

KSFB-115-H25

CFM	OV		TOTAL STATIC PRESSURE in inches of WG								
			0.125	0.250	0.375	0.500	0.750	1.000	1.250	1.500	2.000
4,700	2,146	RPM	524	567	608	1.31	722	790	856	915	1031
		BHP	1.02	1.16	1.31	1.45	1.74	2.03	2.34	2.63	3.29
5,400	2,465	RPM	589	628	665	700	768	832	891	950	1056
		BHP	1.49	1.66	1.83	1.99	2.32	2.65	2.98	3.33	4.01
6,100	2,785	RPM	656	691	724	757	819	877	934	988	1090
		BHP	2.10	2.29	2.47	2.66	3.04	3.40	3.79	4.16	4.94
6,800	3,105	RPM	723	755	786	815	872	928	979	1031	
		BHP	2.86	3.07	3.28	3.48	3.91	4.33	4.72	5.15	
7,500	3,424	RPM	792	821	849	876	929	980			
		BHP	3.78	4.02	4.25	4.47	4.94	5.41			

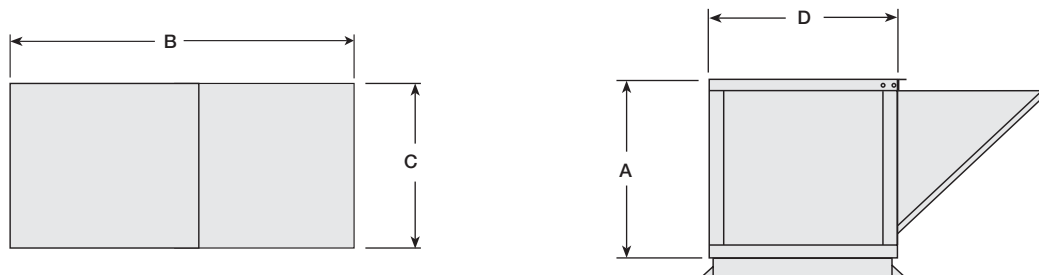
KSFB-118-H25

CFM	OV		TOTAL STATIC PRESSURE in inches of WG								
			0.125	0.250	0.375	0.500	0.750	1.000	1.250	1.500	2.000
6,500	2,145	RPM	438	473	510	544	608	667	723	776	
		BHP	1.26	1.42	1.60	1.78	2.13	2.47	2.83	3.20	
7,500	2,475	RPM	495	526	557	588	646	702	754	802	897
		BHP	1.87	2.06	2.26	2.46	2.86	3.27	3.66	4.05	4.92
8,500	2,805	RPM	554	580	607	636	690	740	790	835	922
		BHP	2.66	2.87	3.09	3.32	3.79	4.22	4.69	5.14	6.04
9,500	3,135	RPM	614	637	661	685	735	783	827	872	954
		BHP	3.67	3.86	4.13	4.37	4.90	5.41	5.90	6.43	7.43
10,500	3,465	RPM	675	695	715	738	783	827	870		
		BHP	4.91	5.14	5.39	5.66	6.23	6.80	7.37		

Power rating (Bhp) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream.

Dimensional Data Stand-Alone

Arrangement HZ - Standard Weatherhood



	A	B	C	D
Housing 05	18 ³ / ₈	31 ⁵ / ₈	20	19 ³ / ₈
Housing 08	18 ³ / ₈	31 ³ / ₄	37	19 ³ / ₈
Housing 15	25 ¹ / ₄	71 ¹ / ₈	31 ¹ / ₈	39 ¹ / ₂
Housing 25	34	81 ³ / ₈	40 ¹ / ₄	47 ³ / ₈

All dimensions are in inches.

