C DB) return air temperature; 47°F DB / 43°F WB (8.3°C DB / 6.1°C WB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.

FXAA_AAVJU ACCESSORIES		0.50 Ton	0.6 Ton	0.75 Ton	1 Ton	1.5 Ton	2 Ton
Model Name		FXAA05AAVJU	FXAA07AAVJU	FXAA09AAVJU	FXAA12AAVJU	FXAA18AAVJU	FXAA24AAVJU
Remote Controller		BRC1NRV71/72					
Intelligent Touch Manager		(requires D3/D4 Adaptor)					
D3-D4 conversion adaptor		BRD72A-L					
Wiring adaptor PCB		KRP1C77					
Group control adaptor PCB		KRP4A74					
Safety shut-off valve unit		SSOV Box					
Relay PCB		BRP9A72					

*1 A power supply harness is required for connection to the PCB of indoor unit

FXAA_PVJU INSTALLATION SPACE

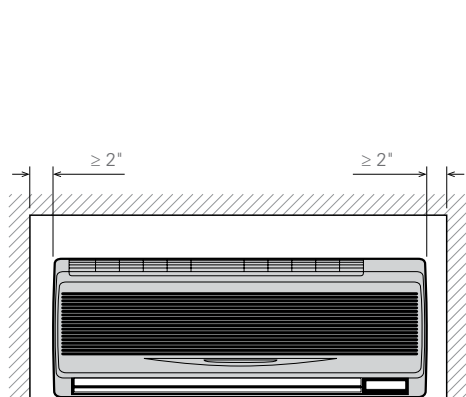


Fig.1

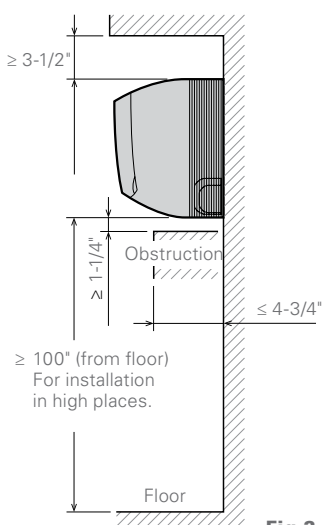


Fig.2

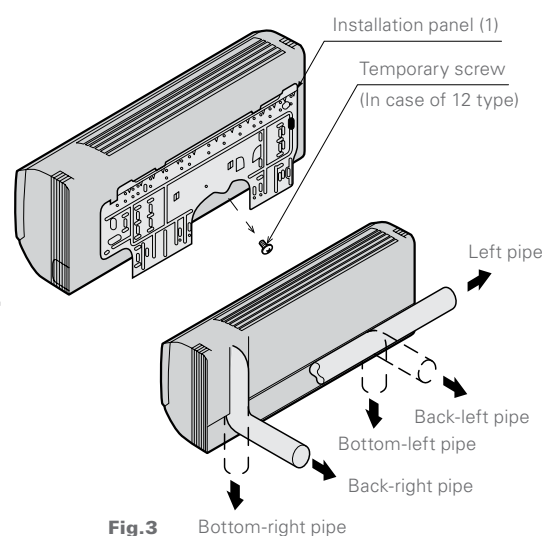


Fig.3

DZK

Daikin Zoning Kit

Kits and Accessories



The optional Daikin Zoning Kit (DZK) increases the flexibility of the Daikin VRV systems by adding a Zoning Box to an indoor unit fan coil, allowing several separate ducts to supply air to different individually-controlled zones in the building. A zone can be a room, part of room, or several rooms. This flexible and scalable Zoning Kit integrates seamlessly with the indoor unit fan coil controls. The DZK system controls work to establish the required set-point, fan speed and mode of operation that is then requested to the VRV indoor unit via the Daikin zone controller. This allows the internal DZK control algorithms to look at the number of zone dampers in operation, and at what position the dampers need to be and adjust the VRV indoor unit operation accordingly. The DZK system is not directly compatible with the suite of Daikin centralized control options such as *iTM*.

A complete Daikin Zoning Kit consists of Zoning Box (with Control Board), Wired Thermostat, and Wireless Thermostats. The optional DZK BACnet Interface enables any BACnet/IP compatible Building Management System to be used for remote monitoring and control of the DZK.

Wired Thermostat

The 4th generation DZK introduces a software redesign for the Wired thermostat. The revised software offers a simplistic interface for commissioning DZK controls for an enhanced user experience.



The Wired thermostat in the DZK is a graphical colored, touch-screen interface with text menus, intuitive icons, and guided scheduling capability. It displays temperatures and operating values, and selects the operating mode for the system.

Wireless Thermostats

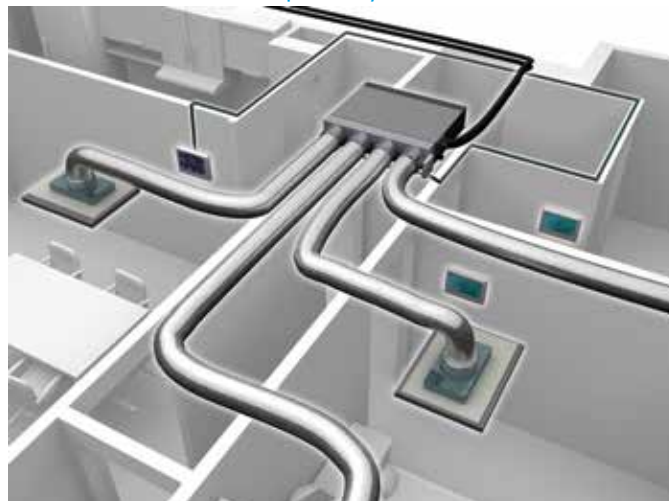
The optional Wireless thermostat offers a backlit, low energy E Ink display with capacitive touch buttons. The user can adjust the zone set point temperature, set user mode schedules, activate local ventilation, and more.



The optional Wireless Lite thermostat offers a sleek, simple user interface to adjust the local zone set point temperature using led-lit capacitive touch buttons.

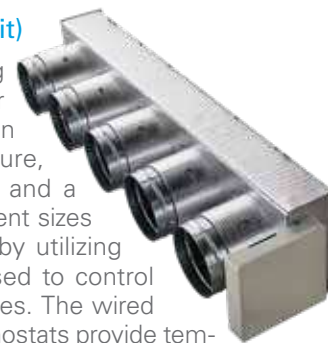
DZK with R32 information "coming soon"

Now with BACnet®/IP compatibility



Zoning Box with Control Box (Model Depends on Indoor Unit)

The Zoning Box in the Daikin Zoning Kit mounts easily on Daikin's Indoor Unit FXMQ-P or FXSQ series fan coils. It consists of the enclosure, individually motorized dampers, and a control box. It is available in different sizes and damper configurations and by utilizing ducts for air supply it can be used to control the air temperature in up to 6 zones. The wired thermostat and the wireless thermostats provide temperature inputs and user interfaces for programming and adjustment of the control functions for each zone.



Daikin BACnet HUB4 Module

The DZK BACnet HUB module will work with any BACnet/IP & BACnet/MSTP compatible Building Management System. The DZK BACnet Hub is now Wi-Fi capable and provides remote access via the Airzone Cloud app or device web browser. (DZK-BACnet-HUB4)



BACnet® is a trademark of ASHRAE.

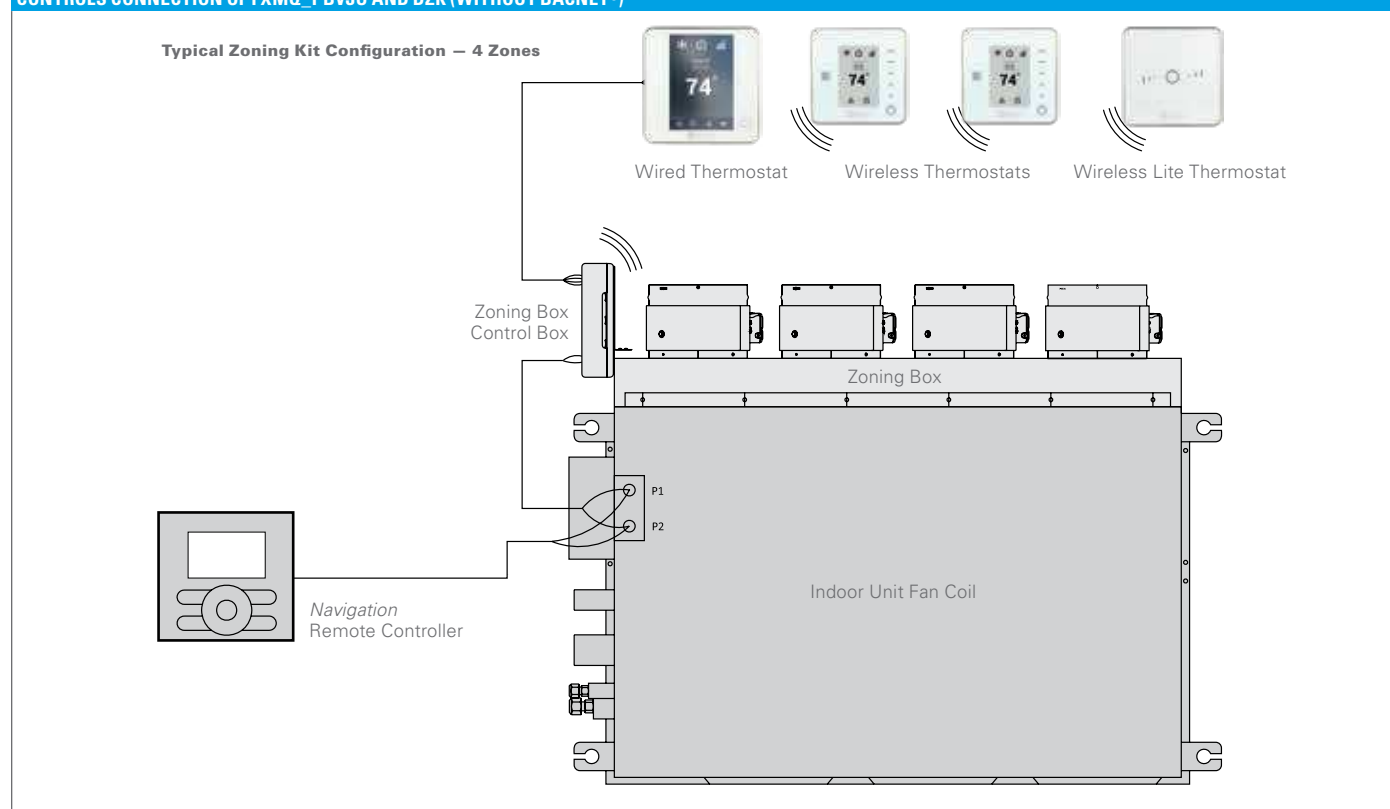
DAIKIN ZONING KIT (DZK) - GENERAL TECHNICAL DATA

DZK Model		DZKS015E3-4	DZKS015E4-3	DZKS030E4-3	DZKS030E5-4	DZKS048E4-4	DZKS048E6-4	DZK030E4-4	DZK030E5-4	DZK048E4-4	DZK048E6-4
Height	in.	9-5/8	9-5/16	9-5/8	9-5/16	9-5/8	9-5/16	10-7/16	10-1/4	10-7/16	10-1/4
Width	in.	34-3/16		43-5/8		53-7/16		43-9/16		53-7/16	
Depth	in.	10-7/16									
Weight	lb.	16	18	18	20	18	23	18	20	20	23
No. of Zones		3	4	4	5	4	6	4	5	4	6
Ø of Outlets	in.	8	6	8	6	8	6	8	6	8	6
Power Supply	VAC	110/230 VAC									
	ph	1									
	Hz	60									

DAIKIN ZONING KIT (DZK) - COMPATIBILITY

	DZKS015E4-4	DZKS015E4-4	DZKS030E4-4	DZKS030E5-4	DZKS048E4-4	DZKS048E6-4
VRV Indoor Unit						
FXSQ15TAVJU	■	■				
FXMQ15/18/24TBVJU			■	■		
FXMQ30/36/48TBVJU					■	■
DZK-MTS-4-W*	■	■	■	■	■	■
DZK-ZTS-4-W	■	■	■	■	■	■
DZK-LTS-4-W	■	■	■	■	■	■
DZK-BACNET-HUB4	■	■	■	■	■	■

* Minimum (1) required per DZK Zoning Kit

CONTROLS CONNECTION OF FXMQ_PBVJU AND DZK (WITHOUT BACNET®)

BACnet® is a trademark of ASHRAE.



VRV Products Outdoor Units



VRV EMERION

Air-Cooled Heat Recovery



Daikin VRV EMERION is available in single and dual-module lineups. The introduction of new 16-20T single modules allows a system capacity of up to 40 Tons with just two modules. This helps reduce the overall space required for mechanical equipment and optimizes total project costs.

Features and Benefits

- » New Simple and Stylish design with expanded line up with single-module units from 6 – 20 T and dual-modules up to 40 T.
- » Space-saving 16 – 20 T single module units provide up to 34% footprint and up to 500 lbs./unit weight reduction compared to previous series².
- » High energy efficiency with IEERs up to 30.0 delivers up to 30% efficiency increase compared to previous VRV systems.
- » Year-round comfort and energy savings with Daikin's Variable Refrigerant Temperature technology (VRT), compared to standard VRF and previous VRV systems.
- » Increased piping lengths of up to 361 ft. vertical separation between ODU and IDU provide additional application flexibility compared to previous VRV systems¹.
- » Heating down to -13°F as standard and high heating capacities at 17°F make it an ideal choice for all-electric heat pump solutions.
- » Continuous heating during defrost capability with single module (16 T – 20 T) and all dual module systems¹. Only available on Heat Recovery
- » Hot gas defrost circuit allows for installation without base pan heater.
- » Sealed e-box design with an ingress protection rating of IP55 provides for high dust and moisture protection.
- » Dual-fuel ready with connectivity to Daikin communicating gas furnace or all-electric heat pump heating for optimized operational costs based on utility rates.
- » Design flexibility to enlarge system from single to a dual-module without changes to installed main pipe sizes for phased installation or tenant fit-out buildings.
- » Meets several local code compliance certifications such as OSHPD Seismic, Miami Dade Wind, and Chicago pressure relief codes.
- » Reduced wiring costs with up to 34% reduction in MCA values compared to previous series.
- » Engineered for ease of installation and service with three-segment panel design.
- » Enhanced installation and serviceability with increased space for easy field piping connections to service valves¹.
- » Simplified diagnosis with built-in data recorder which stores up to 45 minutes of operational data.
- » Integrates with new Daikin HERO ecosystem, an IoT-based remote monitoring and diagnostics platform.

¹ Refer to engineering and installation manuals for application rules.

² Model specific; check product specification for details.



* Complete commercial warranty details available from your local distributor or manufacturer's representative or at www.daikincomfort.com.



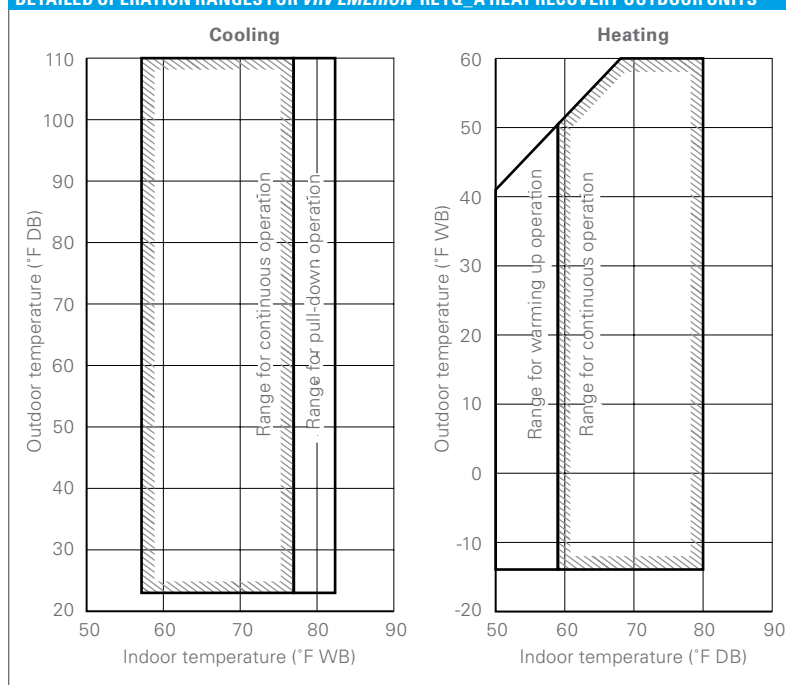


VRV EMERION CERTIFIED DATA - HEAT RECOVERY, -230V/60HZ/3PH, 460V/60HZ/3PH

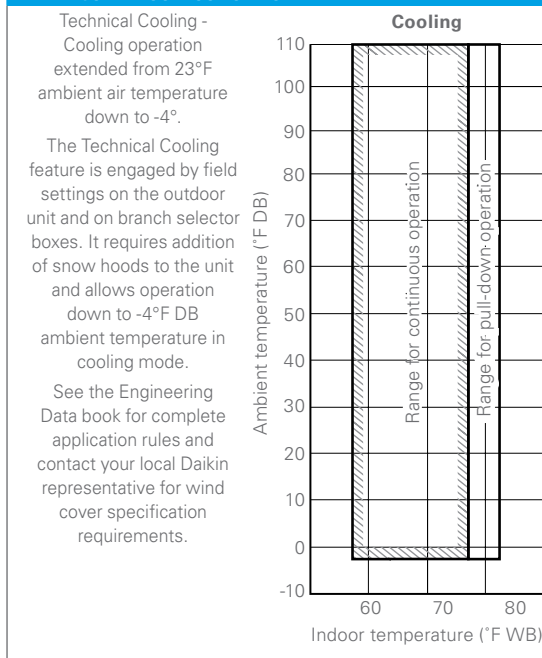
Product #	Capacity (Tons)	IEER Non-Ducted	IEER Ducted	IEER Mixed	SCHE Non-Ducted	SCHE Ducted	SCHE Mixed	COP @ 47°F Non-Ducted	COP @ 47°F Ducted	COP @ 47°F Mixed	COP @ 17°F Non-Ducted	COP @ 17°F Ducted	COP @ 17°F Mixed	EER Non-Ducted	EER Ducted	EER Mixed
REYQ72AA	6	28.00	23.00	25.50	26.10	22.00	24.05	4.35	3.58	3.97	2.50	2.40	2.45	15.70	12.80	14.25
REYQ96AA	8	30.00	25.30	27.65	26.10	21.10	23.60	4.30	3.56	3.93	2.48	2.25	2.37	14.60	12.80	13.70
REYQ120AA	10	27.50	23.50	25.50	26.10	22.20	24.15	4.00	3.48	3.74	2.38	2.25	2.32	13.20	12.40	12.80
REYQ144AA	12	26.50	22.50	24.50	25.60	22.10	23.85	3.80	3.35	3.58	2.20	2.10	2.15	12.50	12.00	12.25
REYQ168AA	14	24.00	21.40	22.70	25.60	22.30	23.95	3.50	3.20	3.35	2.10	2.10	2.10	11.50	11.10	11.30
REYQ192AA	16	24.00	21.00	22.50	26.60	22.80	24.70	3.85	3.45	3.65	2.05	2.05	2.05	12.30	11.50	11.90
REYQ216AA	18	23.00	20.50	21.75	25.50	21.90	23.70	3.70	3.25	3.48	2.05	2.05	2.05	11.50	11.00	11.25
REYQ240AA	20	21.60	19.70	20.65	25.60	21.80	23.70	3.45	3.20	3.33	2.05	2.05	2.05	11.00	10.80	10.90
REYQ264AA	22	23.90	19.20	21.55	26.20	18.20	22.20	3.70	3.20	3.45	2.35	2.10	2.23	12.00	10.60	11.30
REYQ288AA	24	23.20	19.30	21.25	23.40	20.00	21.70	3.60	3.27	3.44	2.41	2.13	2.27	12.00	11.00	11.50
REYQ312AA	26	22.80	19.20	21.00	24.40	20.80	22.60	3.60	3.25	3.43	2.35	2.10	2.23	11.30	10.80	11.05
REYQ336AA	28	22.10	18.60	20.35	23.40	19.80	21.60	3.60	3.23	3.42	2.20	2.10	2.15	10.50	10.60	10.55
REYQ360AA	30	21.00	18.20	19.60	23.00	19.40	21.20	3.60	3.21	3.41	2.05	2.05	2.05	11.50	10.70	11.10
REYQ384AA	32	22.00	18.80	20.40	22.00	17.00	19.50	3.40	3.25	3.33	2.05	2.05	2.05	10.70	10.50	10.60
REYQ408AA	34	21.50	18.40	19.95	21.90	18.40	20.15	3.40	3.25	3.33	2.05	2.05	2.05	10.70	10.50	10.60
REYQ432AA	36	21.10	18.10	19.60	20.30	18.20	19.25	3.40	3.25	3.33	2.05	2.05	2.05	10.70	10.10	10.40
REYQ456AA	38	20.20	17.50	18.85	18.90	18.00	18.45	3.40	3.25	3.33	2.05	2.05	2.05	9.90	9.80	9.85
REYQ480AA	40	19.40	17.20	18.30	16.90	16.50	16.70	3.40	3.25	3.33	2.05	2.05	2.05	9.70	9.60	9.65

Certified efficiency data in accordance with ANSI/AHRI Standard 1230 2014, "Performance Rating of Variable Refrigerant Flow Multi-Split Air Conditioning and Heat Pump Equipment" for the VRV series. The VRV EMERION series has been designed and optimized to meet or exceed the latest minimum efficiency requirements in 10 C.F.R. Part 431 as determined by the U.S. Department of Energy (DOE) and baseline efficiencies as defined by ASHRAE 90.1 2016. Systems under 65MBH are currently certified to AHRI 210/240. IEER ratings are as defined in ASHRAE 90.1 2016.

DETAILED OPERATION RANGES FOR VRV EMERION REYQ_A HEAT RECOVERY OUTDOOR UNITS



TECHNICAL COOLING FEATURE FOR VRV EMERION REYQ_A HEAT RECOVERY OUTDOOR UNITS





TECHNICAL DATA FOR VRV EMERION - AATJA/AAYDA HEAT RECOVERY OUTDOOR UNITS

			6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton	20 Ton	
Model	208-230V/3Ph/60Hz		REYQ72AATJA	REYQ96AATJA	REYQ120AATJA	REYQ144AATJA	REYQ168AATJA	REYQ192AATJA	REYQ216AATJA	REYQ240AATJA	
	460V/3Ph/60Hz		REYQ72AAYDA	REYQ96AAYDA	REYQ120AAYDA	REYQ144AAYDA	REYQ168AAYDA	REYQ192AAYDA	REYQ216AAYDA	REYQ240AAYDA	
	Combination										
Performance	Rated Cooling Capacity	BTU/h	69,000	92,000	114,000	138,000	160,000	184,000	206,000	228,000	
	Rated Heating Capacity	BTU/h	77,000	103,000	129,000	154,000	180,000	206,000	232,000	256,000	
	Operation Range Cooling	°F (°C) DB	-4* – 122 (-20* – 50)								
	Operation Range Heating	°F (°C) WB	-13 – 60 (-25 – 15.6)								
	Sound Pressure	dB(A)	58	61	61	65	65	67	68	69	
	Airflow	CFM	6200	8965	8965	9675	9675	13650	14505	14505	
	Fan ESP, Standard/Max	in. W.G.	0.12 / 0.32								
Compressor	Compressors, all inverter	Qty	1	2							
	Revolutions per minute	RPM	4212	4482 + 4482	5934 + 5934	5496 + 5496	6684 + 6684	5586 + 5586	6294 + 6294	7272 + 7272	
	Capacity Control Range	%	7-100	4-100	3-100	3-100	2-100	4-100	3-100	3-100	
Refrigerant Piping, Layout	Maximum Vertical Pipe Length Above Unit	ft.	164 (361 With Field Setting)*								
	Maximum Vertical Pipe Length Below Unit	ft.	130 (361 With Field Setting)*								
	Maximum Vertical Pipe Length Between IDU	ft.	100								
	Maximum Actual Pipe Length	ft.	541								
	Maximum Equivalent Pipe Length	ft.	620								
	Maximum Total Pipe Length	ft.	3,280								
Refrigerant Piping, Connections	Liquid Pipe, Main Line	in.	3/8	3/8	1/2	1/2	5/8	5/8	5/8	5/8	
	Suction Gas Pipe, Main Line	in.	3/4	7/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-3/8	
	Discharge Gas Pipe, Main Line	in.	5/8	3/4	3/4	7/8	7/8	1-1/8	1-1/8	1 1/8	
Connection Ratio	Standard Connectable Indoor Unit Ratio	%	50 - 200 ¹								
	Maximum Number of Indoor Units	Qty	12	16	20	25	29	33	37	41	
Electrical	Maximum Overcurrent Protection, MOP (208-230V / 460V)	A	35 / 15	40 / 20	45 / 20	60 / 25	70 / 30	70 / 35	80 / 35	90 / 40	
	Minimum Circuit Amps, MCA (208-230V / 460V)	A	27.3 / 12.4	34.1 / 16.4	36.5 / 16.6	47.8 / 21.3	54.9 / 24.9	59.8 / 28.3	67.2 / 29.9	73.7 / 33.4	
	Compressor Rated Load Amps, (208-230V / 460V)	A	11.1 / 5.1	7.6 + 7.6 / 3.4 + 3.5	10.5 + 10.6 / 4.8 + 4.8	10.0 + 15.8 / 4.5 + 7.2	12.5 + 20.0 / 5.7 + 9.1	16.6 + 16.6 / 7.5 + 7.6	20.0 + 20.0 / 9.1 + 9.1	24.3 + 24.4 / 11.0 + 11.1	
Unit	Factory Refrigerant Charge	lbs.	23.4	25.8							
	Weight (208-230V / 460V)	lbs.	509 / 525	710 / 725	712 / 728	785 / 800	787 / 802	957 / 972	957 / 972	957 / 972	
	Dimensions (H x W x D)	in.	65-3/8 x 36-5/8 x 30-1/8	65-3/8 x 48-13/16 x 30-1/8				65-3/8 x 68-7/8 x 30-1/8			

¹Varies based on indoor model selected *Refer to engineering and installation manuals for rules and conditions



	22 Ton	24 Ton	26 Ton	28 Ton	30 Ton	32 Ton	34 Ton	36 Ton	38 Ton	40 Ton
	REYQ264AATJA	REYQ288AATJA	REYQ312AATJA	REYQ336AATJA	REYQ360AATJA	REYQ384AATJA	REYQ408AATJA	REYQ432AATJA	REYQ456AATJA	REYQ480AATJA
	REYQ264AAYDA	REYQ288AAYDA	REYQ312AAYDA	REYQ336AAYDA	REYQ360AAYDA	REYQ384AAYDA	REYQ408AAYDA	REYQ432AAYDA	REYQ456AAYDA	REYQ480AAYDA
	1 x REYQ120AA 1 x REYQ144AA	2 x REYQ144AA	1 x REYQ144AA 1 x REYQ168AA	2 x REYQ168AA	1 x REYQ168AA 1 x REYQ192AA	2 x REYQ192AA	1 x REYQ192AA 1 x REYQ216AA	2 x REYQ216AA	1 x REYQ216AA 1 x REYQ240AA	2 x REYQ240AA
	252,000	274,000	296,000	320,000	342,000	364,000	388,000	410,000	434,000	456,000
	282,000	294,000	320,000	338,000	376,000	386,000	394,000	404,000	414,000	424,000
	-4* - 122 (-20* - 50)									
	-13 - 60 (-25 - 15.6)									
	67	69	69	69	70	71	71	72	72	73
	8965 + 9675	9675 + 9675	9675 + 9675	9675 + 9675	9675 + 13650	13650 + 13650	13650 + 14505	14505 + 14505	14505 + 14505	14505 + 14505
	0.12 / 0.32									
	2 + 2									
	(5934 + 5934) + (5496 + 5496)	(5496 + 5496) + (5496 + 5496)	(5496 + 5496) + (6684 + 6684)	(6684 + 6684) + (6684 + 6684)	(6684 + 6684) + (5586 + 5586)	(5586 + 5586) + (5586 + 5586)	(5586 + 5586) + (6294 + 6294)	(6294 + 6294) + (6294 + 6294)	(6294 + 6294) + (7272 + 7272)	(7272 + 7272) + (7272 + 7272)
	1-100	1-100	1-100	1-100	1-100	1-100	1-100	1-100	1-100	1-100
	164 (361 With Field Setting)*									
	130 (361 With Field Setting)*									
	100									
	541									
	620									
	3280									
	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	1-3/8	1-3/8	1-3/8	1-3/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8
	1-1/8	1-1/8	1-1/8	1-1/8	1-3/8	1-3/8	1-3/8	1-3/8	1-3/8	1-3/8
	50 - 200 ¹									
	45	49	54	58	62	64				
	45 + 60 / 20 + 25	60 + 60 / 25 + 25	60 + 70 / 25 + 30	70 + 70 / 30 + 30	70 + 70 / 30 + 35	70 + 70 / 35 + 35	70 + 80 / 35 + 35	80 + 80 / 35 + 35	80 + 90 / 35 + 40	90 + 90 / 40 + 40
	36.5 + 47.8 / 16.6+21.3	47.8 + 47.8 / 21.3 + 21.3	47.8 + 54.9 / 21.3 + 24.9	54.9 + 54.9 / 24.9 + 24.9	54.9 + 59.8 / 24.9 + 28.3	59.8 + 59.8 / 28.3 + 28.3	59.8 + 67.2 / 28.3 + 29.9	67.2 + 67.2 / 29.9 + 29.9	67.2 + 73.7 / 29.9 + 33.4	73.7 + 73.7 / 33.4 + 33.4
	(10.5 + 10.6) + (10.0 + 15.8) / (4.8 + 4.8) + (4.5 + 7.2)	(10.0 + 15.8) + (10.0 + 15.8) / (4.5 + 7.2) + (4.5 + 7.2)	(10.0 + 15.8) + (12.5 + 20.0) / (4.5 + 7.2) + (5.7 + 9.1)	(12.5 + 20.0) + (12.5 + 20.0) / (5.7 + 9.1) + (5.7 + 9.1)	(12.5 + 20.0) + (16.6 + 16.6) / (5.7 + 9.1) + (7.5 + 7.6)	(16.6 + 16.6) + (16.6 + 16.6) / (7.5 + 7.6) + (7.5 + 7.6)	(16.6 + 16.6) + (20.0 + 20.0) / (7.5 + 7.6) + (9.1 + 9.1)	(20.0 + 20.0) + (20.0 + 20.0) / (9.1 + 9.1) + (9.1 + 9.1)	(20.0 + 20.0) + (24.3 + 24.3) / (9.1 + 9.1) + (11.0 + 11.1)	(24.3 + 24.3) + (24.3 + 24.4) / (11.0 + 11.1) + (11.0 + 11.1)
	25.8 + 25.8									
	712 + 785 / 728 + 800	785 + 785 / 800 + 800	785 + 787 / 800 + 802	787 + 787 / 802 + 802	787 + 957 / 802 + 972	957 + 957 / 972 + 972				
	(65-3/8 x 48-13/16 x 30-1/8) + (65-3/8 x 48-13/16 x 30-1/8)				65-3/8 x 48-13/16 x 30-1/8) + (65-3/8 x 68-7/8 x 30-1/8)	(65-3/8 x 68-7/8 x 30-1/8) + (65-3/8 x 68-7/8 x 30-1/8)				

VRV EMERION

Air-Cooled Heat Pump



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- » New Simple and Stylish design with expanded line up with single module units from 6-20T and dual-modules up to 40T
- » Space-saving 16 - 20 T single module units provide up to 34% footprint and up to 500 lbs./unit weight reduction compared to previous series²
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- » Year-round comfort and energy saving with Daikin's Variable Refrigerant Temperature Technology (VRT)
- » Heating down to -13°F as standard and high heating capacities at 17°F make it an ideal choice for all-electric heat pump solutions
- » Hot gas defrost circuit allows for installation without base pan heater
- » High dust moisture protection with an IP55 rated sealed E-box
- » Dual-Fuel ready with connectivity to Daikin communicating gas furnace or all-electric heat pump heating for optimized operational cost based on utility rates
- » Increased piping lengths of up to 361 ft. vertical separation between ODU and IDU provide additional application flexibility compared to previous VRV systems¹
- » Design flexibility to enlarge system from single to a dual-module without changes to installed main pipe sizes for phased installation or tenant fit-out buildings
- » Local code compliance-ready from factory via alignment with compliance needs, such as OSHPD Seismic, Miami Dade Wind, and Chicago Pressure relief code
- » Reduced wiring costs with up to 27.4% reduction in MCA values compared to previous series
- » Engineered for ease of installation and service with three-segment panel design
- » Factory ships with increase space for easy field piping connection to service valves



- » Built-in data recorder to store up to 40 minutes of operational data
- » Integrates with new Daikin HERO ecosystem, an IoT-based remote monitoring and diagnostics platform
- » Connect non standard VRV terminal units and AHUs with Daikin VRV EMERION leveraging Daikin Air Handling Unit Integration Kit to extend benefits of inverter technology to custom terminal units and AHUs. A kit consists of One Control Box and One EEV box. Offered via EKEQMCBAV3-US and EKEQFCBAV3-US.

¹ Refer to engineering and installation manuals for application rules.

² Model specific; check product specification for details.



* Complete commercial warranty details available from your local distributor or manufacturer's representative or at www.daikincomfort.com.

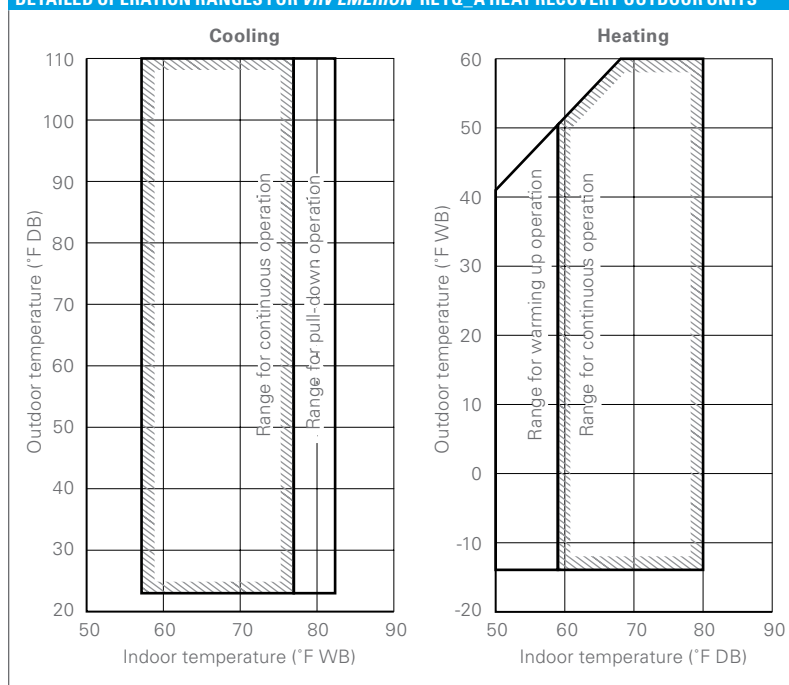


VRV EMERION CERTIFIED DATA - HEAT PUMP, -230V/60HZ/3PH, 460V/60HZ/3PH

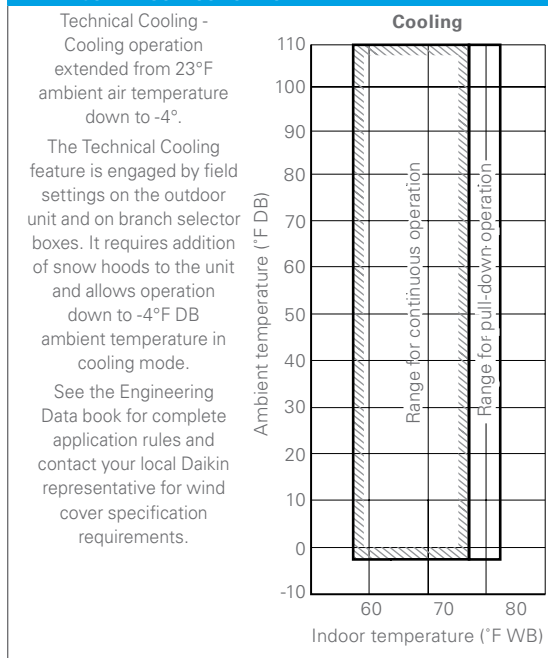
Product #	Capacity (Tons)	IEER Non-Ducted	IEER Ducted	IEER Mixed	COP @ 47°F Ducted	COP @ 47°F Ducted	COP @ 47°F Mixed	COP @ 17°F Non-Ducted	COP @ 17°F Ducted	COP @ 17°F Mixed	EEER Non-Ducted	EEER Ducted	EEER Mixed
RXYQ72AA	6	27.00	21.40	24.20	4.00	3.54	3.77	2.49	2.42	2.46	15.20	13.00	14.10
RXYQ96AA	8	28.50	24.80	26.65	4.10	3.52	3.81	2.53	2.42	2.48	14.30	12.80	13.55
RXYQ120AA	10	26.60	23.40	25.00	3.77	3.43	3.60	2.46	2.42	2.44	12.60	12.00	12.30
RXYQ144AA	12	25.40	22.90	24.15	3.70	3.36	3.53	2.18	2.12	2.15	12.40	11.70	12.05
RXYQ168AA	14	23.40	21.20	23.30	3.40	3.33	3.37	2.18	2.12	2.15	11.20	11.00	11.10
RXYQ192AA	16	23.60	21.20	22.40	3.66	3.44	3.55	2.22	2.12	2.17	11.60	11.60	11.60
RXYQ216AA	18	22.20	21.00	21.60	3.62	3.32	3.47	2.18	2.12	2.15	11.01	10.90	10.10
REYQ240AA	20	21.80	19.60	20.70	3.34	3.20	3.27	2.16	2.12	2.14	11.00	10.60	10.80
REYQ264AA	22	22.60	19.20	20.90	3.50	3.24	3.37	2.33	2.12	2.23	11.20	10.00	10.60
REYQ288AA	24	22.40	19.20	20.80	3.50	3.31	3.41	2.41	2.12	2.27	11.40	10.40	10.90
REYQ312AA	26	21.80	19.20	20.50	3.50	3.22	3.36	2.35	2.12	2.24	10.70	10.20	10.45
REYQ336AA	28	21.40	18.50	19.95	3.50	3.20	3.35	2.18	2.12	2.15	10.10	10.20	10.15
REYQ360AA	30	20.40	18.50	19.45	3.50	3.20	3.35	2.14	2.12	2.13	11.00	10.10	10.55
REYQ384AA	32	21.40	18.80	20.10	3.35	3.24	3.30	2.18	2.12	2.15	10.20	10.10	10.15
REYQ408AA	34	21.30	18.10	19.70	3.35	3.24	3.30	2.18	2.12	2.15	10.20	9.80	9.85
REYQ432AA	36	20.60	17.20	18.90	3.35	3.24	3.30	2.18	2.12	2.15	10.20	9.50	9.85
REYQ456AA	38	19.80	16.80	18.30	3.30	3.22	3.26	2.18	2.12	2.15	9.60	9.50	9.55
REYQ480AA	40	19.00	16.40	18.40	3.20	3.20	3.20	2.18	2.12	2.15	9.60	9.50	9.55

Certified efficiency data in accordance with ANSI/AHRI Standard 1230 2014, "Performance Rating of Variable Refrigerant Flow Multi-Split Air Conditioning and Heat Pump Equipment" for the VRV series. The VRV EMERION series has been designed and optimized to meet or exceed the latest minimum efficiency requirements in 10 C.F.R. Part 431 as determined by the U.S. Department of Energy (DOE) and baseline efficiencies as defined by ASHRAE 90.1 2016. Systems under 65MBH are currently certified to AHRI 210/240. IEER ratings are as defined in ASHRAE 90.1 2016.

