



EDUS 391002 - R1\_a

**R-410A**

# Engineering Data

**VRV<sup>®</sup> III**

**RXYQ-PATJ /  
PTJUR**

**3 phase  
208-230V, 60Hz**

**DAIKIN AC (AMERICAS), INC.**

# **RXYQ-PATJ / PTJUR**

## **Heat Pump**

### **3 phase**

### **208-230V, 60Hz**

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# 1. Specifications

Model Name		RXYQ72PATJ	RXYQ96PATJ	RXYQ108PATJ
Power Supply		3 phase, 208-230V, 60Hz	3 phase, 208-230V, 60Hz	3 phase, 208-230V, 60Hz
Nominal Cooling Capacity★ <sup>1</sup>	Btu / h	72,000	96,000	108,000
Rated Cooling Capacity	Btu / h	70,000	92,000	104,000
Rated Cooling Input Power (System)	kW	5.74	8.29	9.45
Rated Full Load EER (System)★ <sup>1,3</sup>		12.2	11.1	11.0
Nominal Heating Capacity★ <sup>2</sup>	Btu / h	81,000	108,000	122,000
Rated Heating Capacity	Btu / h	77,000	103,000	116,000
Rated Heating Input Power (System)	kW	6.6	9.1	10.3
Rated Full Load COP (System)★ <sup>2,3</sup>		3.4	3.3	3.3
Casing Color		Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
Dimensions: (HxWxD)	in. (mm)	66-1/8 x 36-5/8 x 30-1/8 (1680 x 930 x765)	66-1/8 x 36-5/8 x 30-1/8 (1680 x 930 x765)	66-1/8 x 36-5/8 x 30-1/8 (1680 x 930 x765)
Heat Exchanger		Cross Fin Coil	Cross Fin Coil	Cross Fin Coil
Comp.	Type	Hermetically Sealed Scroll Type		
	Piston Displacement	m <sup>3</sup> /h	10.53+13.34	10.53+13.34
	Number of Revolutions	r.p.m	(2900, 6300)	2900, 6300
	Motor OutputxNumber of Units	kW	(4.7) x 1	(2.2+4.5) x 1
	Starting Method		Soft Start	Soft Start
Fan	Type	Propellor Fan		
	Motor Output	kW	(0.75) x 1	(0.75) x 1
	Air Flow Rate	cfm	6,530	7,060
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	in. (mm)	ϕ 3/8 (9.5) C1220T (Brazing Connection)	ϕ 1/2 (12.7) C1220T (Brazing Connection)
	Gas Pipe	in. (mm)	ϕ 3/4 (19.1) C1220T (Brazing Connection)	ϕ 7/8 (22.2) C1220T (Brazing Connection)
	Discharge Gas Pipe	in. (mm)	—	—
Mass	Lbs (kg)	560 (254)	560 (254)	560 (254)
Safety Devices		High Pressure Switch, Fan Driver Overload Protector, Overcurrent Relay, Inverter Overload Protector	High Pressure Switch, Fan Driver Overload Protector, Overcurrent Relay, Inverter Overload Protector	High Pressure Switch, Fan Driver Overload Protector, Overcurrent Relay, Inverter Overload Protector
Defrost Method		Deicer	Deicer	Deicer
Capacity Control	%	20~100	14~100	14~100
Refrigerant	Refrigerant Name	R-410A		
	Charge	Lbs (kg)	18.1(8.2)	19.8 (8.9)
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Standard Accessories		Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		C: 4D67205A	C: 4D067206A	C: 4D067207A

**Notes:**

- ★<sup>1</sup> Indoor temp. : 80°FDB (27°CDB), 67°FWB(19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25ft (7.5 m), level difference : 0 ft.
- ★<sup>2</sup> Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 47°FDB, 43°FWB ( 8.3° CDB, 6° CWB) / Equivalent piping length : 25ft (7.5 m), difference : 0 ft.
- ★<sup>3</sup> The tested system EER and COP values reflect "full load efficiency only and are the results from testing to the **Alternate Test Method** (ATM) guidelines provided by the U.S. Department of Energy (DOE) in the Federal Register / Vol. 74, No. 68 / Friday April 8, 2009 / Notices / Pages 15955-15958.

Model Name		RXYQ144PATJ	RXYQ168PATJ	RXYQ192PATJ
Model (Independent Unit)		RXYQ72PATJ RXYQ72PATJ	RXYQ72PATJ RXYQ96PATJ	RXYQ96PATJ RXYQ96PATJ
Power Supply		3 phase, 208-230V, 60Hz	3 phase, 208-230V, 60Hz	3 phase, 208-230V, 60Hz
Nominal Cooling Capacity★ <sup>1</sup>	Btu / h	144,000	168,000	192,000
Rated Cooling Capacity	Btu / h	138,000	160,000	184,000
Rated Cooling Input Power (System)	kW	11.31	14.04	17.20
Rated Full Load EER (System)★ <sup>1,3</sup>		12.2	11.4	10.7
Nominal Heating Capacity★ <sup>2</sup>	Btu / h	162,000	188,000	216,000
Rated Heating Capacity	Btu / h	154,000	180,000	206,000
Rated Heating Input Power (System)	kW	13.3	16.0	18.9
Rated Full Load COP (System)★ <sup>2,3</sup>		3.4	3.3	3.2
Casing Color		Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
Dimensions: (HxWxD)	in. (mm)	66-1/8 x 36-5/8 x 30-1/8 + 66-1/8 x 36-5/8 x 30-1/8 (1680 x 930 x765 + 1680 x 930 x765)	66-1/8 x 36-5/8 x 30-1/8 + 66-1/8 x 36-5/8 x 30-1/8 (1680 x 930 x765 + 1680 x 930 x765)	66-1/8 x 36-5/8 x 30-1/8 + 66-1/8 x 36-5/8 x 30-1/8 (1680 x 930 x765 + 1680 x 930 x765)
Heat Exchanger		Cross Fin Coil	Cross Fin Coil	Cross Fin Coil
Comp.	Type	Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m <sup>3</sup> /h	(10.53+13.34) x 2	16.90 + (10.53+13.34)
	Number of Revolutions	r.p.m	(2900, 6300) x 2	7980, (2900, 6300)
	Motor OutputxNumber of Units	kW	(4.7) x 2	(4.7) x 1 + (2.2+4.5) x 1
Starting Method		Soft Start	Soft Start	Soft Start
Fan	Type	Propellor Fan	Propellor Fan	Propellor Fan
	Motor Output	kW	(0.75) x 1 + (0.75) x 1	(0.75) x 1 + (0.75) x 1
	Air Flow Rate	cfm	6,530+6,530	6,530+6,530
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	in. (mm)	φ1/2 (12.7) C1220T (Brazing Connection)	φ5/8 (15.8) C1220T (Brazing Connection)
	High Pressure Equalizer Pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing Connection)	φ3/4 (19.1) C1220T (Brazing Connection)
	Gas Pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing Connection)	φ1-1/8 (28.6) C1220T (Brazing Connection)
	Low Pressure Gas Pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing Connection)	φ3/4 (19.1) C1220T (Brazing Connection)
Mass	Lbs (kg)	560+560 (254+254)	560+560 (254+254)	560+560 (254+254)
Safety Devices		High Pressure Switch, Fan Driver Overload Protector, Overcurrent Relay, Inverter Overload Protector	High Pressure Switch, Fan Driver Overload Protector, Overcurrent Relay, Inverter Overload Protector	High Pressure Switch, Fan Driver Overload Protector, Overcurrent Relay, Inverter Overload Protector
Defrost Method		Deicer	Deicer	Deicer
Capacity Control	%	13-100	9-100	7-100
Refrigerant	Refrigerant Name		R-410A	R-410A
	Charge	Lbs (kg)	18.1+18.1 (8.2+8.2)	18.1+19.8 (8.2+8.9)
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Standard Accessories		Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		C: 4D067208A	C: 4D067209A	C: 4D067210A

**Notes:**

- ★<sup>1</sup> Indoor temp. : 80°FDB (27°CDB), 67°FWB(19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25ft (7.5 m), level difference : 0 ft.
- ★<sup>2</sup> Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 47°FDB, 43°FWB ( 8.3° CDB, 6° CWB) / Equivalent piping length : 25ft (7.5 m), difference : 0 ft.
- ★<sup>3</sup> The tested system EER and COP values reflect "full load efficiency only and are the results from testing to the **Alternate Test Method** (ATM) guidelines provided by the U.S. Department of Energy (DOE) in the Federal Register / Vol. 74, No. 68 / Friday April 8, 2009 / Notices / Pages 15955-15958.

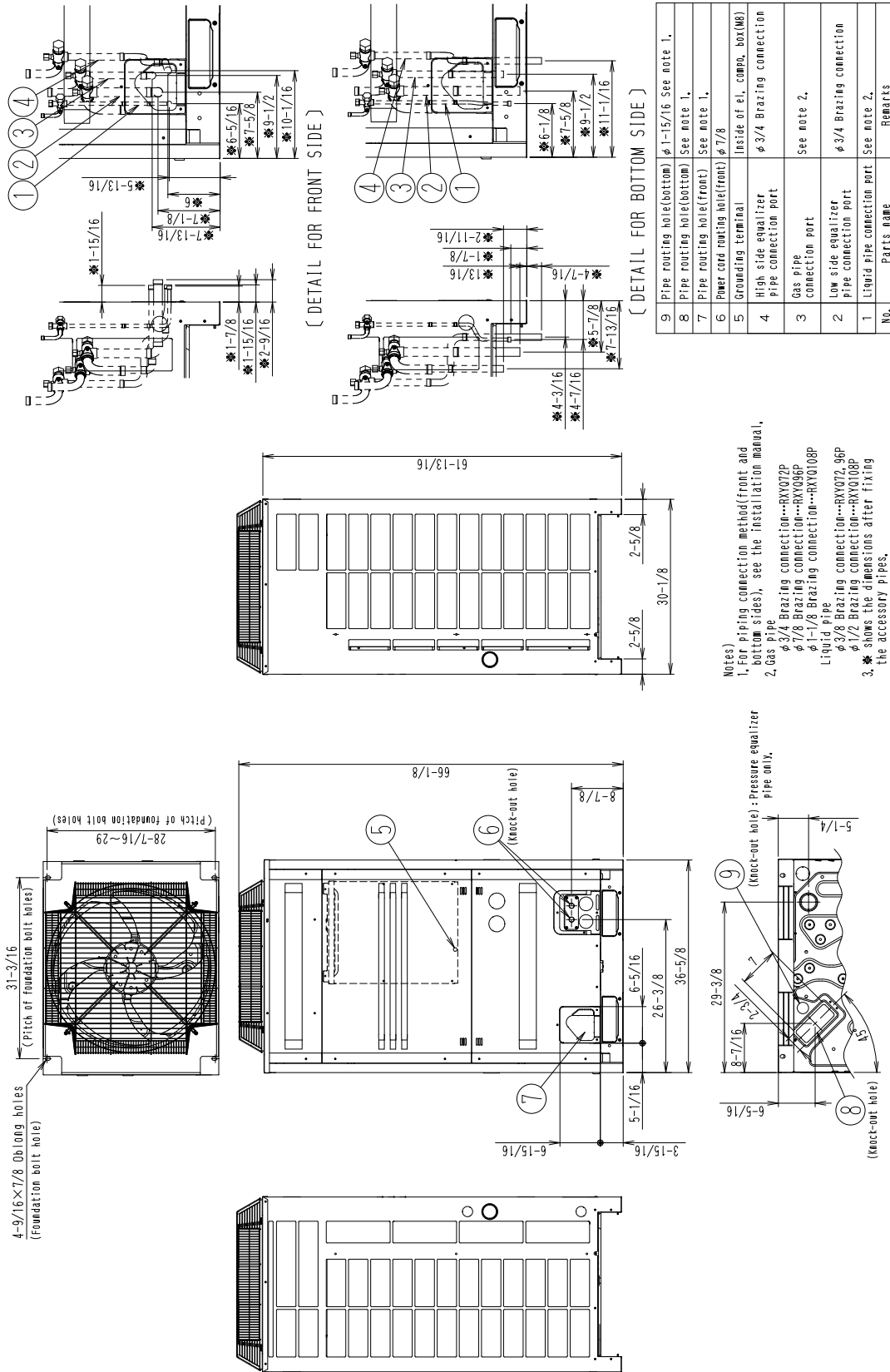
Model Name (Combination Unit)		RXYQ216PTJUR		RXYQ240PTJUR		
Model Name (Independent Unit)		RXYQ96PATJ RXYQ120PTJUR		RXYQ120PTJUR RXYQ120PTJUR		
Power Supply		3 Phase 60Hz 208V-230V		3 Phase 60Hz 208V-230V		
Nominal Cooling Capacity★ <sup>1</sup>	Btu / h	216,000		240,000		
Rated Cooling Capacity	Btu / h	206,000		240,000		
Rated Cooling Input Power (System)	kW	19.43		24.49		
Rated Full Load EER (System)★ <sup>1,3</sup>		10.60		9.80		
Nominal Heating Capacity★ <sup>2</sup>	Btu / h	243,000		270,000		
Rated Heating Capacity	Btu / h	232,000		258,000		
Rated Heating Input Power (System)	kW	21.25		23.63		
Rated Full Load COP (System)★ <sup>2,3</sup>		3.2		3.2		
Casing Color		Ivory White (5Y7.5/1)		Ivory White (5Y7.5/1)		
Dimensions: (HxWxD)	in (mm)	66-1/8 x 36-5/8 x 30-1/8" (1680 x 930 x 765 mm) + 66-1/8 x 36-5/8 x 30-1/8" (1680 x 930 x 765 mm)		66-1/8 x 36-5/8 x 30-1/8" (1680 x 930 x 765 mm) + 66-1/8 x 36-5/8 x 30-1/8" (1680 x 930 x 765 mm)		
Heat Exchanger		Cross Fin Coil		Cross Fin Coil		
Comp.	Type	Hermetically Sealed Scroll Type		Hermetically Sealed Scroll Type		
	Piston Displacement	m <sup>3</sup> /h	(10.53+13.34) x 2		(10.53+13.34) x 2	
	Number of Revolutions	r.p.m	(2900, 6300) x 2		(2900, 6300) x 2	
	Motor OutputxNumber of Units	kW	(2.2+4.5) x 1 + (3.5+4.5) x 1		(3.5+4.5) x 2	
Starting Method		Soft Start		Soft Start		
Fan	Type	Propellor Fan		Propellor Fan		
	Motor Output	kW	(0.75) x 1 + (0.75) x 1		(0.75) x 1 + (0.75) x 1	
	Air Flow Rate	cfm	6,530+7,060		7,060+7,060	
	Drive		Direct Drive		Direct Drive	
Connecting Pipes	Liquid Pipe ★ <sup>3</sup>	in (mm)	φ5/8" (15.9 mm) C1220T (Brazing Connection)		φ5/8" (15.9 mm) C1220T (Brazing Connection)	
	High Pressure Equalizer Pipe	in (mm)	φ 3/4" (19.1 mm) C1220T (Brazing Connection)		φ 3/4" (19.1 mm) C1220T (Brazing Connection)	
	Gas Pipe ★ <sup>3</sup>	in (mm)	φ 1-1/8" (28.6 mm) C1220T (Brazing Connection)		φ 1-3/8" (34.9 mm) C1220T (Brazing Connection)	
	Low Pressure Equalizer Pipe	in (mm)	φ 3/4" (19.1 mm) C1220T (Brazing Connection)		φ 3/4" (19.1 mm) C1220T (Brazing Connection)	
Mass	Lbs (kg)	560+560 lbs (254 + 254 kg)		560+560 lbs (254 + 254 kg)		
Safety Devices		High Pressure Switch, Fan Driver Overload Protector, Overcurrent Relay, Inverter Overload Protector		High Pressure Switch, Fan Driver Overload Protector, Overcurrent Relay, Inverter Overload Protector		
Defrost Method		Deicer		Deicer		
Capacity Control	%	7~100		6~100		
Refrigerant	Refrigerant Name		R-410A		R-410A	
	Charge	Lbs	19.8+20.1		20.1+20.1	
	Control		Electronic Expansion Valve		Electronic Expansion Valve	
Standard Accessories		Installation Manual, Operation Manual, Connection Pipes, Clamps		Installation Manual, Operation Manual, Connection Pipes, Clamps		
Drawing No.		4D060128		4D060129		