KSF-1



Submittal Data Sheet

28 TON, 230V, VRV IV X HP - RXYQ336XATJA

Project: 300 Decatur - DLR

Submitted by: ALLEN LAIRD of MID SOUTH EQPMT SL SVC LLC on 2/9/2022

Submitted to: No Engineer Name Specified

Tags: OACU- 2

FEATURES

- Industry's first 3 phase Heat Pump VRF system to integrate with communicating gas furnaces.
- Design flexibility to enlarge system from single to dual module or dual to triple module without changes to installed main pipe sizes.
- Variable Refrigerant Temperature (VRT) control allows the VRV IV to deliver up to 28% of improvement in seasonal cooling efficiency compared to previous Daikin VRV heat pump systems
- New service window provides quick access to multi-functional display and configuration buttons.
- Assembled in the US to increase flexibility and reduce lead times
- Multi-functional display provides refrigerant pressures and temperatures eliminating the need to connect gauges during regular maintenance check.
- Standard Limited Warranty: 10-year limited parts warranty
- Easy commissioning with ability to program settings off site using configurator tool.



BENEFITS

- Modular and lightweight - enables flexibility in system layout and installation
- Integrated inverter technology deliver maximum efficiency during part load conditions and provide precise individual zone control
- Corrosion resistance 1000hr salt spray tested Daikin PE blue fin heat exchanger
- Design flexibility with long piping lengths up to 3,280 ft. total and 100 ft. vertical separation between indoor units
- Choice of gas furnace or heat pump heating for optimizing operational costs based on utility cost.
- Engineered to optimize capital on phased & tenant fit out commercial buildings.
- Year round comfort and energy savings with Variable Refrigerant Temperature technology (VRT).
- Field performable Intermittent outdoor fan operation to help minimize snow accumulation on fan blades when the system is off.



CU-1



Submittal Data Sheet

28 TON, 230V, VRV IV X HP - RXYQ336XATJA

Project: 300 Decatur - DLR

Submitted by: ALLEN LAIRD of MID SOUTH EQPMT SL SVC LLC on 2/9/2022

Submitted to: No Engineer Name Specified

Tags: OACU- 2

PERFORMANCE

Outdoor Unit Model No.	RXYQ336XATJA	Outdoor Unit Name:	28 TON, 230V, VRV IV X HP
Type:	Heat Pump	Unit Combination:	RXYQ168XATJA(x2)
Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Rated Piping Length(ft):			
Rated Height Difference (ft):			
Rated Cooling Capacity (Btu/hr):	312,000	Rated Heating Capacity (Btu/hr):	342,000
Nom Cooling Capacity (Btu/hr):	326,000	Nom Heating Capacity (Btu/hr):	378,000
Cooling Input Power (kW):	33.40	Heating Input Power (kW):	27.00
EER (Non-Ducted/Ducted):	9.50 / 9.50	Heating COP (Non-Ducted/Ducted):	3.2 / 3.2
IEER (Non-Ducted/Ducted):	20.60 / 18.50	Heating COP 17F (Non-Ducted/Ducted):	2.4 / 2.3

OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 3	Compressor Stage:	Inverter
Power Supply Connections:	L1, L2, L3 Ground	Capacity Control Range (%):	10 - 100
Min. Circuit Amps MCA (A):	55.1+55.1	Capacity Index Limit:	168.0 - 436.0
Max Overcurrent Protection (MOP) (A):	60+60	Airflow Rate (H) (CFM):	8228+8228
Max Starting Current MSC(A):		Gas Pipe Connection (inch):	1-3/8
Rated Load Amps RLA(A):	(18.8+18.8)x2	Liquid Pipe Connection (inch):	3/4
Dimensions (Height) (in):	66-11/16	H/L Pressure Connection (inch)	
Dimensions (Width) (in):	48-7/8+48-7/8	H/L Equalizing Connection (inch)	
Dimensions (Depth) (in):	30-3/16	Sound Pressure (H) (dBA):	68
Net Weight (lb):	695+695	Sound Power Level (dBA):	
		Max. No. of Indoor Units:	58



Submittal Data Sheet

28 TON, 230V, VRV IV X HP - RXYQ336XATJA

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Submitted by: ALLEN LAIRD of MID SOUTH EQPMT SL SVC LLC on 2/9/2022