DETAILED OPERATION RANGES FOR VRV EMERION REYQ_A HEAT RECOVERY OUTDOOR UNITS



TECHNICAL COOLING FEATURE FOR VRV EMERION REYQ_A HEAT RECOVERY OUTDOOR UNITS



VRV EMERION

Air-Cooled Heat Pump (cont)



TECHNICAL DATA FOR VRV EMERION - AATJA/AAYDA HEAT PUMP OUTDOOR UNITS

			6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton	20 Ton	
Model	208-230V/3Ph/60Hz		RXYQ72AATJA	RXYQ96AATJA	RXYQ120AATJA	RXYQ144AATJA	RXYQ168AATJA	RXYQ192AATJA	RXYQ216AATJA	RXYQ240AATJA	
	460V/3Ph/60Hz		RXYQ72AAYDA	RXYQ96AAYDA	RXYQ120AAYDA	RXYQ144AAYDA	RXYQ168AAYDA	RXYQ192AAYDA	RXYQ216AAYDA	RXYQ240AAYDA	
	Combination										
Performance	Rated Cooling Capacity	BTU/h	69,000	92,000	114,000	138,000	160,000	184,000	206,000	228,000	
	Rated Heating Capacity	BTU/h	77,000	103,000	126,000	154,000	180,000	206,000	232,000	248,000	
	Operation Range Cooling	°F (°C) DB	23 – 122 (-5 – 50)								
	Operation Range Heating	°F (°C) WB	-13 – 60 (-25 – 15.6)								
	Sound Pressure	dB(A)	58	61	61	65	65	67	68	69	
	Airflow	CFM	6200	8965	8965	9675	9675	13650	14505	14505	
	Fan ESP, Standard/Max	in. W.G.	0.12 / 0.32								
Compressor	Compressors, all inverter	Qty	1	2							
	Revolutions per minute	RPM	4212	4482 + 4482	5934 + 5934	5496 + 5496	6684 + 6684	5586 + 5586	6294 + 6294	7272 + 7272	
	Capacity Control Range	%	7-100	4-100	3-100	3-100	2-100	4-100	3-100	3-100	
Refrigerant Piping, Layout	Maximum Vertical Pipe Length Above Unit	ft.	164 (361 With Field Setting)*								
	Maximum Vertical Pipe Length Below Unit	ft.	130 (361 With Field Setting)*								
	Maximum Vertical Pipe Length Between IDU	ft.	98								
	Maximum Actual Pipe Length	ft.	540								
	Maximum Equivalent Pipe Length	ft.	623								
	Maximum Total Pipe Length	ft.	3280								
Refrigerant Piping, Connections	Liquid Pipe, Main Line	in.	3/8	3/8	1/2	1/2	5/8	5/8	5/8	5/8	
	Suction Gas Pipe, Main Line	in.	3/4	7/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-3/8	
Connection Ratio	Standard Connectable Indoor Unit Ratio	%	50 - 200 ¹								
	Maximum Number of Indoor Units	Qty	12	16	20	25	29	33	37	41	
Electrical	Maximum Overcurrent Protection, MOP (208-230V / 460V)	A	30 / 15	35 / 20	40 / 20	50 / 25	60 / 30 (25 ²)	60 / 35 (30 ²)	70 / 35 (30 ²)	80 / 40	
	Minimum Circuit Amps, MCA (208-230V / 460V)	A	27.3 / 12.4	34.1 / 16.4	36.5 / 16.6	47.8 / 21.3	54.9 / 24.9	59.8 / 28.3	67.2 / 29.9	73.7 / 33.4	
	Compressor Rated Load Amps, (208-230V / 460V)	A	11.1 / 5.1	7.6 + 7.6 / 3.4 + 3.5	10.5 + 10.6 / 4.8 + 4.8	10.0 + 15.8 / 4.5 + 7.2	12.5 + 20.0 / 5.7 + 9.1	16.6 + 16.6 / 7.5 + 7.6	20.0 + 20.0 / 9.1 + 9.1	24.3 + 24.4 / 11.0 + 11.1	
Unit	Factory Refrigerant Charge	lbs.	15.2	24.9	25.4	25.8	25.8	25.8	25.8	25.8	
	Weight (208-230V / 460V)	lbs.	496 / 507	683 / 694	683 / 694	750 / 761	750 / 761	904 / 915	904 / 915	904 / 915	
	Dimensions (H x W x D)	in.	65-3/8 x 36-5/8 x 30-1/8	65-3/8 x 48-13/16 x 30-1/8				65-3/8 x 68-7/8 x 30-1/8			

¹Varies based on indoor model selected ²UL 60335-2-40 calculated MOP values *Refer to engineering and installation manuals for rules and conditions



	22 Ton	24 Ton	26 Ton	28 Ton	30 Ton	32 Ton	34 Ton	36 Ton ²	38 Ton	40 Ton
	RXYQ264AATJA	RXYQ288AATJA	RXYQ312AATJA	RXYQ336AATJA	RXYQ360AATJA	RXYQ384AATJA	RXYQ408AATJA	RXYQ432AATJA	RXYQ456AATJA	RXYQ480AATJA
	RXYQ264AAYDA	RXYQ288AAYDA	RXYQ312AAYDA	RXYQ336AAYDA	RXYQ360AAYDA	RXYQ384AAYDA	RXYQ408AAYDA	RXYQ432AAYDA	RXYQ456AAYDA	RXYQ480AAYDA
	1 x RXYQ120AA 1 x RXYQ144AA	2 x RXYQ144AA	1 x RXYQ144AA 1 x RXYQ168AA	2 x RXYQ168AA	1 x RXYQ168AA 1 x RXYQ192AA	2 x RXYQ192AA	1 x RXYQ192AA 1 x RXYQ216AA	2 x RXYQ216AA	1 x RXYQ216AA 1 x RXYQ240AA	2 x RXYQ240AA
	252,000	274,000	296,000	320,000	342,000	364,000	388,000	410,000	434,000	456,000
	282,000	294,000	320,000	338,000	376,000	386,000	394,000	404,000	414,000	424,000
	23 – 122 (-5 – 50)									
	-13 – 60 (-25 – 15.6)									
	67	69	69	69	70	71	71	72	72	73
	8965 + 9935	9935 + 9935	9935 + 9935	9935 + 9935	9935 + 13665	13665 + 13665	13665 + 14510	14510 + 14510	14510 + 14510	14510 + 14510
	0.12 / 0.32									
	2 + 2									
	(5934 + 5934) + (5496 + 5496)	(5496 + 5496) + (5496 + 5496)	(5496 + 5496) + (6684 + 6684)	(6684 + 6684) + (6684 + 6684)	(6684 + 6684) + (5586 + 5586)	(5586 + 5586) + (5586 + 5586)	(5586 + 5586) + (6294 + 6294)	(6294 + 6294) + (6294 + 6294)	(6294 + 6294) + (7272 + 7272)	(7272 + 7272) + (7272 + 7272)
	1-100	1-100	1-100	1-100	1-100	1-100	1-100	1-100	1-100	1-100
	164 (361 With Field Setting)*									
	130 (361 With Field Setting)*									
	98									
	540									
	623									
	3280									
	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	1-3/8	1-3/8	1-3/8	1-3/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8
	50 - 200 ¹									
	45	49	54	58	62	64				
	40 + 50 / 20 + 25	50 + 50 / 25 + 25	50 + 60 / 25 + 30 (25 + 25 ²)	60 + 60 / 30 + 30 (25 ² + 25 ²)	60 + 60 / 30 + 35 (25 ⁴ + 30 ²)	60 + 60 / 35 + 35 (30 ² + 30 ²)	60 + 70 / 35 + 35 (30 ² + 30 ²)	70 + 70 / 35 + 35 (30 ² + 30 ²)	70 + 80 / 35 + 40 (30 ² + 40)	80 + 80 / 40 + 40
	36.5 + 47.8 / 16.6 + 21.3	47.8 + 47.8 / 21.3 + 21.3	47.8 + 54.9 / 21.3 + 24.9	54.9 + 54.9 / 24.9 + 24.9	54.9 + 59.8 / 24.9 + 28.3	59.8 + 59.8 / 28.3 + 28.3	59.8 + 67.2 / 28.3 + 29.9	67.2 + 67.2 / 29.9 + 29.9	67.2 + 73.7 / 29.9 + 33.4	73.7 + 73.7 / 33.4 + 33.4
	(10.5 + 10.6) + (10.0 + 15.8) / (4.8 + 4.8) + (4.5 + 7.2)	(10.0 + 15.8) + (10.0 + 15.8) / (4.5 + 7.2) + (4.5 + 7.2)	(10.0 + 15.8) + (12.5 + 20.0) / (4.5 + 7.2) + (5.7 + 9.1)	(12.5 + 20.0) + (12.5 + 20.0) / (5.7 + 9.1) + (5.7 + 9.1)	(12.5 + 20.0) + (16.6 + 16.6) / (5.7 + 9.1) + (7.5 + 7.6)	(16.6 + 16.6) + (16.6 + 16.6) / (7.5 + 7.6) + (7.5 + 7.6)	(16.6 + 16.6) + (20.0 + 20.0) / (7.5 + 7.6) + (9.1 + 9.1)	(20.0 + 20.0) + (20.0 + 20.0) / (9.1 + 9.1) + (9.1 + 9.1)	(20.0 + 20.0) + (24.3 + 24.4) / (9.1 + 9.1) + (11.0 + 11.1)	(24.3 + 24.4) + (24.3 + 24.4) / (11.0 + 11.1) + (11.0 + 11.1)
	25.4 + 25.8	25.8 + 25.8	25.8 + 25.8	25.8 + 25.8	25.8 + 25.8	25.8 + 25.8	25.8 + 25.8	25.8 + 25.8	25.8 + 25.8	25.8 + 25.8
	683 + 750/ 694 + 761	750 + 750/ 761 + 761	750 + 750/ 761 + 761	750 + 750/ 761 + 761	750 + 904 / 761 + 915	904 + 904 / 915 + 915				
	(65-3/8 x 48-13/16 x 30-1/8) + (65-3/8 x 48-13/16 x 30-1/8)				(65-3/8 x 48-13/16 x 30-1/8) + (65-3/8 x 68-7/8 x 30-1/8)	(65-3/8 x 68-7/8 x 30-1/8) + (65-3/8 x 68-7/8 x 30-1/8)				



Daikin VRV EMERION is available in single and dual-module lineups. The introduction of new 16-20T single modules allows a system capacity of up to 40 Tons with just two modules. This helps reduce the overall space required for mechanical equipment and optimizes total project costs.

Features and Benefits

- » Low ambient cooling operation down to -4°F (-20°C) with a field setting and the addition of wind covers.
- » Expanded heating operation down to -22°F as standard
- » New, improved D4 net provides faster communication speeds and larger data volume, compared to the D3 net, with up to 30 times the amount of data compared to D3 net
- » Reduced installation and commissioning time through auto addressing feature with D4 communications protocol
- » R-32 system provides lower global warming potential (GWP) refrigerant along with improved efficiency and requires lower total system charge compared to previous R-410A systems with equivalent capacity and indoor unit match **
- » Designed for increased energy savings through new improved VRT technology with evaporating temperature control at each indoor unit (BS required) **
- » New remote field setting option that allows data retrieval and field setting changes of units on the system from anywhere, without the need for physical access to each room
- » New field setting that allows reuse of R-410A piping network for new R-32 system, eliminating need to replace for retrofit applications
- » Seven segment display to read refrigerant temperatures and pressure on digital display
- » Vertical separation up to 361 FT with field setting *
- » Continuous heating during defrost capability with single module (16T - 20T) and all dual module systems (22T – 40T)
- » Hot gas defrost circuit eliminates the need for a base pan heater
- » High dust and moisture protection with an IP55 rated sealed electrical box
- » Design flexibility to enlarge system from single to dual-module without changes to installed main pipe sizes for phased installation or tenant fit-out buildings
- » Built-in data recorder to store up to 40 minutes of operational data



- » Integrates with new Daikin HERO ecosystem, an IoT based remote monitoring and diagnostics platform
- » Engineered for ease of installation and service with three-segment panel design
- » Extend benefits of inverter technology to custom terminal units and air handler units (AHUs) through AHU integration kits

* Refer to engineering and installation manuals for application rules.

** Model specific; check product specification for details.



* Complete commercial warranty details available from your local distributor or manufacturer's representative or at www.daikincomfort.com.

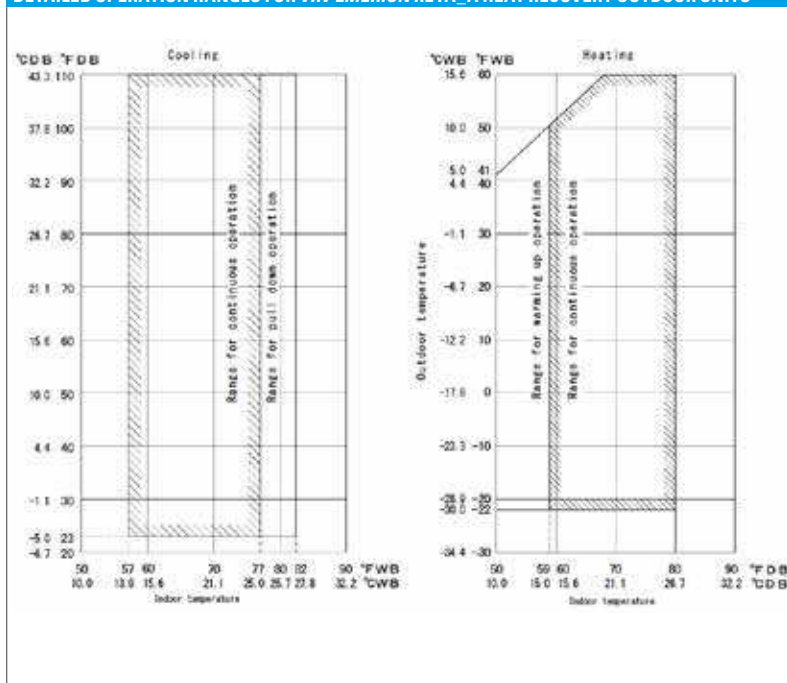


VRV EMERION CERTIFIED DATA - HEAT RECOVERY, -230V/60HZ/3PH, 460V/60HZ/3PH

Product #	Capacity (Tons)	IEER Non-Ducted	IEER Ducted	IEER Mixed	SCHE Non-Ducted	SCHE Ducted	SCHE Mixed	COP @ 47°F Non-Ducted	COP @ 47°F Ducted	COP @ 47°F Mixed	COP @ 17°F Non-Ducted	COP @ 17°F Ducted	COP @ 17°F Mixed	EER Non-Ducted	EER Ducted	EER Mixed
REYA72AA	6	23.60	21.20	22.40	19.10	13.20	16.15	3.80	3.60	3.70	2.40	2.40	2.40	12.50	12.40	12.45
REYA96AA	8	24.20	21.20	22.70	18.90	13.60	16.25	3.80	3.60	3.70	2.30	2.25	2.28	12.20	12.00	12.10
REYA120AA	10	23.00	20.20	21.60	19.50	13.20	16.35	3.50	3.50	3.50	2.25	2.25	2.25	11.10	11.10	11.10
REYA144AA	12	22.70	19.70	21.20	19.60	15.00	17.30	3.30	3.35	3.33	2.10	2.10	2.10	11.20	11.00	11.10
REYA168AA	14	21.70	19.00	20.35	21.10	15.60	18.35	3.30	3.30	3.30	2.10	2.10	2.10	10.70	10.70	10.70
REYA192AA	16	22.20	19.80	21.00	21.20	16.40	18.80	3.48	3.40	3.44	2.25	2.25	2.25	11.40	11.30	11.35
REYA216AA	18	21.80	18.70	20.25	21.90	17.40	19.65	3.35	3.35	3.35	2.20	2.20	2.20	10.90	11.00	10.95
REYA240AA	20	20.40	18.00	19.20	21.10	16.40	18.75	3.30	3.30	3.30	2.20	2.20	2.20	10.70	10.70	10.70
REYA264AA	22	21.60	18.40	20.00	21.40	16.10	18.75	3.70	3.25	3.48	2.20	2.20	2.20	11.20	10.20	10.70
REYA288AA	24	21.00	18.40	19.70	20.50	17.20	18.85	3.45	3.25	3.35	2.20	2.10	2.15	11.40	10.40	10.90
REYA312AA	26	20.60	18.00	19.30	21.10	15.20	18.15	3.40	3.20	3.30	2.20	2.10	2.15	10.90	10.20	10.55
REYA336AA	28	19.80	17.70	18.75	20.50	16.10	18.30	3.40	3.20	3.30	2.10	2.10	2.10	9.80	10.00	9.90
REYA360AA	30	18.90	17.40	18.15	19.40	15.10	17.25	3.40	3.20	3.30	2.10	2.10	2.10	10.50	9.70	10.10
REYA384AA	32	20.70	18.00	19.35	15.80	11.60	13.70	3.35	3.20	3.28	2.10	2.10	2.10	10.50	9.90	10.20
REYA408AA	34	19.90	17.20	18.55	14.50	11.70	13.10	3.35	3.20	3.28	2.10	2.10	2.10	10.00	9.70	9.85
REYA432AA	36	18.80	16.80	17.80	12.20	11.50	11.85	3.30	3.20	3.25	2.10	2.10	2.10	9.80	9.30	9.55
REYA456AA	38	18.30	16.20	17.25	10.20	11.00	10.60	3.30	3.20	3.25	2.10	2.10	2.10	9.40	9.00	9.20
REYA480AA	40	18.00	15.80	16.90	9.10	10.00	9.55	3.30	3.20	3.25	2.10	2.10	2.10	8.90	9.00	8.95

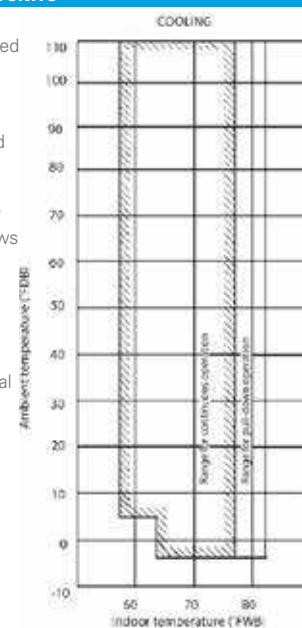
Certified efficiency data in accordance with ANSI/AHRI Standard 1230-2023, "Performance Rating of Variable Refrigerant Flow Multi-Split Air Conditioning and Heat Pump Equipment" for the VRV series. The VRV EMERION series has been designed and optimized to meet or exceed the latest minimum efficiency requirements in 10 C.F.R. Part 431 as determined by the U.S. Department of Energy (DOE) and baseline efficiencies as defined by ASHRAE 90.1 2022. Systems under 65MBH are currently certified to AHRI 210/240. IEER ratings are as defined in ASHRAE 90.1 2016.

DETAILED OPERATION RANGES FOR VRV EMERION REYA_A HEAT RECOVERY OUTDOOR UNITS



TECHNICAL COOLING FEATURE FOR VRV EMERION REYA_A HEAT RECOVERY OUTDOOR UNITS

Technical Cooling - Cooling operation extended from 23°F ambient air temperature down to -4°F. The Technical Cooling feature is engaged by field settings on the outdoor unit, SSOV required. It requires addition of snow hoods to the unit and allows operation down to -4°F DB ambient temperature in cooling mode. See the Engineering Data book for complete application rules and contact your local Daikin representative for wind cover specification requirements.




TECHNICAL DATA FOR R32 VRV EMERION - AATJA/AAYDA HEAT RECOVERY OUTDOOR UNITS (SINGLE MODULES)

TECHNICAL DATA CHART FOR EMERSON™ YORK™ YORK® YORK		
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*Varies based on indoor model selected * Refer to engineering and installation manuals for rules and conditions


TECHNICAL DATA FOR R32 VRV EMERION- AATJA/AYDA HEAT RECOVERY OUTDOOR UNITS (DUAL MODULES)

			22 Ton	24 Ton	26 Ton	28 Ton	30 Ton	32 Ton	34 Ton	36 Ton	38 Ton	40 Ton
	208-230V/3Ph/60Hz		REYA284AATJA	REYA288AATJA	RXYA312AATJA	REYA336AATJA	REYA360AATJA	REYA384AATJA	REYA408AATJA	REYA432AATJA	REYA456AATJA	REYA480AATJA
	460V/3Ph/60Hz		REYA284AAYDA	REYA288AAYDA	RXYA312AAYDA	REYA336AAYDA	REYA360AAYDA	REYA384AAYDA	REYA408AAYDA	REYA432AAYDA	REYA456AAYDA	REYA480AAYDA
	Combination		1 x REYA120AA 1 x REYA144AA	2 x REYA144AA	1 x REYA144AA 1 x REYA168AA	2 x REYA168AA	1 x REYA168AA 1 x REYA192AA	2 x REYA192AA	1 x REYA192AA 1 x REYA216AA	2 x REYA216AA	1 x REYA216AA 1 x REYA240AA	2 x REYA240AA
	Nominal Cooling Capacity	BTU/h	264,000	286,000	310,000	330,000	358,000	382,000	406,000	430,000	444,000	456,000
	Nominal Heating Capacity	BTU/h	297,000	324,000	351,000	378,000	405,000	432,000	459,000	486,000	513,000	540,000
	Operation Range Cooling	°F DB	4* – 122 (-20* – 50)									
	Operation Range Heating	°F WB	-22 – 60 (-30 – 15.5)									
	Sound Pressure Level	dB(A)	67	69	69	69	70	71	71	72	72	73
	Airflow	CFM	8965 + 9675	9675 + 9675	9675 + 9675	9675 + 9675	9675 + 13650	13650 + 13650	13650 + 14505	14505 + 14505	14505 + 14505	14505 + 14505
	Maximum Vertical Pipe Length Above Unit	ft.	164 (361 With Field Setting)*									
	Maximum Vertical Pipe Length Below Unit	ft.	130 (361 With Field Setting)*									
	Maximum Vertical Pipe Length Between IDU	ft.	100									
	Maximum Actual Pipe Length	ft.	541									
	Maximum Equivalent Pipe Length	ft.	620									
	Maximum Total Pipe Length	ft.	3280									
	Refrigerant		R32									
	Liquid Pipe (Main Line)	in	5/8	5/8	5/8	5/8	5/8	5/8	3/4	3/4	3/4	3/4
	Suction Gas Pipe (Main Line)	in	1-1/8	1-3/8	1-3/8	1-3/8	1-3/8	1-3/8	1-5/8	1-5/8	1-5/8	1-5/8
	Discharge Gas Pipe (Main Line)	in	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8
	Connectable Indoor Unit Ratio	%	50 – 2001									
	Maximum Number of Indoor Units	Qty	45	49	54	58	62	64				
	Maximum OverCurrent Protection, MOP (208-230V / 460V)	A	45 + 60 / 25 + 30	60 + 60 / 30 + 30	60 + 70 / 30 + 30	70 + 70 / 30 + 30	70 + 80 / 30 + 35	80 + 80 / 35 + 35	80 + 80 / 35 + 40	80 + 80 / 40 + 40	80 + 90 / 40 + 40	90 + 90 / 40 + 40
	Minimum Circuit Amps, MCA (208-230V / 460V)	A	40 + 50 / 18.2 + 23.3	50 + 50 / 23.2 + 23.3	50 + 60.2 / 23.3 + 27.1	60.2 + 60.2 / 27.1 + 27.1	60.2 + 64.2 / 27.1 + 30.7	64.2 + 64.2 / 30.7 + 30.7	64.2 + 70 / 30.7 + 32.8	70 + 70 / 32.8 + 32.8	70 + 79.1 / 32.8 + 35.1	79.1 + 79.1 / 35.1 + 35.1
	Outdoor Unit Size (HxWxD)	in	(65-3/8 x 48-13/16 x 30-1/8) + (65-3/8 x 48-13/16 x 30-1/8)				(65-3/8 x 48-13/16 x 30-1/8) + (65-3/8 x 68-7/8 x 30-1/8)	(65-3/8 x 68-7/8 x 30-1/8) + (65-3/8 x 68-7/8 x 30-1/8)				
	Weight (208-230V / 460V)	lbs.	739 + 825 / 754 + 840	825 + 825 / 840 + 840	825 + 827 / 840 + 842	827 + 827 / 842 + 842	827 + 1010 / 842 + 1025	1010 + 1010 / 1025 + 1025				

*Varies based on indoor model selected * Refer to engineering and installation manuals for rules and conditions



Daikin *VRV EMERION* is available in single and dual-module lineups. The introduction of new 16-20T single modules allows a system capacity of up to 40 Tons with just two modules. This helps reduce the overall space required for mechanical equipment and optimizes total project costs.

Features and Benefits

- » Low ambient cooling operation down to -4°F (-20°C) with a field setting and the addition of wind covers. (Only with safety shut off valves for heat pump models)
 - » Expanded heating operation down to -22°F as standard
 - » New, improved D4 net provides faster communication speeds and larger data volume, compared to the D3 net, with up to 30 times the amount of data compared to D3 net
 - » Reduced installation and commissioning time through auto addressing feature with D4 communications protocol
 - » R-32 system provides lower global warming potential (GWP) refrigerant along with improved efficiency and requires lower total system charge compared to previous R-410A systems with equivalent capacity and indoor unit match**
 - » Designed for increased energy savings through new improved VRT technology with evaporating temperature control at each indoor unit (SSOV required)**
 - » New remote field setting option that allows data retrieval and field setting changes of units on the system from anywhere, without the need for physical access to each room
 - » New field setting that allows reuse of R-410A piping network for new R-32 system, eliminating need to replace for retrofit applications
 - » Seven segment display to read refrigerant temperatures and pressure on digital display
 - » Vertical separation up to 361 FT with field setting*
 - » Continuous heating during defrost capability with single module (16T - 20T) and all dual module systems (22T - 40T)
 - » Hot gas defrost circuit eliminates the need for a base pan heater
 - » High dust and moisture protection with an IP55 rated sealed electrical box
- » Design flexibility to enlarge system from single to dual-module without changes to installed main pipe sizes for phased installation or tenant fit-out buildings
 - » Built-in data recorder to store up to 40 minutes of operational data
 - » Integrates with new Daikin *HERO* ecosystem, an IoT based remote monitoring and diagnostics platform
 - » Engineered for ease of installation and service with three-segment panel design
 - » Extend benefits of inverter technology to custom terminal units and air handler units (AHUs) through AHU integration kits

* Refer to engineering and installation manuals for rules and conditions

** Model specific; check product specification for details



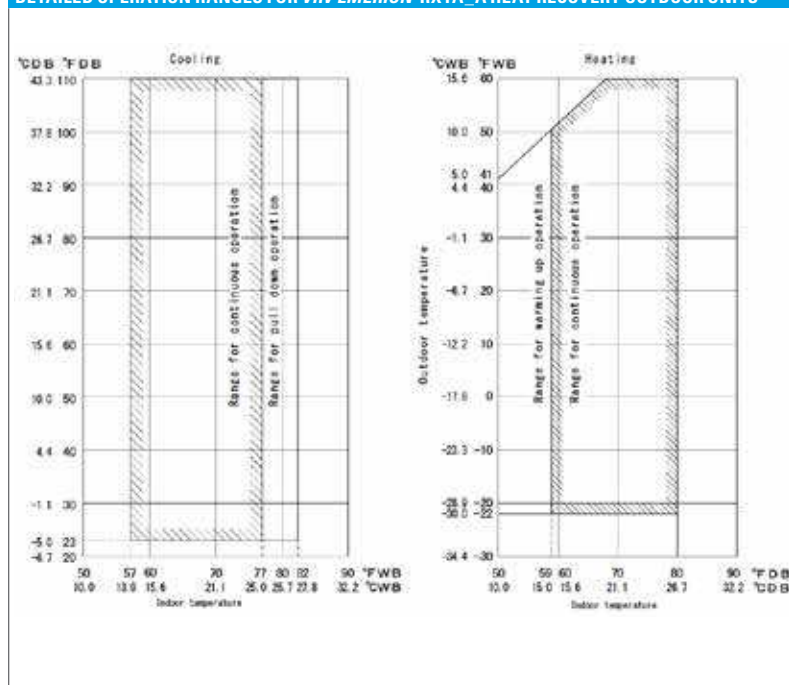


VRV EMERION CERTIFIED DATA - HEAT PUMP, -230V/60HZ/3PH, 460V/60HZ/3PH

Product #	Capacity (Tons)	IEER Non-Ducted	IEER Ducted	IEER Mixed	COP @ 47°F Ducted	COP @ 47°F Ducted	COP @ 47°F Mixed	COP @ 17°F Non-Ducted	COP @ 17°F Ducted	COP @ 17°F Mixed	EER Non-Ducted	EER Ducted	EER Mixed
RXYA72AA	6	23.50	21.00	22.25	3.64	3.60	3.62	2.40	2.40	2.40	12.50	12.40	12.45
RXYA96AA	8	24.50	20.80	22.65	3.50	3.40	3.45	2.30	2.25	2.28	12.20	12.00	12.10
RXYA120AA	10	22.80	20.00	21.40	3.40	3.40	3.40	2.25	2.25	2.25	11.10	11.10	11.10
RXYA144AA	12	22.40	19.60	21.00	3.30	3.35	3.33	2.10	2.10	2.10	11.00	11.00	11.00
RXYA168AA	14	21.70	18.80	20.25	3.30	3.30	3.30	2.10	2.10	2.10	10.70	10.70	10.70
RXYA192AA	16	22.40	19.40	20.90	3.48	3.40	3.44	2.24	2.24	2.24	11.40	11.30	11.35
RXYA216AA	18	21.70	18.70	20.20	3.35	3.35	3.35	2.20	2.20	2.20	10.90	11.00	10.95
RXYA240AA	20	20.40	18.00	19.20	3.25	3.25	3.25	2.18	2.18	2.18	10.70	10.70	10.70
RXYA264AA	22	21.60	18.30	19.95	3.40	3.20	3.30	2.20	2.20	2.20	11.00	10.20	10.60
RXYA288AA	24	21.00	18.20	19.60	3.50	3.25	3.38	2.20	2.10	2.15	10.80	10.40	10.60
RXYA312AA	26	20.60	17.70	19.15	3.50	3.20	3.35	2.20	2.10	2.15	10.30	10.10	10.20
RXYA336AA	28	19.00	17.30	18.15	3.50	3.20	3.35	2.10	2.10	2.10	9.40	9.40	9.40
RXYA360AA	30	19.80	17.40	18.60	3.50	3.25	3.38	2.10	2.10	2.10	10.40	9.40	9.90
RXYA384AA	32	20.40	17.80	19.10	3.45	3.25	3.35	2.10	2.10	2.10	10.50	9.90	10.20
RXYA408AA	34	19.90	17.20	18.55	3.45	3.25	3.35	2.10	2.10	2.10	10.10	9.30	9.70
RXYA432AA	36	19.00	16.80	17.90	3.30	3.25	3.28	2.10	2.10	2.10	9.60	9.20	9.40
RXYA456AA	38	19.00	17.00	18.00	3.30	3.25	3.28	2.10	2.10	2.10	9.40	9.20	9.30
RXYA480AA	40	18.40	16.80	17.60	3.25	3.20	3.23	2.10	2.10	2.10	9.40	9.10	9.25

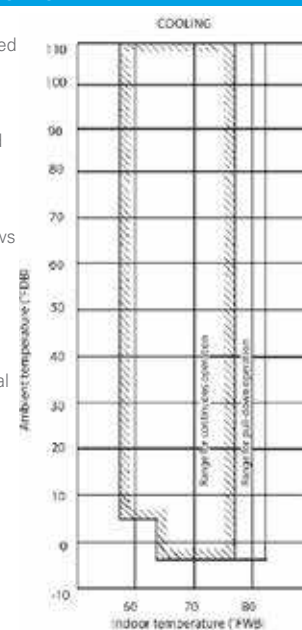
Certified efficiency data in accordance with ANSI/AHRI Standard 1230-2023, "Performance Rating of Variable Refrigerant Flow Multi-Split Air Conditioning and Heat Pump Equipment" for the VRV series. The VRV EMERION series has been designed and optimized to meet or exceed the latest minimum efficiency requirements in 10 C.F.R. Part 431 as determined by the U.S. Department of Energy (DOE) and baseline efficiencies as defined by ASHRAE 90.1 2022. Systems under 65MBH are currently certified to AHRI 210/240. IEER ratings are as defined in ASHRAE 90.1 2016.

DETAILED OPERATION RANGES FOR VRV EMERION RXYA_A HEAT RECOVERY OUTDOOR UNITS



TECHNICAL COOLING FEATURE FOR VRV EMERION RXYA_A HEAT RECOVERY OUTDOOR UNITS

Technical Cooling - Cooling operation extended from 23°F ambient air temperature down to -4°F. The Technical Cooling feature is engaged by field settings on the outdoor unit, SSOV required. It requires addition of snow hoods to the unit and allows operation down to -4°F DB ambient temperature in cooling mode. See the Engineering Data book for complete application rules and contact your local Daikin representative for wind cover specification requirements.




TECHNICAL DATA FOR R32 VRV EMERION - AATJA/AAYDA HEATPUMP OUTDOOR UNITS (SINGLE MODULES)

		6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton	20 Ton	
Model	208-230V/3Ph/60Hz	RXYA72AATJA	RXYA96AATJA	RXYA120AATJA	RXYA144AATJA	RXYA168AATJA	RXYA192AATJA	RXYA216AATJA	RXYA240AATJA	
	460V/3Ph/60Hz	RXYA72AAYDA	RXYA96AAYDA	RXYA120AAYDA	RXYA144AAYDA	RXYA168AAYDA	RXYA192AAYDA	RXYA216AAYDA	RXYA240AAYDA	
	Combination	--	--	--	--	--	--	--	--	
Performance	Nominal Cooling Capacity	BTU/h	72,000	96,000	119,000	144,000	162,000	192,000	216,000	238,000
	Nominal Heating Capacity	BTU/h	81,000	108,000	135,000	162,000	189,000	216,000	243,000	270,000
	Operation Range Cooling	°F(°C) DB	-4* – 122 (-20* – 50)							
	Operation Range Heating	°F(°C) DB	-22 – 60 (-30 – 15.5)							
	Sound Pressure Level	dB(A)	58	61	61	65	65	67	68	69
	Airflow	CFM	6200	8965	8965	9675	9675	13650	14505	14505
Refrigerant Piping Layout	Maximum Vertical Pipe Length Above IDU Unit	ft.	164 (361 With Field Setting)*							
	Maximum Vertical Pipe Length Below IDU Unit	ft.	130 (361 With Field Setting)*							
	Maximum Vertical Pipe Length Between IDU	ft.	100							
	Maximum Actual Pipe Length	ft.	541							
	Maximum Equivalent Pipe Length	ft.	620							
	Maximum Total Pipe Length	ft.	3280							
Refrigerant Piping	Refrigerant		R32							
	Liquid Pipe (Main Line)	in	3/8	3/8	1/2	1/2	1/2	1/2	1/2	5/8
	Suction Gas Pipe (Main Line)	in	3/4	7/8	7/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8
Connection Ratio	Connectable Indoor Unit Ratio	%	50 – 2001							
	Maximum Number of Indoor Units	Qty	12	16	20	25	29	33	37	41
Electrical	Maximum OverCurrent Protection, MOP (208-230V / 460V)	A	35 / 20	40 / 20	45 / 25	60 / 30	70 / 30	80 / 35	80 / 40	90 / 40
	Minimum Circuit Amps, MCA (208-230V / 460V)	A	33 / 14.9	34.9 / 17.5	40 / 18.2	50 / 23.3	60.2 / 27.1	64.2 / 30.7	70 / 32.8	79.1 / 35.1
Unit	Outdoor Unit Size (HxWxD)	in	65-3/8 x 36-5/8 x 30-1/8	65-3/8 x 48-13/16 x 30-1/8				65-3/8 x 68-7/8 x 30-1/8		
	Weight (208-230V / 460V)	lbs.	549 / 564	736 / 752	739 / 754	825 / 840	827 / 842	1010 / 1025	1010 / 1025	1010 / 1025

*Varies based on indoor model selected * Refer to engineering and installation manuals for rules and conditions


TECHNICAL DATA FOR R32 VRV EMERION - AATJA/AAYDA HEATPUMP OUTDOOR UNITS (DUAL MODULES)

		22 Ton	24 Ton	26 Ton	28 Ton	30 Ton	32 Ton	34 Ton	36 Ton	38 Ton	40 Ton
	208-230V/3Ph/60Hz	RXYA264AATJA	RXYA288AATJA	RXYA312AATJA	RXYA336AATJA	RXYA360AATJA	RXYA384AATJA	RXYA408AATJA	RXYA432AATJA	RXYA456AATJA	RXYA480AATJA
	460V/3Ph/60Hz	RXYA264AAYDA	RXYA288AAYDA	RXYA312AAYDA	RXYA336AAYDA	RXYA360AAYDA	RXYA384AAYDA	RXYA408AAYDA	RXYA432AAYDA	RXYA456AAYDA	RXYA480AAYDA
	Combination	1 x RXYA120AA 1 x RXYA144AA	2 x RXYA144AA	1 x RXYA144AA 1 x RXYA168AA	2 x RXYA168AA	1 x RXYA168AA 1 x RXYA192AA	2 x RXYA192AA	1 x RXYA192AA 1 x RXYA216AA	2 x RXYA216AA	1 x RXYA216AA 1 x RXYA240AA	2 x RXYA240AA
	Nominal Cooling Capacity	BTU/h	264,000	286,000	310,000	330,000	358,000	382,000	406,000	430,000	456,000
	Nominal Heating Capacity	BTU/h	297,000	324,000	351,000	378,000	405,000	432,000	459,000	486,000	513,000
	Operation Range Cooling	°F DB	4* – 122 (-20* – 50)								
	Operation Range Heating	°F WB	-22 – 60 (-30 – 15.5)								
	Sound Pressure Level	dB(A)	67	69	69	69	70	71	71	72	73
	Airflow	CFM	8965 + 9675	9675 + 9675	9675 + 9675	9675 + 9675	9675 + 13650	13650 + 13650	13650 + 14505	14505 + 14505	14505 + 14505
	Maximum Vertical Pipe Length Above Unit	ft.	164 (361 With Field Setting)*								
	Maximum Vertical Pipe Length Below Unit	ft.	130 (361 With Field Setting)*								
	Maximum Vertical Pipe Length Between IDU	ft.	100								
	Maximum Actual Pipe Length	ft.	541								
	Maximum Equivalent Pipe Length	ft.	620								
	Maximum Total Pipe Length	ft.	3280								
	Refrigerant		R32								
	Liquid Pipe (Main Line)	in	5/8	5/8	5/8	5/8	5/8	5/8	3/4	3/4	3/4
	Suction Gas Pipe (Main Line)	in	1-1/8	1-3/8	1-3/8	1-3/8	1-3/8	1-3/8	1-5/8	1-5/8	1-5/8
	Connectable Indoor Unit Ratio	%	50 – 2001								
	Maximum Number of Indoor Units	Qty	45	49	54	58	62	64			
	Maximum OverCurrent Protection, MOP (208-230V / 460V)	A	45 + 60 / 25 + 30	60 + 60 / 30 + 30	60 + 70 / 30 + 30	70 + 70 / 30 + 30	70 + 80 / 30 + 35	80 + 80 / 35 + 35	80 + 80 / 35 + 40	80 + 80 / 40 + 40	90 + 90 / 40 + 40
	Minimum Circuit Amps, MCA (208-230V / 460V)	A	40 + 50 / 18.2 + 23.3	50 + 50 / 23.2 + 23.3*	50 + 60.2 / 23.3 + 27.1	60.2 + 60.2 / 27.1 + 27.1	60.2 + 64.2 / 27.1 + 30.7	64.2 + 64.2 / 30.7 + 30.7	64.2 + 70 / 30.7 + 32.8	70 + 70 / 32.8 + 32.8	70 + 79.1 / 32.8 + 35.1
	Outdoor Unit Size (HxWxD)	in	(65-3/8 x 48-13/16 x 30-1/8) + (65-3/8 x 48-13/16 x 30-1/8)				(65-3/8 x 48-13/16 x 30-1/8) + (65-3/8 x 68-7/8 x 30-1/8)	(65-3/8 x 68-7/8 x 30-1/8) + (65-3/8 x 68-7/8 x 30-1/8)			
	Weight (208-230V / 460V)	lbs.	739 + 825 / 754 + 840	825 + 825 / 840 + 840	825 + 827 / 840 + 842	827 + 827 / 842 + 842	827 + 1010 / 842 + 1025	1010 + 1010 / 1025 + 1025			

*Varies based on indoor model selected * Refer to engineering and installation manuals for rules and conditions

VRV IV X

Air-Cooled Heat Recovery

Engineered and assembled in North America, Daikin's VRV IV X Heat Recovery adapts VRV to North American HVAC market needs by expanding the applications in which VRV can be leveraged to solve traditional HVAC challenges. Packed with advanced technology, the VRV IV X is the industry's first 3-phase variable refrigerant flow system with dual-fuel capability. The new series is equipped with features to optimize initial capital required on phased installations and provides ease of service and maintenance.