**Notes:**

- ★ 1 Indoor temp. : 80°FDB (27°CDB), 67°FWB(19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25ft (7.5 m), level difference : 0 ft.
- ★ 2 Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 47°FDB, 43°FWB ( 8.3° CDB, 6° CWB) / Equivalent piping length : 25ft (7.5 m), difference : 0 ft.
- ★ 3 The tested system EER and COP values reflect "full load efficiency only and are the results from testing to the **Alternate Test Method** (ATM) guidelines provided by the U.S. Department of Energy (DOE) in the Federal Register / Vol. 74, No. 68 / Friday April 8, 2009 / Notices / Pages 15955-15958.

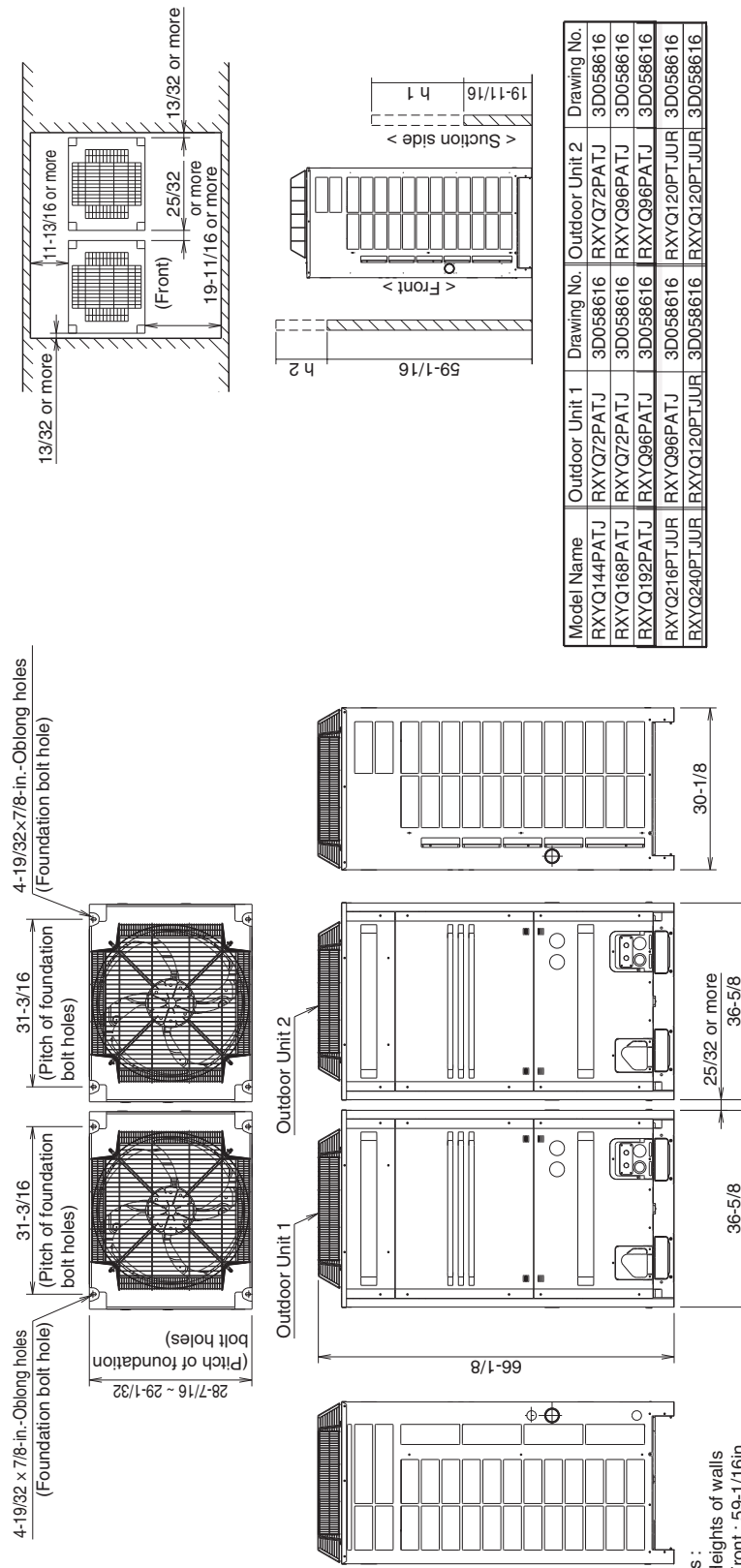
# 2. Dimensions

## RXYQ72, 96, 108PATJ



C: 3D058616B

RXYQ144, 168, 192PATJ / 216-240PTJUR



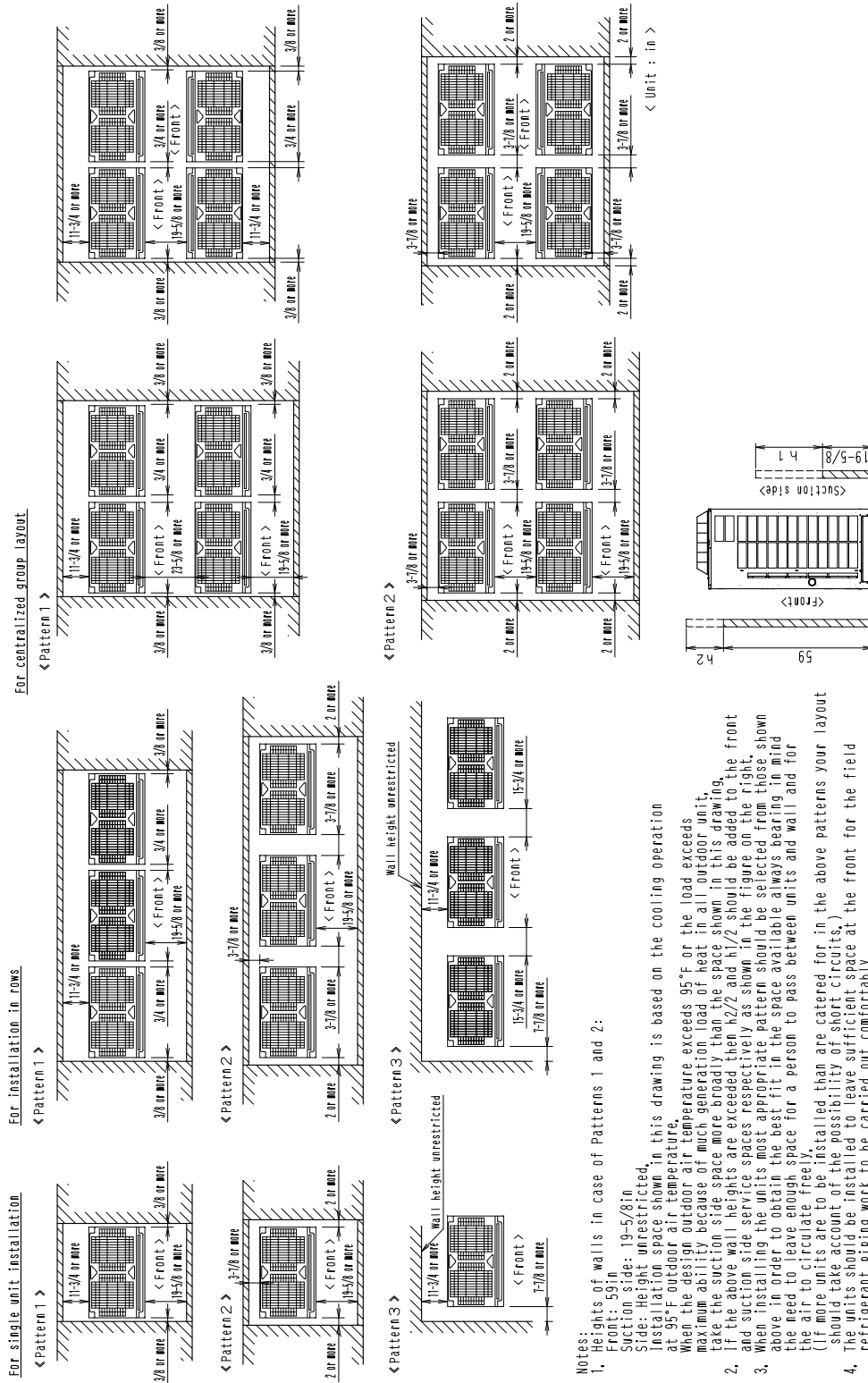
Model Name	Outdoor Unit 1	Outdoor Unit 2	Drawing No.
RXYQ144PATJ	RXYQ72PATJ	RXYQ72PATJ	3D058616
RXYQ168PATJ	RXYQ72PATJ	RXYQ96PATJ	3D058616
RXYQ192PATJ	RXYQ96PATJ	RXYQ96PATJ	3D058616
RXYQ216PTJUR	RXYQ96PATJ	RXYQ120PTJUR	3D058616
RXYQ240PTJUR	RXYQ120PTJUR	RXYQ120PTJUR	3D058616

- Notes:
1. Heights of walls  
Front : 59-1/16in  
Suction side : 19-11/16in  
Side : Height unrestricted
  - The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95°F.  
The installation space of suction side shown above must be expanded in the following case.  
- Design outdoor temperature becomes over 95°F.  
- Operating over Max. operating load (In case of causing a heavy heating load at indoor unit side)
  2. 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 following figure.
  3. When installing the units the most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.  
(If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)
  4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