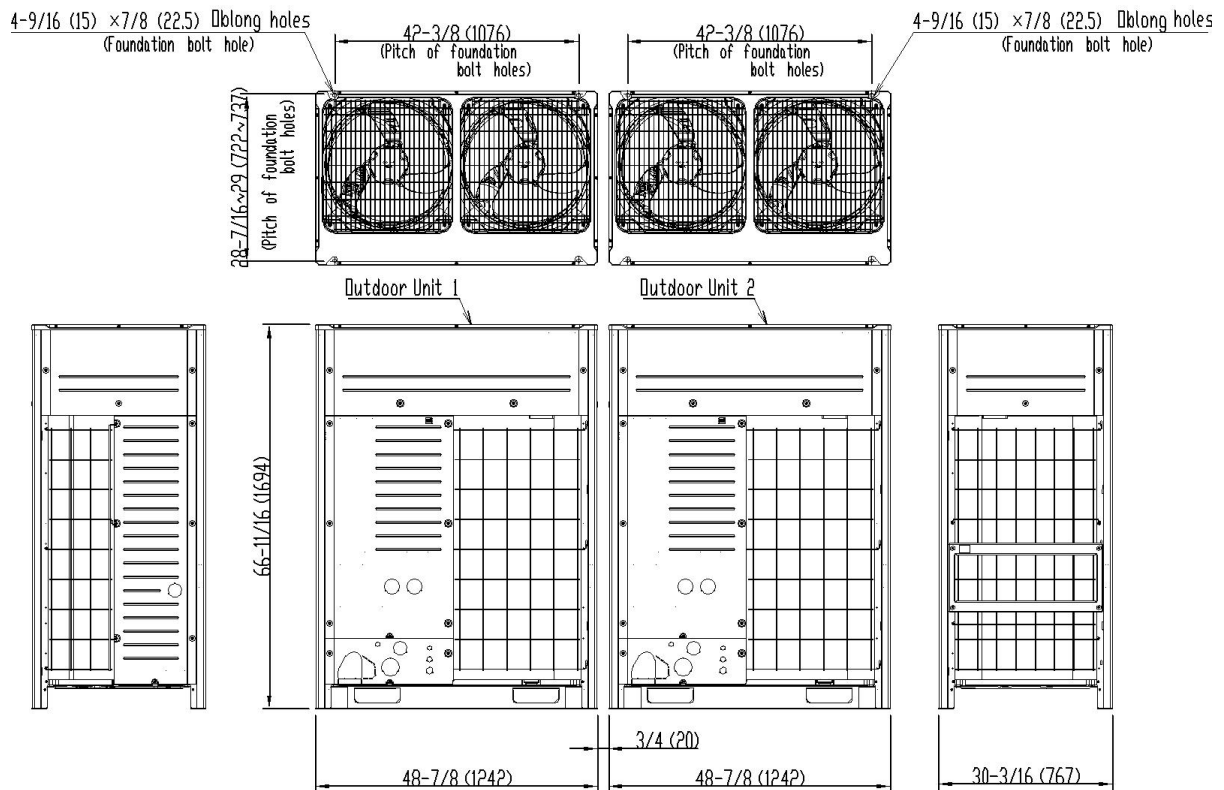
Submitted to: No Engineer Name Specified

Tags: OACU- 2

SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122
Holding Refrigerant Charge (lbs):	17.2+17.2	Heating Operation Range (°F WB):	-4 - 100
Additional Charge (lb/ft):		Max. Pipe Length (Vertical) (ft):	295
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (°F DB):	-
Max. Pipe Length (Total) (ft):	540	Heating Range w/Baffle (°F WB):	-
Max Height Separation (Ind to Ind ft):			

DIMENSIONAL DRAWING





Submittal Data Sheet

32 TON, 230V, VRV IV X HP - RXYQ384XATJA

Project: 300 Decatur - DLR

Submitted by: ALLEN LAIRD of MID SOUTH EQPMT SL SVC LLC on 2/9/2022

Submitted to: No Engineer Name Specified

Tags: OACU- 1

FEATURES

- Industry's first 3 phase Heat Pump VRF system to integrate with communicating gas furnaces.
- Design flexibility to enlarge system from single to dual module or dual to triple module without changes to installed main pipe sizes.
- Variable Refrigerant Temperature (VRT) control allows the VRV IV to deliver up to 28% of improvement in seasonal cooling efficiency compared to previous Daikin VRV heat pump systems
- New service window provides quick access to multi-functional display and configuration buttons.
- Assembled in the US to increase flexibility and reduce lead times
- Multi-functional display provides refrigerant pressures and temperatures eliminating the need to connect gauges during regular maintenance check.
- Standard Limited Warranty: 10-year limited parts warranty
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BENEFITS