Features and Benefits

- » Adapting VRV to North American market needs
 - Industry's first 3-phase variable refrigerant flow system to integrate with communicating gas furnaces.
 - Design flexibility to enlarge system from single to dual module or dual to triple module without change to installed main pipe sizes¹.
 - Engineered to optimize capital on phased and tenant fit out commercial buildings.
 - Choice of gas furnace or heat pump heating for optimizing operational costs based on utility cost.
 - Year round comfort and energy savings with Variable Refrigerant Temperature (VRT) technology.
- » Technology that matters
 - Engineered with Daikin's patented vapor injection compressor technology.
 - Corrosion resistant up to 1000[†] hours Daikin Blue Fin coating as factory standard.
 - Heat exchanger engineered with a bottom refrigerant circuit that allows installation without base pan heater.
 - Refrigerant cooled inverter technology keeps PCB cool independent of ambient temperature.
- » Engineered for maintenance
 - New service window provides ease of access to the multi-functional display without removing the main electrical panel. The built-in multi-functional display is utilized for commissioning and maintenance and quickly converts to digital gauges to provide refrigerant pressure and temperatures.
 - Multi-functional display eliminates the need to connect gauges during regular maintenance checks.
 - Ease of commissioning with ability to program off site and upload using configurator tool.

VRV IV X

Applications:



- Field performable intermittent outdoor fan operation to help minimize snow accumulation on fan blades when the system is in thermal off.
- Seamless integration with T-Series and *Flex Branch Selector* Boxes, M, P, and T-Series indoor units.
- Compatible with the full suite of Daikin VRV controls.
- Outstanding 10-Year Parts Warranty* as standard.

* Complete commercial warranty details available from your local distributor or manufacturer's representative or at www.daikincomfort.com.

[†] When testing in accordance to ASTM B117 methodology.

¹ Refer to engineering manuals for design rules and pipe sizes.

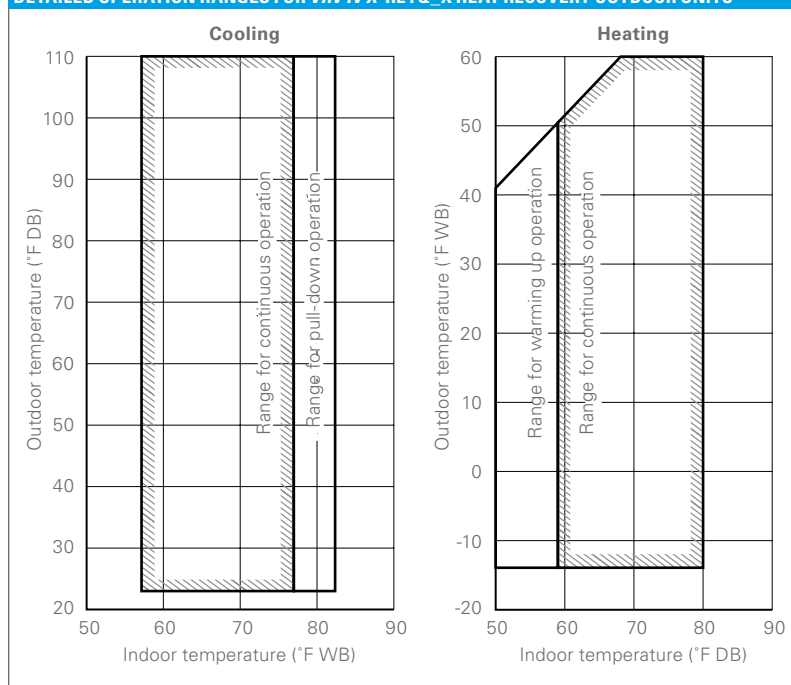


VRF IV X CERTIFIED DATA - HEAT RECOVERY, -230V/60HZ/3PH, 460V/60HZ/3PH

Product #	Capacity (Tons)	IEER Non-Ducted	IEER Ducted	IEER Mixed	SCHE Non-Ducted	SCHE Ducted	SCHE Mixed	COP @ 47°F Non-Ducted	COP @ 47°F Ducted	COP @ 47°F Mixed	COP @ 17°F Non-Ducted	COP @ 17°F Ducted	COP @ 17°F Mixed	EER Non-Ducted	EER Ducted	EER Mixed
REYQ72XA	6	25.20	21.30	23.25	26.10	22.00	24.05	4.30	3.68	3.99	2.50	2.25	2.38	15.80	13.90	14.85
REYQ96XA	8	27.80	21.90	24.85	26.40	21.10	23.75	4.23	3.56	3.90	2.63	2.31	2.47	14.60	12.50	13.55
REYQ120XA	10	25.50	22.60	24.05	26.00	22.00	24.00	3.81	3.48	3.65	2.54	2.28	2.41	13.20	12.30	12.75
REYQ144XA	12	23.50	21.60	22.55	25.50	22.00	23.75	3.75	3.42	3.59	2.16	2.12	2.14	11.90	11.60	11.75
REYQ168XA	14	22.30	20.40	21.35	25.50	22.20	23.85	3.55	3.30	3.43	2.08	2.05	2.07	10.70	10.70	10.70
REYQ192XA	16	22.60	21.40	22.00	26.60	22.80	24.70	3.85	3.67	3.76	2.50	2.37	2.44	13.00	13.00	13.00
REYQ216XA	18	23.10	21.70	22.40	25.50	21.90	23.70	3.76	3.52	3.64	2.34	2.20	2.27	12.40	12.30	12.35
REYQ240XA	20	22.20	20.00	21.10	25.60	21.80	23.70	3.68	3.39	3.54	2.34	2.16	2.25	11.60	11.70	11.65
REYQ264XA	22	21.60	18.00	19.80	26.10	18.20	22.15	3.62	3.20	3.41	2.22	2.07	2.15	11.20	10.40	10.80
REYQ288XA	24	21.00	17.90	19.45	23.30	19.90	21.60	3.51	3.20	3.36	2.20	2.06	2.13	11.00	10.30	10.65
REYQ312XA	26	20.40	18.00	19.20	24.30	20.70	22.50	3.56	3.20	3.38	2.09	2.05	2.07	10.10	9.90	10.00
REYQ336XA	28	20.00	17.30	18.65	23.30	19.80	21.55	3.53	3.20	3.37	2.12	2.05	2.09	9.90	9.50	9.70
REYQ360XA	30	20.00	18.80	19.40	23.00	19.40	21.20	3.56	3.20	3.38	2.25	2.10	2.18	10.90	10.60	10.75
REYQ384XA	32	19.00	17.60	18.30	21.90	17.00	19.45	3.21	3.20	3.21	2.22	2.06	2.14	9.70	9.90	9.80
REYQ408XA	34	17.20	17.70	17.45	21.80	18.30	20.05	3.21	3.20	3.21	2.09	2.05	2.07	9.80	9.70	9.75
REYQ432XA	36	16.20	17.30	16.75	20.20	18.10	19.15	3.21	3.20	3.21	2.08	2.06	2.07	9.80	9.70	9.75
REYQ456XA	38	16.20	16.70	16.45	18.80	17.90	18.35	3.21	3.20	3.21	2.07	2.05	2.06	9.30	9.50	9.40

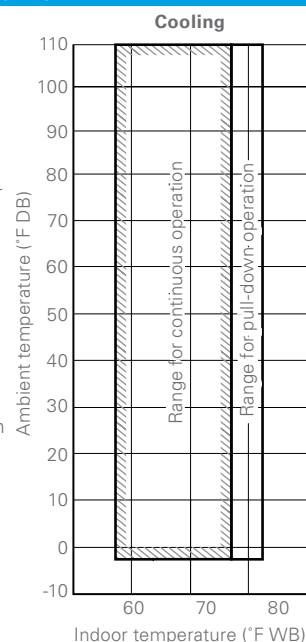
Certified efficiency data in accordance with ANSI/AHRI Standard 1230 2014, "Performance Rating of Variable Refrigerant Flow Multi-Split Air Conditioning and Heat Pump Equipment" for the VRF series. The VRF IV X series has been designed and optimized to meet or exceed the latest minimum efficiency requirements in 10 C.F.R. Part 431 as determined by the U.S. Department of Energy (DOE) and baseline efficiencies as defined by ASHRAE 90.1 2016. Systems under 65MBH are currently certified to AHRI 210/240. IEER ratings are as defined in ASHRAE 90.1 2016.

DETAILED OPERATION RANGES FOR VRF IV X REYQ_X HEAT RECOVERY OUTDOOR UNITS



TECHNICAL COOLING FEATURE FOR VRF IV XREYQ_X HEAT RECOVERY OUTDOOR UNITS

Technical Cooling-
Cooling operation
extended from 23°F
ambient air temperature
down to -4°.
The Technical Cooling
feature is engaged by field
settings on the outdoor
unit and on branch selector
boxes. It requires addition
of snow hoods to the unit
and allows operation
down to -4°F DB
ambient temperature in
cooling mode.
See the Engineering Data
book for complete applica-
tion rules and contact your
local Daikin representative
for wind cover specification
requirements.



VRV IV X

Air-Cooled Heat Recovery (cont.)



TECHNICAL DATA FOR VRV IV X-TATJA/TAYDA HEAT RECOVERY OUTDOOR UNITS

Model			6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton	20 Ton	
	208-230V/3Ph/60Hz		REYQ72XATJB	REYQ96XATJB	REYQ120XATJB	REYQ144XATJB	REYQ168XATJB	REYQ192XATJB	REYQ216XATJB	REYQ240XATJB	
	460V/3Ph/60Hz		REYQ72XAYDB	REYQ96XAYDB	REYQ120XAYDB	REYQ144XAYDB	REYQ168XAYDB	REYQ192XAYDB	REYQ216XAYDB	REYQ240XAYDB	
Performance	Combination							2 x REYQ96XA	1 x REYQ96XA 1 x REYQ120XA	2 x REYQ120XA	
	Rated Cooling Capacity	BTU/h	69,000	92,000	114,000	138,000	156,000	184,000	206,000	228,000	
	Rated Heating Capacity	BTU/h	77,000	103,000	129,000	154,000	174,000	206,000	232,000	256,000	
	Standard Operation Range Cooling	°F (°C) DB	23 to 122								
	Standard Operation Range Heating	°F (°C) WB	-13 to 60								
	Sound Pressure	dB(A)	65	65	65	66	66	68	68	68	
	Airflow	CFM	7283	7989	7989	9480	9480	7989 + 7989	7989 + 7989	7989 + 7989	
Compressor	Fan ESP, Standard/Max	in. W.G.	0.12 / 0.32								
	Compressors, all inverter	Qty	1					2			
	Revolutions per minute	RPM	3738	5142	6888	5214	6330	5214 + 5214	5994 + 5994	6702 + 6702	
	Capacity Control Range	%	15-100	13-100	11-100	14-100	12-100	6-100	6-100	5-100	
Refrigerant Piping, Layout	Maximum Vertical Pipe Length Above Unit	ft.	164 (295 With Field Setting)								
	Maximum Vertical Pipe Length Below Unit	ft.	130 (195 With Field Setting)								
	Maximum Vertical Pipe Length Between IDU	ft.	100								
	Maximum Actual Pipe Length	ft.	541								
	Maximum Equivalent Pipe Length	ft.	620								
	Maximum Total Pipe Length	ft.	3,280								
Refrigerant Piping, Connections	Liquid Pipe, Main Line	in.	3/8	3/8	1/2	1/2	5/8	5/8	5/8	5/8	
	Suction Gas Pipe, Main Line	in.	3/4	7/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-3/8	
	Discharge Gas Pipe, Main Line	in.	5/8	3/4	3/4	7/8	7/8	1-1/8	1-1/8	1-1/8	
Connection Ratio	Standard Connectable Indoor Unit Ratio	%	70 - 200 ¹								
	Maximum Number of Indoor Units	Qty	12	16	20	25	29	33	37	41	
Electrical	Maximum Overcurrent Protection, MOP (208-230v/460v)	A	45 / 25	45 / 25	50 / 25	70 / 40	70 / 40	45 + 45 / 25 + 25 /	45 + 50 / 25 + 25 /	50 + 50 / 25 + 25 /	
	Minimum Circuit Amps, MCA (208-230v/460v)	A	38.1 / 18.9	38.1 / 21.1	43.0 / 21.1	58.3 / 27.9	61.9 / 31.1	38.1 + 38.1 / 21.1 + 21.1 /	38.1 + 43.0 / 21.1 + 21.1 /	43.0 + 43.0 / 21.1 + 21.1 /	
	Compressor Rated Load Amps, (208-230v/460v)	A	20.8 / 9.4	23.3 / 10.5	28.2 / 12.8	42.6 / 19.3	49.0 / 22.2	24.7 + 24.7 / 11.2 + 11.2 /	28.5 + 28.5 / 12.9 + 12.9 /	29.0 + 29.0 / 13.5 + 13.5 /	
Unit	Factory Refrigerant Charge	lbs.	25.8					25.8 + 25.8			
	Weight	lbs.	727	727	727	793	793	727 + 727	727 + 727	727 + 727	
	Dimensions (H x W x D)	in.	66-11/16 x 48-7/8 x 30-3/16					66-11/16 x 48-7/8 x 30-3/16 + 66-11/16 x 48-7/8 x 30-3/16			

¹Varies based on indoor model selected

OPERATION RANGE FOR ALL VRV IV X HEAT RECOVERY OUTDOOR UNITS

Cooling °F DB	-4* - 122
Heating °F WB	-13 - 60

*Application rules apply



	22 Ton	24 Ton	26 Ton	28 Ton	30 Ton	32 Ton	34 Ton	36 Ton	38 Ton
	REYQ264XATJB	REYQ288XATJB	REYQ312XATJB	REYQ336XATJB	REYQ360XATJB	REYQ384XATJB	REYQ408XATJB	REYQ432XATJB	REYQ456XATJB
	REYQ264XAYDB	REYQ288XAYDB	REYQ312XAYDB	REYQ336XAYDB	REYQ360XAYDB	REYQ384XAYDB	REYQ408XAYDB	REYQ432XAYDB	REYQ456XAYDB
	1 x REYQ120XA 1 x REYQ144XA	2 x REYQ144XA	1 x REYQ144A 1 x REYQ168XA	2 x REYQ168XA	3 x REYQ120XA	2 x REYQ120XA 1 x REYQ144XA	1 x REYQ120XA 2 x REYQ144XA	3 x REYQ144XA	2 x REYQ144XA 1 x REYQ168XA
	252,000	274,000	296,000	320,000	342,000	364,000	388,000	410,000	430,000
	282,000	294,000	320,000	338,000	376,000	386,000	394,000	405,000	414,000
	23 to 122								
	-13 to 60								
	69	69	69	69	70	71	71	71	71
	7989 + 9480	9480 + 9480	9480 + 9480	9480 + 9480	7989 + 7989 + 7989	7989 + 7989 + 9480	7989 + 9480 + 9480	9480 + 9480 + 9480	9480 + 9480 + 9480
	0.12 / 0.32								
	2				3				
	6504 + 5214	4794 + 4794	5286 + 5286	5664 + 5664	6606 + 6606 + 6606	6426 + 6426 + 5070	6162 + 4470 + 4470	4350 + 4350 + 4350	4470 + 4470 + 4470
	5-100	7-100	7-100	6-100	4-100	3-100	3-100	5-100	4-100
	164 (295 With Field Setting)								
	130 (195 With Field Setting)								
	100								
	541								
	620								
	3,280								
	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	1-3/8	1-3/8	1-3/8	1-3/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8
	1-1/8	1-1/8	1-1/8	1-1/8	1-3/8	1-3/8	1-3/8	1-3/8	1-3/8
	50 - 200 ¹								
	45	49	54	58	64				
	50 + 70 / 25 + 40	70 + 70 / 40 + 40	70 + 70 / 40 + 40	70 + 70 / 40 + 40	50 + 50 + 50 / 25 + 25 + 25	50 + 50 + 70 / 25 + 25 + 40	50 + 70 + 70 / 25 + 40 + 40	70 + 70 + 70 / 40 + 40 + 40	70 + 70 + 70 / 40 + 40 + 40 /
	43.0+ 58.3 / 21.1 + 27.9	58.3+ 58.3 / 27.9 + 27.9	58.3+ 61.9 / 27.9 + 31.1	61.9+ 61.9 / 31.1 + 31.1	43.0+ 43.0 + 43.0 / 21.1 + 21.1 + 21.1	43.0+ 43.0 + 58.3 / 21.1 + 21.1 + 27.9	43.0+ 58.3 + 58.3 / 21.1 + 27.9 + 27.9	58.3 + 58.3 + 58.3 / 27.9 + 27.9 + 27.9	58.3 + 58.3 + 61.9 / 27.9 + 27.9 + 31.1 /
	32.9 + 42.1 / 14.9 + 19.0	43.5 + 43.5 / 19.7 + 19.7	46.5 + 46.5 / 21.0 + 21.0	50.1 + 50.1 / 22.7 + 22.7	32.7 + 32.7 + 32.7 / 14.8 + 14.8 + 14.8	33.8 + 33.8 + 43.7 / 15.3 + 15.3 + 19.8	35.7 + 45.1 + 45.1 / 16.2 + 20.4 + 20.4	45.1 + 45.1 + 45.1 / 20.4 + 20.4 + 20.4	47.0 + 47.0 + 47.0 / 21.3 + 21.3 + 21.3
	25.8 + 25.8				25.8 + 25.8 + 25.8				
	727 + 793	793 + 793	793 + 793	793 + 793	727 + 727 + 727	727 + 727 + 793	727 + 793 + 793	793 + 793 + 793	793 + 793 + 793
	66-11/16 x 48-7/8 x 30-3/16 + 66-11/16 x 48-7/8 x 30-3/16				66-11/16 x 48-7/8 x 30-3/16 + 66-11/16 x 48-7/8 x 30-3/16 + 66-11/16 x 48-7/8 x 30-3/16				

For additional technical information please refer to specific Engineering Data Books.

High-Efficiency All-Electric Heat Pump Hot and Chilled Water Solutions



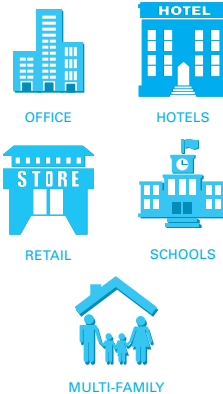
Daikin's LT hydrobox (HXY48TAVJU) offers an all-electric means of refrigerant to water heat exchange providing an efficient method for hot and cold-water generation for many hydronic solutions including high-efficiency space heating and cooling. The LT hydrobox combines with Daikin's VRV systems for expanded indoor unit flexibility with hydronic integration. Delivering water from 50°F – 113°F without the need for a backup electric heater, for use in underfloor heating and cooling, air handling units, and low-temperature radiators, making it an ideal choice in both new construction and renovation applications.

The stylish and compact wall hung unit with front access and minimal clearance requirements make it ideal for installation in tight spaces and ease of maintenance.

Features and Benefits

- » Direct control over the leaving water temperature for a wide leaving water temperature range down to 50°F in cooling and up to 113°F in heating.
- » Eliminates the need for gas connection or oil tanks to generate hot or cold water
- » Space-saving contemporary wall hung design
- » Seamless integration with VRV IV X systems¹
- » Save time on system design as all water components are fully integrated with direct control over leaving water temperature. Factory installed hydronic accessories include:

Applications:



- Flow switch
- Safety relief valve
- Expansion tank
- Pump
- Strainer
- Auto air vent valve
- Inlet/outlet temp sensors

¹ Refer to the engineering manuals for detailed design conditions.



* Complete warranty details available from your local distributor, manufacturer's representative, www.daikincomfort.com.





SPECIFICATIONS			
Model		HXY48TAVJU	
Power Supply		208/230VAC 60 Hz, 1-Phase	
Nominal Capacity	Cooling* ¹	Btu/h (kW)	42,650 (12.5)
	Heating* ²	Btu/h (kW)	48,000 (14.0)
Pump	Type		DC Motor
	Nr of Speeds		Inverter Controlled
	Cooling Nominal ESP	ft. hd (kPa)	24.4 (73)
	Heating Nominal ESP	ft. hd (kPa)	21.8 (65)
Dimensions (H x W x D)		in. (mm)	35 1/16 x 18 7/8 x 13 1/2 (890 x 480 x 344)
Weight (Dry)		lbs. (kg)	97 (44)
Casing		(Color / Material)	White / Precoated Sheet Metal
Sound	Power Level	dBA	60
	Pressure Level	dBA	31
Water Flow Rate Range		gpm (l/min)	3.4 - 11.9 (15 - 45)
Pump Control Method			Water Inlet/Outlet Delta T Control
Delta T Range		°F (°C)	5.4 - 14.4 (3 - 8)
Outlet Temp. Range	Cooling	°F (°C)	50 - 68 (10 - 20)
	Heating	°F (°C)	77 - 113 (25 - 45)
Ambient Temperature Range	Cooling	°F (°C)	50 - 109 (10 - 43)
	Heating	°F (°C)	-4 - 75 (-20 - 24)
Pipe Connections	Liquid	in. (mm)	3/8 (9.5) (Flare)
	Gas	in. (mm)	5/8 (15.9) (Flare)
	Water Side Connection* ³	in. (mm)	1 1/4 (31.8)
Refrigerant Control			Electronic Expansion Valve
Maximum Overcurrent Protection		A	15
Minimum Circuit Ampacity		A	2.5

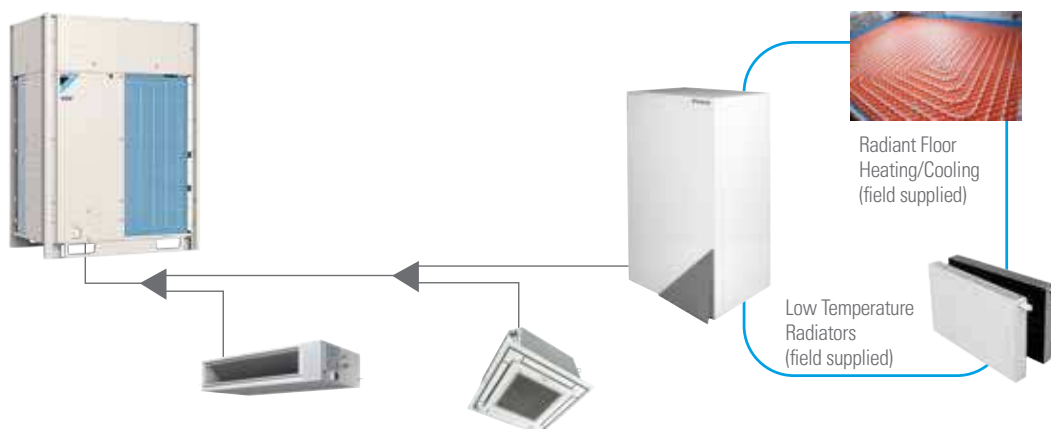
NOTE:

*¹ Nominal Cooling Conditions*² Nominal Heating Conditions*³ Adaptor Shipped Loose with IDU (BSPP to NPT)

Ambient: 95°F DB, LWT: 64.4°F, Delta T: 9°F, Flow Rate: 9.5 gpm

Ambient: 44.6°F DB / 42.8°F WB, LWT: 95°F, Delta T: 9°F, Flow Rate: 10.6 gpm

Installation Example



VRV IV X, VRV EMERION

Indoor Units 80-97% AFUE

Communicating Gas Furnace

Features

- » **Compatible with VRV IV X and VRV EMERION outdoor units.** Available from 60,000 Btu up to 120,000 Btu
- » **Durable heat exchanger** – Unique tubular stainless-steel construction formed using wrinkle-bend technology results in an extremely durable heat exchanger. Paired with a stainless-steel secondary heat exchanger, this combination provides for reliability, durability and efficiency.
- » **Modulating gas valve** – Operates between 35% - 100% capacity, providing precise efficiency and the ultimate in comfort.
- » **Continuous air circulation** – Provides filtration and keeps air moving throughout your home to help maintain comfort.
- » **Self-diagnostic control board** – continuously monitors the system for consistent, reliable operation.
- » **Quiet, variable-speed induced draft blower** – provides precise control and enhanced energy-efficient performance as compared to single-speed blowers.





Daikin VRV AURORA

Heat Recovery | 208-230V & 460V



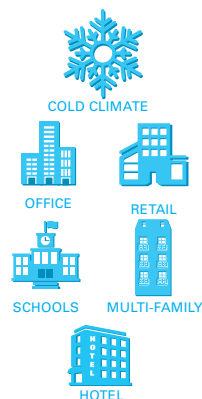
Daikin VRV AURORA series heat recovery systems introduce a new benchmark for variable refrigerant flow system technology by integrating advanced technologies to provide comfort, control, energy efficiency and reliability. The Daikin VRV AURORA series heat recovery systems set a new industry standard for heating and cooling solutions by delivering high heat capacities at low ambient applications.

Features and Benefits

- » Variable refrigerant flow system Industry's first air-cooled system that delivers heating down to -22°F (-30°C) as standard
- » Daikin's inverter based vapor injection compressor is designed to deliver heating capacity of up to 100% of nominal at 0°F (-18°C), up to 85% of nominal at -13°F (-25°C) and up to 60% of nominal at -22°F (-30°C)
- » Optimized efficiencies delivered by dedicated all-inverter compressors and inverter fan motors
- » Refrigerant-cooled efficient and stable inverter board operation, independent of ambient conditions
- » Hot gas base pan circuit allows installation without an additional drain pan heater
- » Designed to provide continuous heating during defrost and oil return**
- » Engineered with Daikin vapor injection compressor for optimized part load efficiencies
- » Added peace of mind with Auto Changeover ability to back up (auxiliary) heat

VRV

Applications:



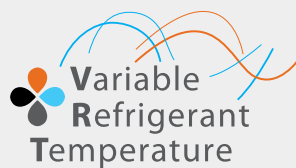
- » Long pipe lengths up to 1640 ft total and ability to connect up to 41*** indoor units with up to 100 ft vertical separation between indoor units provides design and installation flexibility
- » Corrosion resistant, 1000 hours salt spray tested Daikin PE blue fin heat exchanger
- » Ships factory standard with coil guards
- » Outstanding 10-Year Parts Warranty* as standard.

* Complete commercial warranty details available from your local distributor or manufacturer's representative or at www.daikincomfort.com.

** Multi modules only for continuous heating during defrost

***Varies by model



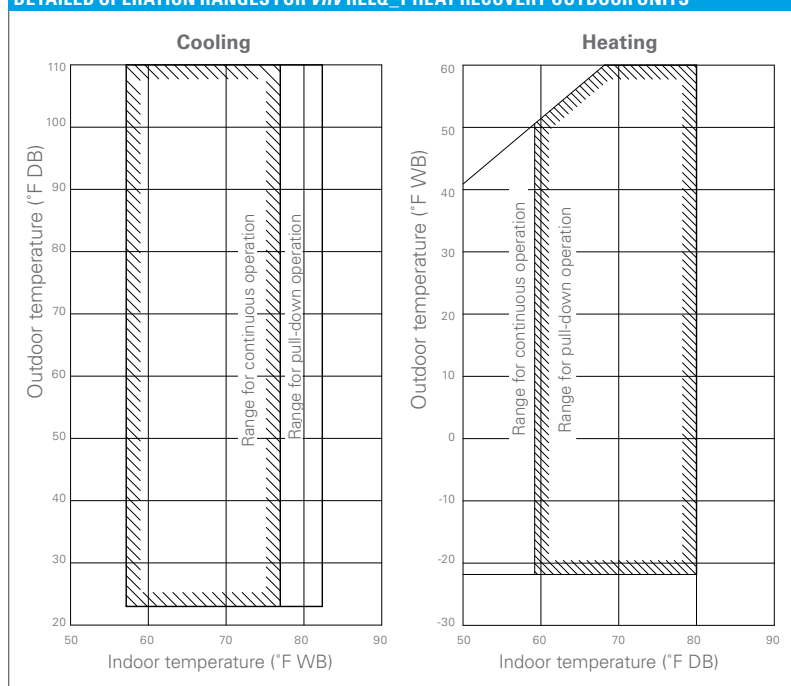


VRV AURORA HEAT RECOVERY CERTIFIED DATA - HEAT RECOVERY, 208-230V/60HZ/3PH AND 460V/60HZ/3PH

Product #	Capacity (Tons)	IEER Non-Ducted	IEER Ducted	IEER Mixed	SCHE Non-Ducted	SCHE Ducted	SCHE Mixed	COP @ 47°F Non-Ducted	COP @ 47°F Ducted	COP @ 47°F Mixed	COP @ 17°F Non-Ducted	COP @ 17°F Ducted	COP @ 17°F Mixed	EER Non-Ducted	EER Ducted	EER Mixed
RELO72T	6	24.00	20.80	22.40	26.10	22.60	24.30	4.30	3.68	3.99	2.50	2.30	2.40	15.80	13.70	14.70
RELO96T	8	24.80	19.10	21.90	25.70	19.70	22.70	4.23	3.42	3.83	2.50	2.25	2.37	15.30	12.50	13.90
RELO120T	10	23.40	19.60	21.50	26.70	21.10	24.00	3.98	3.51	3.74	2.25	2.25	2.25	13.70	12.40	13.00
RELO144T	12	22.50	18.60	20.50	25.50	23.80	24.60	3.81	3.55	3.68	2.20	2.20	2.20	12.90	12.60	12.70
RELO192T	16	22.10	19.00	20.50	25.50	21.20	23.30	3.85	3.57	3.71	2.20	2.15	2.17	12.50	12.70	12.60
RELO240T	20	21.10	18.60	19.80	24.90	20.80	22.80	3.68	3.49	3.59	2.20	2.13	2.16	12.30	11.70	12.00

Certified efficiency data in accordance with ANSI/AHRI Standard 1230 2014, "Performance Rating of Variable Refrigerant Flow Multi-Split Air Conditioning and Heat Pump Equipment" for the VRV series. The VRV AURORA series has been designed and optimized to meet or exceed the latest minimum efficiency requirements in 10 C.F.R. Part 431 as determined by the U.S. Department of Energy (DOE) and baseline efficiencies as defined by ASHRAE 90.1 2016. Systems under 65MBH are currently certified to AHRI 210/240. IEER ratings are as defined in ASHRAE 90.1 2016.

DETAILED OPERATION RANGES FOR VRV/RELO_T HEAT RECOVERY OUTDOOR UNITS

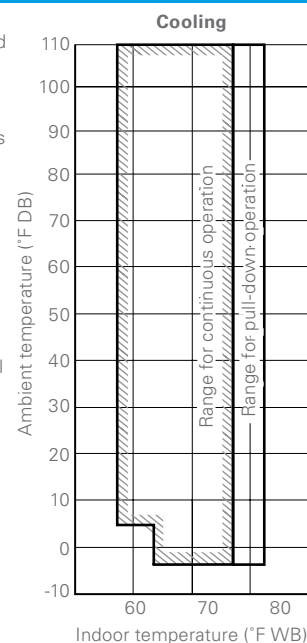


TECHNICAL COOLING FEATURE FOR VRV/RELO_T HEAT RECOVERY OUTDOOR UNITS

Technical Cooling-
Cooling operation extended from 23°F ambient air temperature down to -4°.

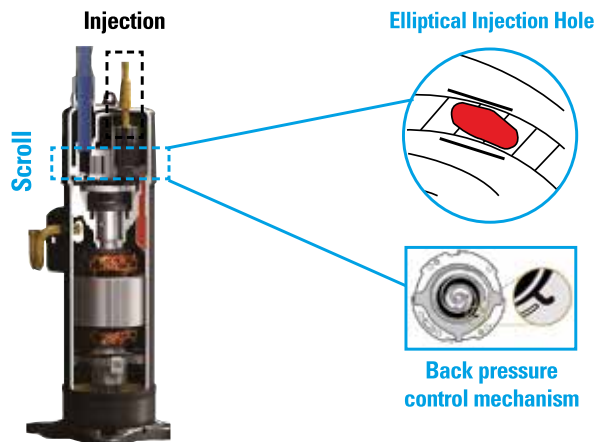
The Technical Cooling feature is engaged by field settings on the outdoor unit and on branch selector boxes. It requires addition of wind covers to the unit and allows operation down to -4°F DB ambient temperature in cooling mode.

See the Engineering Data book for complete application rules and contact your local Daikin representative for wind cover specification requirements.



Daikin VRV AURORA

Heat Recovery | 208-230V & 460V (cont.)



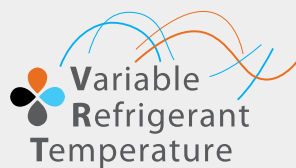
- » Compressor technology with new spiral design and injection valves for precise refrigerant control
- » Strong and efficient motors for optimized compressor performance and part load efficiencies
- » Patented back pressure control mechanism to minimize scroll pressure losses

TECHNICAL DATA FOR VRV AURORA RELQ_TATJA/TAYDA/TBTJA/TBYDA HEAT RECOVERY OUTDOOR UNITS

TECHNICAL DATA FOR VAV ACHROA REELQ_TATJA / TATYA / TBYJA / TBYDA HEAT RECOVERY COUPOUR UNIT			6 Ton	8 Ton	10 Ton
Model	208-230V/3Ph/60Hz		RELQ72TBTJA	RELQ96TBTJA	RELQ120TBTJA
	460V/3Ph/60Hz		RELQ72TBYDA	RELQ96TBYDA	RELQ120TBYDA
Combination					
Performance	Rated Cooling Capacity	BTU/h	69,000	92,000	114,000
	Rated Heating Capacity	BTU/h	77,000	103,000	129,000
	Operation Range Cooling	°F (°C) DB	23 ¹ to 122		
	Operation Range Heating	°F (°C) WB	-22 to 60		
	Sound Pressure	dB(A)	60	61	64
	Airflow (Cooling)	CFM	6956	7989	8806
	Airflow (Heating)	CFM	7283	7283	7283
Fan ESP, Standard/Max	in. Wg	0.12 / 0.32			
Compressor	Compressors, all inverter	Qty	1		
	Revolutions per minute	RPM	3738	3342	4350
	Capacity Control Range	%	11~100	10~100	9~100
Refrigerant Piping, Layout	Maximum Vertical Pipe Length Above Unit	ft.	164 (295 With Field Setting)		
	Maximum Vertical Pipe Length Below Unit	ft.	131 (195 With Field Setting)		
	Maximum Vertical Pipe Length Between IDU	ft.	100		
	Maximum Actual Pipe Length	ft.	541		
	Maximum Equivalent Pipe Length	ft.	620		
	Maximum Total Pipe Length	ft.	1,640		
Refrigerant Piping, Connections	Liquid Pipe (Main Line)	in.	3/8	3/8	1/2
	Suction Gas Pipe (Main Line)	in.	3/4	7/8	1-1/8
	Discharge Gas Pipe (Main Line)	in.	5/8	3/4	3/4
Connection Ratio	Standard Connectable Indoor Unit Ratio	%	70 - 200 ²		
	Maximum Number of Indoor Units	Qty	12	16	20
Electrical	Maximum Overcurrent Protection, MOP (RELQ_TATJA / RELQ_TAYDA)	A	70 / 35	80 / 45	90 / 50
	Minimum Circuit Amps, MCA (RELQ_TATJA / RELQ_TAYDA)	A	60.8 / 28.1	76.5 / 39.8	83.4 / 43.4
	Compressor Rated Load Amps, RLA (RELQ_TATJA / RELQ_TAYDA)	A	20.7 / 9.4	36.8 / 16.6	39.3 / 17.8
Unit	Factory Refrigerant Charge	lbs.	25.8		
	Weight	lbs.	727	793	793
	Dimensions (H x W x D)	in.	66-11/16 X 48-7/8 X 30-3/16		

¹ Cooling operation can be extended down to -4°F with application rules and conditions

² Varies based on indoor model selected



			12 Ton	16 Ton	20 Ton
Model	208-230V/3Ph/60Hz		RELQ144TATJA	RELQ192TATJA	RELQ240TATJA
	460V/3Ph/60Hz		RELQ144TAYDA	RELQ192TAYDA	RELQ240TAYDA
	Combination		2 x RELQ72T	2 x RELQ96T	2 x RELQ120T
Performance	Rated Cooling Capacity	BTU/h	138,000	184,000	228,000
	Rated Heating Capacity	BTU/h	154,000	206,000	256,000
	Operation Range Cooling	°F (°C) DB	23° to 122°		
	Operation Range Heating	°F (°C) WB	-22° to 60°		
	Sound Pressure	dB(A)	63	64	67
	Airflow (Cooling)	CFM	7283 + 7283	7989 + 7989	8806 + 8806
	Airflow (Heating)	CFM	6956 + 6956	7283 + 7283	7283 + 7283
	Fan ESP, Standard/Max	in. Wg	0.12 / 0.32		
Compressor	Compressors, all inverter	Qty	2		
	Revolutions per minute	RPM	3786 + 3786	3294 + 3294	4230 + 4230
	Capacity Control Range	%	6~100	5~100	4~100
Refrigerant Piping, Layout	Maximum Vertical Pipe Length Above Unit	ft.	164 (295 With Field Setting)		
	Maximum Vertical Pipe Length Below Unit	ft.	131 (195 With Field Setting)		
	Maximum Vertical Pipe Length Between IDU	ft.	100		
	Maximum Actual Pipe Length	ft.	541		
	Maximum Equivalent Pipe Length	ft.	620		
	Maximum Total Pipe Length	ft.	1,640		
Refrigerant Piping, Connections	Liquid Pipe (Main Line)	in.	1/2	5/8	5/8
	Suction Gas Pipe (Main Line)	in.	1-1/8	1-1/8	1-3/8
	Discharge Gas Pipe (Main Line)	in.	7/8	1-1/8	1-1/8
Connection Ratio	Standard Connectable Indoor Unit Ratio	%	70 - 200°		
	Maximum Number of Indoor Units	Qty	25	33	41
Electrical	Maximum Overcurrent Protection, MOP (RELQ_TATJA / RELQ_TAYDA)	A	70 + 70 / 35 + 35	80 + 80 / 45 + 45	90 + 90 / 50 + 50
	Minimum Circuit Amps, MCA (RELQ_TATJA / RELQ_TAYDA)	A	60.8 + 60.8 / 28.1 + 28.1	76.5 + 76.5 / 39.8 + 39.8	83.4 + 83.4 / 43.4 + 43.4
	Compressor Rated Load Amps, RLA (RELQ_TATJA / RELQ_TAYDA)	A	21.6 + 21.6 / 9.8 + 9.8	38.1 + 38.1 / 17.3 + 17.3	40.4 + 40.4 / 18.3 + 18.3
Unit	Factory Refrigerant Charge	lbs.	25.8 + 25.8		
	Weight	lbs.	2 x 727	2 x 793	2 x 793
	Dimensions (H x W x D)	in.	66-11/16 X 48-7/8 X 30-3/16 + 66-11/16 X 48-7/8 X 30-3/16		

Daikin VRV AURORA

Heat Pump | 208-230V & 460V



Daikin VRV AURORA series systems introduce a new benchmark for variable refrigerant flow system technology by integrating advanced technologies to provide comfort, control, energy efficiency and reliability. The Daikin VRV AURORA series systems set a new industry standard for heating and cooling solutions by delivering high heat capacities at low ambient applications.