C: 3D058616

### 3. Service Space

RXYQ72, 96, 108, 144, 168, 192PATJ / 216~240PTJUR

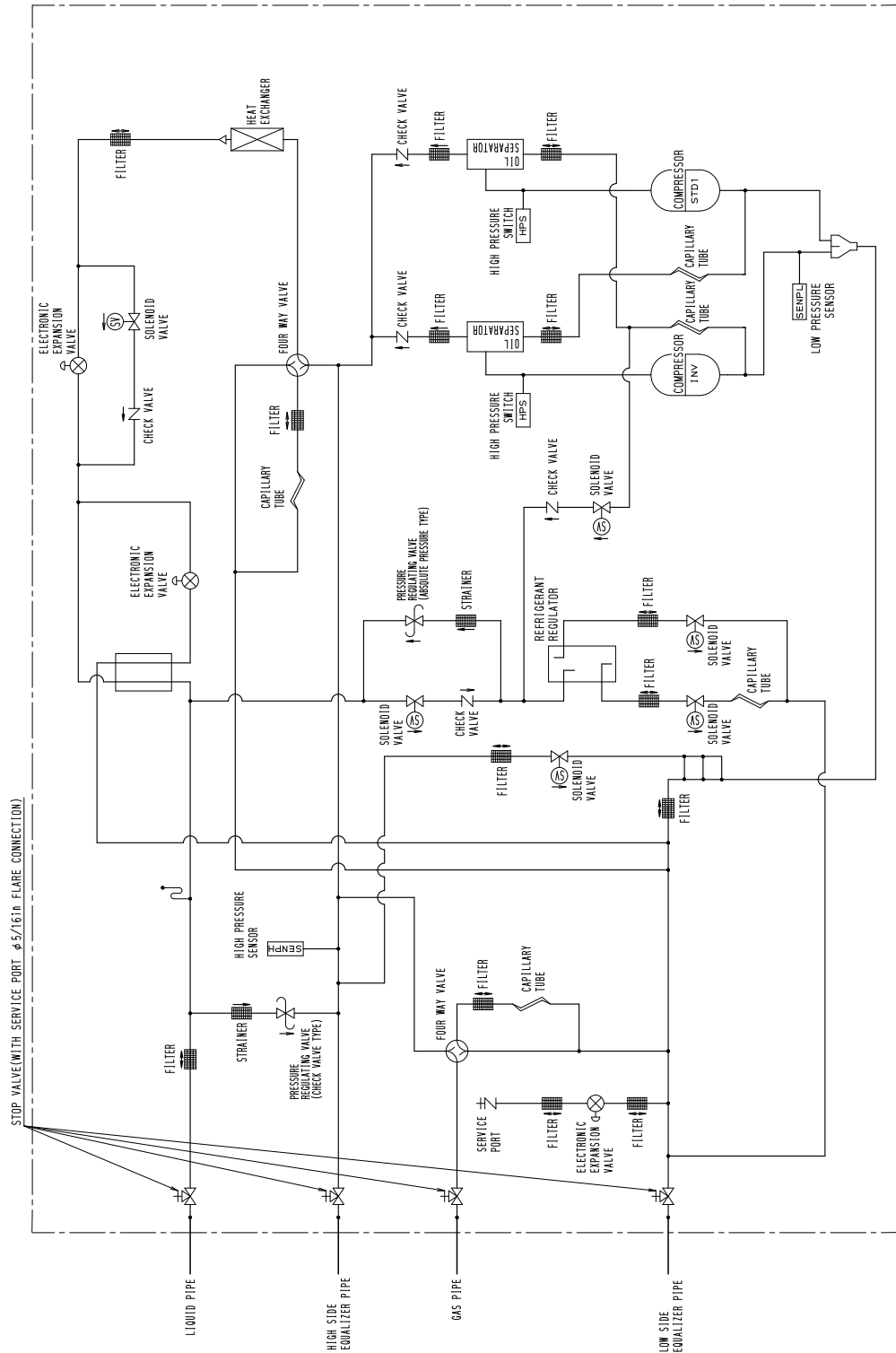


3D058620A



# 4. Piping Diagrams

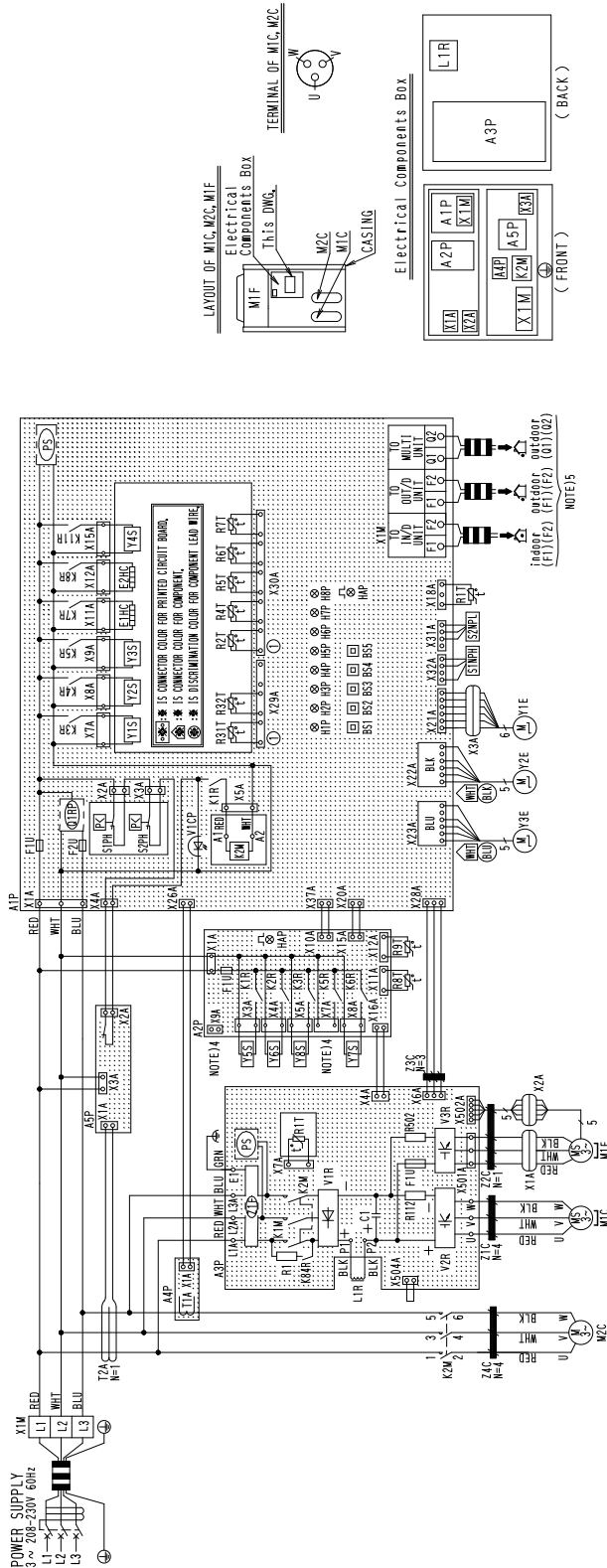
RXYQ72, 96, 108PATJ / 120PTJUR



3D058636B

# 5. Wiring Diagrams

RXYQ72, 96, 108PATJ / 120PTJUR



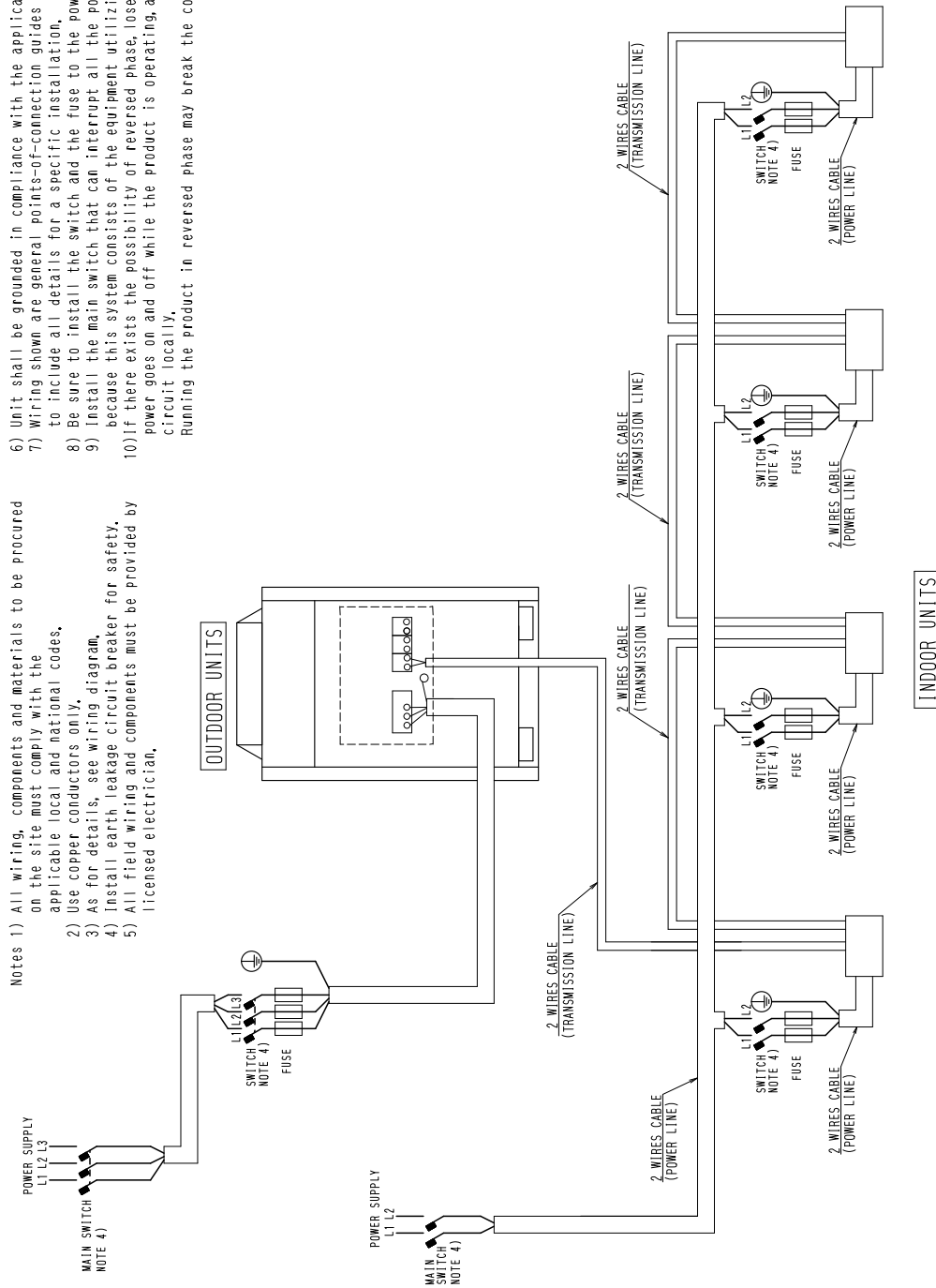
A1P	PRINTED CIRCUIT BOARD (MAIN)	Z1R	MAGNETIC RELAY (YES)	Z1Y	THERMISTOR (HEAT ETC. GAS)	Z1Z	ELECTRONIC EXPANSION VALVE (MAIN)
A2P	PRINTED CIRCUIT BOARD (SUB)	Z2R	MAGNETIC RELAY (YES)	Z2Y	THERMISTOR (HEAT ETC. GAS)	Z2Z	ELECTRONIC EXPANSION VALVE (CHARGE)
A3P	PRINTED CIRCUIT BOARD (T.M.F.A)	Z3R	MAGNETIC RELAY (YES)	Z3Y	THERMISTOR (HEAT ETC. HEATER)	Z3Z	ELECTRONIC EXPANSION VALVE (SUBSIDE)
A4P	PRINTED CIRCUIT BOARD (CURRENT SENSOR)	Z4R	MAGNETIC RELAY (YES)	Z4Y	THERMISTOR (COOL HEAT ETC. GAS)	Z4Z	SOLENOID VALVE (FMG)
A5P	PRINTED CIRCUIT BOARD (E/E)	Z5R	MAGNETIC RELAY (YES)	Z5Y	THERMISTOR (COOL HEAT ETC. LIQUID)	Z5Z	SOLENOID VALVE (FMG)
B51~5	PUSH BUTTON SWITCH (MODE SET, RETURN, TEST, RESET)	Z6R	MAGNETIC RELAY (FOR OPTION)	Z6Y	THERMISTOR (HEAT ETC. LIQUID)	Z6Z	SOLENOID VALVE (4 WAY VALVE(PIPE)
C1	CAPACITOR	Z7R	MAGNETIC RELAY (E/E)	Z7Y	THERMISTOR (SUCTION)	Z7Z	SOLENOID VALVE (4 WAY VALVE(HEAT ETC.))
E1C	ENG. ENGINE	Z8R	MAGNETIC RELAY (E/E)	Z8Y	THERMISTOR (LIQUID)	Z8Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z9R	MAGNETIC RELAY (E/E)	Z9Y	THERMISTOR (LIQUID)	Z9Z	SOLENOID VALVE (HOT GAS)
F1U	FUSE (1.3, 15A, 250V)	Z10R	MAGNETIC RELAY (YES)	Z10Y	PRESSURE SENSOR (HIGH)	Z10Z	SOLENOID VALVE (EV BYPASS)
F1U	FUSE (1.3, 15A, 250V)	Z11R	MAGNETIC RELAY (YES)	Z11Y	PRESSURE SENSOR (LOW)	Z11Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z12R	MAGNETIC RELAY (CURRENT LIMITING)	Z12Y	PRESSURE SWITCH (HIGH)	Z12Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z13R	MAGNETIC RELAY (CURRENT LIMITING)	Z13Y	SPHL SPHL	Z13Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z14R	MAGNETIC RELAY (CURRENT LIMITING)	Z14Y	SPHL SPHL	Z14Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z15R	MAGNETIC RELAY (CURRENT LIMITING)	Z15Y	SPHL SPHL	Z15Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z16R	MAGNETIC RELAY (CURRENT LIMITING)	Z16Y	SPHL SPHL	Z16Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z17R	MAGNETIC RELAY (CURRENT LIMITING)	Z17Y	SPHL SPHL	Z17Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z18R	MAGNETIC RELAY (CURRENT LIMITING)	Z18Y	SPHL SPHL	Z18Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z19R	MAGNETIC RELAY (CURRENT LIMITING)	Z19Y	SPHL SPHL	Z19Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z20R	MAGNETIC RELAY (CURRENT LIMITING)	Z20Y	SPHL SPHL	Z20Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z21R	MAGNETIC RELAY (CURRENT LIMITING)	Z21Y	SPHL SPHL	Z21Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z22R	MAGNETIC RELAY (CURRENT LIMITING)	Z22Y	SPHL SPHL	Z22Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z23R	MAGNETIC RELAY (CURRENT LIMITING)	Z23Y	SPHL SPHL	Z23Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z24R	MAGNETIC RELAY (CURRENT LIMITING)	Z24Y	SPHL SPHL	Z24Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z25R	MAGNETIC RELAY (CURRENT LIMITING)	Z25Y	SPHL SPHL	Z25Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z26R	MAGNETIC RELAY (CURRENT LIMITING)	Z26Y	SPHL SPHL	Z26Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z27R	MAGNETIC RELAY (CURRENT LIMITING)	Z27Y	SPHL SPHL	Z27Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z28R	MAGNETIC RELAY (CURRENT LIMITING)	Z28Y	SPHL SPHL	Z28Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z29R	MAGNETIC RELAY (CURRENT LIMITING)	Z29Y	SPHL SPHL	Z29Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z30R	MAGNETIC RELAY (CURRENT LIMITING)	Z30Y	SPHL SPHL	Z30Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z31R	MAGNETIC RELAY (CURRENT LIMITING)	Z31Y	SPHL SPHL	Z31Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z32R	MAGNETIC RELAY (CURRENT LIMITING)	Z32Y	SPHL SPHL	Z32Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z33R	MAGNETIC RELAY (CURRENT LIMITING)	Z33Y	SPHL SPHL	Z33Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z34R	MAGNETIC RELAY (CURRENT LIMITING)	Z34Y	SPHL SPHL	Z34Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z35R	MAGNETIC RELAY (CURRENT LIMITING)	Z35Y	SPHL SPHL	Z35Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z36R	MAGNETIC RELAY (CURRENT LIMITING)	Z36Y	SPHL SPHL	Z36Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z37R	MAGNETIC RELAY (CURRENT LIMITING)	Z37Y	SPHL SPHL	Z37Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z38R	MAGNETIC RELAY (CURRENT LIMITING)	Z38Y	SPHL SPHL	Z38Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z39R	MAGNETIC RELAY (CURRENT LIMITING)	Z39Y	SPHL SPHL	Z39Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z40R	MAGNETIC RELAY (CURRENT LIMITING)	Z40Y	SPHL SPHL	Z40Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z41R	MAGNETIC RELAY (CURRENT LIMITING)	Z41Y	SPHL SPHL	Z41Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z42R	MAGNETIC RELAY (CURRENT LIMITING)	Z42Y	SPHL SPHL	Z42Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z43R	MAGNETIC RELAY (CURRENT LIMITING)	Z43Y	SPHL SPHL	Z43Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z44R	MAGNETIC RELAY (CURRENT LIMITING)	Z44Y	SPHL SPHL	Z44Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z45R	MAGNETIC RELAY (CURRENT LIMITING)	Z45Y	SPHL SPHL	Z45Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z46R	MAGNETIC RELAY (CURRENT LIMITING)	Z46Y	SPHL SPHL	Z46Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z47R	MAGNETIC RELAY (CURRENT LIMITING)	Z47Y	SPHL SPHL	Z47Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z48R	MAGNETIC RELAY (CURRENT LIMITING)	Z48Y	SPHL SPHL	Z48Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z49R	MAGNETIC RELAY (CURRENT LIMITING)	Z49Y	SPHL SPHL	Z49Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z50R	MAGNETIC RELAY (CURRENT LIMITING)	Z50Y	SPHL SPHL	Z50Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z51R	MAGNETIC RELAY (CURRENT LIMITING)	Z51Y	SPHL SPHL	Z51Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z52R	MAGNETIC RELAY (CURRENT LIMITING)	Z52Y	SPHL SPHL	Z52Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z53R	MAGNETIC RELAY (CURRENT LIMITING)	Z53Y	SPHL SPHL	Z53Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z54R	MAGNETIC RELAY (CURRENT LIMITING)	Z54Y	SPHL SPHL	Z54Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z55R	MAGNETIC RELAY (CURRENT LIMITING)	Z55Y	SPHL SPHL	Z55Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z56R	MAGNETIC RELAY (CURRENT LIMITING)	Z56Y	SPHL SPHL	Z56Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z57R	MAGNETIC RELAY (CURRENT LIMITING)	Z57Y	SPHL SPHL	Z57Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z58R	MAGNETIC RELAY (CURRENT LIMITING)	Z58Y	SPHL SPHL	Z58Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z59R	MAGNETIC RELAY (CURRENT LIMITING)	Z59Y	SPHL SPHL	Z59Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z60R	MAGNETIC RELAY (CURRENT LIMITING)	Z60Y	SPHL SPHL	Z60Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z61R	MAGNETIC RELAY (CURRENT LIMITING)	Z61Y	SPHL SPHL	Z61Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z62R	MAGNETIC RELAY (CURRENT LIMITING)	Z62Y	SPHL SPHL	Z62Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z63R	MAGNETIC RELAY (CURRENT LIMITING)	Z63Y	SPHL SPHL	Z63Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z64R	MAGNETIC RELAY (CURRENT LIMITING)	Z64Y	SPHL SPHL	Z64Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z65R	MAGNETIC RELAY (CURRENT LIMITING)	Z65Y	SPHL SPHL	Z65Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z66R	MAGNETIC RELAY (CURRENT LIMITING)	Z66Y	SPHL SPHL	Z66Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z67R	MAGNETIC RELAY (CURRENT LIMITING)	Z67Y	SPHL SPHL	Z67Z	SOLENOID VALVE (FMG)
F1U	FUSE (1.3, 15A, 250V)	Z68R	MAGNETIC RELAY (CURRENT LIMITING)	Z68Y	SPHL SPHL	Z68Z	SOLENOID VALVE (FMG)

