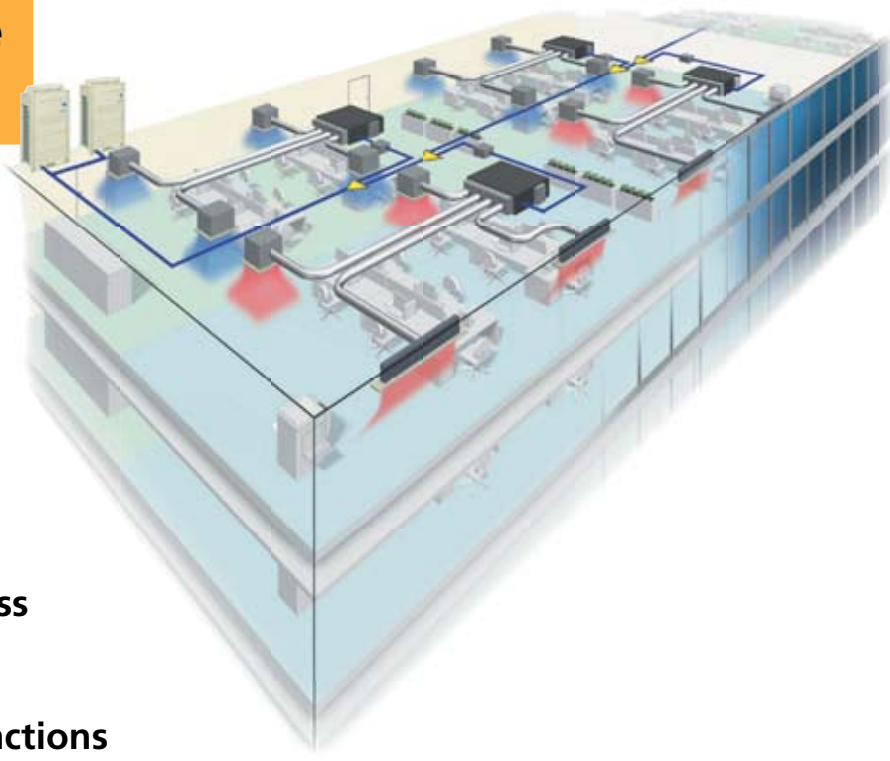


Variable Refrigerant Volume

Air-Cooled DX Central Type Multizone System

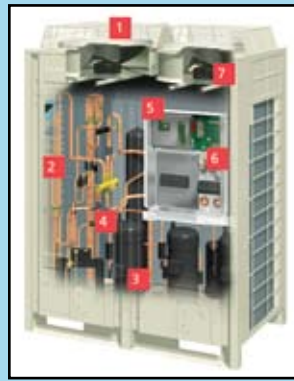


- Advanced zoning capabilities
- 208V or 460V Three phase power supply
- Can operate up to 41 indoor fan coil units
- Longest pipe lengths in product class
- Excellent part load performance
- Autocharging and charge check functions
- Continuous heating during defrost operation



VRV III - one step further into the revolution

Daikin's new VRV III system is the 7th generation of the original Daikin VRV® launched in 1982. Completely re-engineered to realize opportunities for VRV in taller / larger buildings, it utilizes the latest advances in refrigeration and air-conditioning technology. The totally new Daikin Inverter compressor system delivers improved efficiency and performance, while ensuring satisfaction of demands throughout connected zones across the complete operation cycle. With a choice of 460V/3Ph/60Hz or 208-230V/3Ph/60Hz, the Heat Pump or Heat Recovery configurations power up to 20-Ton capacity from a single piping network. The system also allows up to 41 indoor fan coil units, a 200% connection index, and integrated controls, with BMS options and piping limitations never before seen with a DX system. With these attributes, VRV III naturally positions itself wherever traditional chilled water systems are desired.