Features and Benefits

- » Variable refrigerant flow system Industry's first air-cooled system that delivers heating capacities down to -22°F (-30°C) as standard
- » Daikin's inverter based vapor injection compressor is designed to deliver heating capacity of up to 100% of nominal at 0°F (-18°C), up to 85% of nominal at -13°F (-25°C) and up to 60% of nominal at -22°F (-30°C)
- » Year round comfort and energy savings with Variable Refrigerant Temperature technology (VRT)
- » Refrigerant-cooled efficient and stable inverter board operation, independent of ambient conditions
- » Hot gas base pan circuit allows installation without an additional drain pan heater
- » Added peace of mind with Auto Changeover ability to back up (auxiliary) heat

VRV

Applications:

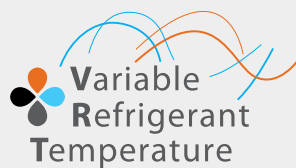


- » Long pipe lengths up to 1640 ft. total and ability to connect up to 41** indoor units with up to 100 ft. vertical separation between indoor units provides design and installation flexibility
- » Corrosion resistant, 1000 hours salt spray tested Daikin PE blue fin heat exchanger
- » Ships factory standard with coil guards
- » Outstanding 10-Year Parts Warranty* as standard.

* Complete commercial warranty details available from your local distributor or manufacturer's representative or at www.daikincomfort.com.

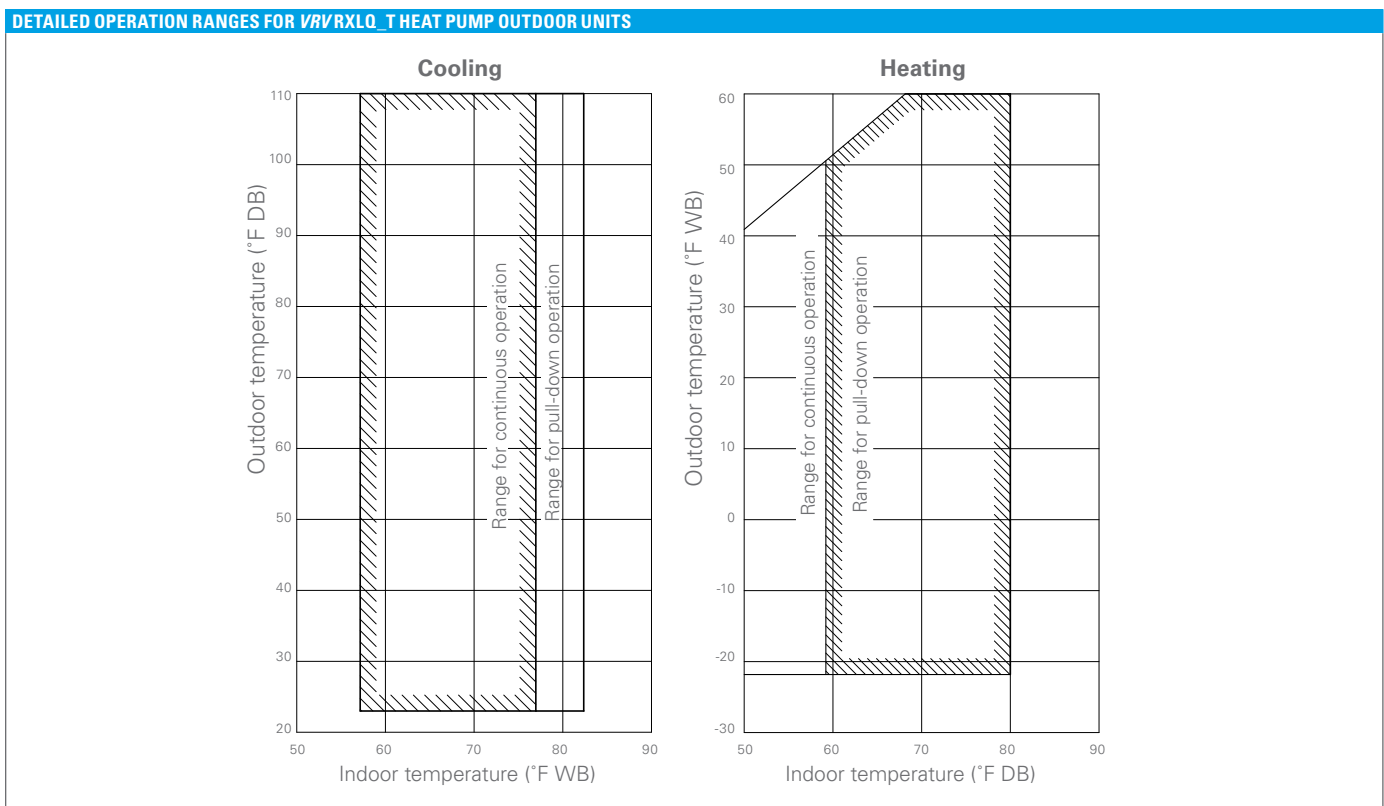
** Varies by model





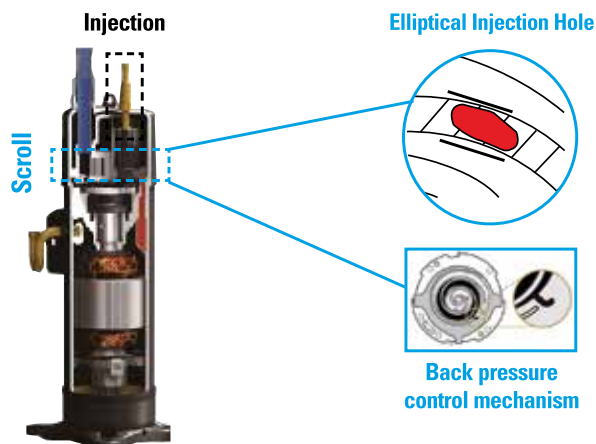
VRV AURORA HEAT PUMP CERTIFIED DATA - HEAT PUMP, 208-230V/60HZ/3PH, 460V/60HZ/3PH, 575V/60HZ/3PH													
Product #	Capacity (Tons)	IEER Non-Ducted	IEER Ducted	IEER Mixed	COP @ 47°F Non-Ducted	COP @ 47°F Ducted	COP @ 47°F Mixed	COP @ 17°F Non-Ducted	COP @ 17°F Ducted	COP @ 17°F Mixed	IEER Non-Ducted	IEER Ducted	IEER Mixed
RXLQ72T	6	24.00	20.40	22.20	4.37	3.73	4.05	2.52	2.31	2.42	15.10	13.00	14.05
RXLQ96T	8	24.70	18.90	21.80	4.29	3.49	3.89	2.51	2.26	2.39	14.90	12.30	13.60
RXLQ120T	10	23.30	19.40	21.35	4.05	3.56	3.81	2.27	2.26	2.27	13.50	12.20	12.85
RXLQ144T	12	22.40	18.20	20.30	3.86	3.56	3.71	2.21	2.21	2.21	12.70	12.40	12.55
RXLQ192T	16	22.00	18.80	20.40	3.90	3.61	3.76	2.22	2.16	2.19	12.30	12.50	12.40
RXLQ240T	20	21.00	18.60	19.80	3.77	3.53	3.65	2.22	2.13	2.18	12.10	11.50	11.80

Certified efficiency data in accordance with ANSI/AHRI Standard 1230 2014, "Performance Rating of Variable Refrigerant Flow Multi-Split Air Conditioning and Heat Pump Equipment" for the VRV series. The VRV AURORA series has been designed and optimized to meet or exceed the latest minimum efficiency requirements in 10 C.F.R. Part 431 as determined by the U.S. Department of Energy (DOE) and baseline efficiencies as defined by ASHRAE 90.1 2016. Systems under 65MBH are currently certified to AHRI 210/240. IEER ratings are as defined in ASHRAE 90.1 2016.



Daikin VRV AURORA

Heat Pump | 208-230V & 460V

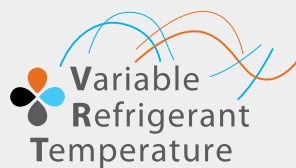


- » Compressor technology with new spiral design and injection valves for precise refrigerant control
- » Strong and efficient motors for optimized compressor performance and part load efficiencies
- » Patented back pressure control mechanism to minimize scroll pressure losses

TECHNICAL DATA FOR VRV AURORA RXLQ_T

			6 Ton	8 Ton	10 Ton
Model	208-230V/3Ph/60Hz		RXLQ72TBTJA	RXLQ96TBTJA	RXLQ120TBTJA
	460V/3Ph/60Hz		RXLQ72TBYDA	RXLQ96TBYDA	RXLQ120TBYDA
	Combination				
Performance	Rated Cooling Capacity	BTU/h	69,000	92,000	114,000
	Rated Heating Capacity	BTU/h	77,000	103,000	129,000
	Operation Range Cooling	°F (°C) DB	23 to 122		
	Operation Range Heating	°F (°C) WB	-22 to 60		
	Sound Pressure	dB(A)	60	61	64
	Airflow	CFM	7283	7989	8806
	Fan ESP, Standard/Max	in. Wg	0.12 / 0.32		
Compressor	Compressors, all inverter	Qty	1		
	Revolutions per minute	RPM	3738	3294	4350
	Capacity Control Range	%	11~100	13~100	12~100
Refrigerant Piping, Layout	Maximum Vertical Pipe Length Above Unit	ft.	164 (295 With Field Setting)		
	Maximum Vertical Pipe Length Below Unit	ft.	131 (195 With Field Setting)		
	Maximum Vertical Pipe Length Between IDU	ft.	100		
	Maximum Actual Pipe Length	ft.	541		
	Maximum Equivalent Pipe Length	ft.	620		
	Maximum Total Pipe Length	ft.	1,640		
Refrigerant Piping, Connections	Liquid Pipe (Main Line)	in.	3/8	3/8	1/2
	Suction Gas Pipe (Main Line)	in.	3/4	7/8	1-1/8
Connection Ratio	Standard Connectable Indoor Unit Ratio	%	70 - 200 ¹		
	Maximum Number of Indoor Units	Qty	12	16	20
Electrical	Maximum Overcurrent Protection, MOP (RXLQ_TATJA / RXLQ_TAYDA)	A	70 / 35	80 / 45	90 / 50
	Minimum Circuit Amps, MCA (RXLQ_TATJA / RXLQ_TAYDA)	A	60.8 / 28.1	76.5 / 39.8	83.4 / 43.4
	Compressor Rated Load Amps, RLA (RXLQ_TATJA / RXLQ_TAYDA)	A	23.9 / 10.4	42.2 / 18.3	41.4 / 18.0
Unit	Factory Refrigerant Charge	lbs.	25.8		
	Weight	lbs.	727	793	793
	Dimensions (H x W x D)	in.	66-11/16 X 48-7/8 X 30-3/16		

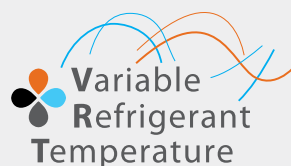
¹Varies based on indoor model selected



			12 Ton	16 Ton	20 Ton
Model	208-230V/3Ph/60Hz		RXLQ144TATJA	RXLQ192TATJA	RXLQ240TATJA
	460V/3Ph/60Hz		RXLQ144TAYDA	RXLQ192TAYDA	RXLQ240TAYDA
	Combination		2 x RXLQ72T	2 x RXLQ96T	2 x RXLQ120T
Performance	Rated Cooling Capacity	BTU/h	138,000	184,000	228,000
	Rated Heating Capacity	BTU/h	154,000	206,000	256,000
	Operation Range Cooling	°F (°C) DB	23 to 122		
	Operation Range Heating	°F (°C) WB	-22 to 60		
	Sound Pressure	dB(A)	63	64	67
	Airflow (Cooling)	CFM	7283 + 7283	7989 + 7989	8806 + 8806
	Fan ESP, Standard/Max	in. Wg	0.12 / 0.32		
Compressor	Compressors, all inverter	Qty	2		
	Revolutions per minute	RPM	3804 + 3804	3342 + 3342	4230 + 4230
	Capacity Control Range	%	6~100	6~100	6~100
Refrigerant Piping, Layout	Maximum Vertical Pipe Length Above Unit	ft.	164 (295 With Field Setting)		
	Maximum Vertical Pipe Length Below Unit	ft.	131 (195 With Field Setting)		
	Maximum Vertical Pipe Length Between IDU	ft.	100		
	Maximum Actual Pipe Length	ft.	541		
	Maximum Equivalent Pipe Length	ft.	620		
	Maximum Total Pipe Length	ft.	1,640		
Refrigerant Piping, Connections	Liquid Pipe (Main Line)	in.	1/2	5/8	5/8
	Suction Gas Pipe (Main Line)	in.	1-1/8	1-1/8	1-3/8
Connection Ratio	Standard Connectable Indoor Unit Ratio	%	70 - 200 ¹		
	Maximum Number of Indoor Units	Qty	25	33	41
Electrical	Maximum Overcurrent Protection, MOP (RXLQ_TATJA / RXLQ_TAYDA)	A	70 + 70 / 35 + 35	80 + 80 / 45 + 45	90 + 90 / 50 + 50
	Minimum Circuit Amps, MCA (RXLQ_TATJA / RXLQ_TAYDA)	A	60.8 + 60.8 / 28.1 + 28.1	76.5 + 76.5 / 39.8 + 39.8	83.4 + 83.4 / 43.4 + 43.4
	Compressor Rated Load Amps, RLA (RXLQ_TATJA / RXLQ_TAYDA)	A	23.9 + 23.9 / 10.4 + 10.4	40.8 + 40.8 / 17.7 + 17.7	41.7 + 41.7 / 18.2 + 18.2
Unit	Factory Refrigerant Charge	lbs.	25.8 + 25.8		
	Weight		2 x 727	2 x 793	2 x 793
	Dimensions (H x W x D)	in.	66-11/16 X 48-7/8 X 30-3/16 + 66-11/16 X 48-7/8 X 30-3/16		

VRV T-Series Water-Cooled

Heat Pump | Heat Recovery
208-230V | 460V



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

Features and Benefits

- » Flexible System design with increased diversity up to 150%¹ compared to previous VRV water-cooled generation
- » Triple-stack capable to deliver up to 36 tons in 11.5 ft ceiling height
- » Flexible and easy installation with field selectable top or front refrigerant connections
- » Design flexibility with long piping lengths up to 980 ft. total (540 ft. max. linear liquid piping length) and up to 100 ft. vertical separation between indoor units
- » Engineered with heat rejection cancellation technology² to minimize mechanical room conditioning requirements
- » Year round comfort and energy efficiency by combining VRV and VRT technologies
- » Wide water temperature operation range - Can be applied to both geothermal and boiler/tower applications as standard with condenser water inlet temperature as low as 14°F in heating and 23°F in cooling is possible.
- » 2-9V variable water flow control logic² as standard to increase waterside system operational efficiencies
- » Refrigerant cooled inverter technology to deliver consistent and reliable PCB operations
- » Easy commissioning with ability to program settings off site using new configurator tool
- » 3-digit 7-segment digital display on the unit for improved and faster configuration, commissioning, and troubleshooting
- » Engineered for easy service with drop-down switch box to access key components

¹ Model specific, check product specification for details

² Refer to installation manual for field settings and other requirements to activate this feature



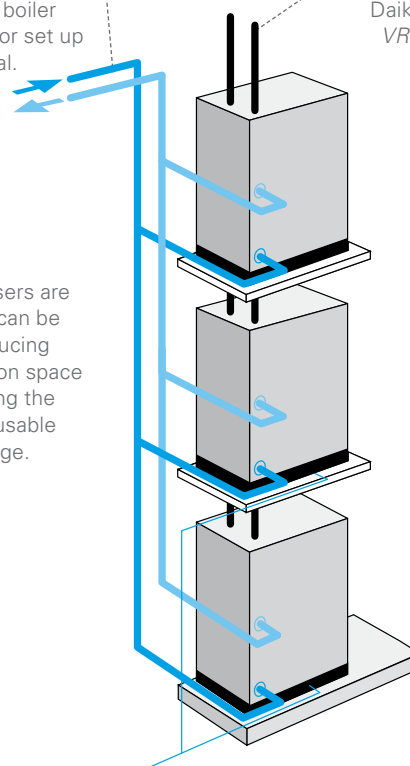
Water side

Connects to cooling tower and/or boiler combination or set up as geothermal.

Refrigerant side

Connects to Daikin's line-up of VRV indoor units

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



VRV Water-Cooled System series design is based on a modular design concept. It is composed of unified condensing units that require simply connecting a two-pipe refrigerant network for heat pump applications or a three-pipe refrigerant network for heat recovery applications. Water-cooled condensers are available in 6*, 8, 10 and 12 tons.

This is a simple system that allows manifolded together up to three condensers to form one system of up to 36 tons. The condensers are designed for internal mounting only.

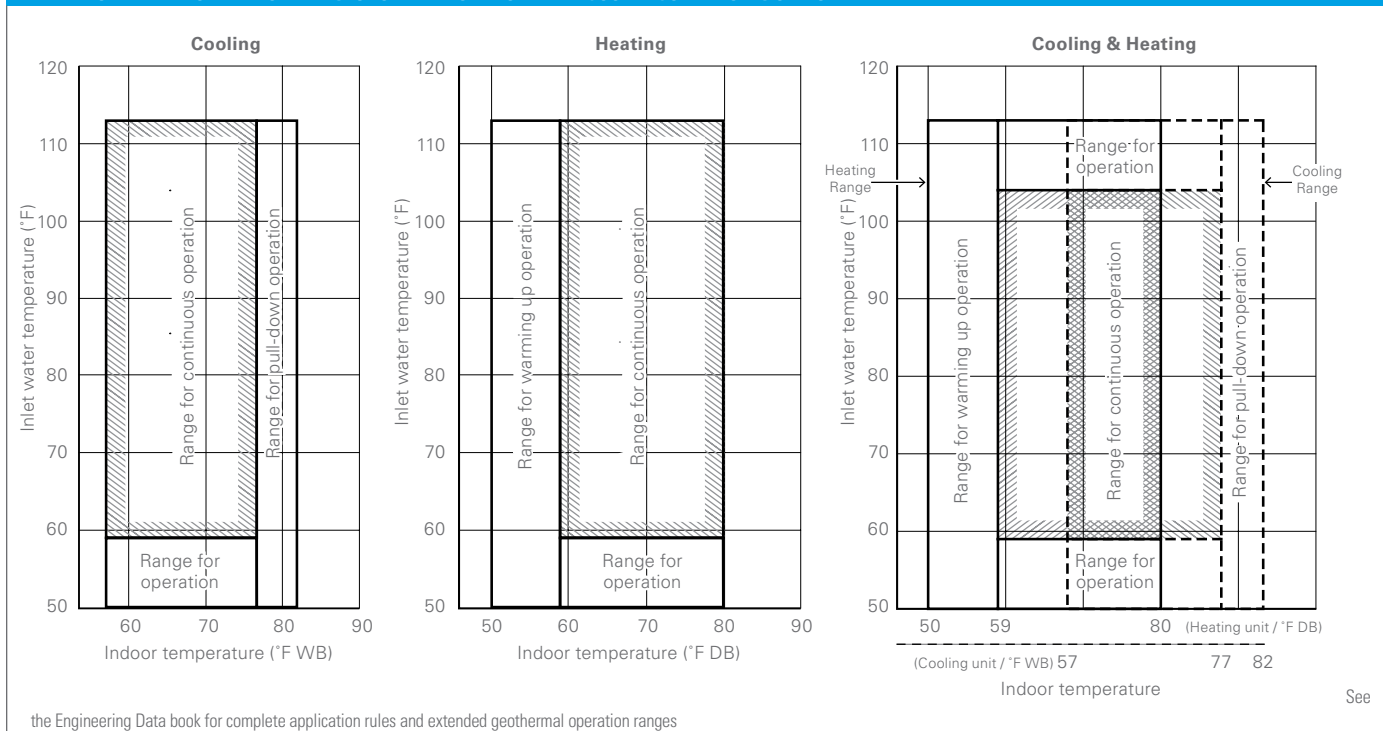
* 6-ton model (RWEYQ72PC) is PC series. T and PC series models cannot be combined to form multi-module systems.

VRV T-SERIES WATER-COOLED CERTIFIED DATA, 208-230V/60HZ/3PH AND 460V/60HZ/3PH

Function	System Name	Tonnage	IEER Non-Ducted	IEER Ducted	IEER Mixed	SCHE Non-Ducted (Heat Recovery only)	SCHE Ducted (Heat Recovery only)	SCHE Mixed (Heat Recovery only)	EER Non-Ducted	EER Ducted	EER Mixed	COP @ 68°F Non-Ducted	COP @ 68°F Ducted	COP @ 68°F Mixed
Heat Pump	RWEQ72T	6 Tons	24.1	22.3	23.2	N/A	N/A	N/A	14.0	14.0	14.0	4.89	4.78	4.84
	RWEQ96T	8 Tons	30.8	25.4	28.1	N/A	N/A	N/A	19.6	15.4	17.5	6.27	5.8	6.035
	RWEQ120T	10 Tons	29.4	23.5	26.45	N/A	N/A	N/A	16	13.6	14.8	6.1	5.55	5.83
	RWEQ144T	12 Tons	24.3	19.8	22.05	N/A	N/A	N/A	15.4	12.6	14.0	6.01	5.33	5.67
	RWEQ192T	16 Tons	26.8	24.7	25.75	N/A	N/A	N/A	16.5	14.6	15.55	5.82	5.82	5.82
	RWEQ216T	18 Tons	26.3	23.8	25.05	N/A	N/A	N/A	15.0	13.8	14.4	5.68	5.62	5.65
	RWEQ240T	20 Tons	25.7	22.7	24.2	N/A	N/A	N/A	14.0	12.8	13.4	5.52	5.38	5.45
	RWEQ264T	22 Tons	23.5	2.00	21.75	N/A	N/A	N/A	13.5	12.1	12.8	5.34	4.96	5.15
	RWEQ288T	24 Tons	20.9	18.8	19.85	N/A	N/A	N/A	12.6	11.3	11.95	5.3	4.81	5.06
	RWEQ312T	26 Tons	21.9	21.8	21.85	N/A	N/A	N/A	13.7	12.7	13.2	5.5	4.86	5.18
	RWEQ336T	28 Tons	21.5	21.4	21.45	N/A	N/A	N/A	13.5	12.3	12.9	5.42	4.73	5.08
	RWEQ360T	30 Tons	21.2	20.2	20.7	N/A	N/A	N/A	12.4	11.7	12.05	5.3	4.7	5.0
	RWEQ384T	32 Tons	19.5	17.9	18.7	N/A	N/A	N/A	12	11	11.5	4.53	4.12	4.33
	RWEQ408T	34 Tons	18.2	17.2	17.7	N/A	N/A	N/A	11.1	10.7	10.9	4.35	4.03	4.19
	RWEQ432T	36 Tons	17.0	16.6	16.8	N/A	N/A	N/A	10.5	10.3	10.4	4.19	3.92	4.06
Heat Recovery	RWEQ72T	6 Tons	24.1	22.3	23.2	17.8	19.2	18.5	14.0	14.0	14.0	4.89	4.78	4.84
	RWEQ96T	8 Tons	30.8	25.4	28.1	25.7	21.3	23.5	19.6	15.4	17.5	6.27	5.8	6.035
	RWEQ120T	10 Tons	29.4	23.5	26.45	26.3	22.5	24.4	16	13.6	14.8	6.1	5.55	5.83
	RWEQ144T	12 Tons	24.3	19.8	22.05	26.5	22.7	24.6	15.4	12.6	14	6.01	5.33	5.67
	RWEQ192T	16 Tons	26.8	24.7	25.75	26.0	22.9	24.45	16.5	14.6	15.55	5.82	5.82	5.82
	RWEQ216T	18 Tons	26.3	23.8	25.05	25.5	22.1	23.8	15.0	13.8	14.4	5.68	5.62	5.65
	RWEQ240T	20 Tons	25.7	22.7	24.2	25.4	21.9	23.65	14.0	12.8	13.4	5.52	5.38	5.45
	RWEQ264T	22 Tons	23.5	2.00	21.75	25.2	19.2	22.2	13.5	12.1	12.8	5.34	4.96	5.15
	RWEQ288T	24 Tons	20.9	18.8	19.85	23.5	20.0	21.75	12.6	11.3	11.95	5.3	4.81	5.06
	RWEQ312T	26 Tons	21.9	21.8	21.85	24.5	20.7	22.6	13.7	12.7	13.2	5.5	4.86	5.18
	RWEQ336T	28 Tons	21.5	21.4	21.45	23.5	20.0	21.75	13.5	12.3	12.9	5.42	4.73	5.08
	RWEQ360T	30 Tons	21.2	20.2	20.7	23.2	19.1	21.15	12.4	11.7	12.05	5.3	4.7	5.0
	RWEQ384T	32 Tons	19.5	17.9	18.7	22.0	19.1	20.55	12.0	11.0	11.5	4.53	4.12	4.33
	RWEQ408T	34 Tons	18.2	17.2	17.7	21.2	18.5	19.85	11.1	10.7	10.9	4.35	4.03	4.19
	RWEQ432T	36 Tons	17.0	16.6	16.8	20.5	17.7	19.1	10.5	10.3	10.4	4.19	3.92	4.055

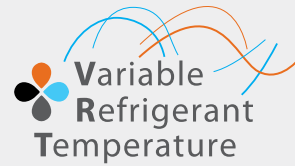
Certified efficiency data in accordance with ANSI/AHRI Standard 1230 2014, "Performance Rating of Variable Refrigerant Flow Multi-Split Air Conditioning and Heat Pump Equipment" for the VRV T-Series Water-Cooled. The VRV T-Series Water-Cooled has been designed and optimized to meet or exceed the latest minimum efficiency requirements in 10 C.F.R. Part 431 as determined by the U.S. Department of Energy (DOE) and baseline efficiencies as defined by ASHRAE 90.1 2016. Systems under 65MBH are currently certified to AHRI 210/240. IEER ratings are as defined in ASHRAE 90.1 2016.

DETAILED STANDARD OPERATION RANGES FOR VRV T-SERIES WATER-COOLED CONDENSING UNITS



VRV T-Series Water-Cooled

Heat Pump or Heat Recovery
208-230V



A modular, energy-efficient and reliable alternative to centralized equipment

Features and Benefits

- » Flexible System design with increased diversity up to 150%¹ compared to previous VRV water-cooled generation
- » Small condensers can be triple stacked for reduced installation space and increased usable square footage
- » Larger (than previous models) single-system capacity and modular concept ensures wider application range for accommodating floor-by-floor loads of commercial buildings
- » Year round comfort and energy efficiency by combining VRV and VRT technologies

- » Can be applied to both geothermal and boiler/tower applications as standard with condenser water inlet temperature as low as 14°F in heating and 23°F in cooling is possible
- » 2-9V variable water flow control logic² as standard to increase waterside system operational efficiencies
- » Refrigerant cooled inverter technology to deliver consistent and reliable PCB operations
- » Engineered for easy service with drop-down switch box to access key components

¹ Model specific, check product specification for details

² Refer to installation manual for field settings and other requirements to activate this feature

VRV T-SERIES UNIFIED HEAT PUMP AND HEAT RECOVERY 208-230V & 460V

			6 Ton		8 Ton		10 Ton		12 Ton		14 Ton		16 Ton		18 Ton		20 Ton					
Model	208-230V/3Ph/60Hz		RWEQ72TBTJA		RWEQ96TBTJA		RWEQ120TBTJA		RWEQ144TBTJA		RWEQ168TBTJA		RWEQ192TBTJA		RWEQ216TBTJA		RWEQ240TBTJA					
	460V/3Ph/60Hz		RWEQ72TBYDA		RWEQ96TBYDA		RWEQ120TBYDA		RWEQ144TBYDA		RWEQ168TBYDA		RWEQ192TBYDA		RWEQ216TBYDA		RWEQ240TBYDA					
	Combination										RWEQ72T RWEQ96T		2 x RWEQ96T		RWEQ96T RWEQ120T		2 x RWEQ120T					
Performance	Rated Cooling Capacity ¹		BTU/h		69,000		92,000		114,000		138,000		156,000		184,000		206,000		228,000			
	Rated Heating Capacity ²		BTU/h		69,000		92,000		114,000		138,000		156,000		184,000		206,000		228,000			
	Sound Pressure Level @ 3 ft.		dB(A)		50		54		55		60.5		57		57.5		58					
Refrigerant Piping	System Configuration: Heat Pump: HP, Heat Recovery: HR				HP	HR	HP	HR	HP	HR	HP	HR	HP - HR	HP	HR	HP	HR	HP	HR			
	Liquid Pipe (Main Line)		in.		3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2	5/8 - 5/8	5/8	5/8	5/8	5/8	5/8	5/8			
	Suction Gas Pipe (Main Line)		in.		3/4	5/8	7/8	3/4	1-1/8	3/4	1-1/8	7/8	1-1/8 - 1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-3/8	1-1/8			
	Discharge Gas Pipe (Main Line)		in.		N/A	3/4	N/A	7/8	N/A	1-1/8	N/A	1-1/8	7/8 - 7/8	N/A	1-1/8	N/A	1-1/8	N/A	1-3/8			
Connection Ratio	Standard Connectable Indoor Unit Ratio ³		%		50 - 130		50 - 150															
	Maximum Number of Indoor Units		Qty.		12		16		20		25		1-1/4		33		37		41			
Water Side (Standard)	BPHE Inlet Pipe (Female Thread)		in.		1-1/4		1-1/4		1-1/4		1-1/4		1-1/4		2 x 1-1/4		2 x 1-1/4		2 x 1-1/4			
	BPHE Outlet Pipe (Female Thread)		in.		1-1/4		1-1/4		1-1/4		1-1/4		3/8		2 x 1-1/4		2 x 1-1/4		2 x 1-1/4			
	Drain Pipe (Female Thread)		in.		1/2		3/8		3/8		3/8		60.5		2 x 3/8		2 x 3/8		2 x 3/8			
	Maximum System Water Pressure (BPHE)		psi		285		464															
	Standard Inlet Water Temperature Range Cooling		°F		50 - 113																	
	Standard Inlet Water Temperature Range Heating		°F		50 - 113																	
	Recommended Inlet Water Flow Rate per Module (minimum)		gpm		15.9 - 39.6 (13.2)																	
Water Side (Geothermal)	Inlet Water Temperature Range Cooling ⁴		°F		27 - 113		23 - 113															
	Inlet Water Temperature Range Heating ⁴		°F		14 - 95																	
	Water Flow Rate ⁵		gpm		21.2 - 39.6																	
Unit	Weight (230V/460V)		lbs.		434.3 / 440.9		434.3 / 440.9		438.7 / 445.3		438.7 / 445.3				2 X 440.9 / 2 X 440.9		438.7 + 434.3 / 445.3 + 440.9		2 x 438.7 / 2 x 445.3			
	Dimensions (H x W x D)		in.		38-9/16 x 30-1/8 x 22-1/16		38-9/16 x 30-1/8 x 22-1/16										38-9/16 x (30-1/8 x 2) x 22-1/16					
Electrical (208-230V)	Maximum Overcurrent Protection (MOP)		V		40		40		50		60				40 + 40		40 + 50		50 + 50			
	Minimum Circuit Amps (MCA)		A		37.9		38.3		45.2		52.6				38.3 + 38.3		38.3 + 45.2		45.2 + 45.2			
Electrical (460V)	Maximum Overcurrent Protection (MOP)		A		20		20		25		25				20 + 20		25 + 25		25 + 25			
	Minimum Circuit Amps (MCA)		A		17.2		17.3		20.4		23.8				17.3 + 17.3		17.3 + 20.4		20.4 + 20.4			
Compressor	Compressor Type				Inverter																	
	Compressor Capacity Control		%		23 - 100		16 - 100		14 - 100		11 - 100				8 - 100		8 - 100		7 - 100			

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

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

³ Varies based on indoor and condensing unit model selected; refer to Engineering Manual for details.

RWEQ_TATJA/TAYDA



	22 Ton		24 Ton		26 Ton		28 Ton		30 Ton		32 Ton		34 Ton		36 Ton	
	RWEQ264TBTJA		RWEQ288TBTJA*		RWEQ312TBTJA*		RWEQ336TBTJA*		RWEQ360TBTJA*		RWEQ384TBTJA*		RWEQ408TBTJA*		RWEQ432TBTJA*	
	RWEQ264TBYDA		RWEQ288TBYDA*		RWEQ312TBYDA*		RWEQ336TBYDA*		RWEQ360TBYDA*		RWEQ384TBYDA*		RWEQ408TBYDA*		RWEQ432TBYDA*	
	RWEQ120T RWEQ144T		2 x RWEQ144TB		2 x RWEQ96TB RWEQ120TB		RWEQ96TB 2 x RWEQ120TB		3 x RWEQ120TB		2 x RWEQ120TB RWEQ144TB		RWEQ120TB 2 x RWEQ144TB		3 x RWEQ144TB	
	252,000		274,000		296,000		320,000		342,000		366,000		388,000		402,000	
	252,000		274,000		298,000		320,000		342,000		366,000		388,000		402,000	
	61.5		63.5		59		59.5		60		62		64		65	
	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR
	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8	1-5/8	1-3/8	1-5/8	1-3/8	1-5/8	1-3/8	1-5/8	1-3/8
	N/A	1-3/8	N/A	1-3/8	N/A	1-3/8	N/A	1-3/8	N/A	1-5/8	N/A	1-5/8	N/A	1-5/8	N/A	1-5/8
			50 - 150													
	45		49		54		58		62		64		64		64	
	2 x 1-1/4		2 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4	
	2 x 1-1/4		2 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4	
	2 x 3/8		2 x 3/8		3 x 3/8		3 x 3/8		3 x 3/8		3 x 3/8		3 x 3/8		3 x 3/8	
			464													
			50 - 113													
			50 - 113													
			15.9 - 39.6 (13.2)													
			23 - 113													
			14 - 95													
			21.2 - 39.6													
	2 x 438.7 / 2 x 445.3		2 x 438.7 / 2 x 445.3		2 x 434.3 + 438.7 2 x 440.9 + 445.3		434.3 + 2 x 438.7 440.9 + 2 x 445.3		434.3 + 2 x 438.7 / 440.9 + 2 x 445.3		3 x 438.7 / 3 x 445.3		3 x 438.7 / 3 x 445.3		3 x 438.7 / 3 x 445.3	
			38-9/16 x 30-1/8 x 22-1/16													
	50 + 60		60 + 60		40 + 40 + 50		40 + 50 + 50		50 + 50 + 50		50 + 50 + 50		50 + 60 + 60		60 + 60 + 60	
	45.2 + 52.6		52.6 + 52.6		38.3 + 38.3 + 45.2		38.3 + 45.2 + 45.2		45.2 + 45.2 + 45.2		45.2 + 45.2 + 52.6		45.2 + 52.6 + 52.6		52.6 + 52.6 + 52.6	
	25 + 25		25 + 25		20 + 20 + 25		20 + 25 + 25		25 + 25 + 25		25 + 25 + 25		25 + 25 + 25		25 + 25 + 25	
	20.4 + 23.8		23.8 + 23.8		17.3 + 17.3 + 20.4		17.3 + 20.4 + 20.4		20.4 + 20.4 + 20.4		20.4 + 20.4 + 23.8		20.4 + 23.8 + 23.8		23.8 + 23.8 + 23.8	
			Inverter													
	6 - 100		5 - 100		5 - 100		5 - 100		5 - 100		4 - 100		4 - 100		4 - 100	

⁴ Application rules apply below 50°F. Please contact your local Daikin office for design assistance and approval.

⁵ Please note that a water strainer (standard accessory for the T-Series; field supplied for the PC-series) is required for each condensing unit.

⁶ PC series model. Some features and benefits may not be available for this model.