# 6. Field Wiring

## RXYQ72, 96, 108PATJ

- Notes 1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes, use copper conductors only.
- 2) Use copper conductors only.
- 3) As for details, see wiring diagram.
- 4) Install earth leakage circuit breaker for safety.
- 5) All field wiring and components must be provided by licensed electrician.
- 6) Unit shall be grounded in compliance with the applicable local and national codes.
- 7) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
- 8) Be sure to install the switch and the fuse to the power line of each equipment.
- 9) Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
- 10) If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally.
- Running the product in reversed phase may break the compressor and other parts.

- Notes 1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes, use copper conductors only.
- 2) Use copper conductors only.
- 3) As for details, see wiring diagram.
- 4) Install earth leakage circuit breaker for safety.
- 5) All field wiring and components must be provided by licensed electrician.

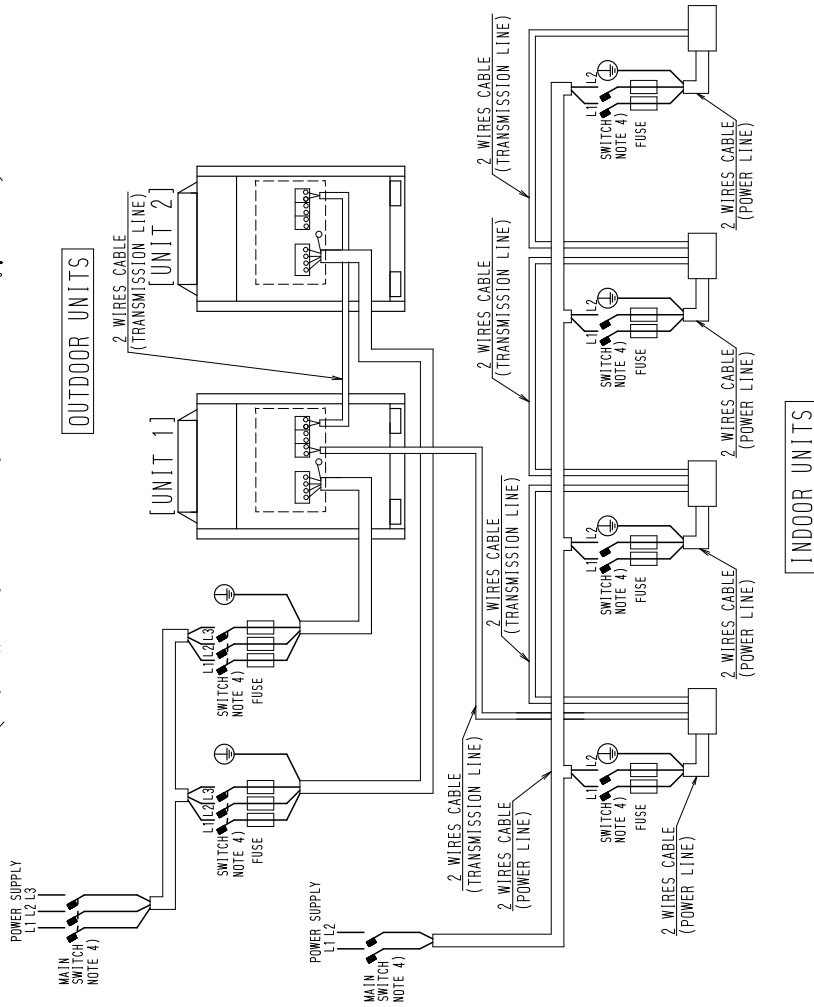


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RXYQ144, 168, 192PATJ / 216-240PTJUR

- Notes 1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes, use copper conductors only.
- 2) Use copper conductors only.
- 3) As for details, see wiring diagram.
- 4) Install earth leakage circuit breaker for safety.
- 5) All field wiring and components must be provided by licensed electrician.
- 6) Unit shall be grounded in compliance with the applicable local and national codes.
- 7) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
- 8) Be sure to install the switch and the fuse to the power line of each equipment.
- 9) Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
- 10) The capacity of UNIT1 must be larger than UNIT2 when the power source is connected in series between the units.
- 11) If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally.
- Running the product in reversed phase may break the compressor and other parts.

When the power source is supplied to each outdoor unit individually.

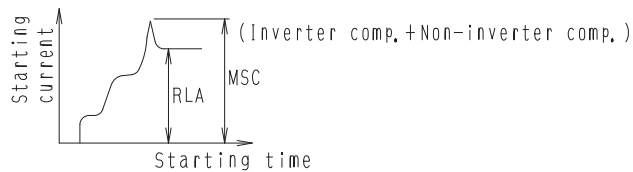


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## 7. Electric Characteristics

Model Name	Units				Power supply		Comp.		OFM	
	Hz	Volts	Min.	Max.	MCA	MOP	MSC	RLA	KW	FLA
RXYQ72PATJ	60	208-230	187	253	36.1	40	131	14.2	0.75	1.2
RXYQ96PATJ	60	208-230	187	253	36.1	50	131	7.8+16.8	0.75	1.6
RXYQ108PATJ	60	208-230	187	253	41.3	60	132	12.2+16.8	0.75	2.0

The relationship between the starting time and the starting current,



Notes:

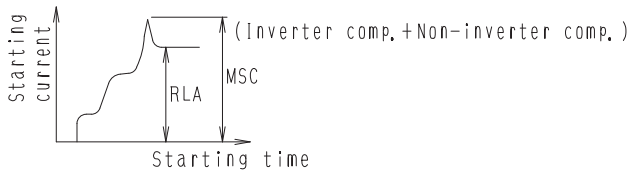
1. RLA is based on the following conditions.  
Indoor temp, 80°FDB/67°F WB  
Outdoor temp, 95°F DB
2. MSC means the Max. current during the starting of compressor.
3. Voltage range  
Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
4. Maximum allowable voltage variation between phases is 2%.
5. Select wire size based on the value of MCA.
6. MOP is used to select the circuit breaker and the ground fault circuit interrupter

Symbols:

- MCA :Min. Circuit Amps. (A)
- MOP : Maximum Overcurrent Protection (A)
- MSC :Max. Starting current
- RLA :Rated Load Amps. (A)
- OFM :Outdoor Fan Motor
- FLA :Full Load Amps. (A)
- kW :Rated Motor Output(kW)

Combination Unit	Model Name		Units				Power supply			Comp.		OFM	
	Independent Unit		Hz	Volts	Min.	Max.	MCA	MOP	MSC	RLA	KW	FLA	
RXYQ144PATJ	RXYQ72PATJ	RXYQ72PATJ	60	208-230	187	253	36.1+36.1	40 + 40	137	14.2+14.2	0.75+0.75	1.2+1.2	
RXYQ168PATJ	RXYQ72PATJ	RXYQ96PATJ	60	208-230	187	253	36.1+36.1	40 + 50	137	14.2+7.8+16.8	0.75+0.75	1.2+1.6	
RXYQ192PATJ	RXYQ96PATJ	RXYQ96PATJ	60	208-230	187	253	36.1+36.1	50 + 50	138	7.8+16.8+7.8+16.8	0.75+0.75	1.6+1.6	
RXYQ216PTJUR	RXYQ96PATJ	RXYQ120PTJUR	60	208-230	187	253	36.1 + 41.3	50 + 60	154	7.8+16.8 +12.2+16.8	0.75+0.75	1.6 + 2.0	
RXYQ240PTJUR	RXYQ120PTJUR	RXYQ120PTJUR	60	208-230	187	253	41.3 + 41.3	60 + 60	155	12.2+16.8+12.2+16.8	0.75 +0.75	2.0 +2.0	

The relationship between the starting time and the starting current.



Notes:

1. RLA is based on the following conditions,  
Indoor temp, 80°F DB/67, 0°F WB  
Outdoor temp, 95°F DB
2. MSC means the Max. current during the starting of compressor.
3. Voltage range  
Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
4. Maximum allowable voltage variation between phases is 2%.
5. Select wire size based on the value of MCA.
- 6 MOP is used to select the circuit breaker

Symbols:

- MCA : Minimum Circuit Amps (A)
- MOP :Maximum Overcurrent Protection (A)
- MSC :Max, Starting current
- RLA :Rated Load Amps, (A)
- OFM :Outdoor Fan Motor
- FLA :Full Load Amps, (A)
- kW :Rated Motor Output(kW)

## 8. Performance

With these new models Daikin can publish full load EER and COP ratings reflective of a complete system comprised of an outdoor unit and ducted indoor units for the new VRV III product portfolio. Ducted indoor units were chosen to provide complete transparency to the market place and ensure both ducted and ductless combinations meet the minimum efficiency levels.

The VRV III PA RXYQ\_PATJ outdoor unit shall perform as indicated below.

The tested system EER and COP values reflect “full load” efficiency only and are the results from testing to the “Alternate Test Method” (ATM) guidelines provided by the U.S. Department of Energy (DOE) in the Federal Register / Vol. 74, No. 68 / Friday April 10, 2009 / Notices / Pages 16373 – 16377. All tested values surpass the minimum efficiency levels regulated in the DOE Code of Federal Regulation 10 CFR Ch. II § 431.97.

<b>Model Number</b>	<b>EER</b>
RXYQ72PATJ	12.2
RXYQ96PATJ	11.1
RXYQ108PATJ	11.0
RXYQ144PATJ	12.2
RXYQ168PATJ	11.4
RXYQ192PATJ	10.7
RXYQ216PTJUR	10.6
RXYQ240PTJUR	9.8

<b>Model Number</b>	<b>COP</b>
RXYQ72PATJ	3.4
RXYQ96PATJ	3.3
RXYQ108PATJ	3.3
RXYQ144PATJ	3.4
RXYQ168PATJ	3.3
RXYQ192PATJ	3.2
RXYQ216PTJUR	3.2
RXYQ240PTJUR	3.2

### Performance Conditions

Cooling: indoor temp. of 80°F DB, 67°F WB and outdoor temp. of 95°F DB.

Heating: indoor temp. of 70°F DB and outdoor temp. of 47°F DB, 43°F WB.

Equivalent piping length: 25ft

# 9. Capacity Tables (Reference Data)

## 9.1 Cooling Capacity (RXYQ-PATJ / PTJUR)

These tables are based on projection. Actual results may vary according to conditions of use.