- 1 Newly improved fans and grills
- 2 Newly optimized heat exchanger increases efficiency
- 3 Improved high efficiency scroll compressor
- 4 Heat transfer circuit
- 5 Compact aero box
- 6 Smooth sine wave DC (Digitally Commutated) Inverter
- 7 DC inverter fan motor

Specification	VRV	VRV-III	Improvement	Benefit
Largest single module	8-Ton	12-Ton	50%	Space saving, improved competitiveness
Largest single system	16-Ton	20-Ton	25%	Minimizing total number of systems
Power supply	208-230V	208-230V & 460V	Choice	Match the requirements of the building
Electrical safety	60+60A MFA	50A (25A or 25A) MFA	58%	Reduction of electrical installation requirements
Combination ratio	Up to 130%	Up to 200%	54%	Greater application flexibility
Maximum number of indoor units	Up to 24	Up to 41	167%	Greater application flexibility
Refrigerant charge (8-Ton heat pump)	25.1 lbs	19.8 lbs	-21%	Reduction of environmental impact
Actual pipe length	492 ft	540 ft	10%	Greater application flexibility
Total pipe length	1000 ft	3280 ft	328%	Greater application flexibility
From the first REFNET to furthest indoor unit	130 ft	295 ft	127%	Greater application flexibility
Height separation	164 ft	295 ft	80%	Coverage of taller, larger building
Outdoor unit fan (ESP)	0.24	0.32	33%	Easier integration for plant room solutions, less chance of discharge air short circuiting
Unit footprint (8-Ton heat pump)	10.22sq ft	7.66sq ft	25%	Space savings for easier location of condensing units
Unit footprint (16-Ton heat recovery)	20.45sq ft	15.32sq ft	25%	Space savings for easier location of condensing units
Weight (8-Ton heat pump)	666 lbs	582 lbs	13%	Easy transportation, reduced shipping costs

VRV III Features & Benefits

Voltage Platform & Operation Choice	<ul style="list-style-type: none"> ➤ 460V 3-phase 6, 8, 10-Ton, single cabinet /12, 14, 16, 18 and 20-Ton manifolded cabinet condensing units available for commercial applications. ➤ 208-230V 3-phase 6, 8, 10, and 12-Ton single cabinet & 14, 16, 18 and 20-Ton manifolded cabinet condensing units available for commercial and light commercial applications. ➤ Heat pump and heat recovery systems providing simultaneous heating and cooling are available with both voltage platforms.
Advanced Zoning	<ul style="list-style-type: none"> ➤ Individual zones can be provided for up to 41 zones on a single VRV III system.
Independent Control	<ul style="list-style-type: none"> ➤ Each fan coil unit uses a dedicated electronic expansion valve for superior room temperature control, meaning individual control in all necessary zones.
Absolute Reliability	<ul style="list-style-type: none"> ➤ The latest G-Type Daikin designed & manufactured inverter scroll compressor delivers excellent performance and reliability.
VFD Inverter Capacity Control	<ul style="list-style-type: none"> ➤ At the heart of the condensing unit is a high efficiency variable speed "inverter" compressor coupled with inverter fan motors for superior system part load performance. ➤ Compressor capacity is modulated automatically to maintain a constant suction pressure, while varying the refrigerant volume to precisely deliver the needs of the cooling or heating loads. ➤ Indoor units use an Electronic Expansion Valve (EEV) to control the cooling or heating performance, with PID logic taking priority when the room temperature to set-point differential is +/-3 °F, to deliver a comfortable room temperature condition.