VRV T-Series Water-Cooled Heat Pump or Heat Recovery | 460V



A modular, energy-efficient and reliable alternative to centralized equipment

Features and Benefits

- » Flexible System design with increased diversity up to 150%¹ compared to previous VRV water-cooled generation
- » Small condensers can be triple stacked for reduced installation space and increased usable square footage
- » Larger (than previous models) single-system capacity and modular concept ensures wider application range for accommodating floor-by-floor loads of commercial buildings
- » Year round comfort and energy efficiency by combining VRV and VRT technologies

- » Can be applied to both geothermal and boiler/tower applications as standard with condenser water inlet temperature as low as 14°F in heating and 23°F in cooling is possible
- » 2-9V variable water flow control logic² as standard to increase waterside system operational efficiencies
- » Refrigerant cooled inverter technology to deliver consistent and reliable PCB operations
- » Engineered for easy service with drop-down switch box to access key components

¹ Model specific, check product specification for details

² Refer to installation manual for field settings and other requirements to activate this feature

VRV T-SERIES UNIFIED HEAT PUMP AND HEAT RECOVERY 208-230V & 460V

		6 Ton		8 Ton		10 Ton		12 Ton		14 Ton		16 Ton		18 Ton		20 Ton	
Model	208-230V/3Ph/60Hz	RWEQ72TBTJA	RWEQ96TBTJA	RWEQ120TBTJA	RWEQ144TBTJA	RWEQ168TBTJA	RWEQ192TBTJA	RWEQ216TBTJA	RWEQ240TBTJA								
	460V/3Ph/60Hz	RWEQ72TBYDA	RWEQ96TBYDA	RWEQ120TBYDA	RWEQ144TBYDA	RWEQ168TBYDA	RWEQ192TBYDA	RWEQ216TBYDA	RWEQ240TBYDA								
	Combination							RWEQ72T RWEQ96T	2 x RWEQ96T	RWEQ96T RWEQ120T	2 x RWEQ120T						
Performance	Rated Cooling Capacity ¹	BTU/h	69,000	92,000	114,000	138,000	156,000	184,000	206,000	228,000							
	Rated Heating Capacity ²	BTU/h	69,000	92,000	114,000	138,000	156,000	184,000	206,000	228,000							
	Sound Pressure Level @ 3 ft.	dB(A)	50	54	55	60.5		57	57.5	58							
Refrigerant Piping	System Configuration: Heat Pump: HP, Heat Recovery: HR		HP	HR	HP	HR	HP	HR	HP	HR	HP - HR	HP	HR	HP	HR	HP	HR
	Liquid Pipe (Main Line)	in.	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2	5/8 - 5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Suction Gas Pipe (Main Line)	in.	3/4	5/8	7/8	3/4	1-1/8	3/4	1-1/8	7/8	1-1/8 - 1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-3/8	1-1/8
	Discharge Gas Pipe (Main Line)	in.	N/A	3/4	N/A	7/8	N/A	1-1/8	N/A	1-1/8	7/8 - 7/8	N/A	1-1/8	N/A	1-1/8	N/A	1-3/8
Connection Ratio	Standard Connectable Indoor Unit Ratio ³	%	50 - 130		50 - 150												
	Maximum Number of Indoor Units	Qty.	12	16	20	25	1-1/4	33	37	41							
Water Side (Standard)	BPHE Inlet Pipe (Female Thread)	in.	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	2 x 1-1/4	2 x 1-1/4	2 x 1-1/4	2 x 1-1/4	2 x 1-1/4	2 x 1-1/4	2 x 1-1/4
	BPHE Outlet Pipe (Female Thread)	in.	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	3/8	2 x 1-1/4	2 x 1-1/4	2 x 1-1/4	2 x 1-1/4	2 x 1-1/4	2 x 1-1/4
	Drain Pipe (Female Thread)	in.	1/2	3/8	3/8	3/8	3/8	3/8	3/8	3/8	60.5	2 x 3/8	2 x 3/8	2 x 3/8	2 x 3/8	2 x 3/8	2 x 3/8
	Maximum System Water Pressure (BPHE)	psi	285								464						
	Standard Inlet Water Temperature Range Cooling	°F	50 - 113														
	Standard Inlet Water Temperature Range Heating	°F	50 - 113														
	Recommended Inlet Water Flow Rate per Module (minimum)	gpm	15.9 - 39.6 (13.2)														
Water Side (Geothermal)	Inlet Water Temperature Range Cooling ⁴	°F	27 - 113								23 - 113						
	Inlet Water Temperature Range Heating ⁴	°F	14 - 95														
	Water Flow Rate ⁵	gpm	21.2 - 39.6														
Unit	Weight (230V/460V)	lbs.	434.3 / 440.9	434.3 / 440.9	438.7 / 445.3	438.7 / 445.3					2 X 440.9 / 2 X 440.9	438.7 + 434.3 / 445.3 + 440.9	2 x 438.7 / 2 x 445.3				
	Dimensions (H x W x D)	in.	38-9/16 x 30-1/8 x 22-1/16	38-9/16 x 30-1/8 x 22-1/16								38-9/16 x (30-1/8 x 2) x 22-1/16					
Electrical (208-230V)	Maximum Overcurrent Protection (MOP)	V	40	40	50	60					40 + 40	40 + 50	50 + 50				
	Minimum Circuit Amps (MCA)	A	37.9	38.3	45.2	52.6					38.3 + 38.3	38.3 + 45.2	45.2 + 45.2				
Electrical (460V)	Maximum Overcurrent Protection (MOP)	A	20	20	25	25					20 + 20	25 + 25	25 + 25				
	Minimum Circuit Amps (MCA)	A	17.2	17.3	20.4	23.8					17.3 + 17.3	17.3 + 20.4	20.4 + 20.4				
Compressor	Compressor Type		Inverter														
	Compressor Capacity Control	%	23 - 100	16 - 100	14 - 100	11 - 100					8 - 100	8 - 100	7 - 100				

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

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

³ Varies based on indoor and condensing unit model selected; refer to Engineering Manual for details.

RWEQ_TATJA/TAYDA



		22 Ton		24 Ton		26 Ton		28 Ton		30 Ton		32 Ton		34 Ton		36 Ton	
		RWEQ264TBTJA		RWEQ288TBTJA*		RWEQ312TBTJA*		RWEQ336TBTJA*		RWEQ360TBTJA*		RWEQ384TBTJA*		RWEQ408TBTJA*		RWEQ432TBTJA*	
		RWEQ264TBYDA		RWEQ288TBYDA*		RWEQ312TBYDA*		RWEQ336TBYDA*		RWEQ360TBYDA*		RWEQ384TBYDA*		RWEQ408TBYDA*		RWEQ432TBYDA*	
		RWEQ120T RWEQ144T		2 x RWEQ144TB		2 x RWEQ96TB RWEQ120TB		RWEQ96TB 2 x RWEQ120TB		3 x RWEQ120TB		2 x RWEQ120TB RWEQ144TB		RWEQ120TB 2 x RWEQ144TB		3 x RWEQ144TB	
		252,000		274,000		296,000		320,000		342,000		366,000		388,000		402,000	
		252,000		274,000		298,000		320,000		342,000		366,000		388,000		402,000	
		61.5		63.5		59		59.5		60		62		64		65	
		HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR
		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
		1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8	1-5/8	1-3/8	1-5/8	1-3/8	1-5/8	1-3/8	1-5/8	1-3/8
		N/A	1-3/8	N/A	1-3/8	N/A	1-3/8	N/A	1-3/8	N/A	1-5/8	N/A	1-5/8	N/A	1-5/8	N/A	1-5/8
		50 - 150															
		45		49		54		58		62		64		64		64	
		2 x 1-1/4		2 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4	
		2 x 1-1/4		2 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4		3 x 1-1/4	
		2 x 3/8		2 x 3/8		3 x 3/8		3 x 3/8		3 x 3/8		3 x 3/8		3 x 3/8		3 x 3/8	
		464															
		50 - 113															
		50 - 113															
		15.9 - 39.6 (13.2)															
		23 - 113															
		14 - 95															
		21.2 - 39.6															
		2 x 438.7 / 2 x 445.3		2 x 438.7 / 2 x 445.3		2 x 434.3 + 438.7 2 x 440.9 + 445.3		434.3 + 2 x 438.7 440.9 + 2 x 445.3		434.3 + 2 x 438.7 / 440.9 + 2 x 445.3		3 x 438.7 / 3 x 445.3		3 x 438.7 / 3 x 445.3		3 x 438.7 / 3 x 445.3	
		38-9/16 x 30-1/8 x 22-1/16															
		50 + 60		60 + 60		40 + 40 + 50		40 + 50 + 50		50 + 50 + 50		50 + 50 + 50		50 + 60 + 60		60 + 60 + 60	
		45.2 + 52.6		52.6 + 52.6		38.3 + 38.3 + 45.2		38.3 + 45.2 + 45.2		45.2 + 45.2 + 45.2		45.2 + 45.2 + 52.6		45.2 + 52.6 + 52.6		52.6 + 52.6 + 52.6	
		25 + 25		25 + 25		20 + 20 + 25		20 + 25 + 25		25 + 25 + 25		25 + 25 + 25		25 + 25 + 25		25 + 25 + 25	
		20.4 + 23.8		23.8 + 23.8		17.3 + 17.3 + 20.4		17.3 + 20.4 + 20.4		20.4 + 20.4 + 20.4		20.4 + 20.4 + 23.8		20.4 + 23.8 + 23.8		23.8 + 23.8 + 23.8	
		Inverter															
		6 - 100		5 - 100		5 - 100		5 - 100		5 - 100		4 - 100		4 - 100		4 - 100	

⁴ Application rules apply below 50°F. Please contact your local Daikin office for design assistance and approval.

⁵ Please note that a water strainer (standard accessory for the T-Series, field supplied for the PC-series) is required for each condensing unit.

⁶ PC series model. Some features and benefits may not be available for this model.

VRV S-series (R-32)

Heat Pump | 208-230V

R32

Small Size, Robust Possibility.

The Daikin VRV-S elevates the renowned VRV air-cooled technology with its sleek, compact design tailored for small-scale installations without compromising performance. The Daikin VRV-S comes integrated with Variable Refrigerant Temperature (VRT) technology that supports optimal comfort throughout the year while maintaining overall energy efficiency. Leveraging the engineering design opportunities of R-32, the new Daikin VRV-S provides an expansion of the product offering as well as several improvements compared to the previous Daikin VRV IV S-series. The new Daikin VRV-S improvements include the addition of a 2-ton size, single-fan chassis in all sizes, longer pipe lengths, efficiency, and capacity improvements, and more!

Light Commercial and Residential

A highly efficient solution, the Daikin VRV-S can provide cooling and heating for up to 9 zones. With many different indoor unit options, systems can be paired with a mix of ducted and duct-free indoor units for a customizable system. Designed for flexibility and versatility, the Daikin VRV-S system provides long piping lengths, which are accommodating and space-saving for almost any floor layout.

Low GWP R-32 Refrigerant:

Aligning with Daikin's goals of decarbonization, sustainability, and advancement towards clean energy, Daikin VRV-S models feature Low GWP R-32 refrigerant. Widely used and proven around the globe, easily available, efficient, and affordable, R-32 is an ideal choice to replace R-410A. Additionally, R-32 is a single component refrigerant offering simplicity and flexibility in charging and reclaiming (compared to blended refrigerants)



Capacity Range: 2 to 5 tons

Applications:



OFFICE



HOTELS



RESIDENTIAL



SCHOOLS

Features, Benefits, and Improvements:

- » Addition of a 2-ton model for a complete 2- to 5-ton offering
- » Long pipe lengths with vertical separation up to 164 ft. and total pipe length up to 984 ft.
- » Compact, space-saving single fan chassis design across all sizes
- » Dependable operation in extreme ambient conditions of up to 122°F¹
- » Compact height of only 34-1/4" to support a range of applications
- » Efficient operation and year-round energy savings through Variable Refrigerant Temperature (VRT) technology
- » Improved efficiencies in heating and cooling operation compared to the previous R-410A lineup
- » Quiet operation with sound levels as low as 56 dB(A)
- » Ease of retrofit of existing R-410A installation with the ability to re-use larger diameter refrigerant pipes via field setting
- » Optional base pan heater to defrost base pan in cooler climate applications
- » Increased nominal capacity compared to previous R-410A lineup up to 60,000 Btu/hr for the 5T model

¹ Conditions/rules apply. Refer to the Installation and Engineering Manual for details.



DAIKIN VRV-S SERIES						
STYLE	Model Name		RXTA24AAVJU	RXTA36AAVJU	RXTA48AAVJU	RXTA60AAVJU
	ODU Style	Fan Type	Single Fan			
PERFORMANCE	Nominal Cooling Capacity	BTU/H	24,000	36,000	48,000	60,000
	Nominal Heating Capacity	BTU/H	27,000	40,000	52,000	60,000
	Operation Range Cooling	°F DB	23 to 122			
	Operation Range Heating	°F WB	-4 to 60			
	Power	V/P/HZ	208-230/1/60			
	Sound Pressure Level @ 3ft	dB(A)	56	56	56	57
REFRIGERANT PIPING	Refrigerant		R-32			
	Refrigerant Quantity	lbs.	7.5	7.5	7.5	7.5
	Liquid Pipe (Main Line)	in.	3/8			
	Suction Gas Pipe (Main Line)	in.	5/8			
	Vertical Drop	ft.	164			
	Vertical Rise	ft.	130			
	Maximum vertical pipe length between IDU	ft.	49			
	Actual Pipe Length (Equivalent Length)	ft.	394 (492)			
CONNECTION RATIO	Total Piping Length	ft.	984			
	Connectable Indoor Unit Ratio	%	50-130			
	Number of Indoor Units	Qty	4	6	8	9
UNIT	Outdoor Unit Size	(HxWxD)	34-1/4 x 43-5/16 x 18-1/8			
	Weight	lbs.	220			
FAN	Airflow	CFM	3000			
	Fan Motor Output and Quantity	kW	0.20 x 1			
ELECTRICAL	Maximum Over Current Protection (MOP)	A	20	20	30	35
	Minimum Circuit Amps (MCA)	A	19.8	19.8	29.4	34.6
COMPRESSOR	Compressor Type	Type	Daikin Swing	Daikin Swing	Daikin Swing	Daikin Swing
	Capacity Control	%	14-100	14-100	14-100	14-100

Daikin VRV-S outdoor heat pumps are compatible only with the R-32 indoor units. R-410A-based indoor units are not compatible with the new Daikin VRV-S heat pump.



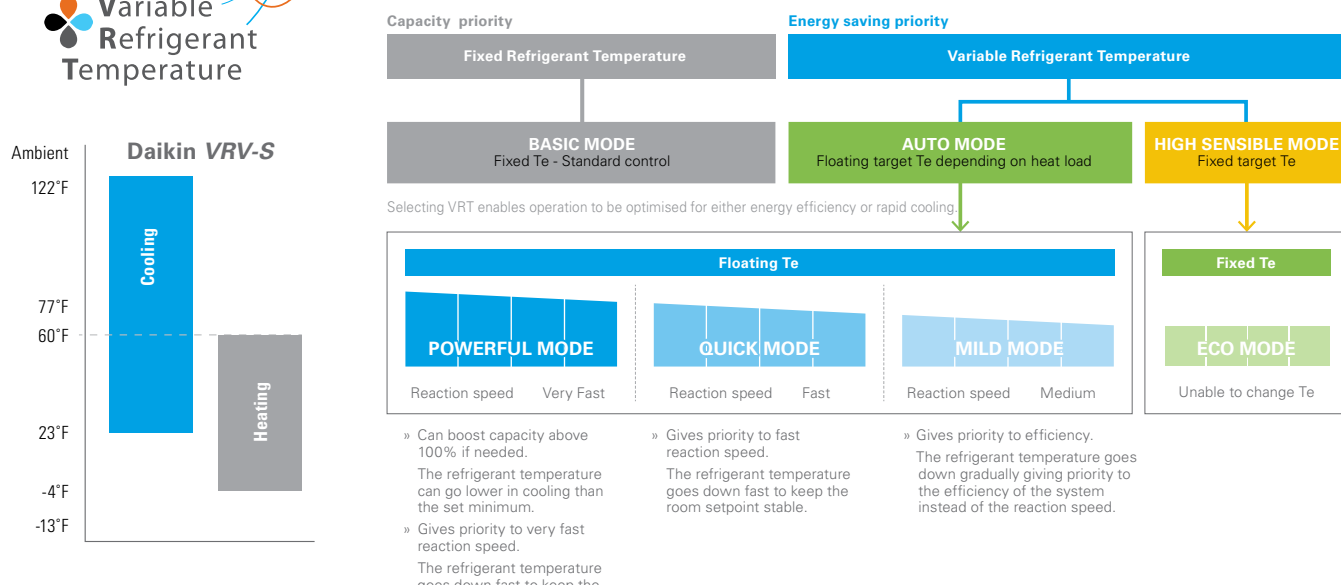
The Daikin Swing Compressor

- » Daikin VRV-S SERIES built with the highly reliable Daikin swing compressor
- » Daikin's swing compressor technology integrates all the moving parts into one component
- » The integration minimizes abrasion between moving parts and refrigerant leakage through gaps from high to low pressure zones
- » Daikin's swing compressors deliver higher compressor efficiencies than a standard rotary compressor



VRT mode control selection to match user preferences

Basic mode is selected to maintain optimal comfort. VRT is selected to save energy and prevent excessive cooling.

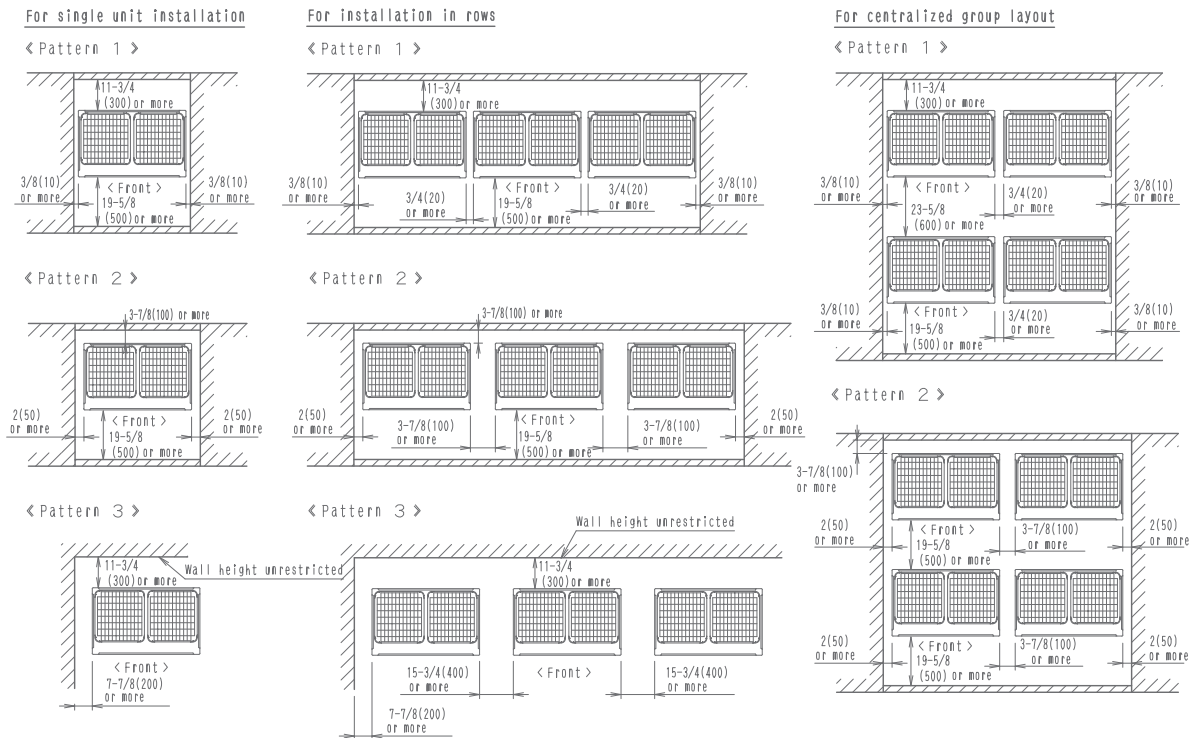




VRV EMERION / VRV IV X / VRV IV / VRV AURORA

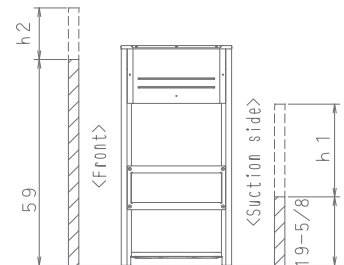
Installation Space Examples

- » The installation space requirement shown in the figure is a reference for cooling.
- » During installation, install the units using the most appropriate of the patterns shown in the figure for the location in question, taking into consideration human traffic and wind.
- » If the number of units installed is more than that shown in the pattern in the figure, install the units so that there is no air short circuiting.
- » Consider the space needed for the refrigerant piping when installing the units, as determined by local codes.
- » If the space requirements in the figure do not apply, contact your contractor or Daikin directly.



Notes

- Heights of walls in case of Patterns 1 and 2:
Front: 59in
Suction side: 19-5/8in
Side: Height unrestricted.
Installation space shown in this drawing is based on the cooling operation at 95°F outdoor air temperature. When the design outdoor temperature exceeds 95°F or the load exceeds maximum ability because of much generation load of heat in all outdoor unit, take the suction-side space more broadly than the space shown in this drawing.
- If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the figure.
- When installing, the units most appropriate pattern should be selected in order to obtain the best fit in the space available, always bearing in mind the need to leave enough space for a person to pass between the units and wall and for the air to circulate freely.
- The units should be installed to leave sufficient space at the front for the field refrigerant piping work to be carried out comfortably.

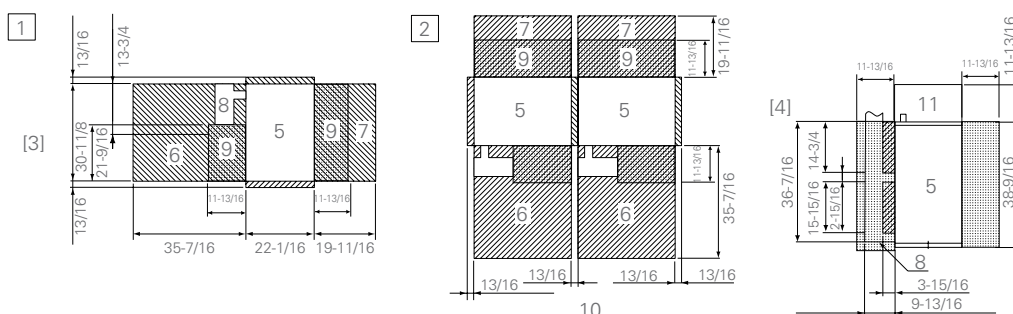




1. In case of a single installation [inch.]
2. In case of multiple unit installation [inch.]
3. Top view
4. Side view
5. Condensing unit
6. Service Space (front side)
7. Service Space (back side)
8. Space for installing water piping must be ample enough to remove the front panel.

9. Ventilation space (refer to Engineering Data Book for further details)
10. Secure spaces in the front, back, and top sides as same as the case of single installation.

11. Service space above the unit for refrigerant piping (refer to Engineering Data Book for further details)



VRV IV S-series

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

1. Where there is an obstacle on the suction side:

(a) No obstacle above

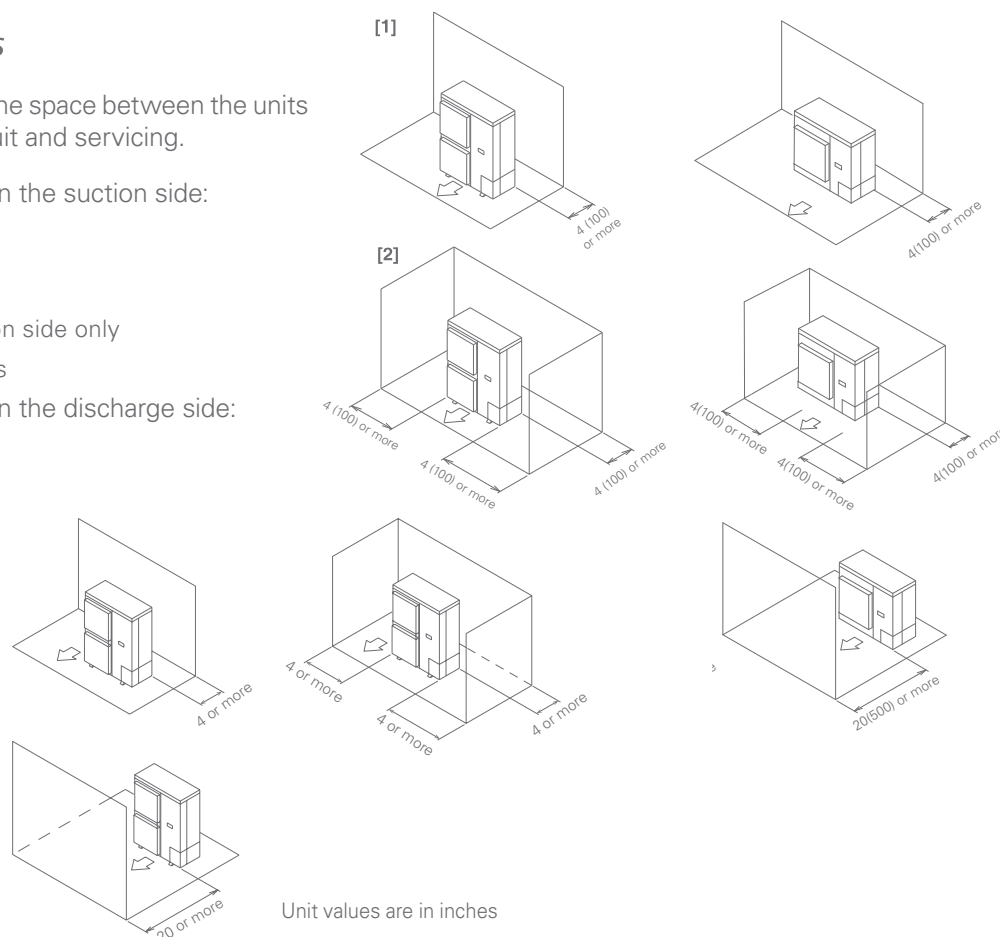
(1) Stand alone installation

- Obstacle on the suction side only
- Obstacle on both sides

2. Where there is an obstacle on the discharge side:

(a) No obstacle above

(1) Stand alone installation



Unit values are in inches

VRV Accessories

Branch Selector Boxes

New Flex Branch Selector for Ultimate Flexibility

Daikin's new *Flex Branch Selector* boxes are engineered to be compact and provide flexibility in design, installation, maintenance, and service. Packed with Daikin's state of the art technology, the new *Flex Branch Selector* boxes fit in tight mechanical spaces (common in ceilings) combined with flexibility in piping configuration and movable E-box makes the new design an ideal choice for commercial buildings.

Main Features and Benefits

Flexible

- » Design flexibility with versatile piping configurations of Left or Right or Pass through layouts.
- » Engineered for tight ceiling spaces with a compact height of 9½" and 0"¹ service clearance between the slab and the top of the *Flex Branch Selector* box.
- » Flexibility to expand design with up to 121 ports and 230Mbh¹ down stream capacity by connecting multiple boxes in series.
- » Ability to optimize installed system cost by reducing *REFNETs* and braze joints in pass thru configuration vs non-pass through configuration.
- » Simple electrical configurations with flexibility to re-position E-box.²
- » Ability to mix and match Daikin *Flex Branch Selector* boxes and standard branch selector box for ultimate design flexibility.

¹ Refer to engineering manuals for design rules

² Feature available for BSF4Q54TVJ (4-port) model only

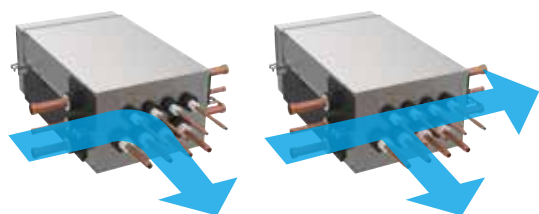


Installation Flexibility

- » Ease of maintenance with access to electronic expansion valve (EEV) heads and motor via side access panel.
- » Eliminate cross piping with refrigerant pipe identification labels.
- » Simple electrical and communication wiring with connection from the front side of E-box.²

Innovative

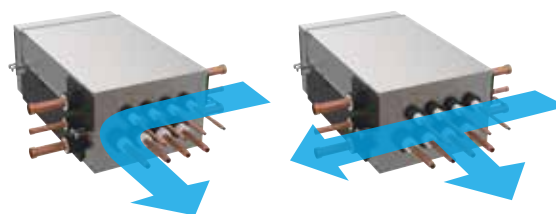
- » Daikin's high specification EEV enables precise refrigerant control for high comfort in user spaces and reliable system operation.
- » Hermetically sealed to prevent condensate build up within the unit, eliminating the need for a condensate drain pan and plumbing connections for a simple installation.
- » Low ambient cooling down to -4°F¹ for simple and integrated system design.



From Left

Left and
Pass Thru

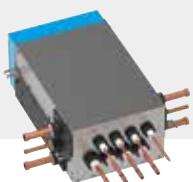
OR



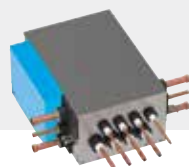
From Right

Right and
Pass Thru

Factory Default Rear E-box

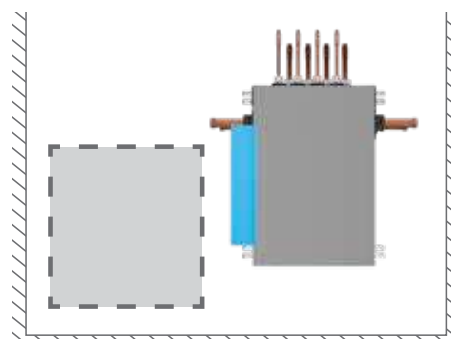
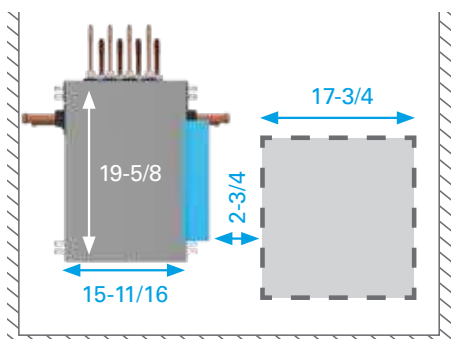
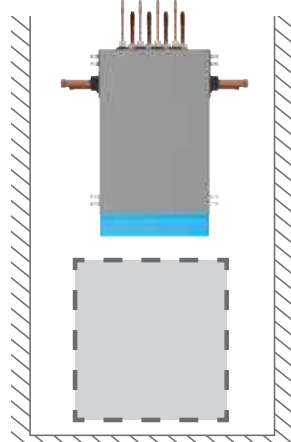
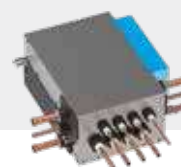


Field Convertible to Left Sided



OR

Field Convertible to Right Sided

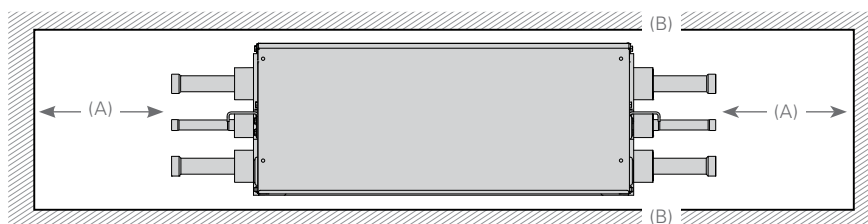


*Available on 4 port only.

TECHNICAL DATA FOR MULTI-PORT BRANCH SELECTOR BOXES

TECHNICAL DATA FOR MOSTLY FORTY BRANCH SELECT FOR BOXES				BSF4Q54TVJ		BSF6Q54TVJ		BSF8Q54TVJ			
Number of Branches				4		6		8			
Maximum capacity index per branch				54							
Max Total Capacity Index when in Parallel/ when in Series				144		216 / 162		290 / 162			
Max Number of Connectable Indoor Units Per Branch				5							
Max total capacity Index under BS Units Connected in Series				230							
Connecting Pipes	Indoor Unit	Liquid	in.	3/8 (1/4) Brazing							
		Gas	in.	5/8 (1/2) Brazing							
	Outdoor unit	Liquid	in.	5/8 Brazing							
		Suction Gas	in.	1-1/8 Brazing							
		HP/LP Gas	in.	1-1/8 Brazing							
	Electrical	Power Supply		ph/V/Hz	Single phase / 208-230V / 60Hz						
Maximum Overcurrent Protection, MOP		A	15								
Minimum Circuit Amps, MCA		A	0.4		0.6		0.8				
Sound Level	Operating sound		dB (A)	37		40.5		40.5			
	Max. sound		dB (A)	47		50		50			
Weight				lbs.		49		73		81	
Dimensions (H x W x D)				in.		9 -1/2 x 13-3/4 x 23-3/4		9 -1/2 x 23-3/8 x 23-3/4			

MULTI-PORT BRANCH SELECTOR BOX INSTALLATION SPACE



MINIMUM CLEARNACE		BSF4Q54TVJ	BSF6Q54TVJ	BSF8Q54TVJ
A	in.	20		
B	in.	3/16		

VRV Accessories

Branch Selector Boxes (cont.)

Branch Selector Boxes for Heat Recovery Systems

Providing flexibility and minimizing mechanical and electrical installation costs, Daikin's branch selector boxes are ideal for spaces that require individual heating and cooling control.

- » New Flex Branch Selector models offered in 4, 6, and 8 port.
- » Ability to connect multiple branch selector boxes in series or in parallel when using Flex Branch Selector Box
- » Extend phase installation capability of *VRV EMERION* and *VRV IV X* by leveraging Flex Branch Selector box ability to add on additional boxes in series
- » Wide range of product offerings with 1, 4, 6, 8, 10 and 12 port options
- » No drain or condensate consideration required
- » Unlimited number of unused ports per box or system
- » Reduce electrical and mechanical installation costs
- » Ultimate flexibility – Choose multi-port or single-port styles to customize your design

Branch Selector Boxes Compatibility

Single-Port and Multi-Port Branch Selector Boxes BS-TVJ and BSF-TVJ series are compatible with *VRV EMERION*, *VRV IV X*, *VRV IV* and *VRV T-Series* Water-Cooled Heat Recovery Units.



BSQ36TAVJ, BSQ60TAVJ,
& BSQ96TAVJ Single Port



BS4Q54TAVJ



BS6Q54TAVJ, BS8Q54TVJ



BS10Q54TVJ, BS12Q54TAVJ



BSF4Q54TVJ



BSF8Q54TVJ



BSF6Q54TVJ

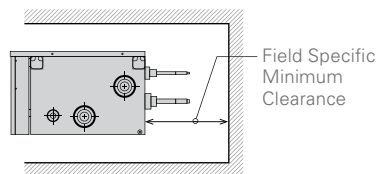
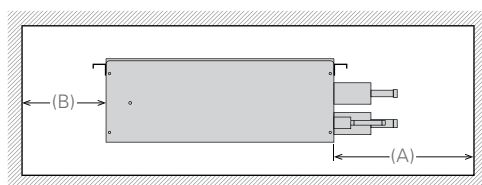
Daikin's branch selector boxes are ideal for spaces that require individual heating and cooling control.

STANDARD MULTI-PORT T-SERIES

TECHNICAL DATA - MULTI-PORT T-SERIES BRANCH SELECTOR BOXES

Model				BS4Q54TAVJ	BS10Q54TAVJ	BS12Q54TAVJ
Number of branches				4	10	12
Maximum capacity index per branch					54	
Maximum total capacity index				144	290	
Maximum connectable indoor units per branch					5	
Connecting Pipes	IU	Liquid	in.	Ø1/4, Ø3/8		
		Gas	in.	Ø1/2, Ø5/8		
	OU	Liquid	in.	Ø3/8	Ø5/8	
		Suction Gas	in.	Ø7/8	Ø1-1/8	
		HP/LP Gas	in.	Ø3/4	Ø1-1/8	
Electrical	Power Supply		ph/V/Hz	1/208-230/60		
	Maximum Overcurrent Protection, MOP		A	15		
	Minimum Circuit Amps, MCA		A	1	1.2	
Mass (Weight)			lbs.	49	101	106
Dimensions (H x W x D)			in.	11-3/4 x 14-9/16 x 18-15/16	11-3/4 x 32-5/16 x 18-15/16	

STANDARD T-SERIES MULTI PORT BRANCH SELECTOR BOXES INSTALLATION SPACE



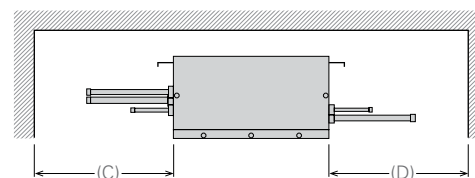
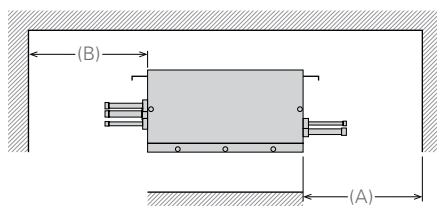
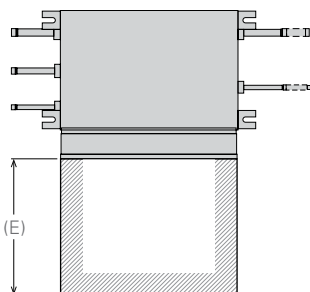
MINIMUM CLEARANCE		BS4Q54TAVJ	BS10Q54TAVJ	BS12Q54TAVJ
A	in.		20	
B	in.		11-3/4	

SINGLE PORT BRANCH SELECTOR BOXES

TECHNICAL DATA FOR SINGLE-PORT BRANCH SELECTOR BOXES

Model				BSQ36TAVJ	BSQ60TAVJ	BSQ96TAVJ
Number of branches				1	1	1
Maximum capacity index				36	60	96
Maximum connectable indoor units				4	8	8
Connecting Pipes	IU	Liquid	in.	Ø3/8		
		Gas	in.	Ø5/8		Ø7/8
	OU	Liquid	in.	Ø3/8		
		Suction Gas	in.	Ø5/8		Ø7/8
		HP/LP Gas	in.	Ø1/2		Ø3/4
	Electrical	Power Supply		ph/V/Hz	1/208-230/60	
Maximum Overcurrent Protection, MOP		A	15			
Minimum Circuit Amps, MCA		A	0.1			
Mass (Weight)			lbs.	24	24	31
Dimensions (H x W x D)			in.	8-1/8 x 15-1/4 x 12-13/16		

SINGLE-PORT BRANCH SELECTOR BOX INSTALLATION SPACE



MINIMUM CLEARANCE		BSQ36TAVJ	BSQ60TAVJ	BSQ96TAVJ
A	in.	10	10	12
B	in.	10	10	12
C	in.	-	13-3/4	15-3/4
D	in.	12	13-3/4	15-3/4
E	in.	12	12	11-13/16

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

VRV Accessories

REFNET | Pipe Joints

REFNET

REFNET joints distribute correct flow of refrigerant in every branch of the piping network. Sourced locally and complies to ASTM E-84 Class A low flame and smoke spread index requirements.