### RXYQ72PATJ

Outdoor air temp. (°F/DB)	Indoor air temp. °F/WB														
	64			67			70			72			75		
	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH
50	60.7	2.38	3.44	60.7	3.57	32.5	60.7	3.62	33.8	60.7	3.68	35.6	60.7	3.75	37.0
54	60.7	2.43	3.51	60.7	3.64	33.2	60.7	3.70	35.1	60.7	3.77	37.0	60.7	3.84	38.3
58	60.7	2.48	3.58	60.7	3.71	32.7	60.7	3.77	34.6	60.7	3.84	37.0	60.7	3.91	39.6
62	60.7	2.53	3.65	60.7	3.78	32.2	60.7	3.84	34.1	60.7	3.91	37.0	60.7	3.98	41.9
66	60.7	2.59	3.72	60.7	3.85	31.7	60.7	3.91	33.6	60.7	3.98	37.0	60.7	4.05	44.2
70	60.7	2.67	3.80	60.7	3.93	31.2	60.7	4.00	33.1	60.7	4.07	37.0	60.7	4.14	46.5
72	60.7	2.77	3.89	60.7	4.02	30.7	60.7	4.09	32.6	60.7	4.16	37.0	60.7	4.23	48.8
74	60.7	2.87	3.98	60.7	4.11	30.2	60.7	4.18	32.1	60.7	4.25	37.0	60.7	4.32	51.1
76	60.7	2.97	4.07	60.7	4.20	29.7	60.7	4.27	31.6	60.7	4.34	37.0	60.7	4.41	53.4
78	60.7	3.07	4.16	60.7	4.29	29.2	60.7	4.36	31.1	60.7	4.43	37.0	60.7	4.50	55.7
80	60.7	3.17	4.25	60.7	4.38	28.7	60.7	4.45	30.6	60.7	4.52	37.0	60.7	4.59	58.0
82	60.7	3.27	4.34	60.7	4.47	28.2	60.7	4.54	30.1	60.7	4.61	37.0	60.7	4.68	60.3
84	60.7	3.37	4.43	60.7	4.56	27.7	60.7	4.63	29.6	60.7	4.70	37.0	60.7	4.77	62.6
86	60.7	3.47	4.52	60.7	4.65	27.2	60.7	4.72	29.1	60.7	4.79	37.0	60.7	4.86	64.9
88	60.7	3.57	4.61	60.7	4.74	26.7	60.7	4.81	28.6	60.7	4.88	37.0	60.7	4.95	67.2
90	60.7	3.67	4.70	60.7	4.83	26.2	60.7	4.90	28.1	60.7	4.97	37.0	60.7	5.04	69.5
92	60.7	3.77	4.79	60.7	4.92	25.7	60.7	4.99	27.6	60.7	5.03	37.0	60.7	5.13	71.8
94	60.7	3.87	4.88	60.7	5.01	25.2	60.7	5.08	27.1	60.7	5.12	37.0	60.7	5.22	74.1
96	60.7	3.97	4.97	60.7	5.10	24.7	60.7	5.17	26.6	60.7	5.21	37.0	60.7	5.31	76.4
98	60.7	4.07	5.06	60.7	5.19	24.2	60.7	5.26	26.1	60.7	5.30	37.0	60.7	5.40	78.7
100	60.7	4.17	5.15	60.7	5.28	23.7	60.7	5.35	25.6	60.7	5.39	37.0	60.7	5.49	81.0
103	60.7	4.32	5.35	60.7	5.48	22.7	60.7	5.54	24.6	60.7	5.58	37.0	60.7	5.68	86.4
50	51.4	1.84	2.65	51.4	2.71	24.4	51.4	2.77	25.7	51.4	2.83	27.0	51.4	2.89	28.4
54	51.4	1.96	2.82	51.4	2.88	23.9	51.4	2.94	27.0	51.4	3.00	28.4	51.4	3.06	29.9
58	51.4	2.08	2.99	51.4	3.05	23.4	51.4	3.11	28.5	51.4	3.17	29.9	51.4	3.23	31.4
62	51.4	2.20	3.16	51.4	3.22	22.9	51.4	3.28	29.6	51.4	3.34	31.4	51.4	3.40	32.9
66	51.4	2.32	3.33	51.4	3.39	22.4	51.4	3.44	30.7	51.4	3.50	32.9	51.4	3.56	34.4
70	51.4	2.44	3.50	51.4	3.56	21.9	51.4	3.62	31.8	51.4	3.68	34.4	51.4	3.74	35.9
72	51.4	2.56	3.67	51.4	3.73	21.4	51.4	3.78	32.9	51.4	3.84	35.9	51.4	3.90	37.4
74	51.4	2.68	3.84	51.4	3.90	20.9	51.4	3.84	34.0	51.4	3.90	37.4	51.4	3.96	38.9
76	51.4	2.80	4.01	51.4	4.07	20.4	51.4	4.13	35.1	51.4	4.19	38.9	51.4	4.25	40.4
78	51.4	2.92	4.18	51.4	4.24	19.9	51.4	4.30	36.2	51.4	4.36	40.4	51.4	4.42	41.9
80	51.4	3.04	4.35	51.4	4.41	19.4	51.4	4.36	37.3	51.4	4.42	41.9	51.4	4.48	43.4
82	51.4	3.16	4.52	51.4	4.58	18.9	51.4	4.42	38.4	51.4	4.48	43.4	51.4	4.54	44.9
84	51.4	3.28	4.69	51.4	4.75	18.4	51.4	4.48	39.5	51.4	4.54	44.9	51.4	4.60	46.4
86	51.4	3.40	4.86	51.4	4.92	17.9	51.4	4.54	40.6	51.4	4.60	46.4	51.4	4.66	47.9
88	51.4	3.52	5.03	51.4	5.09	17.4	51.4	4.60	41.7	51.4	4.66	47.9	51.4	4.72	49.4
90	51.4	3.64	5.20	51.4	5.26	16.9	51.4	4.66	42.8	51.4	4.72	49.4	51.4	4.78	50.9
92	51.4	3.76	5.37	51.4	5.43	16.4	51.4	4.72	43.9	51.4	4.78	50.9	51.4	4.84	52.4
94	51.4	3.88	5.54	51.4	5.60	15.9	51.4	4.78	45.0	51.4	4.84	52.4	51.4	4.90	53.9
96	51.4	4.00	5.71	51.4	5.77	15.4	51.4	4.84	46.1	51.4	4.90	53.9	51.4	4.96	55.4
98	51.4	4.12	5.88	51.4	5.94	14.9	51.4	4.90	47.2	51.4	4.96	55.4	51.4	5.02	56.9
100	51.4	4.24	6.05	51.4	6.11	14.4	51.4	4.96	48.3	51.4	5.02	56.9	51.4	5.08	58.4
103	51.4	4.40	6.38	51.4	6.44	13.4	51.4	5.02	50.4	51.4	5.08	58.4	51.4	5.14	60.9

TC: Total capacity ; MBH  
 PI: Power Input ; kW (Comp.+Outdoor fan motor)  
 Note 1 : The above table shows the average value of conditions which may occur.



RXYQ96PATJ

Combi- nation (%)	Outdoor air temp. (°F/DB)	Indoor air temp. -FWB												Cooling capacity	
		57			61			64			67				
		TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH		
90	50	56.1	2.85	68.2	3.13	77.3	3.59	86.4	4.08	95.5	4.57	102	4.91	111	5.42
	54	56.1	2.80	68.2	3.12	77.3	3.57	86.4	4.16	95.5	4.67	102	5.01	111	5.54
	58	56.1	2.75	68.2	3.12	77.3	3.56	86.4	4.25	95.5	4.77	102	5.06	111	5.59
	62	56.1	2.70	68.2	3.12	77.3	3.56	86.4	4.34	95.5	4.87	102	5.11	111	5.64
	66	56.1	2.65	68.2	3.12	77.3	3.56	86.4	4.43	95.5	4.97	102	5.16	111	5.69
	70	56.1	2.60	68.2	3.12	77.3	3.56	86.4	4.52	95.5	5.07	102	5.21	111	5.74
	74	56.1	2.55	68.2	3.12	77.3	3.56	86.4	4.61	95.5	5.17	102	5.26	111	5.79
	78	56.1	2.50	68.2	3.12	77.3	3.56	86.4	4.70	95.5	5.27	102	5.31	111	5.84
	82	56.1	2.45	68.2	3.12	77.3	3.56	86.4	4.79	95.5	5.37	102	5.36	111	5.89
	86	56.1	2.40	68.2	3.12	77.3	3.56	86.4	4.88	95.5	5.47	102	5.41	111	5.94
80	50	56.1	4.32	68.2	6.01	77.3	7.18	86.4	8.45	92.4	9.27	83.6	9.31	95.3	9.38
	54	49.8	2.27	60.6	2.71	68.7	3.16	76.8	3.57	84.9	4.00	90.3	4.29	98.4	4.83
	58	49.8	2.25	60.6	2.81	68.7	3.22	76.8	3.62	84.9	4.08	90.3	4.37	98.4	4.93
	62	49.8	2.23	60.6	2.83	68.7	3.25	76.8	3.68	84.9	4.16	90.3	4.47	98.4	5.04
	66	49.8	2.21	60.6	2.85	68.7	3.28	76.8	3.72	84.9	4.25	90.3	4.57	98.4	5.15
	70	49.8	2.19	60.6	2.87	68.7	3.31	76.8	3.78	84.9	4.34	90.3	4.67	98.4	5.26
	74	49.8	2.17	60.6	2.89	68.7	3.34	76.8	3.83	84.9	4.43	90.3	4.77	98.4	5.37
	78	49.8	2.15	60.6	2.91	68.7	3.37	76.8	3.88	84.9	4.52	90.3	4.87	98.4	5.48
	82	49.8	2.13	60.6	2.93	68.7	3.40	76.8	3.93	84.9	4.61	90.3	4.97	98.4	5.59
	86	49.8	2.11	60.6	2.95	68.7	3.43	76.8	3.98	84.9	4.70	90.3	5.07	98.4	5.70
70	50	43.6	2.00	53.0	2.45	60.1	2.78	67.2	3.06	74.3	3.44	79.0	3.69	86.1	4.06
	54	43.6	1.98	53.0	2.46	60.1	2.79	67.2	3.07	74.3	3.45	79.0	3.70	86.1	4.07
	58	43.6	1.96	53.0	2.47	60.1	2.80	67.2	3.08	74.3	3.46	79.0	3.71	86.1	4.08
	62	43.6	1.94	53.0	2.48	60.1	2.81	67.2	3.09	74.3	3.47	79.0	3.72	86.1	4.09
	66	43.6	1.92	53.0	2.49	60.1	2.82	67.2	3.10	74.3	3.48	79.0	3.73	86.1	4.10
	70	43.6	1.90	53.0	2.50	60.1	2.83	67.2	3.11	74.3	3.49	79.0	3.74	86.1	4.11
	74	43.6	1.88	53.0	2.51	60.1	2.84	67.2	3.12	74.3	3.50	79.0	3.75	86.1	4.12
	78	43.6	1.86	53.0	2.52	60.1	2.85	67.2	3.13	74.3	3.51	79.0	3.76	86.1	4.13
	82	43.6	1.84	53.0	2.53	60.1	2.86	67.2	3.14	74.3	3.52	79.0	3.77	86.1	4.14
	86	43.6	1.82	53.0	2.54	60.1	2.87	67.2	3.15	74.3	3.53	79.0	3.78	86.1	4.15
60	50	37.4	1.74	45.5	2.08	51.5	2.34	57.6	2.62	63.7	2.91	67.7	3.17	73.8	3.41
	54	37.4	1.72	45.5	2.09	51.5	2.35	57.6	2.63	63.7	2.92	67.7	3.18	73.8	3.42
	58	37.4	1.70	45.5	2.10	51.5	2.36	57.6	2.64	63.7	2.93	67.7	3.19	73.8	3.43
	62	37.4	1.68	45.5	2.11	51.5	2.37	57.6	2.65	63.7	2.94	67.7	3.20	73.8	3.44
	66	37.4	1.66	45.5	2.12	51.5	2.38	57.6	2.66	63.7	2.95	67.7	3.21	73.8	3.45
	70	37.4	1.64	45.5	2.13	51.5	2.39	57.6	2.67	63.7	2.96	67.7	3.22	73.8	3.46
	74	37.4	1.62	45.5	2.14	51.5	2.40	57.6	2.68	63.7	2.97	67.7	3.23	73.8	3.47
	78	37.4	1.60	45.5	2.15	51.5	2.41	57.6	2.69	63.7	2.98	67.7	3.24	73.8	3.48
	82	37.4	1.58	45.5	2.16	51.5	2.42	57.6	2.70	63.7	2.99	67.7	3.25	73.8	3.49
	86	37.4	1.56	45.5	2.17	51.5	2.43	57.6	2.71	63.7	3.00	67.7	3.26	73.8	3.50

TC : Total capacity ; MBH  
 PI : Power Input ; kW (Comp.+Outdoor fan motor)  
 Note1 : The above table shows the average value of conditions which may occur.



**RXYQ144PATJ**

Combi- nation (%)	Outdoor air temp. (°F/DB)	Indoor air temp. -FWB										Cooling capacity				
		67					70									
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI					
90	50	50	84.1	3.20	102	3.93	116	4.51	130	5.12	143	5.74	152	6.17	166	6.81
	54	84.1	3.20	102	4.01	116	4.61	130	5.22	143	5.86	152	6.29	168	6.95	
	58	84.1	3.20	102	4.18	116	4.80	130	5.46	143	6.10	152	6.57	170	7.26	
	62	84.1	3.20	102	4.36	116	5.01	130	5.72	143	6.35	152	6.94	176	7.77	
	66	84.1	3.20	102	4.56	116	5.29	130	6.05	143	6.74	152	7.41	184	8.32	
	70	84.1	3.20	102	4.79	116	5.61	130	6.44	143	7.15	152	7.93	194	9.14	
	72	84.1	3.20	102	5.05	116	6.00	130	6.83	143	7.60	152	8.48	206	10.00	
	75	84.1	3.20	102	5.35	116	6.52	130	7.44	143	8.35	152	9.26	222	11.11	
80	50	74.8	2.90	90.9	3.57	103	3.96	115	4.48	127	5.02	135	5.38	148	5.94	
	54	74.8	2.90	90.9	3.60	103	4.04	115	4.57	127	5.12	135	5.49	148	6.07	
	58	74.8	2.90	90.9	3.68	103	4.12	115	4.67	127	5.23	135	5.61	148	6.20	
	62	74.8	2.90	90.9	3.75	103	4.21	115	4.77	127	5.34	135	5.73	148	6.33	
	66	74.8	2.90	90.9	3.83	103	4.30	115	4.87	127	5.46	135	5.86	148	6.52	
	70	74.8	2.90	90.9	3.96	103	4.49	115	5.06	127	5.71	135	6.23	148	7.06	
	72	74.8	2.90	90.9	4.16	103	4.69	115	5.32	127	5.95	135	6.55	148	7.54	
	75	74.8	2.90	90.9	4.38	103	5.04	115	5.82	127	6.27	135	7.04	148	8.38	
70	50	65.4	2.51	79.6	3.08	102	3.50	111	3.87	121	4.32	128	4.65	139	5.10	
	54	65.4	2.51	79.6	3.14	102	3.57	111	4.03	121	4.50	128	4.82	139	5.31	
	58	65.4	2.51	79.6	3.20	102	3.64	111	4.11	121	4.59	128	4.92	139	5.55	
	62	65.4	2.51	79.6	3.26	102	3.72	111	4.29	121	4.69	128	5.03	139	5.82	
	66	65.4	2.51	79.6	3.33	102	3.80	111	4.39	121	4.79	128	5.16	139	6.05	
	70	65.4	2.51	79.6	3.36	102	3.84	111	4.43	121	4.83	128	5.21	139	6.29	
	72	65.4	2.51	79.6	3.41	102	3.95	111	4.56	121	4.90	128	5.29	139	6.40	
	75	65.4	2.51	79.6	3.49	102	4.04	111	4.68	121	5.01	128	5.36	139	6.64	
60	50	56.1	2.19	68.2	2.61	77.3	2.94	86.4	3.29	95.5	3.65	102	3.90	111	4.29	
	54	56.1	2.19	68.2	2.65	77.3	2.99	86.4	3.35	95.5	3.72	102	3.96	111	4.37	
	58	56.1	2.19	68.2	2.70	77.3	3.05	86.4	3.42	95.5	3.80	102	4.04	111	4.46	
	62	56.1	2.19	68.2	2.75	77.3	3.11	86.4	3.48	95.5	3.87	102	4.11	111	4.56	
	66	56.1	2.19	68.2	2.82	77.3	3.22	86.4	3.55	95.5	3.95	102	4.23	111	4.68	
	70	56.1	2.19	68.2	2.88	77.3	3.26	86.4	3.63	95.5	4.03	102	4.37	111	4.88	
	72	56.1	2.19	68.2	2.92	77.3	3.31	86.4	3.74	95.5	4.05	102	4.40	111	5.05	
	75	56.1	2.19	68.2	3.04	77.3	3.51	86.4	4.02	95.5	4.32	102	4.61	111	5.36	

TC : Total capacity ; MBH  
 PI : Power Input ; kW (Comp.+Outdoor fan motor)  
 Note1 : The above table shows the average value of conditions which may occur.