Optimized R-410A Design	<ul style="list-style-type: none"> ➤ This 7th generation VRV system has been completely overhauled and redesigned for use with R-410A & the very latest refrigeration, fan, motor and compressor technology.
Flexible Design	<ul style="list-style-type: none"> ➤ The longest refrigerant lines in the industry - up to 540ft (620ft equivalent) linear piping between condensing unit and furthest located fan coil unit. ➤ The longest refrigerant lines in the industry - up to 3280ft total "one-way" piping in the complete piping network. ➤ The largest vertical (height) separation in the industry - up to 295ft between the condensing unit and the fan coil units is permitted. ➤ Connection diversity can be applied up to 200% of the indoor fan coil unit capacity to outdoor condensing unit nominal capacity. ➤ Modular condensing units can be installed, phase by phase or floor by floor all around the building perimeter offering a decentralized alternative to traditional centralized plant equipment. ➤ Plant room installation condensing units supported with fan / fan motor ESP up to 0.32" WG as standard allowing connection of discharge ductwork and preventing discharge air short circuiting. ➤ Continuous operation at 0°F DB (-4°F WB) ~ 77°F DB (60°F WB) in heating mode and 23°F DB ~ 110°F DB in cooling mode.
Indoor Units	<ul style="list-style-type: none"> ➤ A full array of ducted and duct-free style fan coil units, including the FXOQ vertical air handler & FXZQ 2x2 multi flow ceiling cassette are available to meet the demands of any application. ➤ Capacity range covers 0.6 (7.5MBH) to 4 (48MBH) Ton in 0.5 Ton increments to ensure the optimum selection for the zone load conditions.
Simple Wiring	<ul style="list-style-type: none"> ➤ Daisy chain control wiring, 2 wire, multi stranded, non-shielded and non polarized for simple error free installations.
Energy Efficiency	<ul style="list-style-type: none"> ➤ Excellent part load system performance delivering maximum comfort for minimal power consumption on the complete application temperature range. ➤ Equivalent or better performance than levels associated with high efficiency air cooled & water cooled chiller systems.
Outside Air	<ul style="list-style-type: none"> ➤ Outside air capability with ducted fan coils and duct-free cassette units.
Space Saving	<ul style="list-style-type: none"> ➤ With a condensing unit module footprint as small as 3' 5/8" x 2' 6/18" (7.66sq ft) location and installation of VRV III is simple to realize.
Advanced Diagnostics	<ul style="list-style-type: none"> ➤ The advanced, self-diagnostic, auto-check function will detect a malfunction and immediately display the type and location so it can be resolved quickly and effectively.
Advanced Controls	<ul style="list-style-type: none"> ➤ Zone LCD remote controller for up to 16 zones which provides a host of operational functions, including 7-day programmability. ➤ Connects to the full suite of advanced Daikin control solutions including Intelligent Touch Controller and I-Manager. ➤ Can be integrated to open protocol building management systems via the Daikin BACnet and LONworks Gateways.
Low Sound Levels	<ul style="list-style-type: none"> ➤ Indoor and outdoor units offer quiet operation. FXZQ indoor unit has a sound pressure level as low as 25dB(A).