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- Design flexibility with long piping lengths up to 3,280 ft. total and 100 ft. vertical separation between indoor units
- Choice of gas furnace or heat pump heating for optimizing operational costs based on utility cost.
- Engineered to optimize capital on phased & tenant fit out commercial buildings.
- Year round comfort and energy savings with Variable Refrigerant Temperature technology (VRT).
- Field performable Intermittent outdoor fan operation to help minimize snow accumulation on fan blades when the system is off.



CU-2



Submittal Data Sheet

32 TON, 230V, VRV IV X HP - RXYQ384XATJA

Project: 300 Decatur - DLR

Submitted by: ALLEN LAIRD of MID SOUTH EQPMT SL SVC LLC on 2/9/2022

Submitted to: No Engineer Name Specified

Tags: OACU- 1

PERFORMANCE

Outdoor Unit Model No.	RXYQ384XATJA	Outdoor Unit Name:	32 TON, 230V, VRV IV X HP
Type:	Heat Pump	Unit Combination:	RXYQ96XATJA + RXYQ120XATJA + RXYQ168XATJA
Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Rated Piping Length(ft):			
Rated Height Difference (ft):			
Rated Cooling Capacity (Btu/hr):	356,000	Rated Heating Capacity (Btu/hr):	396,000
Nom Cooling Capacity (Btu/hr):	368,000	Nom Heating Capacity (Btu/hr):	432,000
Cooling Input Power (kW):	41.70	Heating Input Power (kW):	31.90
EER (Non-Ducted/Ducted):	9.50 / 9.50	Heating COP (Non-Ducted/Ducted):	3.3 / 3.2
IEER (Non-Ducted/Ducted):	21.10 / 18.50	Heating COP 17F (Non-Ducted/Ducted):	2.3 / 2.3

OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 3	Compressor Stage:	Inverter
Power Supply Connections:	L1, L2, L3 Ground	Capacity Control Range (%):	13 - 100
Min. Circuit Amps MCA (A):	36.3+36.3+55.1	Capacity Index Limit:	192.0 - 499.0
Max Overcurrent Protection (MOP) (A):	45+45+60	Airflow Rate (H) (CFM):	5827+6286+8228
Max Starting Current MSC(A):		Gas Pipe Connection (inch):	1-5/8
Rated Load Amps RLA(A):	23.8+26.2+(18.8+18.8)	Liquid Pipe Connection (inch):	3/4
Dimensions (Height) (in):	66-11/16	H/L Pressure Connection (inch)	
Dimensions (Width) (in):	48-7/8+48-7/8+48-7/8	H/L Equalizing Connection (inch)	
Dimensions (Depth) (in):	30-3/16	Sound Pressure (H) (dBA):	68
Net Weight (lb):	525+528+695	Sound Power Level (dBA):	
		Max. No. of Indoor Units:	64



Submittal Data Sheet

32 TON, 230V, VRV IV X HP - RXYQ384XATJA

Project: 300 Decatur - DLR

Submitted by: ALLEN LAIRD of MID SOUTH EQPMT SL SVC LLC on 2/9/2022

Submitted to: No Engineer Name Specified

Tags: OACU- 1

SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122
Holding Refrigerant Charge (lbs):	22.7+22.9+ 17.2	Heating Operation Range (°F WB):	-4 - 60
Additional Charge (lb/ft):		Max. Pipe Length (Vertical) (ft):	295
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (°F DB):	-
Max. Pipe Length (Total) (ft):	540	Heating Range w/Baffle (°F WB):	-
Max Height Separation (Ind to Ind ft):			

DIMENSIONAL DRAWING