RXYQ168PATJ

Cooling capacity	Outdoor air temp. (°F/DB)	Indoor air temp. -FWB														
		64			67			70			72			75		
		TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH
90	50	98.1	4.15	119	5.10	135	5.85	151	6.64	167	7.44	178	7.99	184	8.33	
	54	98.1	4.22	119	5.20	135	5.97	151	6.77	167	7.60	178	8.16	184	8.50	
	58	98.1	4.30	119	5.31	135	6.07	151	6.92	167	7.76	178	8.32	184	8.64	
	62	98.1	4.38	119	5.41	135	6.22	151	7.07	167	7.92	178	8.48	184	8.78	
	66	98.1	4.48	119	5.53	135	6.36	151	7.22	167	8.11	178	8.66	184	9.01	
	70	98.1	4.57	119	5.65	135	6.50	151	7.38	167	8.26	178	8.82	184	9.15	
	74	98.1	4.62	119	5.71	135	6.57	151	7.45	167	8.33	178	8.89	184	9.22	
	78	98.1	4.70	119	6.02	135	7.13	151	8.34	167	9.11	178	9.57	184	9.66	
	82	98.1	5.04	119	6.47	135	7.67	151	8.96	167	10.14	178	11.4	184	10.8	
	86	98.1	5.77	119	7.45	135	8.85	151	10.4	167	12.9	178	13.5	184	12.6	
	90	98.1	6.89	119	8.64	135	10.2	151	12.5	167	15.4	178	16.3	184	14.9	
	94	98.1	8.19	119	10.14	135	11.9	151	14.2	167	18.5	178	19.4	184	17.4	
98	98.1	7.52	119	9.78	135	11.4	151	13.8	167	16.5	178	17.4	184	16.3		
100	98.1	7.52	119	9.78	135	11.4	151	13.8	167	16.5	178	17.4	184	16.3		
80	50	87.2	3.75	106	4.50	120	5.24	134	5.93	149	6.64	158	7.12	172	7.86	
	54	87.2	3.82	106	4.58	120	5.32	134	6.05	149	6.78	158	7.27	172	8.03	
	58	87.2	3.89	106	4.76	120	5.46	134	6.18	149	6.92	158	7.43	172	8.21	
	62	87.2	3.97	106	4.86	120	5.57	134	6.31	149	7.08	158	7.60	172	8.48	
	66	87.2	4.05	106	4.96	120	5.69	134	6.45	149	7.40	158	8.08	172	9.15	
	70	87.2	4.09	106	5.07	120	5.70	134	6.59	149	7.49	158	8.08	172	9.15	
	74	87.2	4.21	106	5.17	120	5.79	134	6.69	149	7.59	158	8.18	172	9.24	
	78	87.2	4.37	106	5.55	120	6.54	134	7.60	149	8.76	158	9.57	172	10.9	
	82	87.2	4.68	106	6.36	120	7.52	134	8.77	149	10.1	158	11.1	172	12.6	
	86	87.2	5.00	106	6.82	120	8.06	134	9.41	149	11.3	158	12.3	170	13.7	
	90	87.2	5.51	106	7.05	120	8.34	134	9.74	149	11.7	158	12.8	169	14.0	
	94	87.2	6.07	106	7.80	120	9.24	134	10.8	149	12.5	158	13.7	166	14.6	
98	87.2	6.47	106	8.33	120	9.68	134	11.6	149	13.4	158	14.7	163	15.1		
100	87.2	6.47	106	8.33	120	9.68	134	11.6	149	13.4	158	14.7	163	15.1		
70	50	76.3	3.25	92.8	3.96	105	4.56	118	5.02	130	5.70	138	6.00	151	6.91	
	54	76.3	3.36	92.8	4.07	105	4.63	118	5.22	130	5.83	138	6.25	151	6.89	
	58	76.3	3.42	92.8	4.15	105	4.72	118	5.44	130	5.95	138	6.38	151	7.03	
	62	76.3	3.48	92.8	4.23	105	4.82	118	5.54	130	6.08	138	6.52	151	7.19	
	66	76.3	3.55	92.8	4.31	105	4.92	118	5.62	130	6.21	138	6.69	151	7.54	
	70	76.3	3.58	92.8	4.36	105	4.97	118	5.62	130	6.21	138	6.69	151	7.54	
	74	76.3	3.63	92.8	4.42	105	5.12	118	5.91	130	6.75	138	6.95	151	7.84	
	78	76.3	3.76	92.8	4.71	105	5.49	118	6.35	130	7.26	138	7.91	151	8.93	
	82	76.3	4.01	92.8	5.04	105	5.89	118	6.81	130	7.80	138	8.50	151	9.61	
	86	76.3	4.28	92.8	5.38	105	6.31	118	7.30	130	8.37	138	9.15	151	10.3	
	90	76.3	4.71	92.8	5.95	105	6.98	118	8.02	130	9.29	138	10.1	151	11.5	
	94	76.3	4.71	92.8	5.95	105	6.98	118	8.02	130	9.29	138	10.1	151	11.5	
98	76.3	5.18	92.8	6.15	105	7.22	118	8.96	130	10.3	138	11.3	151	12.8		
100	76.3	5.18	92.8	6.15	105	7.22	118	8.96	130	10.3	138	11.3	151	12.8		
60	50	65.4	2.83	79.6	3.38	90.2	3.81	101	4.26	111	4.74	118	5.06	129	5.56	
	54	65.4	2.88	79.6	3.44	90.2	3.88	101	4.34	111	4.83	118	5.16	129	5.67	
	58	65.4	2.92	79.6	3.50	90.2	3.95	101	4.43	111	4.92	118	5.26	129	5.78	
	62	65.4	2.97	79.6	3.56	90.2	4.03	101	4.51	111	5.02	118	5.37	129	5.91	
	66	65.4	3.02	79.6	3.62	90.2	4.10	101	4.61	111	5.13	118	5.48	129	6.03	
	70	65.4	3.10	79.6	3.73	90.2	4.23	101	4.70	111	5.26	118	5.66	129	6.33	
	74	65.4	3.14	79.6	3.78	90.2	4.29	101	4.85	111	5.51	118	5.97	129	6.69	
	78	65.4	3.40	79.6	3.93	90.2	4.55	101	5.21	111	6.41	129	7.73	8.89		
	82	65.4	3.62	79.6	4.20	90.2	4.87	101	5.58	111	6.80	118	7.38	129	8.29	
	86	65.4	3.86	79.6	4.49	90.2	5.20	101	5.97	111	7.53	118	8.90	129	8.89	
	90	65.4	3.96	79.6	4.79	90.2	5.74	101	6.60	111	8.46	129	9.53	10.6		
	94	65.4	4.10	79.6	5.10	90.2	6.32	101	6.83	101	8.46	129	9.53	10.6		
98	65.4	4.36	79.6	5.44	90.2	6.73	101	7.28	111	9.05	129	10.2	11.5			
100	65.4	4.63	79.6	5.79	90.2	7.15	101	7.78	111	9.80	129	10.9	12.3			

TC : Total capacity ; MBH  
 PI : Power input ; kW (Comp.+Outdoor fan motor)  
 Note1 : The above table shows the average value of conditions which may occur.

RXYQ192PATJ

Combi- nation (%)	Outdoor air temp. (°F/DB)	Indoor air temp. -FWB												Cooling capacity	
		67				70				72					75
		TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW		
90	50	112	5.10	136	6.26	155	7.19	173	8.15	191	9.14	203	9.82	221	10.8
	54	112	5.19	136	6.39	155	7.34	173	8.32	191	9.34	203	10.0	221	11.1
	58	112	5.29	136	6.52	155	7.49	173	8.47	191	9.47	203	10.1	221	11.2
	62	112	5.39	136	6.65	155	7.59	173	8.57	191	9.57	203	10.2	221	11.3
	66	112	5.49	136	6.79	155	7.69	173	8.67	191	9.67	203	10.3	221	11.4
	70	112	5.59	136	6.94	155	7.79	173	8.75	191	9.75	203	10.4	221	11.5
	72	112	5.67	136	7.01	155	7.82	173	8.82	191	9.82	203	10.5	221	11.6
	75	112	5.77	136	7.10	155	7.92	173	8.92	191	9.92	203	10.6	221	11.7
	79	112	5.87	136	7.20	155	8.02	173	9.02	191	10.02	203	10.7	221	11.8
	83	112	5.97	136	7.30	155	8.12	173	9.12	191	10.12	203	10.8	221	11.9
80	50	99.7	4.61	121	5.23	137	6.31	154	7.14	170	7.99	181	8.57	197	9.46
	54	99.7	4.70	121	5.34	137	6.44	154	7.28	170	8.16	181	8.75	197	9.66
	58	99.7	4.79	121	5.45	137	6.57	154	7.42	170	8.33	181	8.94	197	9.87
	62	99.7	4.88	121	5.56	137	6.70	154	7.59	170	8.51	181	9.13	197	10.1
	66	99.7	4.97	121	5.67	137	6.83	154	7.76	170	8.69	181	9.32	197	10.3
	70	99.7	5.06	121	5.78	137	6.96	154	7.93	170	8.87	181	9.51	197	10.5
	72	99.7	5.15	121	5.89	137	7.09	154	8.10	170	9.04	181	9.70	197	10.7
	75	99.7	5.24	121	6.02	137	7.22	154	8.27	170	9.17	181	9.89	197	10.9
	79	99.7	5.33	121	6.15	137	7.35	154	8.40	170	9.30	181	10.08	197	11.1
	83	99.7	5.42	121	6.28	137	7.48	154	8.53	170	9.43	181	10.27	197	11.3
70	50	87.2	3.89	106	4.84	120	5.68	134	6.35	148	6.88	158	7.52	172	8.16
	54	87.2	3.98	106	4.95	120	5.79	134	6.46	148	7.00	158	7.64	172	8.28
	58	87.2	4.07	106	5.06	120	5.90	134	6.57	148	7.11	158	7.71	172	8.40
	62	87.2	4.16	106	5.17	120	6.01	134	6.68	148	7.22	158	7.82	172	8.52
	66	87.2	4.25	106	5.28	120	6.12	134	6.79	148	7.33	158	7.93	172	8.64
	70	87.2	4.34	106	5.39	120	6.23	134	6.90	148	7.44	158	8.04	172	8.76
	72	87.2	4.43	106	5.50	120	6.34	134	7.01	148	7.55	158	8.15	172	8.88
	75	87.2	4.52	106	5.61	120	6.45	134	7.12	148	7.66	158	8.26	172	9.00
	79	87.2	4.61	106	5.72	120	6.56	134	7.23	148	7.77	158	8.37	172	9.12
	83	87.2	4.70	106	5.83	120	6.67	134	7.34	148	7.88	158	8.48	172	9.24
60	50	74.8	3.48	90.9	4.15	103	4.68	115	5.24	127	5.82	135	6.22	148	6.83
	54	74.8	3.57	90.9	4.26	103	4.79	115	5.35	127	5.93	135	6.33	148	6.94
	58	74.8	3.66	90.9	4.37	103	4.90	115	5.46	127	6.04	135	6.44	148	7.05
	62	74.8	3.75	90.9	4.48	103	5.01	115	5.57	127	6.15	135	6.55	148	7.16
	66	74.8	3.84	90.9	4.59	103	5.12	115	5.68	127	6.26	135	6.66	148	7.27
	70	74.8	3.93	90.9	4.70	103	5.23	115	5.79	127	6.37	135	6.77	148	7.38
	72	74.8	4.02	90.9	4.81	103	5.34	115	5.90	127	6.48	135	6.88	148	7.49
	75	74.8	4.11	90.9	4.92	103	5.45	115	6.01	127	6.59	135	6.99	148	7.60
	79	74.8	4.20	90.9	5.03	103	5.56	115	6.12	127	6.70	135	7.10	148	7.71
	83	74.8	4.29	90.9	5.14	103	5.67	115	6.23	127	6.81	135	7.21	148	7.82

TC : Total capacity ; MBH  
 PI : Power Input ; kW (Comp.+Outdoor fan motor)  
 Note1 : The above table shows the average value of conditions which may occur.

RXYQ216PTJUR

Table with 21 columns (Outdoor air temp., Indoor air temp., Cooling capacity) and rows for different load conditions (90, 80, 70, 60, 50). Columns include Comb-nation (%), F(°DB), T, TC, PI, MBH, KW, and TC, PI, MBH, KW for each indoor/outdoor temp. pair.

Table with 21 columns (Outdoor air temp., Indoor air temp., Cooling capacity) and rows for different load conditions (130, 120, 110, 100). Columns include Comb-nation (%), F(°DB), T, TC, PI, MBH, KW, and TC, PI, MBH, KW for each indoor/outdoor temp. pair.

Total capacity : MBH
Power Input : kW (Comp.+Outdoor fan motor)
Note1 : The above table shows the average value of conditions which may occur.

RXYQ240PTJUR

Cooling capacity

Cooling capacity

Combi- nation (%)	Outdoor air temp. (F/DB)	Indoor air temp. F/WB																				
		57			61			64			67			70			72			75		
		TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH
90	50	54	58	62	66	70	74	78	82	86	90	94	98	102	106	110	114	118	122	126	130	134
	50	109	114	119	124	129	134	139	144	149	154	159	164	169	174	179	184	189	194	199	204	209
	54	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225
	58	141	146	151	156	161	166	171	176	181	186	191	196	201	206	211	216	221	226	231	236	241
	62	157	162	167	172	177	182	187	192	197	202	207	212	217	222	227	232	237	242	247	252	257
	66	173	178	183	188	193	198	203	208	213	218	223	228	233	238	243	248	253	258	263	268	273
	70	189	194	199	204	209	214	219	224	229	234	239	244	249	254	259	264	269	274	279	284	289
	74	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305
	78	221	226	231	236	241	246	251	256	261	266	271	276	281	286	291	296	301	306	311	316	321
	82	237	242	247	252	257	262	267	272	277	282	287	292	297	302	307	312	317	322	327	332	337

Combi- nation (%)	Outdoor air temp. (F/DB)	Indoor air temp. F/WB																				
		57			61			64			70			72			75					
		TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH
100	50	54	58	62	66	70	74	78	82	86	90	94	98	102	106	110	114	118	122	126	130	134
	50	109	114	119	124	129	134	139	144	149	154	159	164	169	174	179	184	189	194	199	204	209
	54	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225
	58	141	146	151	156	161	166	171	176	181	186	191	196	201	206	211	216	221	226	231	236	241
	62	157	162	167	172	177	182	187	192	197	202	207	212	217	222	227	232	237	242	247	252	257
	66	173	178	183	188	193	198	203	208	213	218	223	228	233	238	243	248	253	258	263	268	273
	70	189	194	199	204	209	214	219	224	229	234	239	244	249	254	259	264	269	274	279	284	289
	74	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305
	78	221	226	231	236	241	246	251	256	261	266	271	276	281	286	291	296	301	306	311	316	321
	82	237	242	247	252	257	262	267	272	277	282	287	292	297	302	307	312	317	322	327	332	337

TC: Total capacity; MBH  
 PI: Power input; kW (Comp.+Outdoor fan motor)  
 Note: The above table shows the average value of conditions which may occur.