REFNET Joint



REFNET Header

VRV IV X, VRV IV / VRV AURORA Heat Pump

OPTIONAL ACCESSORIES		RXYQ72 - 96T RXYQ72 - 96X RXLQ72 - 96T	RXYQ120-168T RXYQ120-168X RXLQ120T	RXYQ192-336T RXYQ192-336X RXLQ144-240T	RXYQ360-408T RXYQ360-408X RXYQ360-480MBH
Distributed piping	REFNET Header	KHRP26M22H (max. 4 branch) KHRP26M33H (max. 8 branch)	KHRP26M22H (max. 4 branch) KHRP26M33H (max. 8 branch) KHRP26M72H (max. 8 branch)	KHRP26M22H (max. 4 branch) KHRP26M33H (max. 8 branch) KHRP26M72H (max. 8 branch) KHRP26M73HU (max. 8 branch)	
	REFNET Joint	KHRP26A22T, KHRP26A33T	KHRP26A22T, KHRP26A33T, KHRP26M72TU	KHRP26A22T, KHRP26A33T, KHRP26M72TU, KHRP26M73TU	
Outdoor unit multi connection piping kit		—		BHFP22P100U	BHFP22P151U

VRV EMERION / VRV IV X / VRV IV / VRV AURORA Heat Recovery

OPTIONAL ACCESSORIES		REYQ72 - 96A REYQ72 - 96X RELQ72 - 96T	REYQ120-168A REYQ120-168X REYQ120-168T	REYQ192-480A REYQ192-336X REYQ192-336T	REYQ360-456X REYQ360-456T
Distributed piping	REFNET header	KHRP25M33H (max. 8 branch)	KHRP25M33H (max. 8 branch) KHRP25M72H (max. 8 branch)	KHRP25M33H (max. 8 branch) KHRP25M72H (max. 8 branch) KHRP25M73HU (max. 8 branch)	
	REFNET joint	KHRP25A22T KHRP25A33T	KHRP25A22T KHRP25A33T KHRP25M72TU	KHRP25A22T KHRP25A33T KHRP25M72TU KHRP25M73TU	
Outdoor unit multi connection piping kit		—		BHFP26P100U ¹	BHFP26P151U

¹Reducer pipe kit KHRP26P100UA is required for REYQ264-480A models

VRV T-Series Water-Cooled Heat Pump/Heat Recovery and VRV IV-S

UNIT MODEL NUMBER		VRV T-SERIES WATER-COOLED				VRV IV-S
		RWEQ96T	RWEQ120T	RWEQ144T	RWEQ192 - 288T	RXTQ36TBVJUA RXTQ48TBVJUA RXTQ60TBVJUA
REFNET Header	Heat Pump	KHRP26M22H (Max 4 branch) KHRP26M33H (Max 8 branch)	KHRP26M22H (Max 4 branch), KHRP26M33H (Max 8 branch) KHRP26M72H (Max 8 branch)		KHRP26M22H (Max 4 branch), KHRP26M33H (Max 8 branch) KHRP26M72H (Max 8 branch), KHRP26M73HU (Max 8 branch)	KHRP26M22H (Max. 4 branch) KHRP26M33H (Max. 8 branch)
	Heat Recovery	KHRP25M33H (Max 8 branch)	KHRP25M33H (Max 8 branch) KHRP25M72H (Max 8 branch)		KHRP25M33H (Max 8 branch), KHRP25M72H (Max 8 branch) KHRP25M73HU (Max 8 branch)	—
REFNET Joint	Heat Pump	KHRP26A22T, KHRP26A33T	KHRP26A22T, KHRP26A33T, KHRP26M72TU		KHRP26A22T, KHRP26A33T, KHRP26M72TU, KHRP26M73TU	KHRP26A22T
	Heat Recovery	KHRP25A22T, KHRP25A33T	KHRP25A22T, KHRP25A33T, KHRP25M72TU		KHRP25A22T, KHRP25A33T, KHRP25M72TU, KHRP25M73TU	—
Outdoor Unit Multi Piping Connection Kit	Heat Pump	—			BHFP22T84U	BHFP22T126U
	Heat Recovery	—			BHFP26T84U	BHFP26T126U

Hail Guard Kits

The optional hail guard kit for VRV 3-phase enables optimal airflow for efficient heat transfer while providing condenser coil protection from hail damage in severe climates. Each hail guard kit, that is field installed, consists of 4 panels (Right, Left, Front and Back).

Hail Guard Kit for VRV IV X, VRV IV, and VRV AURORA

	QUANTITY OF KITS PER ODU MODELS					PANEL DIMENSIONS (H X W X D)			
	R_YQ72T	R_YQ96-168T	R_YQ192T	R_YQ216-336T	R_YQ360-456T	Right Panel	Left Panel	Front Panel	Front Panel
VRV IV		R_LQ72-120T		R_LQ144-240T					
VRV AURORA									
VRV IV X HP	RXYQ72X	RXYQ96-168X	RXYQ192X	RXYQ216-336X	RXYQ360-456X				
VRV IV X HR		REYQ72-168X		REYQ192-336X	REYQ360-408X				
VRV4HGS-K1	1		1			45 ⁷ / ₈ " x 26" x 4"	45 ⁷ / ₈ " x 12 ⁷ / ₈ " x 4"	45 ⁷ / ₈ " x 13 ¹ / ₄ " x 4"	45 ⁷ / ₈ " x 32 ⁵ / ₈ " x 4"
VRV4HGL-K1		1	1	2	3				

*Refer engineering and installation manual for more detail.

Hail Guard Kit for VRV EMERION

	QUANTITY OF KITS PER ODU MODELS		
	RXYQ72A / REYQ72A	RXYQ96-168A / REYQ96-168A	RXYQ192-240A / REYQ192-240A-240A
VRV6HGM-K1	1		
VRV6HGL-K1		1	
VRV6HGL-K1			1



Snow/Wind Hood Kits

The optional Snow/Wind Hood Kits mount over the heat exchanger coil to protect from snow build-up and wind in cold climates. The Hoods install easily to condensing units using existing screw taps with no modification required. Different kits can be ordered for different job requirements.

	KIT PART NUMBER	CHASSIS SIZE	KIT INCLUSION	
VRV IV X AURORA	VRV-SHS-FR	Small Chassis	Front Hood	Rear Hood
	VRV-SHL-FR	Large Chassis	Front Hood	Rear Hood
	VRV-SH-RL	Both Chassis	Right Hood	Left Hood
	VRV-SHS-T	Small Chassis	Top Hood	
	VRV-SHL-T	Large Chassis	Top Hood	

	KIT PART NUMBER	CHASSIS SIZE	KIT INCLUSION	
VRV EMERION	VRV6-SHM-FR	Medium Chassis	Front Hood	Rear Hood
	VRV6-SHL-FR	Large Chassis	Front Hood	Rear Hood
	VRV6-SHXL-FR	X-Large Chassis	Front Hood	Rear Hood
	VRV6-SH-RL	All Chassis	Right Hood	Left Hood
	VRV6-SHM-T	Medium Chassis	Top Hood	
	VRV6-SHL-T	Large Chassis	Top Hood	
	VRV6-SHXL-T	X-Large Chassis	Top Hood	

NUMBER OF KITS REQUIRED FOR EACH OUTDOOR SYSTEM														
MODEL TYPE			NUMBER OF MODULES	VRV6-SHM-FR	VRV6-SHL-FR	VRV6-SHXL-FR	VRV6-SHM-T	VRV6-SHL-T	VRV6-SHXL-T	VRV6-SH-RL	VRV-SHS-FR	VRV-SHL-FR	VRV-SH-RL	VRV-SHS-T
VRV EMERION	208-230V / 460V	RXYQ72A, REYQ72A	Single	1			1			1				
		RXYQ96-168A, REYQ96-168A	Single		1			1		1				
		RXYQ196-240A, REYQ196-240A	Single			1			1	1				
		RXYQ264-336A, REYQ264-336A	Dual		2			2		1				
		RXYQ360A, REYQ360A	Dual		1	1		1	1	1				
		RXYQ384-480A, REYQ384-480A	Dual			2			2	1				
VRV AURORA	208-230V / 460V / 575V	R_LQ72-120T	Single									1	1	1
		R_LQ144-240T	Dual									2	1	2
VRV IV Heat Recovery Heat Pump	208-230V / 460V	R_YQ72T	Single								1		1	1
		R_YQ96-168T	Single									1	1	1
		R_YQ192T	Dual								1	1	1	1
		R_YQ216-336T	Dual									2	1	2
		R_YQ360-456T*	Triple									3	1	3
VRV IV X Heat Recovery	208-230V / 460V	REYQ72-168X	Single									1	1	1
		REYQ192-336X	Dual									2	1	2
		REYQ360-456X	Triple									3	1	3
VRV IV X Heat Pump	208-230V / 460V	RXYQ72X	Single								1		1	1
		RXYQ96-168X	Single									1	1	1
		RXYQ192X	Dual								1	1	1	1
		RXYQ216-336X	Dual									2	1	2
		RXYQ360-408X	Triple									3	1	3

*Up to 408 on Heat Pump

Air Handling Unit (AHU) Integration Kit



Designed for High-Efficiency

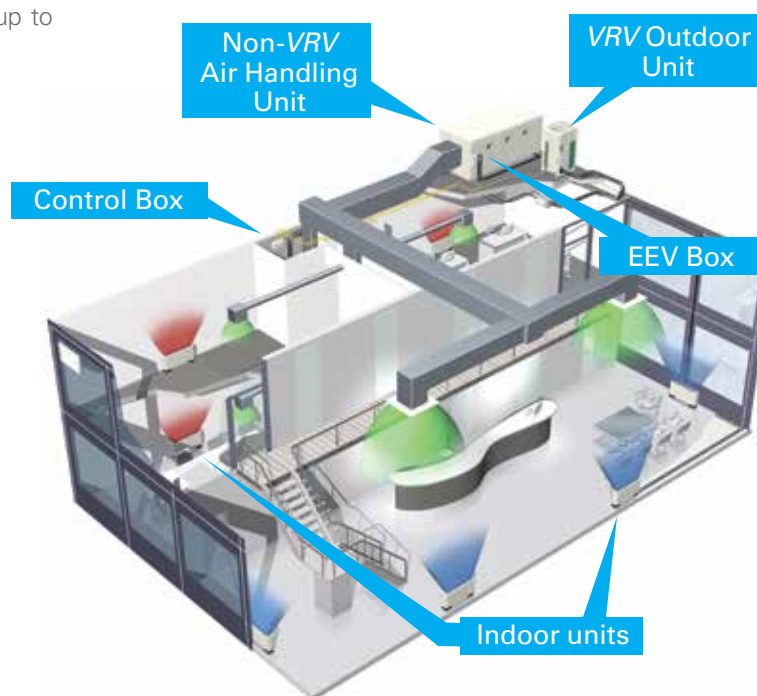
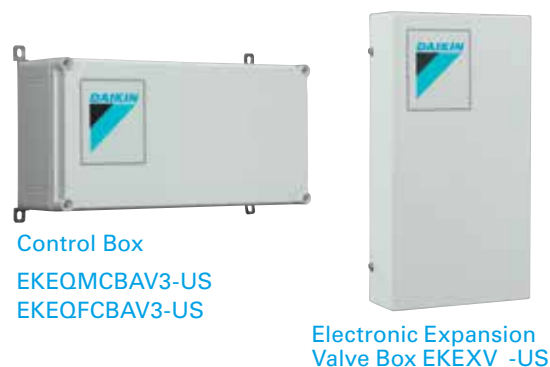
The Daikin Air Handling Unit Integration Kit enables a non-VRV Air Handling Unit to be fully integrated into a Daikin VRV system, allowing the benefits of inverter technology to extend to custom terminal units and air handling equipment.

Designed for high system efficiency, the Air Handling Unit Integration Kit offers a seamless integration and optimized design flexibility for Air Handling Units while keeping total installation and commissioning time to a minimum.

A kit consists of one Control Box and one EEV Box. Two different control methods can be used for an evaporator coil of up to 16 tons.

Features and Benefits

- » Enables non-VRV Air Handling Units to be seamlessly integrated into a Daikin VRV system
- » Integrates to VRV Heat Pump and Heat Recovery systems*
- » Daikin DIII-NET communication compatible — can be used with both Daikin *iTM* and *Navigation* controller
- » Separate Control Box and EEV Box accommodates flexible installation
- » Available with two control methods:
 - EKEQMCBAV3-US (Z-Control)
 - Standard VRV indoor unit room temperature control
 - EKEQFCBAV3-US (W-Control)
 - Field supplied temperature sensor
 - Field supplied DDC controller with 0-10V capability)



* Important! For any VRV systems that utilize the AHU integration kits to perform as intended, the DX coil(s) in the non-VRV AHU unit(s) must meet the range of criteria set forth in the AHU Integration Kit Selection Guide and all associated piping and combination rules (refer to IOD-7041A and IOD-7042A), and should be installed in accordance to the installation manual provided with the EKEQ control boxes.

ELECTRONIC EXPANSION VALVE BOX SPECIFICATIONS		EKEXV50-US	EKEXV63-US	EKEXV80-US	EKEXV100-US	EKEXV125-US	EKEXV140-US	EKEXV200-US	EKEXV250-US	EKEXV400-US	EKEXV500-US
Nominal Capacity	BTU/h	18,000	24,000	30,000	36,000	48,000	60,000	72,000	96,000	144,000	192,000
AHU Heat Exchanger Cooling Capacity Range	BTU/h	17,000-21,000	21,500-26,500	27,000-34,500	34,000-42,000	42,500-52,500	53,000-60,000	60,500-84,000	84,500-105,000	120,000-169,000	170,000-210,000
AHU Heat Exchanger Heating Capacity Range	BTU/h	19,000-24,000	24,200-30,000	30,500-38,000	38,500-47,000	47,500-59,000	59,500-67,500	68,000-94,500	95,000-118,500	136,000-187,500	188,000-236,500
AHU Heat Exchanger Refrigerant Volume Range	in ³	46-100	101-126	127-161	162-201	202-251	252-281	282-402	403-503	564-804	806-1006
Power Supply	V/ph/Hz	208-230/1/60									
Weight	lbs.	6.4									
Height	in.	15-3/4									
Width	in.	8-1/2									
Depth	in.	3-1/16									
Pipe Connections	in.	1/2 x 1/4	3/8 x 5/8					3/4 x 3/8	7/8 x 3/8	1-1/8 x 1/2	1-1/8 x 5/8

* Important! For any VRV systems that utilize the AHU integration kits to perform as intended, the DX coil(s) in the non-VRV AHU unit(s) must meet the range of criteria set forth in the AHU Integration Kit Selection Guide and all associated piping and combination rules (refer to IOD-7041A and IOD-7042A), and should be installed in accordance to the installation manual provided with the EKEQ control boxes.



Features and Benefits

- » Designed for both indoor and outdoor installation
- » Equipped with refrigerant filters on both sides of the expansion valve
- » Can be mounted up to 16 ft (5m) away from the air handling unit
- » Simplified installation with inlet and outlet brazed connections
- » Wide range that covers from 1.5 ton to 16 ton
- » Same EEVs as used in standard VRV Indoor product to deliver precise refrigerant control

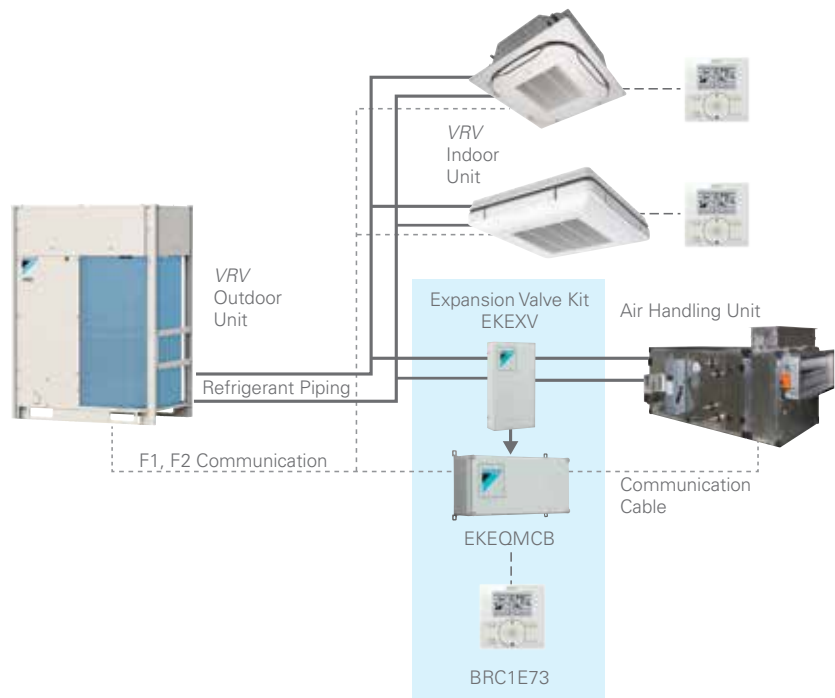
Control Box

EKE _CBAV3-US

EKEQMCBAV3 - US

For use with both Daikin VRV indoor units and custom air handling units

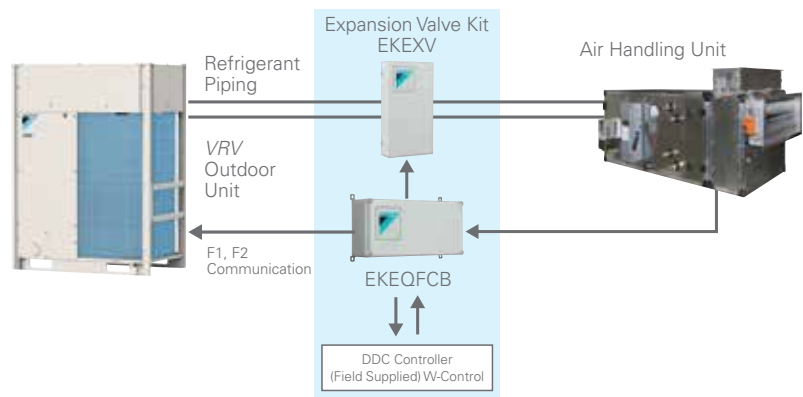
- » Allows for discharge air control
- » Seamless integration of non-VRV air handling units with VRV /VHP and HR systems
- » Enables control of the AHU as a VRV Indoor unit when integrated with a Daikin remote control
- » Connect other VRV indoor units along with the AHU to the condensing units
- » Provides remote ON/OFF option when integrated with optional KRP4A71 board
- » Designed for both indoor and outdoor installations



EKEQFCBAV3 - US

For use with custom air handling units only

- » Seamlessly integrate non-VRV air handling units with VRV /VHP
- » Best suited for applications where 1 AHU is connected to 1 VRV system only
- » Connect up to 3 integration kits per VRV system to serve a large capacity AHU
- » Unified cooling and heating mode programming
- » Enables control of AHU unit using field temperature sensor and 0-10V field supplied DDC controller
- » Allows for discharge air temperature control





CONTROL BOX SPECIFICATIONS		EKEQMCBAV3-US (Z-Control)	EKEQFCBAV3-US (W-CONTROL)
Entering Air Temperature Limits	Cooling °F	57 WB - 77 WB	106 DB/90 WB
	Heating °F	50 DB - 80 DB	Min of 23 DB
Power Supply	V/ph/Hz	208-230/1/60	
Weight	lbs.	8	8.6
Height	in.	5-13/64	
Width	in.	15-3/4	
Depth	in.	9-3/8	
Connection Ratio		50 - 110%	90 - 110%
Max Piping Distance	EKEXV to AHU	16 ft.	16ft.
	ODU to AHU	Standard V/RV outdoor unit piping limitations based on model selection apply	360 ft*
Max number of IDU/system			
V/RV/IDU + AHU		64	Not available
AHU Only		32	1

*Capacity de-rate applies beyond 164 ft

VRV System Compatibility

VRV System			AHU Integration Kit Type	
VRV System Type	Type	Series	EKEQMCBAV3-US	EKEQFCBAV3-US
			Z-Control	W-Control
Air-Cooled all voltages (3-Phase)	Heat Pump	RXYQ_PB		
		RXYQ_T*	✓	✓
		RXLQ_T*	✓	✓
		RXYQ_X*	✓	✓
	Heat Recovery	REYQ_PB		
		REYQ_PC	✓	
		REYQ_T*	✓	
		RELQ_T*	✓	
Air-Cooled all voltages (1-Phase)	Heat Pump	RXYMQ_P		
		RXTQ_T*	✓	✓
Water-Cooled all voltages (3-Phase)	Heat Pump	RWEYQ_P		
		RWEYQ_PC	✓	✓
		RWEQT*	✓	✓
	Heat Recovery	RWEYQ_P	✓	
		RWEYQ_PC	✓	
		RWEQT*	✓	



VRV Products Ventilation



FXMQ_MFVJU

100% Outside Air Processing Unit



Outside Air
Integration Possible

Filter
Included

Concealed, Powerful, Compact, Quiet, Fresh Air Quality

This unit provides a zoned, decentralized approach to conditioning outside air. This helps to reduce ductwork and installation time while increasing efficiency and flexibility. Both outside air treatment and space conditioning can be provided from one compact, flexible and efficient VRV system. VRV indoor units and the outdoor air processing unit can be connected to the same refrigerant line, enabling enhanced design flexibility.

Features and Benefits

- » Available in three capacities, nominal 48, 72 and 96 MBH
- » The nominal airflow rates are 635, 988, and 1,236 CFM respectively
- » External static pressure capabilities of up to 1.03" W.G. allows for flexibility with duct work and filtration choices
- » The indoor unit is controlled to a set cooling and heating discharge air temperature allowing the flexibility to integrate with a standard Daikin indoor unit or duct directly to the space
- » A low profile design of only 18.5" high reduces the required installation space and can eliminate mechanical rooms or additional structural supports associated with traditional OA systems
- » Indoor Air Quality options include MERV 8 and 13 filters and filter boxes
- » Can be connected to all North American Daikin VRV systems
- » Connects directly and seamlessly into the Daikin local and centralized controllers

Operational Characteristics

When the suction air temperature is between 66°F and 109°F, the Outside Air Processing Unit operates in cooling, and when between 23°F and 59°F, it operates in heating. The OA processing unit will work in energy saving fan only between 59°F and 66°F.



BRC1H71W
(option)



BRC1NRV71/72
(option)

Layout example

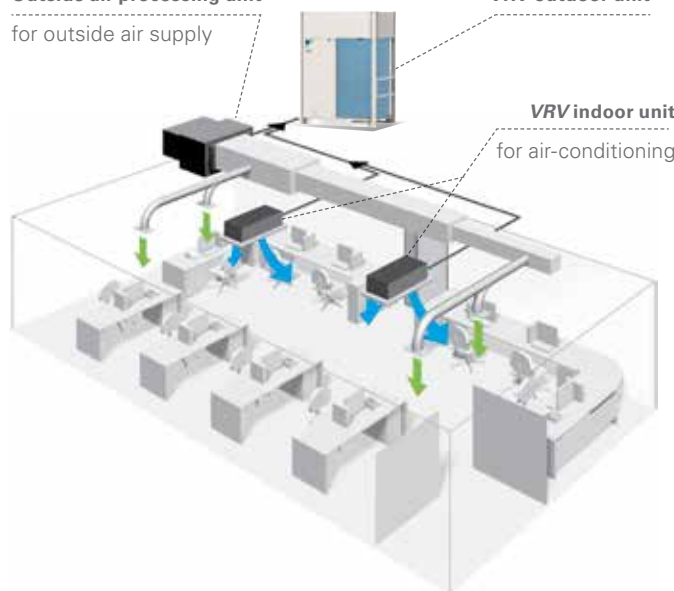
Outside air processing unit

for outside air supply

VRV outdoor unit

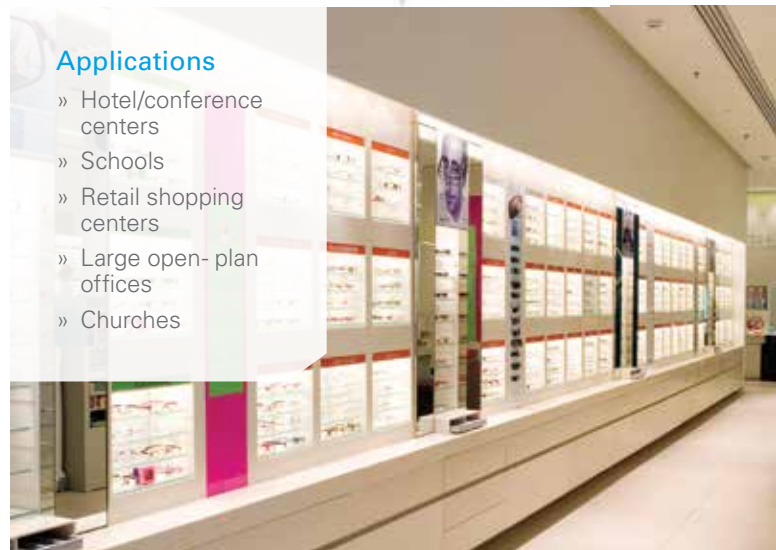
VRV indoor unit

for air-conditioning



Applications

- » Hotel/conference centers
- » Schools
- » Retail shopping centers
- » Large open-plan offices
- » Churches



FXMQ_MFVJU SPECIFICATIONS			4 TON	6 TON	8 TON
Model Name			FXMQ48MFVJU	FXMQ72MFVJU	FXMQ96MFVJU
Power Supply		V/ph/Hz	208-230/1/60		
Rated Cooling Capacity		BTU/h	48,000	72,000	96,000
Rated Heating Capacity		BTU/h	30,000	47,000	59,000
Airflow Rate		CFM	635	988	1,236
Weight		lbs.	190	271	
Height		in.	18-1/2		
Width		in.	29-1/4	54-3/8	
Depth		in.	43-5/16		
Sound Pressure		dB(A)	42	47	
External Static Pressure		in. Wg	0.88	0.96	1.03
Pipe Connections	Gas	in.	5/8	3/4	7/8
	Liquid	in.	3/8		
Protection Devices			Fuse		
			Fan Motor Thermal Protector		
External Finish			Galvanized Steel Plate		
Operating Range - Cooling		°F	66 DB/59 WB - 109 DB/90 WB		
Operating Range - Heating		°F	23 DB to 59 DB		
Discharge Air Temp. - Cooling		°F	55-77		
Discharge Air Temp. - Heating		°F	64-86		

Nominal Conditions:

Cooling Mode

Discharge Set Temperature: 64°F DB
Outdoor: 91°F DB, 82°F WB (68% RH)
Pipe Length: 25 ft.
Level Difference: 0 ft.

Heating Mode

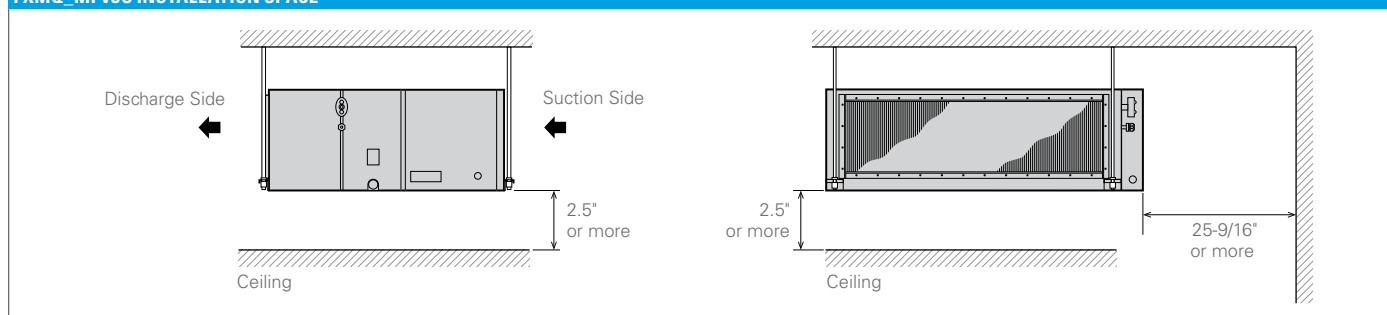
Discharge Set Temperature: 77°F DB
Outdoor: 32°F DB, 27°F WB (50% RH)
Pipe Length: 25 ft.
Level Difference: 0 ft.

Note: Specifications are subject to change without notice.

FXMQ_MFVJU ACCESSORIES

Model Name	FXMQ48MFVJU	FXMQ72MFVJU	FXMQ96MFVJU
Navigation Remote Controller		BRC1NRV71/72	
Wireless Remote Controller		BRC4C82	
BRC1H71W		Madoka Remote Controller	
KRCSH2018-01		Button Sensor Kit	
Remote Sensor Kit		KRCS01-1B	
Wiring Adaptor PCB (interface with aux/primary heater, humidifier, OA damper/fan)		KRP1C74	
Group Control Adaptor PCB (connects to external BMS)		KRP4A71	
High-Efficiency Filter Kit (MERV 13)	DACA-MQ48F131K		DACA-MQ96F131K
High-Efficiency Filter Kit (MERV 8)	DACA-MQ48F-8-1K		DACA-MQ96F-8-1K

FXMQ_MFVJU INSTALLATION SPACE



VAM-GVJU

Energy Recovery Ventilator



Outside Air
Integration Possible

Helping to Improve Indoor Air Quality and Energy Efficiency

The VAM Energy Recovery Ventilator is designed to help improve indoor air quality and reduce the overall HVAC system power consumption. This is achieved by providing fresh outside air and recovering waste heat from exhaust air leaving the conditioned space.

Features and Benefits

- » Provides energy-saving heat recovery ventilation via a new heat exchanger with high temperature and enthalpy recovery efficiency
- » Design flexibility thanks to high static pressure fans and the capability for use in a wide range of climates (5°F to 122°F DB and 80% RH or less)*
- » Wide range of functions such as independent operation, interlock with other HVAC systems, and automatic night purge to reduce cooling loads and increase energy savings
- » Interlocked simultaneous operation with VRV indoor units through a single controller
- » Auto mode switches the ventilation mode (total heat exchange mode to bypass mode) according to the operating status of the air conditioner system
- » Pre-cooling/heating control function to delay the start of ventilation during air conditioner start-up for higher energy savings
- » Supply and exhaust fresh-up operation modes to control pressure within a space
- » Filter sign and display reset notifies when filter changes are required
- » ESP as high as 0.76" W.G.
- » Sound levels as low as 25.5 dB(A) for sound-sensitive installation locations

* Performance characteristics certified to AHRI Standard 1060 are only applicable to the cooling and heating operating conditions specified in the performance table of this document.

- The cooling effectiveness shall be based on 95°F DB / 78°F WB for the entering supply air and 75°F DB / 63°F WB for the entering exhaust air, at a leaving supply airflow of both 100% and 75% of the rated airflow.
- The heating effectiveness shall be based on 35°F DB / 33°F WB for the entering supply air and 70°F DB / 58°F WB for the entering exhaust air, at a leaving supply airflow of both 100% and 75% of the rated airflow.



BRC1H71W
(option)



BRC1NRV71/72
(option)

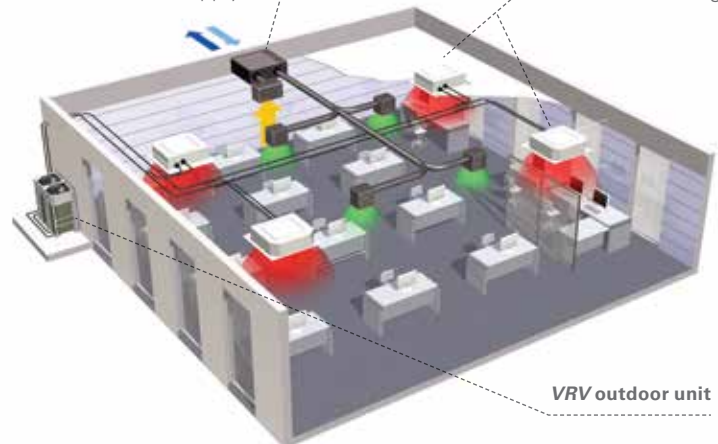
Layout example

Energy Recovery Ventilator

for outside air supply

VRV indoor unit

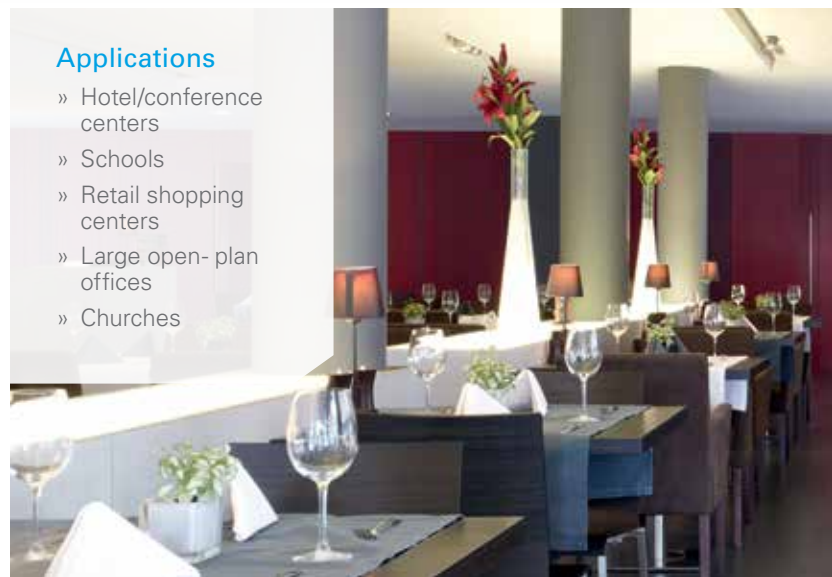
for air-conditioning



VRV outdoor unit

Applications

- » Hotel/conference centers
- » Schools
- » Retail shopping centers
- » Large open-plan offices
- » Churches



VAM SPECIFICATIONS									
Mode		Airflow		Effectiveness Type		VAM300GVJU	VAM470GVJU	VAM600GVJU	VAM1200GVJU
Heating ¹		100%	Sensible	%	60	62	68	68	
			Latent	%	46	48	42	42	
		75%	Sensible	%	63	66	72	72	
			Latent	%	53	55	47	47	
Cooling ¹		100%	Sensible	%	60.6	63	68	68	
			Latent	%	29	30	34	34	
		75%	Sensible	%	63.9	67	72	72	
			Latent	%	40	38	37	37	
Power Supply			V/ph/Hz		208-230/1/60				
Airflow Rate (H/M/L)		Heat Exchange Mode		CFM	305/300/170	470/470/390	600/600/500	1,200/1,200/930	
		Bypass Mode			305/300/170	470/470/390	600/600/500	1,200/1,200/930	
Weight			lbs.		71	121	148	346	
Height			in.		12-1/16	15-1/4	15-1/4	30-7/8	
Width			in.		34-5/8	43-11/16		63-3/4	
Depth			in.		31-1/2	32-3/4	47-13/16		
Sound Pressure @ 208V (H/M/L)			dB(A)		34.5/31.5/21.5	40/37/33	40.1/37/33.1	43/39/35	
External Static Pressure (H/M/L)			in. Wg		0.64/0.26/0.16	0.73/0.39/0.33	0.76/0.34/0.32	0.56/0.24/0.16	
External Finish					Galvanized Steel Plate				
Insulation Material					Self-Extinguishing Urethane Foam				
Connection Duct Diameter			in.		8	10		14	
Ambient Conditions*			A		5°F ~ 122°F DB 80% RH or less				

*AHRI 1060 Performance characteristics certified to AHRI Standard 1060 are only applicable to the specified cooling and heating operation conditions, as specified within the performance table in this document.

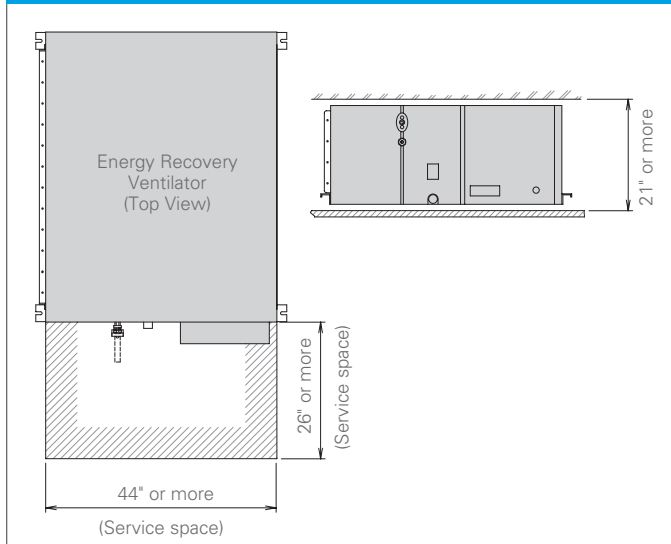
¹Note: Certified in accordance with the AHRI ERV Certification Program, which is based on AHRI Standard 1060. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

Performance characteristics certified to AHRI Standard 1060 based on the following conditions::

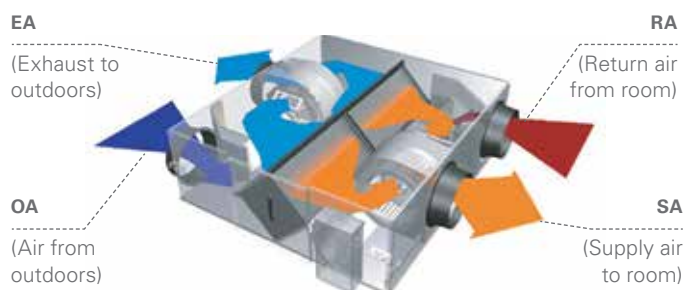
» The cooling effectiveness shall be based on 95°F DB / 78°F WB for the entering supply air and 75°F DB / 63°F WB for the entering exhaust air, at a leaving supply airflow of both 100% and 75% of the rated airflow.

» The heating effectiveness shall be based on 35°F DB / 33°F WB for the entering supply air and 70°F DB / 58°F WB for the entering exhaust air, at a leaving supply airflow of both 100% and 75% of the rated airflow.

VAM-GVJU INSTALLATION EXAMPLE



Heat exchanger with high temperature and enthalpy efficiency



ACCESSORIES

Model Name	VAM300GVJU	VAM470GVJU	VAM600GVJU	VAM1200GVJU
Navigation Remote Controller*	BRC1NRV71/72			
Madoka Remote Controller	BRC1H71W			
PCB Adaptor for Humidifier	KRP50-2			



Hot Water Solutions



Daikin *MEGA-Q*

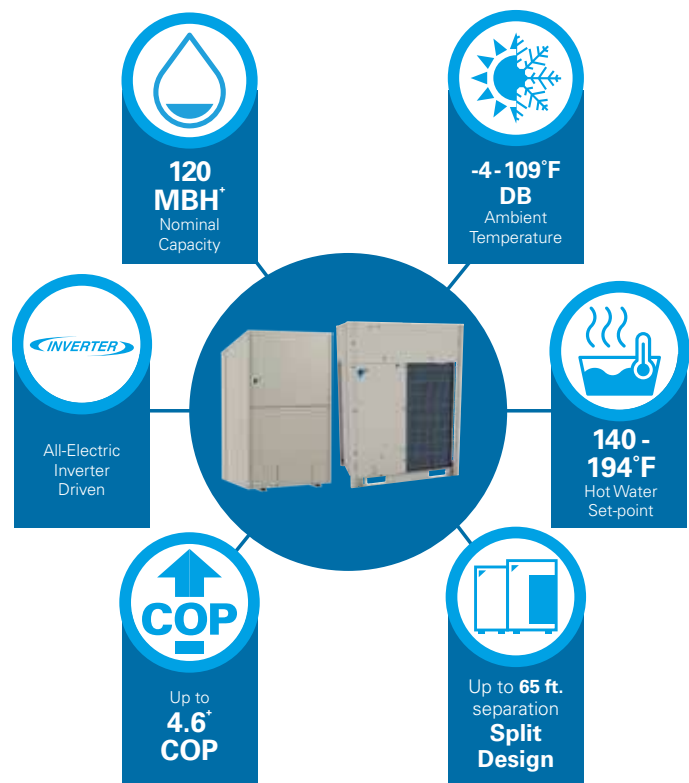
All-Electric Hot water Generation System

Introducing Daikin *MEGA-Q*

Hot water is used in everyday activities. In North America, gas, oil, electric, and steam boilers have been leveraged traditionally to generate hot water. Air-to-water heat pump technology offers an all-electric alternative for generating hot water, reducing dependence on fossil fuel systems. Daikin's inverter-driven Daikin *MEGA-Q* system provides an all-electric hot water solution, making it an ideal choice for commercial buildings with large volume non-potable hot water demand.

Features and Benefits

- » All-electric heat pump technology for non-potable hot water generation in commercial applications.
- » Dependable hot water generation at ambient temperatures from -4°F DB to 109°F DB (from -20°C DB to 43°C DB).
- » Customizable high-leaving water temperatures from 140°F to 194°F (from 60°C to 90°C) with inlet water temperatures from 41°F to 176°F (from 5°C to 80°C).
- » Year-round high efficiencies with up to 4.6+ COP thanks to Daikin's inverter heat pump and cascade technologies.
- » Scalable and modular system design allows for up to 6 Daikin *MEGA-Q* systems to connect to the same hydronic loop, achieving total nominal capacity of 720 MBH.
- » Flexible application design with a vertical separation of up to 65 ft. between the heat source unit and the cascade unit.
- » Modular and compact system design enables installation indoors or outdoors.
- » Built-in variable-speed water pump increases waterside system efficiencies compared to single-speed pumps and can handle water flow rates of up to 3.8 gallons per minute (GPM).