A wide variety of ducted and duct-free indoor fan coil units

			0.6 Ton	0.75 Ton	1.0 Ton	1.5 Ton	2.0 Ton	2.5 Ton	3.0 Ton	4.0 Ton	
INDOOR UNITS - FXSQ Concealed Ceiling Unit (208 - 230V / 1Ph / 60Hz)											
 <p>Condensate Pump Standard</p>	Model			FXSQ09MVJU	FXSQ12MVJU	FXSQ18MVJU	FXSQ24MVJU	FXSQ30MVJU	FXSQ36MVJU	FXSQ48MVJU	
	Cooling Capacity	Btu/h			12,000	18,000	24,000	30,000	36,000	48,000	
	Heating Capacity	Btu/h			13,500	20,000	27,000	34,000	40,000	54,000	
	Sound Pressure Level H/L	dB(A)			41/35 ¹	44/38 ¹	44/38 ¹	45/39 ¹	45/39 ¹	48/43 ¹	
	Airflow H/L	cfm			340/230	530/390	740/490	950/720	990/740	1,300/950	
	Weight	lbs.			69	73	95	119	119	122	
	Dimensions (H x W x D)	in.			11 7/8 x 21 5/8 x 31 1/2	11 7/8 x 27 1/2 x 31 1/2	11 7/8 x 39 3/8 x 31 1/2	11 7/8 x 55 1/8 x 31 1/2			
INDOOR UNITS - FXMQ Concealed Ceiling Unit (medium static) (208 - 230V / 1Ph / 60Hz)											
	Model							FXMQ30MVJU	FXMQ36MVJU	FXMQ48MVJU	
	Cooling Capacity	Btu/h						30,000	36,000	48,000	
	Heating Capacity	Btu/h						34,000	40,000	54,000	
	Sound Pressure Level H/L	dB(A)						45/41 ²	45/41 ²	48/45 ²	
	Airflow H/L	cfm						690/565	1,020/810	1,270/1020	
	Weight	lbs.						99	139	144	
	Dimensions (H x W x D)	in.						15 3/8 x 28 3/8 x 27 1/8	15 3/8 x 43 3/4 x 27 1/8		
INDOOR UNITS - FXDQ Slim Duct Built-In Concealed Ceiling Unit (208 - 230V / 1Ph / 60Hz)											
 <p>Condensate Pump Standard</p>	Model		FXDQ07MVJU	FXDQ09MVJU	FXDQ12MVJU	FXDQ18MVJU	FXDQ24MVJU				
	Cooling Capacity	Btu/h	7,500	9,500	12,000	18,000	24,000				
	Heating Capacity	Btu/h	8,500	10,500	13,500	20,000	27,000				
	Sound Pressure Level H/L	dB(A)	33/29 ²	33/29 ²	33/29 ²	35/31 ²	36/32 ²				
	Airflow H/L	cfm	280/226	280/226	280/226	440/350	580/460				
	Weight	lbs.	49	49	49	68	75				
	Dimensions (H x W x D)	in.	7 7/8 x 27 9/16 x 24 7/16		7 7/8 x 35 7/16 x 24 7/16	7 7/8 x 43 5/16 x 24 7/16					
INDOOR UNITS - FXOQ Vertical Air Handling Unit (FXOQ42MVJU model also available) (208 V / 1Ph / 60Hz)											
 <p>The FXOQ + BEQ unit cannot be installed on the same system as that containing Indoor Units from another VRV Indoor Unit family</p>	Model				FXOQ12MVJU	FXOQ18MVJU	FXOQ24MVJU	FXOQ30MVJU	FXOQ36MVJU	FXOQ48MVJU	
	Cooling Capacity	Btu/h			12,000	18,000	24,000	30,000	36,000	48,000	
	Heating Capacity	Btu/h			12,000	18,000	24,000	30,000	40,000	54,000	
	Sound Pressure Level H/L	dB(A)			N/A	N/A	N/A	N/A	N/A	N/A	
	Airflow H/L	cfm			400	600	800	1,000	1,200	1,600	
	Weight	lbs.			120	120	120	140	210	210	
	Dimensions (H x W x D)	in.			44 x 22 x 15	44 x 22 x 15	44 x 22 x 15	48 x 22 x 18.5	49 x 26 x 20	49 x 26 x 20	
	BEQ box model				BEQ12MVJLR1	BEQ18MVJLR1	BEQ24MVJLR1	BEQ30MVJLR1	BEQ36MVJLR1	BEQ48MVJLR1	
INDOOR UNITS - FXFQ 4 Way Ceiling Mounted Cassette Unit (3'x3') (208 - 230V / 1Ph / 60Hz)											
 <p>Condensate Pump Standard</p>	Model		FXFQ07MVJU	FXFQ09MVJU	FXFQ12MVJU	FXFQ18MVJU	FXFQ24MVJU	FXFQ30MVJU	FXFQ36MVJU		
	Cooling Capacity	Btu/h			12,000	18,000	24,000	30,000	36,000		
	Heating Capacity	Btu/h			13,500	20,000	27,000	34,000	40,000		
	Sound Pressure Level H/L	dB(A)			31/28 ²	33/28 ²	34/29 ²	38/32 ²	40/33 ²		
	Airflow H/L	cfm			460/350	570/390	670/490	990/710	990/740		