9.2 Heating Capacity (RXYQ-PATJ / PTJUR)

RXYQ72PATJ

Combit-nation (%)	Indoor air temp. °FDB												Heating capacity	
	Outdoor air temp.						Indoor air temp.							
	(FDB)	(FWB)	TC	PI	MBH	KW	(FDB)	(FWB)	TC	PI	MBH	KW		
100	-3.64	-4.0	57.2	6.18	57.0	6.44	56.9	6.64	56.8	6.78	56.7	6.81	56.6	7.11
	-1.84	-2.2	58.9	6.31	58.7	6.57	58.6	6.76	58.5	6.89	58.4	7.02	58.3	7.22
	0.5	0.5	60.6	6.06	60.6	6.06	60.6	6.06	60.6	6.06	60.6	6.06	60.6	6.06
	1.5	8.5	62.4	5.69	62.4	5.69	62.4	5.69	62.4	5.69	62.4	5.69	62.4	5.69
	3.0	13.0	64.1	5.32	64.1	5.32	64.1	5.32	64.1	5.32	64.1	5.32	64.1	5.32
	4.5	15.0	65.8	4.95	65.8	4.95	65.8	4.95	65.8	4.95	65.8	4.95	65.8	4.95
	6.0	17.0	67.5	4.58	67.5	4.58	67.5	4.58	67.5	4.58	67.5	4.58	67.5	4.58
	7.5	19.0	69.2	4.21	69.2	4.21	69.2	4.21	69.2	4.21	69.2	4.21	69.2	4.21
	9.0	21.0	70.9	3.84	70.9	3.84	70.9	3.84	70.9	3.84	70.9	3.84	70.9	3.84
	10.5	23.0	72.6	3.47	72.6	3.47	72.6	3.47	72.6	3.47	72.6	3.47	72.6	3.47
	12.0	25.0	74.3	3.10	74.3	3.10	74.3	3.10	74.3	3.10	74.3	3.10	74.3	3.10
	90	-3.64	-4.0	56.9	6.60	56.8	6.84	56.6	7.02	56.6	7.14	56.5	7.26	56.4
-1.84		-2.2	58.6	6.23	58.5	6.47	58.4	6.65	58.3	6.82	58.2	6.96	58.1	7.14
0.5		5.0	60.3	5.86	60.3	5.86	60.3	5.86	60.3	5.86	60.3	5.86	60.3	5.86
1.5		9.5	62.0	5.49	62.0	5.49	62.0	5.49	62.0	5.49	62.0	5.49	62.0	5.49
3.0		13.5	63.7	5.12	63.7	5.12	63.7	5.12	63.7	5.12	63.7	5.12	63.7	5.12
4.5		15.5	65.4	4.75	65.4	4.75	65.4	4.75	65.4	4.75	65.4	4.75	65.4	4.75
6.0		17.5	67.1	4.38	67.1	4.38	67.1	4.38	67.1	4.38	67.1	4.38	67.1	4.38
7.5		19.5	68.8	4.01	68.8	4.01	68.8	4.01	68.8	4.01	68.8	4.01	68.8	4.01
9.0		21.5	70.5	3.64	70.5	3.64	70.5	3.64	70.5	3.64	70.5	3.64	70.5	3.64
10.5		23.5	72.2	3.27	72.2	3.27	72.2	3.27	72.2	3.27	72.2	3.27	72.2	3.27
12.0		25.5	73.9	2.90	73.9	2.90	73.9	2.90	73.9	2.90	73.9	2.90	73.9	2.90
80		-3.64	-4.0	55.6	7.02	55.5	7.24	55.4	7.40	55.3	7.56	55.2	7.72	55.1
	-1.84	-2.2	57.3	6.65	57.2	6.87	57.1	7.03	57.0	7.19	56.9	7.35	56.8	7.47
	0.5	5.0	59.0	6.28	58.9	6.50	58.8	6.66	58.7	6.82	58.6	7.00	58.5	7.12
	1.5	9.5	60.7	5.91	60.6	6.13	60.5	6.29	60.4	6.45	60.3	6.61	60.2	6.73
	3.0	13.5	62.4	5.54	62.3	5.76	62.2	5.92	62.1	6.08	62.0	6.20	61.9	6.28
	4.5	15.5	64.1	5.17	64.0	5.39	63.9	5.55	63.8	5.71	63.7	5.87	63.6	5.95
	6.0	17.5	65.8	4.80	65.7	5.02	65.6	5.18	65.5	5.34	65.4	5.50	65.3	5.58
	7.5	19.5	67.5	4.43	67.4	4.65	67.3	4.81	67.2	4.97	67.1	5.13	67.0	5.21
	9.0	21.5	69.2	4.06	69.1	4.28	69.0	4.44	68.9	4.60	68.8	4.76	68.7	4.84
	10.5	23.5	70.9	3.69	70.8	3.91	70.7	4.07	70.6	4.23	70.5	4.39	70.4	4.47
	12.0	25.5	72.6	3.32	72.5	3.54	72.4	3.70	72.3	3.86	72.2	4.02	72.1	4.10
	13.0	26.0	73.9	2.95	73.8	3.17	73.7	3.33	73.6	3.49	73.5	3.65	73.4	3.73

TC : Total capacity ; MBH  
PI : Power Input ; kW (Comp.+Outdoor fan motor)

Note1 : is shown as reference.

Note 2 :The above table shows the average value of conditions which may occur.



Combi- nation (%)	Outdoor air temp. (°F/DB)	Indoor air temp. °F/DB											
		61		65		70		72		75			
		TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW		
70	-3.64	56.4	7.44	56.2	7.63	56.1	7.87	54.6	7.83	51.5	7.09	51.5	7.09
	-1.84	58.1	7.54	58.0	7.72	57.9	7.86	56.7	7.70	54.6	7.34	51.5	6.82
	5.5	65.0	7.86	6.19	7.46	58.8	6.99	6.68	54.6	6.98	51.5	5.94	5.94
	9.5	66.1	7.59	6.19	7.00	58.8	6.56	56.7	6.28	54.6	6.00	51.5	5.59
	13.0	66.1	7.15	6.19	6.59	58.8	6.19	56.7	5.93	54.6	5.67	51.5	5.28
	15.0	66.1	6.92	6.19	6.38	58.8	5.99	56.7	5.74	54.6	5.49	51.5	5.12
	17.0	66.1	6.75	6.19	6.23	58.8	5.86	56.7	5.61	54.6	5.37	51.5	5.01
	19.0	66.1	6.50	6.19	6.00	58.8	5.64	56.7	5.40	54.6	5.17	51.5	4.83
	22.0	66.1	6.30	6.19	5.83	58.8	5.48	56.7	5.25	54.6	5.03	51.5	4.70
	26.0	66.1	5.96	6.19	5.51	58.8	5.18	56.7	4.97	54.6	4.76	51.5	4.45
	30.0	66.1	5.64	6.19	5.23	58.8	4.92	56.7	4.72	54.6	4.52	51.5	4.23
	35.0	66.1	5.36	6.19	4.97	58.8	4.68	56.7	4.50	54.6	4.31	51.5	4.04
44.0	66.1	5.11	6.19	4.74	58.8	4.47	56.7	4.29	54.6	4.12	51.5	3.86	
47.0	66.1	4.89	6.19	4.54	58.8	4.15	56.7	3.98	54.6	3.84	51.5	3.70	
51.0	66.1	4.73	6.19	4.39	58.8	4.15	56.7	3.98	54.6	3.82	51.5	3.59	
54.0	66.1	4.53	6.19	4.22	58.8	3.98	56.7	3.83	54.6	3.68	51.5	3.45	
57.0	66.1	4.40	6.19	4.09	58.8	3.87	56.7	3.72	54.6	3.57	51.5	3.36	
60.0	66.1	4.27	6.19	3.98	58.8	3.76	56.7	3.62	54.6	3.47	51.5	3.27	
	60.0	56.0	6.19	4.16	6.19	3.87	58.8	3.66	56.7	3.52	54.6	3.38	3.18
	-3.64	56.1	7.87	53.1	7.37	50.4	6.91	48.6	6.61	46.8	6.31	44.1	5.88
	-1.84	56.7	7.70	53.1	7.09	50.4	6.65	48.6	6.37	46.8	6.08	44.1	5.67
	5.5	56.7	6.68	53.1	6.17	50.4	5.80	48.6	5.55	46.8	5.31	44.1	4.96
	9.5	56.7	6.28	53.1	5.81	50.4	5.46	48.6	5.23	46.8	5.01	44.1	4.68
	13.0	56.7	5.93	53.1	5.48	50.4	5.16	48.6	4.95	46.8	4.74	44.1	4.43
	15.0	56.7	5.74	53.1	5.31	50.4	5.00	48.6	4.80	46.8	4.60	44.1	4.30
	17.0	56.7	5.61	53.1	5.20	50.4	4.89	48.6	4.69	46.8	4.50	44.1	4.21
	19.0	56.7	5.40	53.1	5.01	50.4	4.72	48.6	4.53	46.8	4.34	44.1	4.07
	22.0	56.7	5.25	53.1	4.87	50.4	4.59	48.6	4.41	46.8	4.22	44.1	3.96
	26.0	56.7	4.97	53.1	4.61	50.4	4.35	48.6	4.18	46.8	4.01	44.1	3.76
	30.0	56.7	4.72	53.1	4.39	50.4	4.14	48.6	3.98	46.8	3.82	44.1	3.58
	35.0	56.7	4.50	53.1	4.18	50.4	3.95	48.6	3.80	46.8	3.64	44.1	3.42
	39.0	56.7	4.29	53.1	3.99	50.4	3.78	48.6	3.63	46.8	3.49	44.1	3.28
	44.0	56.7	4.11	53.1	3.83	50.4	3.62	48.6	3.48	46.8	3.35	44.1	3.15
	47.0	56.7	3.98	53.1	3.71	50.4	3.51	48.6	3.38	46.8	3.25	44.1	3.06
	51.0	56.7	3.83	53.1	3.57	50.4	3.38	48.6	3.25	46.8	3.13	44.1	2.94
	54.0	56.7	3.72	53.1	3.47	50.4	3.28	48.6	3.16	46.8	3.04	44.1	2.87
	57.0	56.7	3.62	53.1	3.37	50.4	3.20	48.6	3.08	46.8	2.96	44.1	2.79
	60.0	56.7	3.52	53.1	3.29	50.4	3.12	48.6	3.00	46.8	2.89	44.1	2.72

TC : Total capacity ; MBH

PI : Power Input ; kW (Comp.+Outdoor fan motor)

Note 1 : is shown as reference.

When selecting the unit models, avoid the Outdoor air temperature range shown by .

Note 2 : The above table shows the average value of conditions which may occur.

Heating capacity

RXYQ96PATJ

Table with columns for Combustion (%), Outdoor air temp., Indoor air temp. °F DB, and Heating capacity. Includes sub-sections for 61, 65, 68, 70, 72, and 75. Values include TC, PI, MBH, and kW for various conditions.

Table with columns for Combustion (%), Outdoor air temp., Indoor air temp. °F DB, and Heating capacity. Includes sub-sections for 61, 65, 68, 70, 72, and 75. Values include TC, PI, MBH, and kW for various conditions.

TC : Total capacity ; MBH
PI : Power Input ; kW (Comp.+Outdoor fan motor)
Note1 : is shown as reference.
Note 2: The above table shows the average value of conditions which may occur.

Heating capacity

Combi- nation (%)	Outdoor air temp. (°F/°C)	Indoor air temp. °F/DB											
		61			65			70			75		
		TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH
70	-3.64	71.2	10.3	71.0	10.6	70.9	10.8	70.8	10.9	70.7	11.1	68.6	10.8
	-1.84	72.4	10.4	72.3	10.7	72.1	10.9	72.1	11.0	72.0	11.2	68.6	10.6
	5.5	78.3	10.8	78.2	11.0	78.1	11.2	75.6	10.8	72.8	10.3	68.6	9.56
	9.5	81.7	10.9	81.6	11.2	78.4	10.7	75.6	10.2	72.8	9.76	68.6	9.08
	13.0	85.4	11.1	82.6	10.8	78.4	10.1	75.6	9.36	72.8	9.23	68.6	8.60
	15.0	87.7	11.2	82.6	10.4	78.4	9.78	75.6	9.36	72.8	8.94	68.6	8.33
	17.0	88.2	11.0	82.6	10.2	78.4	9.54	75.6	9.13	72.8	8.72	68.6	8.13
	19.0	88.2	10.6	82.6	9.75	78.4	9.15	75.6	8.76	72.8	8.37	68.6	7.81
	22.0	20.0	88.2	10.2	82.6	9.42	78.4	8.84	8.47	72.8	8.10	68.6	7.56
	26.0	24.0	88.2	9.52	82.6	8.79	78.4	8.26	7.92	72.8	7.58	68.6	7.07
	30.0	28.0	88.2	8.87	82.6	8.20	78.4	7.72	7.40	72.8	7.08	68.6	6.62
	35.0	32.0	88.2	8.27	82.6	7.66	78.4	7.21	6.92	72.8	6.63	68.6	6.20
39.0	36.0	88.2	7.71	82.6	7.15	78.4	6.74	6.47	72.8	6.20	68.6	5.81	
44.0	40.0	88.2	7.20	82.6	6.69	78.4	6.31	6.06	72.8	5.81	68.6	5.45	
47.0	43.0	88.2	6.85	82.6	6.36	78.4	6.00	5.77	72.8	5.20	68.6	5.20	
51.0	47.0	88.2	6.41	82.6	5.96	78.4	5.63	5.41	72.8	4.96	68.6	4.88	
54.0	50.0	88.2	6.10	82.6	5.68	78.4	5.37	5.17	72.8	4.66	68.6	4.67	
57.0	53.0	88.2	5.82	82.6	5.42	78.4	5.13	4.93	72.8	4.44	68.6	4.46	
60.0	56.0	88.2	5.55	82.6	5.17	78.4	4.90	4.72	72.8	4.27	68.6	4.27	
60	-3.64	70.8	10.9	70.7	11.2	67.2	10.5	64.8	10.1	62.4	9.60	58.8	8.93
	-1.84	72.1	11.0	70.8	11.0	67.2	10.3	64.8	9.84	62.4	9.39	58.8	8.74
	5.5	75.6	10.8	70.8	9.94	67.2	9.33	64.8	8.93	62.4	8.53	58.8	7.95
	9.5	81.7	10.2	70.8	9.43	67.2	8.85	64.8	8.48	62.4	8.11	58.8	7.56
	13.0	85.4	10.2	70.8	8.93	67.2	8.39	64.8	8.03	62.4	7.69	58.8	7.18
	15.0	87.7	10.2	70.8	8.44	67.2	8.13	64.8	7.79	62.4	7.45	58.8	6.96
	17.0	88.2	9.36	70.8	8.65	67.2	8.39	64.8	7.79	62.4	7.28	58.8	6.80
	19.0	88.2	9.13	70.8	8.44	67.2	7.93	64.8	7.60	62.4	7.28	58.8	6.60
	22.0	20.0	75.6	8.47	70.8	8.10	67.2	7.62	64.8	7.31	62.4	7.00	6.54
	26.0	24.0	75.6	7.92	70.8	7.84	67.2	7.38	64.8	7.07	62.4	6.78	6.34
	30.0	28.0	75.6	7.40	70.8	7.33	67.2	7.33	64.8	6.63	62.4	6.36	5.95
	35.0	32.0	75.6	6.91	70.8	6.86	67.2	6.47	64.8	6.21	62.4	5.96	5.59
39.0	36.0	75.6	6.47	70.8	6.42	67.2	6.06	64.8	5.82	62.4	5.29	5.24	
44.0	40.0	75.6	6.06	70.8	6.01	67.2	5.68	64.8	5.46	62.4	5.25	4.93	
47.0	43.0	75.6	5.77	70.8	5.64	67.2	5.33	64.8	5.13	62.4	4.93	4.63	
51.0	47.0	75.6	5.41	70.8	5.37	67.2	5.08	64.8	4.89	62.4	4.71	4.43	
54.0	50.0	75.6	5.17	70.8	5.05	67.2	4.78	64.8	4.60	62.4	4.43	4.17	
57.0	53.0	75.6	4.93	70.8	4.82	67.2	4.57	64.8	4.40	62.4	4.24	3.99	
60.0	56.0	75.6	4.72	70.8	4.61	67.2	4.37	64.8	4.21	62.4	4.06	3.83	
			4.72	70.8	4.41	67.2	4.18	64.8	4.04	62.4	3.89	3.67	