*Based on heating conditions at the outdoor temperature of 77°F DB/69.8°F WB, the outlet water temperature of 149°F, and the inlet water temperature of 75.2°F.



* Complete warranty details available from your local dealer/contractor or at www.daikincomfort.com. Daikin *MEGA-Q* heat source unit (RXHWQ120MQTJA) and cascade unit (BWLP120TJU) come with a 5-Year Parts Limited Warranty where installation and commissioning requirements are satisfied. Other limitations and exclusions apply.

Daikin *MEGA-Q*

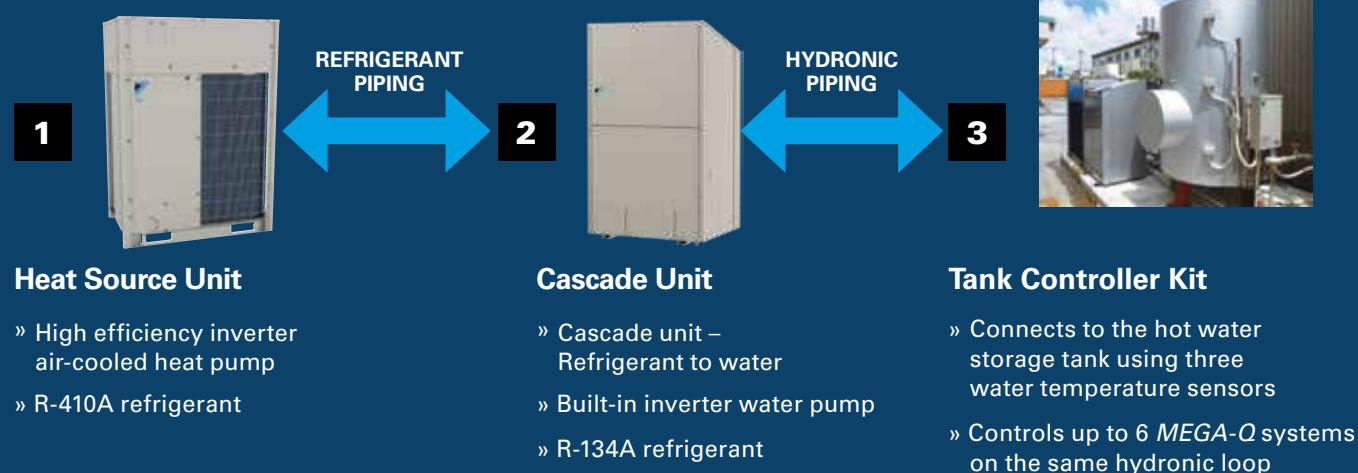
Efficiency And Flexibility

Daikin *MEGA-Q* is an all-electric hot water generation system that is built upon 3 main components—heat source unit, cascade unit, and tank controller kit—providing some attributes of a central hot water generation system but with the flexibility of indoor or outdoor installation.

MEGA-Q offers all-electric hot water generation for various non-potable water applications, such as multi-family buildings, offices, hotels, schools, and other large commercial applications.

This innovative system can supply non-potable hot water to commercial buildings even in outdoor ambient temperatures as low as -4°F. The dual refrigerant circuit split system design features Daikin's Inverter-driven heat pump technology. Coupled with an inverter-driven cascade unit, the *MEGA-Q* supports reliable performance with customizable high-leaving hot water temperatures ranging from 140°F to 194°F with inlet water temperatures from 41°F to 176°F.

The Daikin *MEGA-Q*:



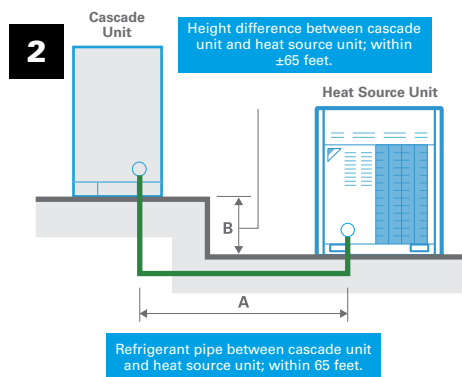
The heat source component of *MEGA-Q* should be used for heating water for non-potable use only, not for other applications such as but not limited to space heating or cooling.

Note: Hot water storage tank is field supplied.

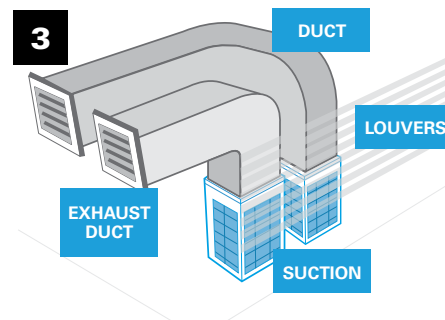
Flexible Installation



- » The heat source unit and cascade unit are installed outside side by side.



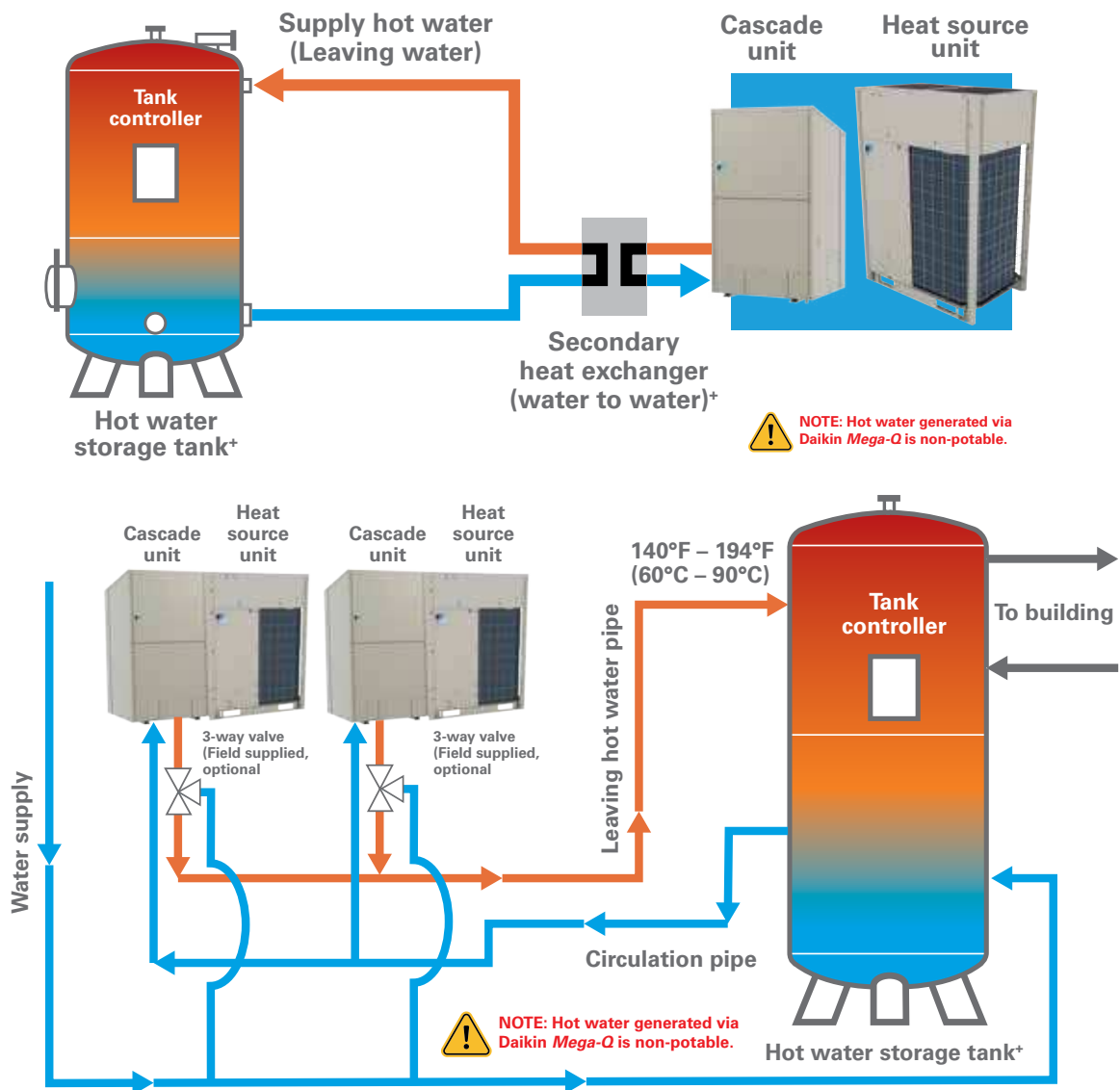
- » The cascade unit can be installed up to 65 feet away from the heat source unit, with the option to place it indoors.



- » Both the heat source unit and cascade unit can be installed indoors. Note that the heat source unit must be ducted to the outside.

Daikin MEGA-Q

How it Works



+ Not required for operation of the Daikin MEGA-Q system. Field supplied if used in applications.

Dual refrigerant circuit achieves high-temperature hot water output and high-efficiency operations.

Daikin MEGA-Q takes advantage of the excellent low ambient temperature characteristics of R-410A combined with high temperature boiling characteristics of R-134A to generate high-temperature water up to 194°F.



RXHWQ120MQTJA + BWLP120TJU						
Sound (A scale)			Db	55 (Winter 59)		
Unit Model Name				Heat Source Unit	Cascade Unit	
Model Name				RXHWQ120MQTJ*	BWLP120TJU	
Power Supply			3 Phase 208/230V 60Hz			
Casing Color			Ivory White (5Y7.5/1)			
External Dimensions (H x W x D)			In. (mm)	66-11/16 (1694) x 48-7/8 (1242) x 30-3/16 (767)	60-1/16 (1525) x 35-3/16 (893) x 30 (762)	
Heat Exchanger	Evaporator		Cross Fin Coil		Plate Heat Exchanger	
	Condenser				Winding Spiral Tube Heat Exchanger	
Compressor	Model		Hermetically Sealed Scroll Type			
	Starting System		Soft Start (Inverter)			
	Motor Output	kW	(4.4 + 4.4)		(4.5 + 4.5)	
Fan	Model		Propeller Fan		N/A	
	Motor Output x Number		0.75 x 2		N/A	
	Air Flow	cfm (m3/ min)	8228 (233)		N/A	
	Drive System		Direct Drive		N/A	
Water Pump			N/A		Non-Self-Priming Canned Pump	
Connecting Pipe	Heat Source Unit	Liquid Side Pipe	in. (mm)	1/2 (12.7) C1220T (Brazed Connection)		N/A
		Gas Side Pipe	in. (mm)	1-1/8 (28.6) (Brazed Connection) *1		N/A
	Heat Source Unit Cascade Unit	Liquid Side Pipe	in. (mm)	1/2 (12.7) C1220T (Brazed Connection)		
		Gas Side Pipe	in. (mm)	7/8 (22.2) C1220T (Brazed Connection) *1		
	Cascade Unit	Liquid Side Pipe	in. (mm)	N/A		1/2 (12.7)
		Gas Side Pipe	in. (mm)	N/A		7/8 (22.2)
		Circulation (water) Pipe	in. (mm)	N/A		NPT3/4 male thread (after the installation of piping adaptor)
		Outlet (hot water) Pipe	in. (mm)	N/A		NPT3/4 male thread (after the installation of piping adaptor)
	Weight		lb. (kg)	695 (315)		639 (290)
	Safety Device			High pressure switch, Fan driver overload protector, Overcurrent relay, inverter overload protector		High pressure switch, inverter overload protector
	Defrost Method			Deicer		N/A
	Refrigerant	Refrigerant Name		R-410A		High side R-134A Low Side R-410A
		System Charge	lbs. (kg)	18.1 (8.2)		13.2 (6.0)
		Control		Electronic Expansion Valve		
	Design Pressure	High Pressure	PSIG (Mpa)	478 (3.30)		High Side 550 (3.80) Low Side 580 (4.00)
		Low Pressure	PSIG (Mpa)	320 (2.21)		High Side 248 (1.71)

UNIT MODEL NAME				TANK CONTROLLER KIT	
Model				BRP26B2VJU	
Controller Box	Power Supply			1-Phase 208/230V 60 Hz	
	Exterior			Ivory White (5Y7.5/1)	
	Dimensions	H x W x D	In. (mm)	17-11/16(450) x 11-13/16(300) x 3-15/16(100)	
	Weight		lbs. (kg)	23 (10.5)	
External Output				Operation ON	
				Malfunction	
External Input				Operation ON	
				Demand Control	
				Hot Water Set Temperature Switch	
Attached Sensor				Thermistor for hot water (Screw Type) x 3	
Accessory				Remote Controller	



VRV Products Controls





REMOTE CONTROLLER COMPATIBILITY WITH V/VRV INDOOR UNITS

	FXFQ_TA	FXZQ	FXUQ	FXDQ	FXSQ	FXMQ	FXHQ	FXAQ	FXL(N)Q	FXTQ	FXEQ
Navigation remote controller (Wired remote controller)	●	●	●	●	●	●	●	●	●	●	●
Madoka Remote Controller	●	●	●	●	●	●	●	●	●	●	●
Wireless remote controller (Installed type signal receiver unit)		●					●	●			
Wireless remote controller (Separate type signal receiver unit)				●	●	●			●		
DKN Cloud Wi-Fi Adaptor	●	●	●	●	●	●	●	●	●	●	●

REMOTE CONTROLLER COMPATIBILITY WITH V/VRV INDOOR UNITS

	FXFA	FXTA	FXMA	FXSA
Navigation remote controller (Wired remote controller) – (R-32)	●	●	●	●

INDIVIDUAL CONTROL CAPABILITIES

	 DKN Cloud Wi-Fi Adaptor (AZAI6WSCDKA)	 Navigation Remote Controller (BRC1NRV71/72) (R-410A)	 Navigation Remote Controller (BRC1NRV71) (R-32)	 Daikin ONE+ smart thermostat (DTST-CWBSA-NI-B)	 Daikin ONE Touch DTST-TOU-A	 Wireless Remote Controller (model depends on unit)	 Madoka Remote Controller (BRC1H71W)
Communications	2 Wire / DIII-Net	2 Wire / DIII-Net	2 Wire / DIII-Net	2 Wire / DIII-Net	2 Wire / DIII-Net	Infrared	2 Wire/ DIII-Net
°F/°C Selector	●	●	●	●	●	°F only	●
Display		Backlight LCD Display	Backlight LCD Display	Multi-touch capacitive color display	Multi-touch capacitive color display		Backlight LCD Display
Room temperature display	●	●	●	●	●		●
Schedule and setback capabilities (with Time and Date display)	●	●	●	●	●		
User restriction options		●	●				●
On/Off, Operation mode, Set-point, Fan speed	●	●	●	●	●	●	●
Louver position adjustment	●	●	●	●	●	●	●
Reports system malfunctions	●	●	●	●	●	●	●
Space temperature sensor	●	●	●	●	●		●
Simultaneous operation with Daikin multi-zone controllers	●	●	●	Monitor only	Monitor only	●	●
Simultaneous operation with BACnet® and LonWorks®	●	●	●	Monitor only	Monitor only	●	●
Group control capacity	Up to 16 indoor units*	Up to 16 indoor units	Up to 16 indoor units	Up to 16 indoor units	Up to 16 indoor units	Up to 16 indoor units	Up to 16 indoor units

* with future software update

BRC1NRV71/72 (R-410A), (R-32)

Navigation Remote Controller

The *Navigation* Remote Controller has been enhanced to meet the configuration requirements of Daikin's *VRV* indoor units. The BRC1NRV71/72 (R-410A), (R-32) provides all the great features and options the market requires. The configurable display and operation buttons will provide as much or as little control as the project requires.

Features and Benefits

» Basic Operation

- On/Off, operation mode, set-point
- Up to 5 fan speeds selectable (enhanced)
- Airflow direction (enhanced)
- Individual louver airflow direction
- Dual airflow
- Auto-draft prevention (prevents air blowing directly on occupants)



» Function

- Configurable display — Detailed, Standard, and Simple
- Dual or single cool and heat set-points for occupied periods
- Independent setback set-points for unoccupied periods
- Automatic Setback by occupancy sensor
- Automatic Off by occupancy sensor
- Unwanted buttons/operation modes can be disabled
- Set-point range limitation
- Individual button prohibits/lockout
- Auto-changeover for Heat Recovery and Heat Pump systems with dual or single set-points
- Control Self-cleaning filter panel functions
- Automatic adjustment for Daylight Savings Time (DST) (enhanced)
- Built in 7, 5+2, 5+1+1, and 1 (everyday) schedule with up to 5 actions per day with independent cooling, heating and setback set-points

BACnet® is a trademark of ASHRAE.

BRC1H71W - Madoka Remote Controller

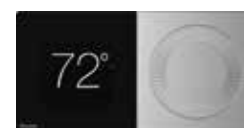
- » Easy Commissioning
 - Settings and configuration can be copied to and from the app or controller and applied to other controllers using BLE technology
 - Selective display mode: Text, Icon, and Scale display
 - Field settings are categorized based on the application
 - Language: English, French, Spanish
 - Supports both Fahrenheit and Celsius
- » Basic Control functions
 - On/Off, operation mode, set-point
 - Up to 5 fan speeds selectable
 - Louver direction
 - Auto-draft prevention
- » Advanced functions
 - Setback logic
 - Set-point range limitation
 - Function Prohibition



Madoka
Remote Controller

DTST-CWBSA-NI-B - Daikin ONE+ smart thermostat for VRV, SkyAir, Single Zone and Multi-Zone System

- » A cloud-connected smart thermostat to control indoor temperature, humidity, and air quality.
- » Features
 - Capacitive multi-touch display with easy rotational dial and light pipe indication
 - Wi-Fi enabled smart thermostat with smartphone control, voice control and OTA update capability
 - Intelligent energy management with schedule and configurable energy and comfort functions
 - Auxiliary heater control (primary/secondary/emergency heat)



Daikin ONE+
smart thermostat

DTST-TOU-A - Daikin ONE Touch smart thermostat

- » Simple, elegant industrial design
- » Capacitive touchscreen user interface
- » Wi-Fi-enabled smart thermostat with iOS and Android app control
- » Voice control by Amazon Alexa and Google Assistant
- » Technical Specifications
 - Capacitive touch screen
 - Backlit, 3.5 inch MVA TFT LCD display
 - Wi-Fi
 - Bi-directional communications protocol for controlling HVAC system



Daikin ONE Touch
thermostat

AZAI6WSCDKA - DKN Cloud Wi-Fi Adaptor

- » Remote control of VRV indoor units from iOS/Android smartphone app
- » Voice control capability through *Google Assistant* and *Amazon Alexa*
- » Provides Cloud API integration option for hotel and home automation integration developers
- » Features
 - On/Off
 - Mode
 - Error alert
 - Leveled user authority
 - Set-point
 - Fan speed
 - Room temperature
 - Louver position



DKN Cloud
Wi-Fi Adaptor

BRC4C82/BRC7E818/BRC7E83/BRC7E830 - Wireless Remote Controller

- » The same operation modes and settings as with wired remote controllers are possible.
- » Features
 - On/Off
 - Operation mode
 - Single set-point
 - Fan speed adjustment
 - Louver position adjustment
 - Reports system malfunctions
- » A compact signal receiver unit (separate type) to be mounted into a wall or ceiling is included.
 - The Ceiling Suspended and Wall-Mount indoor units use signal receivers that are mounted in the indoor unit.

* Wireless remote controller and signal receiver unit are sold as a set.



Wireless remote
controller*



Signal receiver unit
(separate type)*



The Daikin *HERO* Pro Edge is a cloud-based VAV central controller that offers real-time remote control and monitoring, advanced analytics, and dashboard. The Daikin *HERO* Pro Edge can monitor and control multi-split, Daikin Rooftop Unit (RTU), Dedicated Outside Air Unit (DOAS) and non-Daikin systems. Daikin *HERO* Cloud Services is based upon a recurring license fee to access site information. The Daikin *HERO* Pro Edge includes first-year access to Daikin *HERO* Cloud Services for monitoring and control, licenses can be renewed in 1-year, 3-year or 5-year increments.

Easy Operation

- » Remote monitoring for Daikin VAV outdoor and indoor unit operation data across multiple sites
- » Accessible any time and from anywhere through the Daikin *HERO* Cloud Services web page or app
- » Intuitive, customizable dashboard provides quick status of connected units and sites
- » Animated piping diagram based on system mode of operation

Advanced Control Logic

- » Independent cool and heat setpoints or single setpoint in the occupied period
- » Independent setback setpoints in the unoccupied period
- » Weekly schedule with timed override
- » Auto changeover with configurable methods

Operational Data

- » Operation data are stored in the Daikin *HERO* Cloud Service in 1 minute intervals and stored for 5 years with the Daikin *HERO* Pro Edge activation.
 - Indoor unit and outdoor unit operation data
 - BACnet® Client objects
 - WAGO® I/O system data
- » Operation data can be viewed in the Daikin *HERO* Cloud Services or downloaded as CSV files

Mini BMS Solution with Software and Hardware Options

- » Auto changeover, interlock, schedule and emergency stop for facility management.
- » DI, DO, AI, AO points integrated via the WAGO® I/O System
- » BACnet points (AI, AO, AV, BI, BO, BV, MSI, MSO, MSV) integrated with the Daikin *HERO* Pro Edge BACnet Client Option

Facility Management and Billing

- » Remote web or app access
- » Continuous commissioning by remotely adjusting the outdoor unit field settings
- » Tenant billing with the Daikin *HERO* Pro Edge PPD option
- » Demand control capabilities to set setpoint shift, control thermo-on/off or outdoor unit capacity based upon schedule setting

Prediction logic and Notifications

- » Utilizes predictive algorithms to alert users of potential failures
- » Prediction alerts can be accessed on the Daikin *HERO* Cloud Services dashboard and are also distributed through email

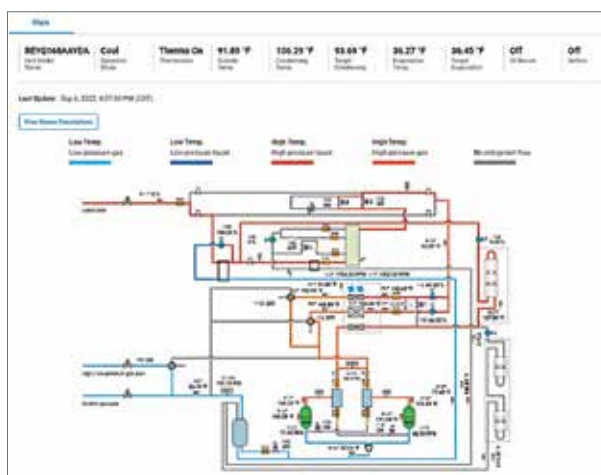
BACnet® is a trademark of ASHRAE.

Advanced Multi-Zone Controllers – Daikin HERO Pro Edge



BACnet® is a trademark of ASHRAE.

- » The Daikin *HERO* Cloud Service enables remote management for the Daikin VRV system with other general equipment integrated into the Daikin *HERO* Pro Edge so they can be accessed from the daikinhero.com or the Daikin *HERO* Cloud Services App.
- » The Daikin *HERO* Cloud Service is a powerful remote service tool where the Daikin VRV operation data is stored in the cloud for the last 5 years can be downloaded through the web function. Trend graphs of the system operation can be created allowing the service technicians to analyze and diagnose the system without visiting the job site. This feature will provide the service technician with a view into the Daikin VRV system operation and performance prior to or after an abnormal issue has occurred.
- » Automatic Alert/Error e-mail enables prompt response by service personnel based on timely and precise knowledge of what happened in the system at the remote site.
- » Access to data prior to and after alarm generation as the error marker with time stamp indicates when the error occurred. Also, the trend charts has the ability to trend up to 40 data points at a time for easy diagnostics.



Advanced Multi-Zone Controllers – Daikin HERO Pro Edge (cont.)

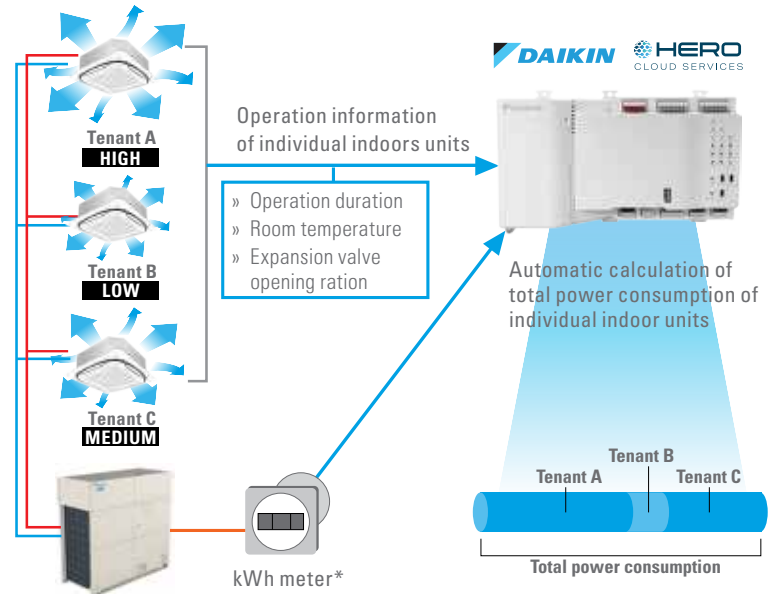


Tenant Billing (PPD Option)

The PPD (Power Proportional Distribution) option records all the operation duration, room temperature, electronic expansion valve opening ratio data, etc. Based on the recorded data, the energy consumption of the Daikin VRV system is proportionally calculated for each indoor unit. The calculated data can be used for tenant billing.

Features

- » PPD data can be downloaded using the Daikin HERO Cloud Service
- » Automated Tenant reporting with smart notification to the facility manager
- » Configure output of the Tenant Reports
 - Allows for company logo and info to be added.
 - Selectable start and end period
 - Provide cost per kWh, admin fees and determine if heating usages should be excluded from billing.
 - Separated cooling and heating energy calculation.
 - Select the type of file output.
- » Send the tenant report by email.



* Pulse power meter that provides an output of 1 pulse per 1 kw and has a width of 40-400 milliseconds.

Set Up Monthly Site and Tenant Reports

Site logo: 

Choose the monthly period for your Site and Tenant Reports:

Parameters to include:

☒ kWh ☐ Cost ☐ % Cool

☐ % kWh Consumption ☐ % Make

It is possible to include up to six time slots with corresponding hourly energy consumption costs.

Export format:

Site Report: ☒ PDF ☐ CSV

Tenant Report: ☒ PDF ☐ CSV

Send report to:

Report Receiver:

Report Recipients:



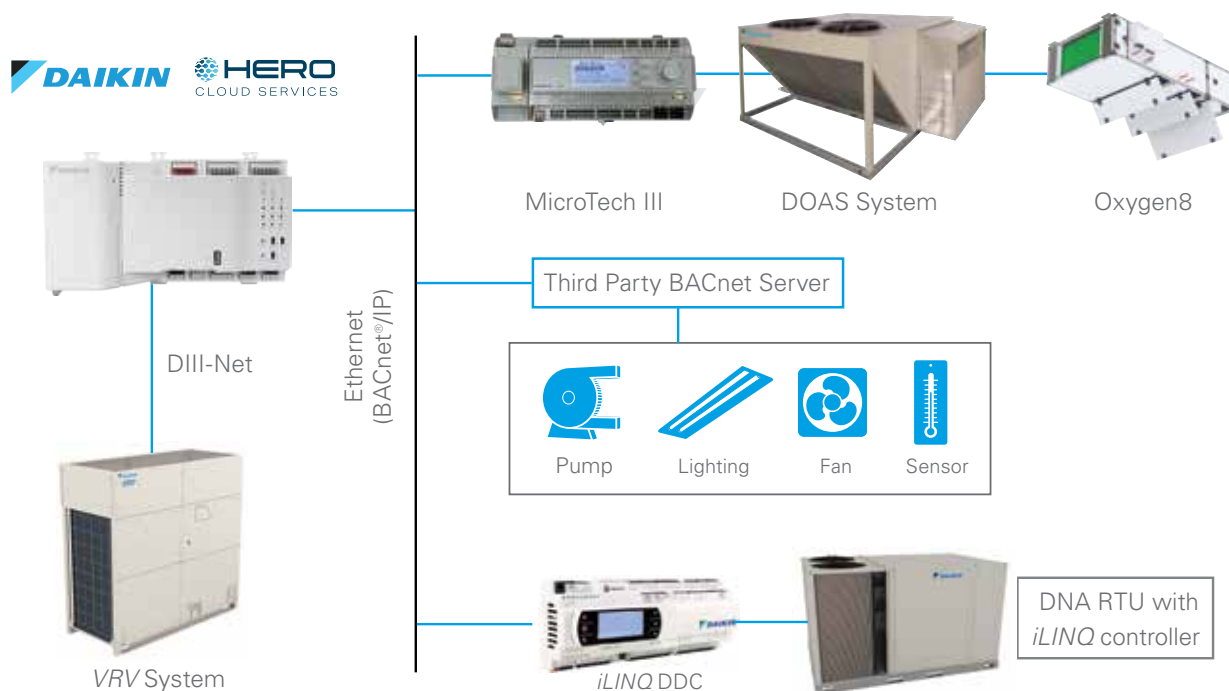
BACnet® Client Option

The Daikin *HERO* Pro Edge offers an advanced and cost-effective solution for Building Management Systems (BMS) applications. The BACnet Client Option provides more flexibility to enhance the Daikin *HERO* Pro Edge's function as a mini BMS. With this option, the Daikin *HERO* Pro Edge is able to manage third party DOAS and other third party equipment through the BACnet/IP protocol. By registering equipment connected to a BACnet server as management points in the Daikin *HERO* Pro Edge, you can now monitor and control the equipment from the Daikin *HERO* Cloud Service.

Features and Benefits:

- » Cost-effective BMS solution
- » Direct connection on Daikin *HERO* Pro Edge using the BACnet/IP Protocol
- » Integrated control on Daikin VRV system and Daikin Applied System
- » Monitors and controls third party equipment
- » Daikin Light Commercial rooftop units (RTU) with *iLINQ* controller. Monitor and control Daikin Light Commercial rooftop units (RTU) with *iLINQ* controller.
- » Monitors and controls third party equipment

BACnet Client DGE009A71 can manage up to 10 BACnet devices; while the BACnet Client DGE009A72 can manage up to 50 BACnet devices.



Object Types

- » Analog Input, Analog Output, Analog Value
- » Binary Input, Binary Output, Binary Value
- » Multi-State Input, Multi-State Output, Multi-State Value

Applications

- » Sensors, Pumps, Lights, Fans
- » AHU, Alarms, DOAS, Elevator

BACnet® is a trademark of ASHRAE.

Advanced Multi-Zone Controllers – Intelligent Touch Manager (iTM)



DCM601B71 - *intelligent Touch Manager (iTM)*

The *intelligent Touch Manager (iTM)* is an advanced multi-zone controller that provides the most cost-effective way to control and monitor the Daikin VRV system.

Centralized and Advanced VRV Control

Up to 64 Indoor Unit Groups (128 actual Indoor Units) can be monitored and controlled with individual Cool and Heat Set-points, Set-point Range Limitation, Setback Set-points, and Auto changeover to meet your expectations and project requirements. Up to 512 Indoor Unit Groups (1024 actual Indoor Units) can be monitored and controlled with the addition of up to 7 optional *iTM* Plus Adaptors (DCM601A72).

Built-in Service Tool with Remote Access

- » Operation data are stored in the *iTM* for the last 5 days:
 - Indoor unit and outdoor unit operation data
 - BACnet® Client objects
 - WAGO® I/O system data
- » Operation data can be exported through a USB drive or through the *iTM* web browser remotely
- » BMS can monitor the BACnet objects of indoor unit and outdoor unit operation data with the BACnet Server Gateway Option activated

Ancillary Equipment Control

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

Web Access and Alert E-mail

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

Tenant Billing

Determines energy consumption of shared condensing units based upon tenant (Indoor Unit) demand using the PPD Software option (DCM002A71).

Features

- » 10.4" LCD touch screen, USB drive
- » Advanced, scalable and cost-effective management system
 - Up to 650 points (max 512 indoor unit groups (1024 indoor units)
 - Floor plan layout view

Functions

- » Dual set-points or Single set-point in occupied or Setback in unoccupied
- » Set-point Range Limitation
- » Scheduling (7 day, Weekday-Weekend, Weekday-Saturday-Sunday, Everyday)

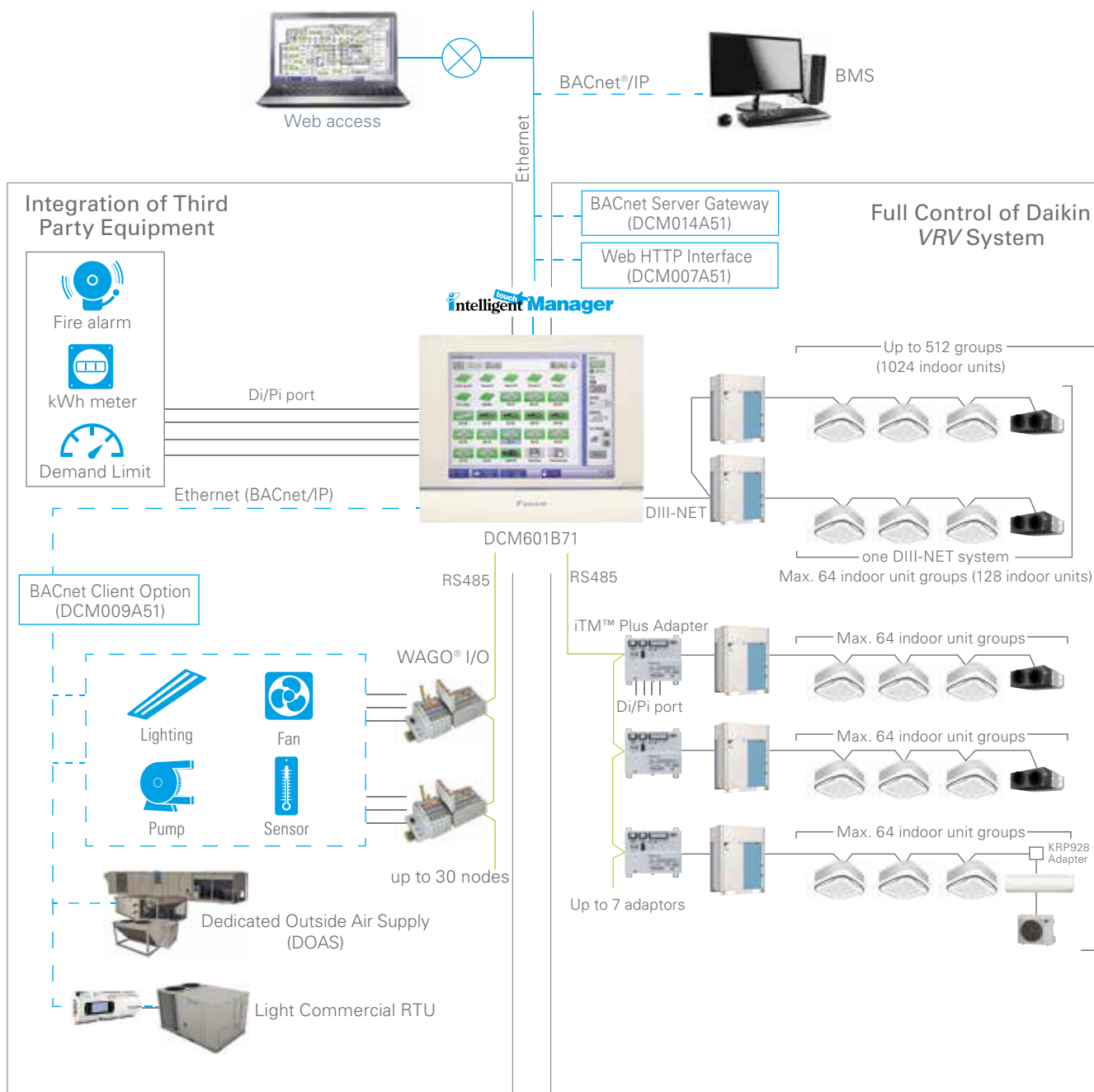


intelligent Manager

- » Scheduling (7 day, Weekday-Weekend, Weekday-Saturday-Sunday, Everyday)
- » Optimum Start and Timed Override
- » Advanced Auto changeover
 - Applicable to both VRV Heat Pump and Heat Recovery systems
 - Fixed, Individual, Average and Vote methods
- » Demand Response
 - Interlock the digital input signals to provide automatic demand control functions
 - Multiple demand control functions: Indoor unit set-point shift control, Indoor unit forced thermo-off, Indoor unit on/off control and outdoor unit's capacity demand limit control
- » WAGO I/O
 - Monitor and control 3rd party equipment with DI, DO, AI and AO signals
 - Up to 512 management points
 - Interlock function with indoor units and ancillary equipment
- » Power Proportional Distribution Option (DCM002A71)
 - Calculates apportionment of outdoor unit's total power consumption to individual units on the system
- » *iTM* BACnet Client Option (DCM009A51)
 - Enabling the BACnet Client option allows the *iTM* to use the BACnet/IP protocol
 - Allows for full monitoring and control of 3rd party BACnet capable equipment
 - Up to 512 BACnet management points
- » *iTM* BACnet Server Gateway Option (DCM014A51)
 - Enable BMS to control indoor units and/or monitor outdoor unit operation via BACnet/IP (up to a total of 128 BACnet device IDs and 4000 BACnet objects)
 - Virtual router function embedded that enables individual and configurable BACnet device ID for each indoor unit group address and each outdoor unit.
- » Web (HTTP) Interface Option (DCM007A51)
 - The *iTM* Web IF (HTTP) software provides a building automation system or a home automation system the ability to monitor and control the VRV indoor units over the HTTP protocol

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iTM System Overview



BACnet® is a trademark of ASHRAE.