	Weight (panel weight)	lbs.			55 (11)	55 (11)	55 (11)	66 (11)	66 (11)		
	Unit Dimensions (H x W x D)	in.			9 1/8 x 33 1/8 x 33 1/8			11 3/8 x 33 1/8 x 33 1/8			
	Panel Dimensions (H x W x D)	in.			1 5/8 x 37 3/8 x 37 3/8						
INDOOR UNITS - FXZQ 4 Way Ceiling Mounted Cassette Unit (2'x2') *Available in April 2008* (208 - 230V / 1Ph / 60Hz)											
 <p>Condensate Pump Standard</p>	Model		FXZQ07M7VJU	FXZQ09M7VJU	FXZQ12M7VJU	FXZQ18M7VJU					
	Cooling Capacity	Btu/h	7,500	9,500	12,000	18,000					
	Heating Capacity	Btu/h	8,500	10,500	13,500	20,000					
	Sound Pressure Level H/L	dB(A)	31/29 ²	31/29 ²	33/29 ²	41/34 ²					
	Airflow H/L	cfm	320/247	320/247	335/265	495/353					
	Weight	lbs.	41.9	41.9	41.9	41.9					
	Dimensions (H x W x D)	in.	11 1/4 x 22 5/8 x 22 5/8								
	Panel Dimensions (H x W x D)	in.	2 5/32 x 27 9/16 x 27 9/16								
INDOOR UNITS - FXHQ Ceiling Suspended Cassette Unit (208 - 230V / 1Ph / 60Hz)											
	Model				FXHQ12MVJU		FXHQ24MVJU		FXHQ36MVJU		
	Cooling Capacity	Btu/h			12,000		24,000		36,000		
	Heating Capacity	Btu/h			13,500		27,000		40,000		
	Sound Pressure Level H/L	dB(A)			38/33 ³		44/36 ³		46/41 ³		
	Airflow H/L	cfm			410/340		710/600		830/670		
	Weight	lbs.			55		80		90		
	Dimensions (H x W x D)	in.			7 11/16 x 37 13/16 x 26 3/4		7 11/16 x 55 1/8 x 26 3/4		7 11/16 x 62 5/8 x 26 3/4		
INDOOR UNITS - FXAQ Wall Mounted Unit (208 - 230V / 1Ph / 60Hz)											
	Model		FXAQ07MVJU	FXAQ09MVJU	FXAQ12MVJU	FXAQ18MVJU	FXAQ24MVJU				
	Cooling Capacity	Btu/h	7,500	9,500	12,000	18,000	24,000				
	Heating Capacity	Btu/h	8,500	10,500	13,500	20,000	27,000				
	Sound Pressure Level H/L	dB(A)	36/31 ³	37/31 ³	38/31 ³	43/37 ³	47/40 ³				
	Airflow H/L	cfm	265/160	285/175	300/180	500/400	635/470				
	Weight	lbs.	25	25	25	31	31				
	Dimensions (H x W x D)	in.	11 3/8 x 31 1/4 x 9			11 3/8 x 41 3/8 x 9					
INDOOR UNITS - FXLQ Floor Console Unit (208 - 230V / 1Ph / 60Hz)											
	Model				FXLQ12MVJU	FXLQ18MVJU	FXLQ24MVJU				
	Cooling Capacity	Btu/h			12,000	18,000	24,000				
	Heating Capacity	Btu/h			13,500	20,000	27,000				
	Sound Pressure Level H/L	dB(A)			36/33 ⁴	40/35 ⁴	41/36 ⁴				
	Airflow H/L	cfm			280/210	490/380	560/420				
	Weight	lbs.			66	80	80				
	Dimensions (H x W x D)	in.			23 5/8 x 44 7/8 x 8 3/4	23 5/8 x 55 7/8 x 8 3/4					
INDOOR UNITS - FXNQ Concealed Floor Console Unit (208 - 230V / 1Ph / 60Hz)											
	Model				FXNQ12MVJU	FXNQ18MVJU	FXNQ24MVJU				
	Cooling Capacity	Btu/h			12,000	18,000	24,000				
	Heating Capacity	Btu/h			13,500	20,000	27,000				
	Sound Pressure Level H/L	dB(A)			36/33 ⁴	40/35 ⁴	41/36 ⁴				
	Airflow H/L	cfm			280/210	490/380	560/420				
	Weight	lbs.			51	59	59				
	Dimensions (H x W x D)	in.			24 x 42 1/8 x 8 5/8	24 x 53 1/8 x 8 5/8					
Branch Selector - BSVQ (For use with RXYQ, PYDN & REYQ, PTJU)											
	Model		BSVQ36PVJU	BSVQ60PVJU							
	Power Supply		1 phase 208-230V 60Hz								
	Dimensions (H x W x D)	in.	8 3/16 x 15 5/16 x 12 7/8								
	Mass	lbs.	31								
	Piping Connections	Indoor Unit	Liquid in.	3/8 (braze)							
			Gas in.	5/8 (braze)							
			Liquid in.	3/8 (braze)							
		Outdoor Unit	Suction Gas in.	5/8 (braze)							
HP/LP Gas in.			1/2 (braze)								