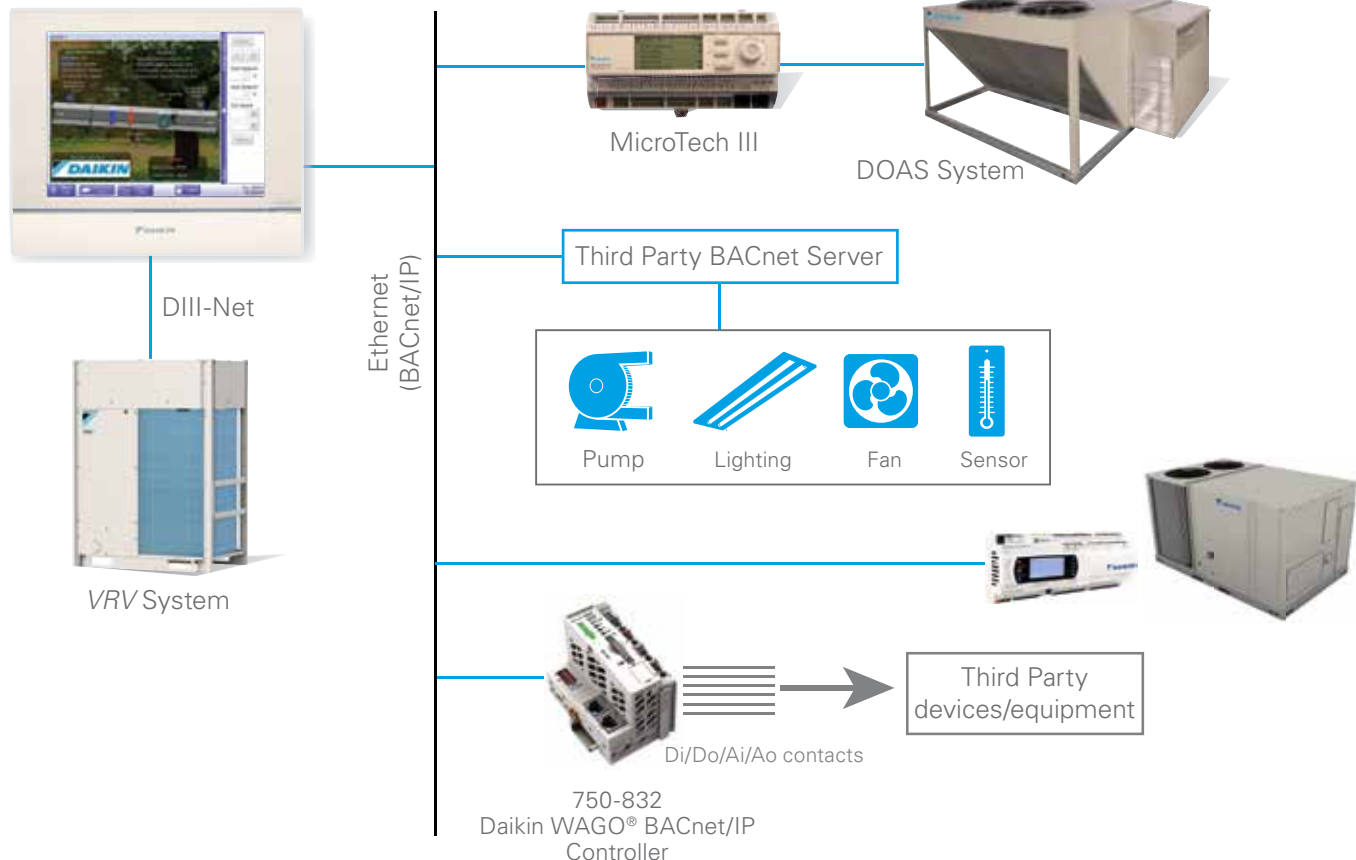
External Equipment Control

DCM009A51 - *iTM* BACnet® Client Option

The *intelligent Touch Manager (iTM)* offers an advanced and cost-effective solution for Building Management Systems (BMS) applications. The *iTM* BACnet Client Option (DCM009A51) provides more flexibility to enhance the *iTM*'s function as a mini BMS. With this option, the *iTM* is able to manage DOAS systems and other third party equipment through the BACnet/IP protocol. By registering equipment connected to a BACnet server as management points in the *iTM*, you can now monitor and control the equipment via the *iTM*.



with BACnet® Client Option



Features

- » Cost-effective BMS solution
- » Direct connection on *iTM* using the BACnet/IP Protocol
- » Integrated control on Daikin VRV system and Daikin Applied System
- » Monitors and controls third party equipment
- » Easy commissioning with pre-engineering Preset Tool
- » Easy monitoring with preconfigured GUI

Object Types

- » Analog Input, Analog Output, Analog Value
- » Binary Input, Binary Output, Binary Value
- » Multi-State Input, Multi-State Output, Multi-State Value

Applications

- » Simple I/O: Sensor, Pump, Light, Fan
- » Multi-State Objects: AHU, Alarm, Elevator
- » The *iTM* can integrate with the WAGO® BACnet/IP Controller (750-832) using the BACnet Client Server Option

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DKN Plus Interface

The *DKN Plus* Interface (AZAI6WSPDKC) enables the energy-efficient control of Daikin air conditioners by a third-party thermostat or an automation system. With this interface, third-party devices or systems can control the VRV, *SkyAir*, and Daikin Single/Multi-Zone indoor units through Cloud API, Modbus®, BACnet® MS/TP, or thermostat relay contacts. This interface can be commissioned with ease through the DKN Cloud North America (NA) app via Bluetooth® Low Energy (BLE).

Features

- » Versatile interface adaptor that can integrate with a third-party thermostat/BMS through multiple approaches:
 - Cloud API
 - Modbus
 - BACnet MS/TP
 - Backup thermostat G/Y/W (Fan/Cool/Heat) relay control through thermostat wire:
 - Automatically disables thermostat relay logic when cloud API connection detected
 - Advanced control logic to maximize indoor unit efficiency
- » Easy commissioning with the BLE configuration app (DKN Cloud NA app)

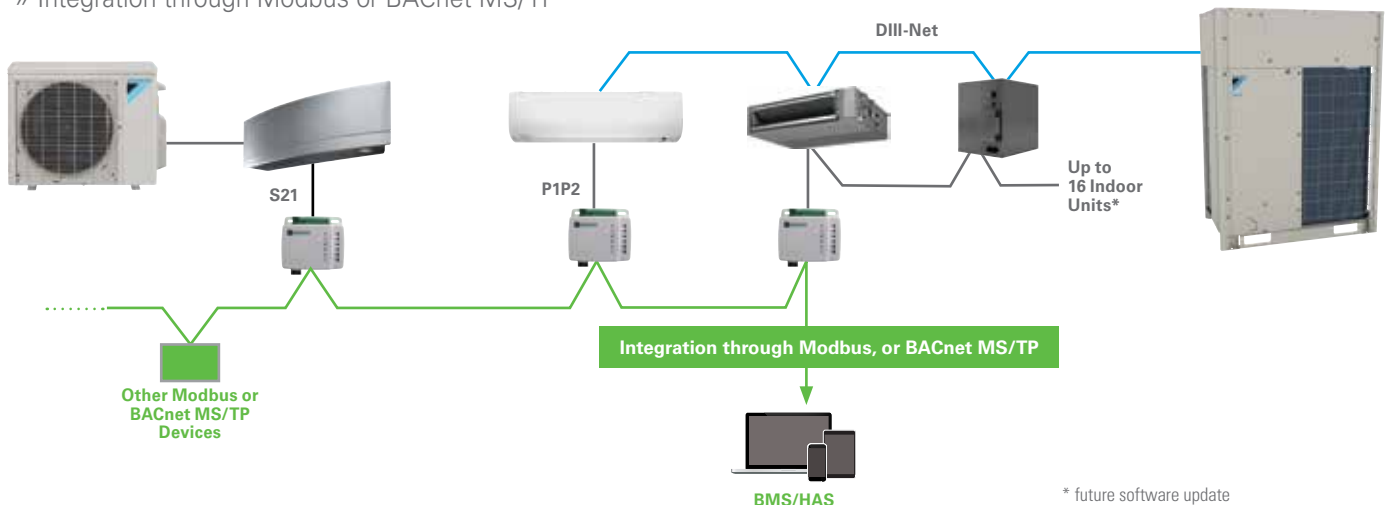


- » Indoor unit control and monitoring points*
 - On/Off
 - Set-point
 - Room temperature
 - Mode (Auto, Cool, Heat, Fan, Dry)
 - Fan speed
 - Louver position
 - Error code
 - Interlock control with indoor unit On/Off
- » Auxiliary Heater Control
 - Auxiliary heater controlled as a secondary heat source

*Availability depends on indoor unit model

Integration with Building Management System (BMS) or Home Automation System (HAS)

- » Integration through Modbus or BACnet MS/TP



* future software update

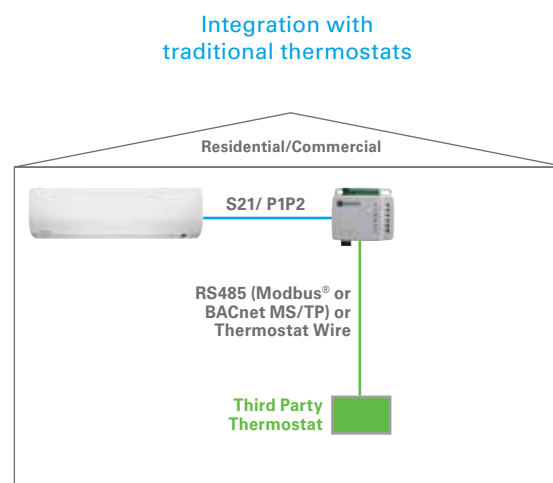
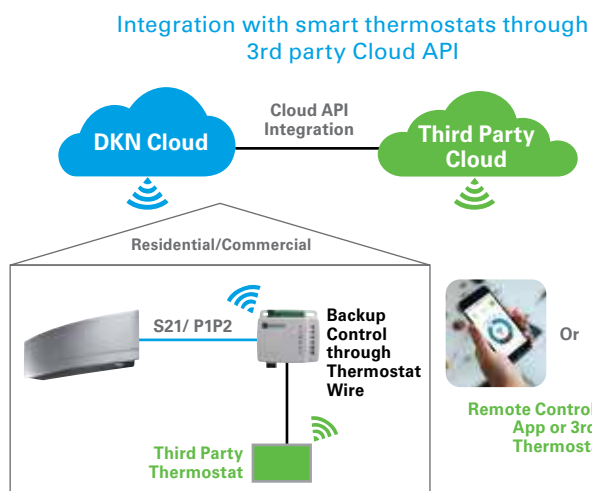
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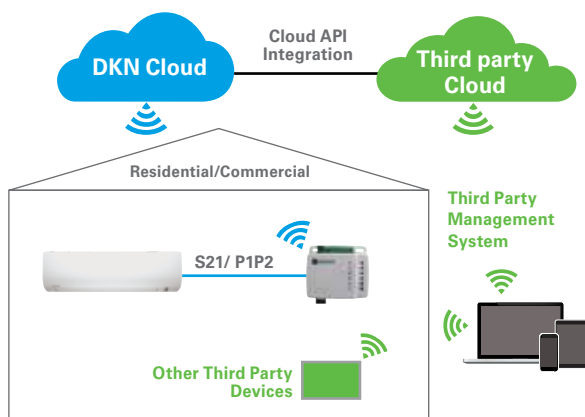
System Diagram

Integration with 3rd party thermostat

» The adaptor provides 4 different approaches for a 3rd party thermostat to control the Daikin indoor units



» Integration through Cloud API



Modbus is a registered trademark of Schneider Electric USA, Inc.

BACnet® is a trademark of ASHRAE.

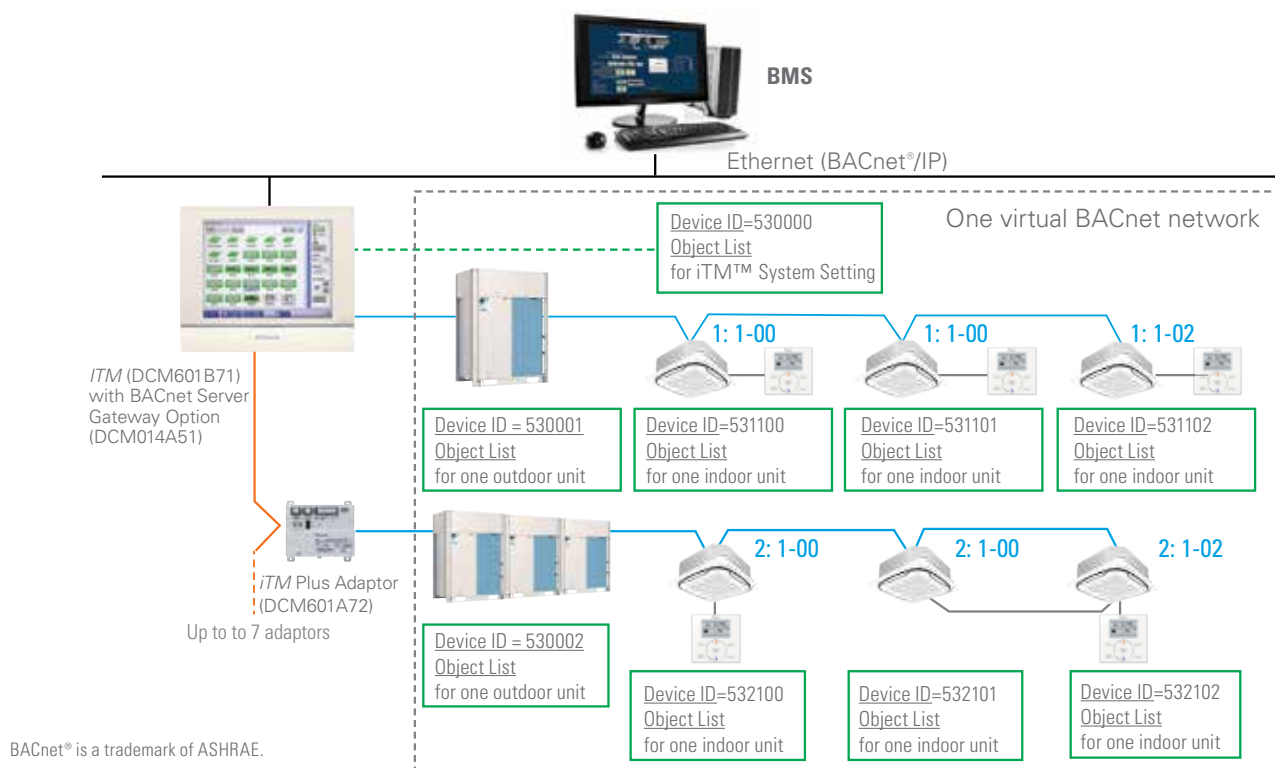
The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks are under license.

DCM014A51 - *iTM* BACnet® Server Gateway Option

The *intelligent Touch Manager (iTM)* is capable of serving as a BACnet interface for Building Management System (BMS) integration. With the *iTM* BACnet Server Gateway Option (DCM014A51), the *iTM* provides BMS integrators with the ability to monitor and/or control the VRV indoor and outdoor units, eliminating the need for an additional hardware interface. Moreover, with the latest software update to the *iTM* 2+ (v2.06), the *iTM* is able to serve as a service tool to access indoor and outdoor unit operation data. With the *iTM* BACnet Server Gateway Option, the operation data points for both the IDU (indoor unit) and ODU (outdoor unit) are also available to the BMS through BACnet.

Features

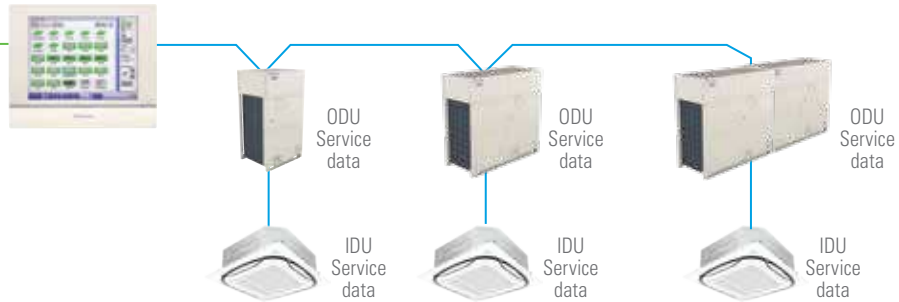
- » Additional service data points are now available*:
 - 6 new IDU service data points
 - 9 new common ODU service data points and 22 new service data points for each ODU module
- » Direct connection on *iTM* using the BACnet/IP Protocol
- » Supports Change of Value (COV) notifications to the BMS
- » Configurable as a BACnet foreign device if a BBMD exist on a different subnet within a BACnet network
- » **BACnet virtual router** function implemented:
 - **Individual BACnet device ID** assigned to each indoor unit group address and each outdoor unit
 - Indoor unit group names created in the *iTM* are visible on the BMS
- » Easy commissioning using CSV file
 - Available objects can be configured for each indoor unit
- » **Independent heating and cooling set-points** for occupied and unoccupied periods
- » Individual min/max **Set-point Range Limitation** for heat and cool modes
- » The *iTM*'s **auto changeover, set-point range limitation, setback, dual set-point** logic and **schedule** can be accessed by the BMS
- » Up to 128 Device IDs (including both indoor units and outdoor units) and up to 4000 BACnet objects can be monitored and controlled by BMS.
 - When the IDU/ODU operation data is enabled a total of 128 devices and 4000 BACnet points are available
- » Up to 7 *iTM* Plus Adaptors can be connected to an *iTM* for a total of 8 DIII-Net ports



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Powerful Service Tool with Indoor and Outdoor Unit Operation Data Points



» When a problem occurs, the BMS integrators and Service Technicians can start troubleshooting remotely immediately before going to the site.

» Indoor and outdoor operation data trending* by Third party BMS can benefit the VRV service process.

*BMS programming needed

Enhanced BMS Integration Solution for Indoor Unit Operation



Individual Device instance number for each indoor unit (Configurable)

Device ID (1:1-00) = 531100 Device ID (1:1-01) = 531101

Object instance number repeated for every indoor unit point

Occupancy Mode = MO 1 (All indoor units)
Unit On Off Status = BI 2 (All indoor units)

Advanced iTM BACnet® Server Gateway Points

 BMS	iTM System Settings	Enable/disable iTM schedule operation	Schedule	iTM Control Logic
		Enable/disable iTM auto changeover operation	Auto Changeover	
		Timed override minutes	Timer Extension Minutes	
		System forced off	Emergency Stop	
	Indoor Unit Operation and Monitoring	Occupancy mode (occ, unocc, standby)	On/Off	
		Occupied cooling and heating set-point	Occupied Dual Set-point	
		Unoccupied cooling and heating set-point	Setback Set-points	
		Maximum and minimum cooling set-point	Set-point Range Limitation	
		Maximum and minimum heating set-point	Min. Cool/Heat SP Differential	
		Minimum cooling and heating set-point differential	Set-point Tracking Mode	
		Cooling and heating set-point tracking mode	Remote Controller Prohibit	
		Remote control prohibit	Timer Extension	
		Timed override operation	And more basic functions...	
		Current unit operation (off, normal, override, setback)	Advanced Indoor Unit Operation	
		Forced indoor unit thermo-off		
		Indoor unit changeover option availability		
Indoor fan status				
and more basic operation and monitoring points...				

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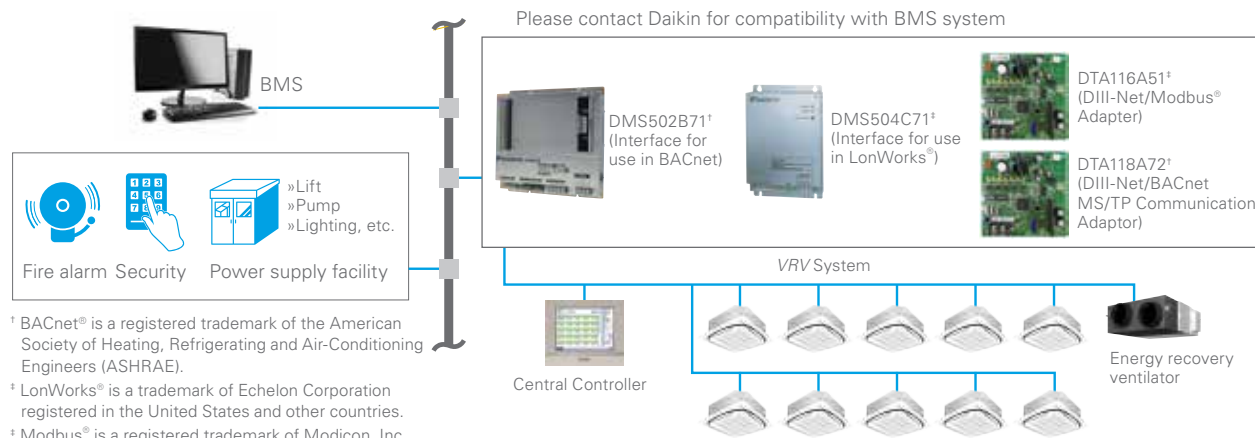
DCM007A51 - /ITM Web (HTTP) Interface Option

- » Building or Home Automation Interface based on HTTP protocol
- » Interface between the DIII-Net and the HTTP automation work station.
- » Monitor and Control up to 512 Indoor units groups

DMS502B71 - Interface for use in BACnet®

- » BACnet: Building Automation and Control Networks
 - Standard open protocol based on ANSI/ASHREA Standard 135
- » Monitor/Control indoor unit's points
- » Monitor/Control up to 256 indoor units groups (512 indoor units)
- » Manage up to 4 DIII-Net systems
 - Option Board (DAM411B51) required

BACnet, LonWorks and Modbus® Interface overview



DMS504C71 Interface for use in LonWorks®

- » BMS interface based on LonTalk
- » Interface between Daikin DIII-Net and BMS LonTalk work station
 - Manages up to 64 indoor unit groups (128 indoor units) with network variables for each group
 - Manages 1 DIII-Net system
- » Lon Interface communicates over twisted pair wire
- » External Interface File (XIF) documents device information available at www.daikincomfort.com

Daikin's BACnet, LonWorks and Modbus interface units provides control for all VRV systems.

DTA116A51 - DIII-Net Modbus Adaptor

- » BMS interface based on Modbus (RS485)
- » Gateway between Daikin DIII-Net and BMS Modbus workstation
 - Manages up to 16 VRV indoor units connected to up to 2 outdoor units
- » Modbus interface communicates via Modbus RTU

DTA118A72 -DIII-NET/BACnet MSTP Communication Adaptor

- » The DIII-Net/BACnet MS/TP Communication Adaptor enables the connection of VRV systems to a compatible Building Management System (BMS).
- » The adaptor operates as a BACnet router/gateway for the VRV system.
- » With this adaptor, a third-party BMS can monitor the VRV indoor units and outdoor units, as well as control the VRV indoor units through the BACnet MS/TP protocol.
- » The adaptor can be mounted to the VRV outdoor or indoor unit.

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HERO Cloud Service and HERO Simple Edge



The Daikin *HERO* Simple Edge provides a connection of a Daikin *VRV** system to the *HERO* Cloud Services network for remote monitoring. The *HERO* Simple Edge is mounted onto the outdoor unit, and the built-in SIM card provides wireless connectivity.

Daikin *HERO* Cloud Services is a remote monitoring service for Daikin *VRV** systems. When integrated, data visualization of connected indoor and outdoor unit data and animated piping diagrams displaying operation status is provided. Daikin *HERO* Cloud Services also includes failure prediction for the compressors and sensors and refrigerant leak detection in the *VRV* system. In addition, *HERO* Cloud Services can help optimize the equipment operation based on outdoor ambient temperatures.

Elevate control through remote monitoring:

- » **Time and cost-saving opportunities** – Helps reduce unnecessary truck rolls and expand awareness of potential system issues.
- » **An owner-oriented design with a customizable dashboard** – Provides a quick overview of all connected sites and *VRV* systems.

HERO Cloud Services is based upon a recurring licensing fee to access site information. Licenses can be purchased in 1-year, 3-year, or 5-year increments, with no additional cost for the first-year access after the device, is activated.

* Compatible with select Daikin *VRV* models.
Please visit daikinac.com to learn more.



Features and Benefits:

- » Mounts to the outdoor unit using powerful Neodymium magnets.
- » Powered by the outdoor unit and does not require separate power or panel build.
- » The built-in cellular connectivity¹ provides a simple connection to the cloud without burdening the building network and without the addition of expensive network gateways.
- » Connects directly to the Daikin VRV* outdoor unit system without needing additional adaptors or centralized controllers.
- » Simple device commissioning using a QR code.

System Capacity:

- » A maximum of the one (1) Daikin VRV* outdoor unit system and its connected indoor units (up to 64) can be connected to the Simple Edge device.
- » Multiple Simple Edge devices can be connected on a site.
- » A single user account can monitor multiple sites.



¹ HERO Simple Edge uses cellphone communication. HERO Simple Edge cannot establish communication outside the service area, and it is possible, communication cannot be established even if installed within the service area but where cellphone signals are hard to reach, such as underground or on a high-rise building, etc.

*Compatible with select Daikin VRV models. Please visit daikinac.com to learn more.



The *HERO* Cloud Services and *HERO* Pro Edge



Daikin *HERO* Pro Edge is a cloud-based VRV Centralized Controller that offers real-time remote control and monitoring, advanced analytics, and a customized dashboard. Daikin *HERO* Pro Edge can also control and monitor Daikin Mini-split/Multi-split, Daikin ERV (VAM), Daikin Rooftop Units, Daikin Applied *Rebel*, and third-party systems.

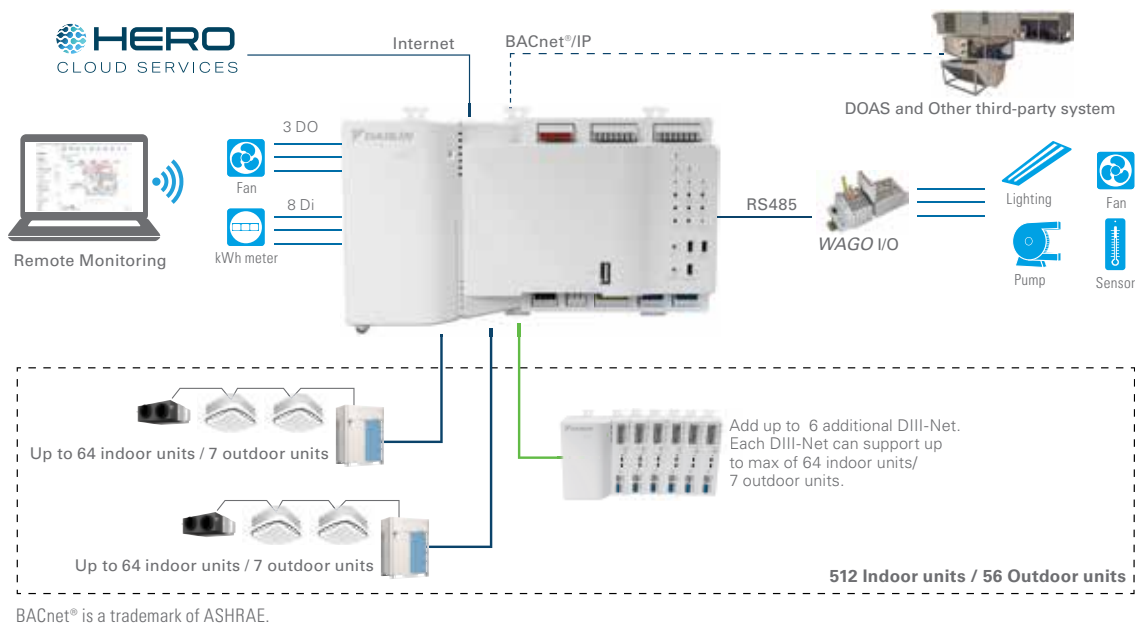
Daikin *HERO* Cloud Services is a remote monitoring and control service for Daikin VRV systems and other equipment connected to Daikin *HERO* Pro Edge. The *HERO* Cloud Services is based upon a recurring licensing fee to access site information. The *HERO* Pro Edge includes the first year *HERO* Cloud Services access for monitoring and control with the purchase of the hardware; licenses can be renewed in 1-year, 3-year, or 5-year increments.

System Capacity

- » 14 Outdoor units (Expand up to 56 Outdoor units with the use of option adaptor)
- » 128 Indoor units (Expand up to 512 Indoor Units with the use of option adaptor)
- » 3 Digital Outputs and 8 Digital Inputs (Expand up to 32 Digital Inputs with the use of option adaptors)
- » 512 WAGO® Inputs and Outputs
- » 1000 Total management points
- » 50 BACnet Devices for monitoring and control

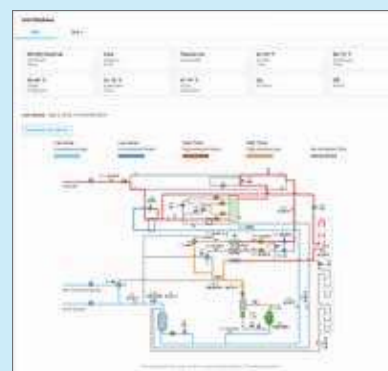
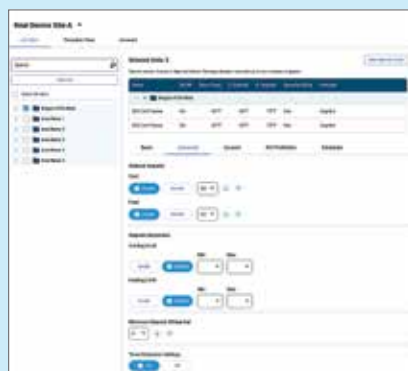
Software Options

- » Power Proportional Distribution (one-time license activation) (DGE002A71)
 - Calculates apportionment of outdoor unit's total power consumption to individual indoor units on the system
- » BACnet® Client (One time license activation)
 - Can be purchased in 10 device (DGE009A71) or 50 device (DGE009A72) license
 - Enabling the BACnet Client option allows the Pro Edge to use the BACnet/IP protocol
 - Allows for full monitoring and control of 3rd party BACnet capable equipment
 - Up to 512 BACnet management points
- » Tenant App (one-time license activation) (HGPFTEN-01)
 - Provides remote access for tenants to their indoor units in multi-family applications



Features of *HERO* Cloud Services with *HERO Pro Edge*

- » Remote monitoring for Daikin *VRV* outdoor and indoor unit operation data.
- » Intuitive, customizable dashboard provides quick status of connected units and sites.
- » Animated piping diagram based on system mode of operation.
- » Download or view historical data (up to 5 years) with built-in trending capabilities.
- » Alarm dashboard with automatic email notifications when an alarm occurs.
- » The Alarm details page provides in-depth information regarding an alarm with a detailed description, possible causes, tech tips, and a comment section.
- » The Energy Management dashboard is used to view energy consumption for the outdoor units (only for Daikin *VRV EMERION* units).
- » User management with customizable access for the user.
- » Monitor multiple outdoor and indoor units across multiple sites with a single login.
- » Floor plans view to provide a visual representation of installation location.
- » Advanced scheduling with Holidays and energy-saving settings.
- » Powerful indoor unit control features such as setpoint range limits, button lockouts, Setback, Auto changeover with Deadband, and guard timer using Vote, Average, Individual, and Fixed methods.
- » Automatic registration of indoor units and outdoor units.
- » Tenant billing option (PPD) allows proportional billing of tenant's outdoor unit usage.
- » Control and monitor third-party equipment using WAGO® I/O
- » Control and monitor BACnet® Devices such (third-party unit BACnet DDC) using the BACnet Client optional license
- » Interlock programming for automated equipment control.
- » Tenant App allows tenants in multi-family building to have individual access to their assigned indoor units via an app on their smart device.



PART NUMBER	DESCRIPTION
DGE601A71	Daikin <i>HERO Pro Edge</i>
DGE601A72	Plus ADP for Daikin <i>HERO Pro Edge</i> and <i>iTM</i>
DGE601A53	Plus ADP Slot (For use with DGE601A72)
DGE002A71	Power Proportional Distribution (PPD) – Tennant billing
DGE009A71	Monitor up to 10 BACnet Devices
DGE009A72	Monitor up to 50 BACnet Devices
HGPFETEN-01	Allow tenant to monitor and controls assigned indoor units (no access to system data)
WAGO I/O	Monitor and control third-party units using I/O contacts.

¹ The power proportional distribution (PPD) feature supplies the user with a reasonably calculated apportionment of the total power consumption by the Daikin *VRV* system. Because input to the PPD includes measured pulses in the refrigerant system and because the *VRV* system includes a number of variables, including the operating temperatures and pressures, piping lengths, heat exchange rates, and so forth, no meter-type apportionment of individual user consumption can be made. However, the PPD feature provides an apportionment methodology that uses highly advanced technology and is applied to the many variables in the *VRV* system.

BACnet® is a trademark of ASHRAE.

The Daikin *HERO* Cloud Services



Daikin *HERO* Cloud Services is a remote monitoring and system control service for Daikin *HVAC* systems and ancillary equipment. When integrated, data visualization of connected of *HVAC* equipment and animated piping diagrams displays operation status. Daikin *HERO* Cloud Services also includes failure predication for the compressors and refrigerant leak detection in the Daikin *VRV* System.

Elevate control through remote monitoring:

» **Time and cost-saving opportunities** – Helps reduce unnecessary truck rolls and expand awareness of potential system issues.

» **An owner-oriented design with a customizable dashboard** – Provides a quick overview of all connected sites and Daikin *VRV* systems.

Daikin *HERO* Cloud Services is based upon a recurring licensing fee to access site information. Licenses can be purchased in 1-year, 3-year, or 5-year increments, with no additional cost for the first-year access after the device is activated.

* Compatible with select Daikin *VRV* models.
Please visit daikinac.com to learn more.



- » Remote monitoring to help manage and diagnose system performance.
- » Uses predictive logic to notify of impending failures.
- » Visualize system performance through the integrated dashboard from a web browser or the Daikin *HERO* Cloud Services App.
- » Streamline service and maintenance for each site.
- » The Daikin *HERO* Simple Edge offers a secure cellular communication to the Daikin *HERO* Cloud Services use a built-in SIM card.

- » The Daikin *HERO* Pro Edge allows connecting to Daikin *HERO* Cloud Services by using the building internet (Ethernet) connection or use an optional LTE router for network free communication.

Daikin *HERO* Cloud Services license options: 1-year, 3-year, and 5-year licenses. Learn more at www.daikinhero.com

Daikin *HERO*
Simple Edge



Daikin *HERO*
Pro Edge



The Daikin *HERO* Cloud Services benefits include advantages for building owners, contractors, and Daikin representatives:

Building Owners

- » Peace of mind
- » Remote monitoring and control
- » Multisite access
- » Intuitive user interface

Daikin Representatives

- » Remote access to all buildings in your territory
- » Continuous commissioning
- » Provide a service solution to the end-user
- » Commissioning reports, maintenance check and system health check

Contractors

- » Remotely diagnose technical issues
- » Easy troubleshooting using multiple tools, live data, graphs, history trends, alarm console, etc
- » Error prediction and notifications



Remote monitoring and control anytime, from anywhere



Multisite access and map view



Energy Savings

- **Monitor and control** your building no matter where you are
- **Manage multiple sites**
- **Visualize energy consumption and benchmark** between different sites to help reduce energy costs
- **Remote diagnostic support** to help increase your systems lifetime
- **Predictive maintenance** to help prevent breakdowns
- **Remote troubleshooting** in case of malfunctions



Trending and report generation



Remote alarms for pre-diagnostics with unique predictive logic



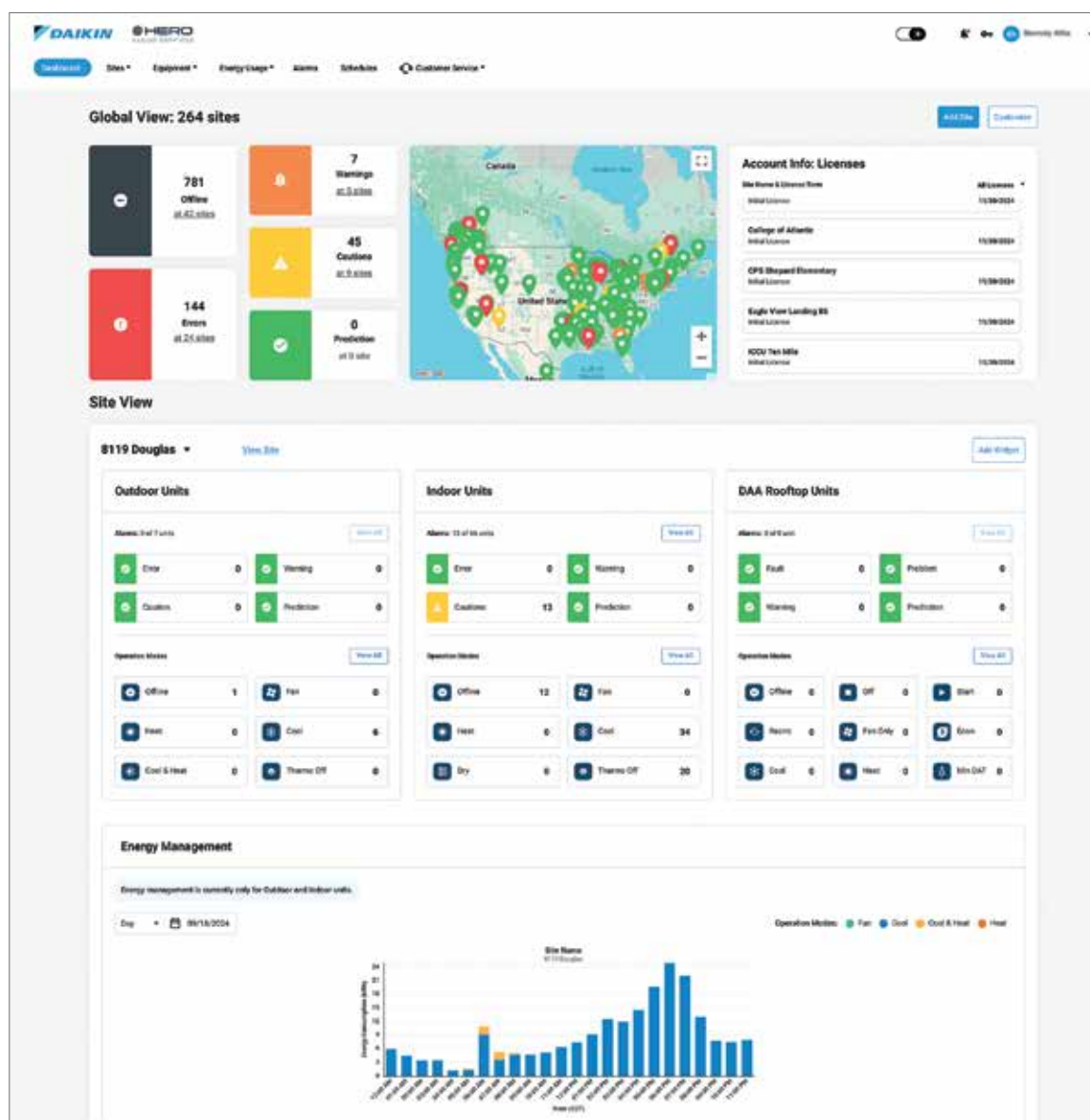
Optimization recommendation by Daikin experts

The Daikin *HERO* Cloud Services (cont.)

The Daikin *HERO* Cloud Services dashboard offers an overview of the accessible sites and provides the status of the total number of units displaying alarms, errors, warnings, or offline. The dashboard can be customized using the “Customize” button on the top right side of the page to fit the user’s role. The Customize button allows users to add or remove the widgets (Map, Subscription, and Energy management). For example:

- » The License widget will display the currently subscribed sites and the expiration date.
- » The “Energy Management” widget offers customized bar chart views for the energy consumption of the selected unit. This widget will also give users a quick view of their site’s outdoor unit and indoor unit error status and mode of operation.

On the top right of the dashboard, users can switch to dark mode, check the current errors through the notification icon, request site access control through the “key icon,” and edit the user profile.



Notes

[illegible]

[illegible]





About Daikin:

Daikin Industries, Ltd. (DIL) is a Fortune 1,000 company with more than 100,000 employees worldwide and a leading indoor comfort solutions provider. Daikin Comfort Technologies North America, Inc. (DNA) is a subsidiary of DIL, providing Daikin, Goodman, Amana Brand, and Quietflex brand products. DNA and its affiliates manufacture heating and cooling systems for residential, commercial, and industrial use that are sold via independent HVAC contractors. DNA engineering and manufacturing is headquartered at Daikin Texas Technology Park near Houston, TX. For additional information, visit www.daikincomfort.com.



ADDITIONAL INFORMATION

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer.

Our continuing commitment to quality products may mean a change in specifications without notice.

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Limited warranty provided by the manufacturer.

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