Notes: ¹ at 5 ft below bottom suction grill of unit ² at 5 ft below the unit ³ at 3.3 ft below and from the unit⁴ measured at 5 ft away, 5 ft high

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

Outdoor Units - RXYQ_P Heat Pump		6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton	20 Ton	
	Model		RXYQ72PTJU	RXYQ96PTJU	RXYQ120PTJU	RXYQ144PTJU	RXYQ168PTJU	RXYQ192PTJU	RXYQ216PTJU	RXYQ240PTJU
	Combination						RXYQ96PTJU + RXY-Q72PTJU	RXYQ120PTJU + RXYQ72PTJU	RXYQ120PTJU + RXYQ96PTJU	2x RXYQ120PTJU
	Cooling Capacity	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000	216,000	240,000
	Cooling Input Power	kW	5.4	8.6	10.9	13.2	14.0	16.3	19.5	21.8
	Heating Capacity	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000	243,000	270,000
	Heating Input Power	kW (Btu/h)	6.0 (20,472)	8.7 (29,684)	11.4 (38,897)	13.4 (45,721)	14.7 (50,156)	17.4 (59,369)	20.1 (68,581)	22.8 (77,794)
	Operating Range - Cooling	°F DB	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110
	Operating Range - Heating	°F DB/°F WB	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60
	Sound Pressure Level @3ft	dB(A)	58	58	60	61	61	62	62	63
	Airflow H/L	cfm	6,530	6,530	7,060	8,300	6,530 + 6,530	7,060 + 6,530	7,060 + 6,530	7,060 + 7,060
	Vertical Pipe Length - above	ft.	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)
	Vertical Pipe Length - below	ft.	295	295	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280	3,280	3,280	3,280
	Weight	lbs.	560	560	560	747	560 + 560	560 + 560	560 + 560	560 + 560
	Dimensions (H x W x D)	in.	66 1/8 x 36 5/8 x 30 1/8			66 1/8 x 51 3/16 x 30 1/8		66 1/8 x (36 5/8 x 2) x 30 1/8		

Outdoor Units - REYQ_P Heat Recovery		6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton	20 Ton	
	Model		REYQ72PTJU	REYQ96PTJU	REYQ120PTJU	REYQ144PTJU	REYQ168PTJU	REYQ192PTJU	REYQ216PTJU	REYQ240PTJU
	Combination						REMQ96PTJU + REMQ72PTJU	REMQ120PTJU + REMQ72PTJU	REMQ120PTJU + REMQ96PTJU	2x REMQ120PTJU
	Cooling Capacity	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000	216,000	240,000
	Cooling Input Power	kW	5.4	8.4	10.9	13.2	14.0	16.3	19.5	21.8
	Heating Capacity	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000	243,000	270,000
	Heating Input Power	kW (Btu/h)	6.05 (20,643)	8.95 (30,537)	11.2 (38,214)	13.4 (45,721)	14.7 (50,156)	17.4 (59,369)	20.1 (68,581)	22.8 (77,794)
	Operating Range - Cooling	°F DB	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110
	Operating Range - Heating	°F DB/°F WB	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60
	Sound Pressure Level @3ft	dB(A)	58	58	60	61	61	62	62	63
	Airflow H/L	cfm	6,700	6,700	7,410	8,300	6,530 + 6,350	7,060 + 6,350	7,060 + 6,350	7,060 + 7,060
	Vertical Pipe Length - above	ft.	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)
	Vertical Pipe Length - below	ft.	295	295	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280	3,280	3,280	3,280
	Weight	lbs.	730	730	730	747	560 + 450	560 + 450	560 + 560	560 + 560
	Dimensions (H x W x D)	in.	66 1/8 x 51 3/16 x 30 1/8			66 1/8 x 51 3/16 x 30 1/8		66 1/8 x (36 5/8 x 2) x 30 1/8		

(460V / 3Ph / 60Hz)

Outdoor Units - RXYQ_P Heat Pump		6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton	20 Ton	
	Model		RXYQ72PYDN	RXYQ96PYDN	RXYQ120PYDN	RXYQ144PYDN	RXYQ168PYDN	RXYQ192PYDN	RXYQ216PYDN	RXYQ240PYDN
	Combination						2x RXYQ72PYDN	RXYQ96PYDN + RXY-Q120PYDN	RXYQ96PYDN + RXY-Q120PYDN	2x RXYQ120PYDN
	Cooling Capacity	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000	216,000	240,000
	Cooling Input Power	kW	5.4	8.6	10.9	13.2	14.0	16.3	19.5	21.8
	Heating Capacity	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000	243,000	270,000
	Heating Input Power	kW (Btu/h)	6.0 (20,470)	8.7 (29,694)	11.4 (38,897)	12.0 (40,944)	14.7 (50,157)	17.4 (59,369)	20.1 (68,581)	22.8 (77,794)
	Operating Range - Cooling	°F DB	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110
	Operating Range - Heating	°F DB/°F WB	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60
	Sound Pressure Level @3ft	dB(A)	58	58	60	61	61	62	62	63
	Airflow H/L	cfm	6,350	6,530	7,060	6,350 + 6,530	6,530 + 6,530	7,060 + 6,530	7,060 + 6,530	7,060 + 7,060
	Vertical Pipe Length - above	ft.	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)
	Vertical Pipe Length - below	ft.	295	295	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280	3,280	3,280	3,280
	Weight	lbs.	573	573	573	573 + 573	573 + 573	573 + 573	573 + 573	573 + 573
	Dimensions (H x W x D)	in.	66 1/8 x 36 5/8 x 30 1/8			66 1/8 x 51 3/16 x 30 1/8		66 1/8 x (36 5/8 x 2) x 30 1/8		

Outdoor Units - REYQ_P Heat Recovery		6 Ton	8 Ton	10 Ton	12 Ton	14 Ton	16 Ton	18 Ton	20 Ton	
	Model		REYQ72PYDN	REYQ96PYDN	REYQ120PYDN	REYQ144PYDN	REYQ168PYDN	REYQ192PYDN	REYQ216PYDN	REYQ240PYDN
	Combination						2x REMQ72PYDN	REMQ72PYDN + REMQ96PYDN	REMQ72PYDN + REMQ120PYDN	2x REMQ120PYDN
	Cooling Capacity	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000	216,000	240,000
	Cooling Input Power	kW	5.4	8.4	10.9	13.2	14.0	16.3	19.5	21.8
	Heating Capacity	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000	243,000	270,000
	Heating Input Power	kW (Btu/h)	6.05 (20,643)	8.95 (30,537)	11.2 (38,214)	13.4 (45,721)	14.7 (50,156)	17.4 (59,369)	20.1 (68,581)	22.8 (77,794)
	Operating Range - Cooling	°F DB	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110	23 - 110
	Operating Range - Heating	°F DB/°F WB	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60	0 - 77 / -4 - 60
	Sound Pressure Level @3ft	dB(A)	58	58	60	61	61	62	62	63
	Airflow H/L	cfm	6,700	6,700	7,410	8,300	6,530 + 6,350	7,060 + 6,350	7,060 + 6,530	7,060 + 7,060
	Vertical Pipe Length - above	ft.	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)	164 (295 with option)
	Vertical Pipe Length - below	ft.	295	295	295	295	295	295	295	295
	Actual Pipe Length	ft.	540	540	540	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280	3,280	3,280	3,280
	Weight	lbs.	732	732	732	463 + 463	573 + 463	573 + 463	573 + 573	573 + 573
	Dimensions (H x W x D)	in.	66 1/8 x 51 3/16 x 30 1/8			66 1/8 x 51 3/16 x 30 1/8		66 1/8 x (36 5/8 x 2) x 30 1/8		

Individual Zone Controllers			Multi-Zone Controllers		Time Clock Controllers
7-Day Programmable Wired R/C BRC1D71	Simplified Wired R/C BRC2A71	Wireless R/C BRC7C812 BRC7E83 BRC4C82 BRC7E818	Unified On/Off R/C DCS301C71	Centralized R/C DCS302C71	Schedule Timer DST301BA61

Intelligent Manager III

Intelligent Controller

LoNWorks® NETWORKS COMPATIBLE GATEWAY

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

BACnet® NETWORKS COMPATIBLE GATEWAY

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

- 1,024 groups (2,048 groups) connectable
- Management of AC units, facilities, and ancillary equipment
- Operation on 1 master PC and 1 sub PC
- Remote monitoring via the web
- 64 groups (128 indoor units) connectable, another 64 groups (128 indoor units) connectable with DIH-Net adaptor option
- Management of AC units, facilities, and ancillary equipment
- Touch screen display
- Built-in Ethernet port, Web enabled (optional)



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