TC : Total capacity ; MBH

PI : Power Input ; kW (Comp.+Outdoor fan motor)

Note 1 : is shown as reference.

Note 2 : The above table shows the average value of conditions which may occur.

RXYQ108PATJ

Table with columns for Combustion (%), Outdoor air temp., Indoor air temp. (F, DB), and Heating capacity (kW, MBH) for various conditions.

Table with columns for Combustion (%), Outdoor air temp., Indoor air temp. (F, DB), and Heating capacity (kW, MBH) for various conditions.

TC : Total capacity ; MBH
PI : Power Input ; kW (Comp.+Outdoor fan motor)

Note1 : is shown as reference.

Note 2: When selecting the unit models, avoid the Outdoor air temperature range shown by
Note 2: The above table shows the average value of conditions which may occur.

Combi- nation (%)	Outdoor air temp. (°F/°C)	Indoor air temp. °F/DB												Heating capacity						
		61			65			70			75			75						
		TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	
70	-3.64	-4.0	74.5	999	74.3	10.3	74.2	10.5	74.1	10.7	74.0	10.9	73.8	11.1	73.8	11.1	73.8	11.1	73.8	11.1
	-1.84	-2.2	75.8	10.1	75.6	10.4	75.4	10.6	75.3	10.8	75.3	10.9	75.1	11.2	75.1	11.2	75.1	11.2	75.1	11.2
	5.5	5.0	81.8	10.5	81.6	10.7	81.5	11.0	81.4	11.1	81.3	11.2	81.3	11.2	81.3	11.2	81.3	11.2	81.3	11.2
	9.5	8.5	85.3	10.7	85.1	10.9	85.0	11.1	84.9	11.3	84.9	11.3	84.9	11.3	84.9	11.3	84.9	11.3	84.9	11.3
	13.0	12.0	89.1	10.8	88.9	11.1	88.6	11.1	88.6	10.9	88.4	10.4	88.2	10.3	88.2	10.3	88.2	10.3	88.2	10.3
	15.0	14.0	91.4	11.0	91.3	11.2	91.2	11.2	91.2	11.2	91.2	11.2	91.2	11.2	91.2	11.2	91.2	11.2	91.2	11.2
	17.0	15.5	93.3	11.0	93.1	11.3	93.0	11.3	93.0	11.3	93.0	11.3	93.0	11.3	93.0	11.3	93.0	11.3	93.0	11.3
	19.0	18.0	96.4	11.2	93.3	10.9	88.6	10.6	88.6	10.2	88.4	9.77	82.2	9.34	82.2	9.34	82.2	9.34	82.2	9.34
	22.0	20.0	99.1	11.3	93.3	10.5	88.6	9.86	88.6	9.45	88.4	8.82	82.2	8.45	82.2	8.45	82.2	8.45	82.2	8.45
	30.0	24.0	99.6	10.6	93.3	9.81	88.6	9.22	88.6	8.83	88.6	8.26	82.2	7.91	82.2	7.91	82.2	7.91	82.2	7.91
	35.0	32.0	99.6	9.23	93.3	8.55	88.6	8.05	88.6	7.53	88.6	7.23	82.2	6.93	82.2	6.93	82.2	6.93	82.2	6.93
	39.0	36.0	99.6	8.62	93.3	7.99	88.6	7.53	88.6	7.05	88.6	6.77	82.2	6.50	82.2	6.50	82.2	6.50	82.2	6.50
44.0	40.0	99.6	8.05	93.3	7.47	88.6	7.11	88.6	6.71	88.6	6.45	82.2	6.19	82.2	6.19	82.2	6.19	82.2	6.19	
47.0	43.0	99.6	7.16	93.3	6.66	88.6	6.29	88.6	6.05	88.6	5.78	82.2	5.55	82.2	5.55	82.2	5.55	82.2	5.55	
51.0	47.0	99.6	6.82	93.3	6.35	88.6	6.00	88.6	5.73	88.6	5.52	82.2	5.31	82.2	5.31	82.2	5.31	82.2	5.31	
54.0	50.0	99.6	6.50	93.3	6.06	88.6	5.73	88.6	5.48	88.6	5.27	82.2	5.07	82.2	5.07	82.2	5.07	82.2	5.07	
57.0	53.0	99.6	6.20	93.3	5.79	88.6	5.48	88.6	5.27	88.6	5.07	82.2	4.87	82.2	4.87	82.2	4.87	82.2	4.87	
60.0	56.0	99.6	5.79	93.3	5.48	88.6	5.27	88.6	5.07	88.6	4.87	82.2	4.67	82.2	4.67	82.2	4.67	82.2	4.67	
60	-3.64	-4.0	74.1	10.7	73.9	11.0	73.8	11.2	73.2	11.2	73.2	11.2	73.2	11.2	73.2	11.2	73.2	11.2	73.2	11.2
	-1.84	-2.2	75.4	10.8	75.2	11.0	75.1	11.2	73.2	10.9	73.2	10.9	73.2	10.9	73.2	10.9	73.2	10.9	73.2	10.9
	5.5	5.0	81.4	11.1	80.0	11.1	75.9	10.4	73.2	9.94	70.5	9.50	66.4	8.86	66.4	8.86	66.4	8.86	66.4	8.86
	9.5	8.5	84.9	11.3	80.0	10.5	75.9	9.86	73.2	9.45	70.5	9.03	66.4	8.43	66.4	8.43	66.4	8.43	66.4	8.43
	13.0	12.0	85.4	10.8	80.0	9.95	75.9	9.35	73.2	8.96	70.5	8.57	66.4	8.00	66.4	8.00	66.4	8.00	66.4	8.00
	15.0	14.0	85.4	10.4	80.0	9.64	75.9	9.06	73.2	8.68	70.5	8.31	66.4	7.77	66.4	7.77	66.4	7.77	66.4	7.77
	17.0	15.5	85.4	10.2	80.0	9.41	75.9	8.85	73.2	8.48	70.5	8.12	66.4	7.59	66.4	7.59	66.4	7.59	66.4	7.59
	19.0	18.0	85.4	9.76	80.0	9.04	75.9	8.50	73.2	8.15	70.5	7.81	66.4	7.30	66.4	7.30	66.4	7.30	66.4	7.30
	22.0	20.0	85.4	9.45	80.0	8.74	75.9	8.23	73.2	7.90	70.5	7.57	66.4	7.08	66.4	7.08	66.4	7.08	66.4	7.08
	26.0	24.0	85.4	8.83	80.0	8.19	75.9	7.71	73.2	7.40	70.5	7.10	66.4	6.65	66.4	6.65	66.4	6.65	66.4	6.65
	30.0	28.0	85.4	8.26	80.0	7.66	75.9	7.23	73.2	6.94	70.5	6.66	66.4	6.24	66.4	6.24	66.4	6.24	66.4	6.24
	35.0	32.0	85.4	7.72	80.0	7.17	75.9	6.77	73.2	6.51	70.5	6.25	66.4	5.86	66.4	5.86	66.4	5.86	66.4	5.86
39.0	36.0	85.4	7.23	80.0	6.72	75.9	6.35	73.2	6.11	70.5	5.86	66.4	5.51	66.4	5.51	66.4	5.51	66.4	5.51	
44.0	40.0	85.4	6.77	80.0	6.30	75.9	5.96	73.2	5.73	70.5	5.47	66.4	5.18	66.4	5.18	66.4	5.18	66.4	5.18	
47.0	43.0	85.4	6.45	80.0	6.01	75.9	5.69	73.2	5.47	70.5	5.26	66.4	4.95	66.4	4.95	66.4	4.95	66.4	4.95	
51.0	47.0	85.4	6.05	80.0	5.65	75.9	5.35	73.2	5.15	70.5	4.96	66.4	4.67	66.4	4.67	66.4	4.67	66.4	4.67	
54.0	50.0	85.4	5.78	80.0	5.39	75.9	5.11	73.2	4.92	70.5	4.74	66.4	4.47	66.4	4.47	66.4	4.47	66.4	4.47	
57.0	53.0	85.4	5.52	80.0	5.15	75.9	4.89	73.2	4.71	70.5	4.54	66.4	4.28	66.4	4.28	66.4	4.28	66.4	4.28	
60.0	56.0	85.4	5.27	80.0	4.93	75.9	4.68	73.2	4.51	70.5	4.35	66.4	4.11	66.4	4.11	66.4	4.11	66.4	4.11	

TC : Total capacity ; MBH

PI : Power Input ; kW (Comp.+Outdoor fan motor)

Note 1 : is shown as reference.

When selecting the unit models, avoid the Outdoor air temperature range shown by .

Note 2 : The above table shows the average value of conditions which may occur.

RXYQ144PATJ

Table with columns for Outdoor air temp., Combustion (%), Indoor air temp. °F, and Heating capacity (TC, PI, MBH, KW) for various conditions (61, 65, 70, 72, 75).

Table with columns for Outdoor air temp., Combustion (%), Indoor air temp. °F, and Heating capacity (TC, PI, MBH, KW) for various conditions (61, 65, 70, 72, 75).

TC : Total capacity ; MBH
PI : Power Input ; kW (Comp.+Outdoor fan motor)
Note1 : is shown as reference.
Note 2: The above table shows the average value of conditions which may occur.

Heating capacity

Combi- nation (%)	Outdoor air temp. (°F/°C)	Indoor air temp. °F/DB													
		61		65		68		70		72		75			
		TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW		
70	-3.64	108	14.7	108	15.1	108	15.4	108	15.5	108	15.5	108	15.7	103	14.9
	-1.84	108	14.8	110	15.2	110	15.5	110	15.6	109	15.6	109	15.7	103	14.6
	5.5	108	14.9	111	15.3	111	15.6	111	15.7	109	15.7	109	15.8	103	14.7
	9.5	108	15.0	112	15.4	112	15.7	112	15.8	109	15.8	109	15.9	103	14.8
	13.0	108	15.1	113	15.5	113	15.8	113	15.9	109	15.9	109	16.0	103	14.9
	16.0	108	15.2	114	15.6	114	15.9	114	16.0	109	16.0	109	16.1	103	15.0
	19.0	108	15.3	115	15.7	115	16.0	115	16.1	109	16.1	109	16.2	103	15.1
	22.0	108	15.4	116	15.8	116	16.1	116	16.2	109	16.2	109	16.3	103	15.2
	25.0	108	15.5	117	15.9	117	16.2	117	16.3	109	16.3	109	16.4	103	15.3
	28.0	108	15.6	118	16.0	118	16.3	118	16.4	109	16.4	109	16.5	103	15.4
	31.0	108	15.7	119	16.1	119	16.4	119	16.5	109	16.5	109	16.6	103	15.5
	34.0	108	15.8	120	16.2	120	16.5	120	16.6	109	16.6	109	16.7	103	15.6
	37.0	108	15.9	121	16.3	121	16.6	121	16.7	109	16.7	109	16.8	103	15.7
	40.0	108	16.0	122	16.4	122	16.7	122	16.8	109	16.8	109	16.9	103	15.8
43.0	108	16.1	123	16.5	123	16.8	123	16.9	109	16.9	109	17.0	103	15.9	
46.0	108	16.2	124	16.6	124	16.9	124	17.0	109	17.0	109	17.1	103	16.0	
49.0	108	16.3	125	16.7	125	17.0	125	17.1	109	17.1	109	17.2	103	16.1	
52.0	108	16.4	126	16.8	126	17.1	126	17.2	109	17.2	109	17.3	103	16.2	
55.0	108	16.5	127	16.9	127	17.2	127	17.3	109	17.3	109	17.4	103	16.3	
58.0	108	16.6	128	17.0	128	17.3	128	17.4	109	17.4	109	17.5	103	16.4	
61.0	108	16.7	129	17.1	129	17.4	129	17.5	109	17.5	109	17.6	103	16.5	
64.0	108	16.8	130	17.2	130	17.5	130	17.6	109	17.6	109	17.7	103	16.6	
67.0	108	16.9	131	17.3	131	17.6	131	17.7	109	17.7	109	17.8	103	16.7	
70.0	108	17.0	132	17.4	132	17.7	132	17.8	109	17.8	109	17.9	103	16.8	
60	-3.64	106	15.5	106	15.5	101	14.5	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
	-1.84	106	15.6	106	15.6	101	14.6	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
	5.5	106	15.7	106	15.7	101	14.7	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
	9.5	106	15.8	106	15.8	101	14.8	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
	13.0	106	15.9	106	15.9	101	14.9	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
	16.0	106	16.0	106	16.0	101	15.0	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
	19.0	106	16.1	106	16.1	101	15.1	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
	22.0	106	16.2	106	16.2	101	15.2	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
	25.0	106	16.3	106	16.3	101	15.3	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
	28.0	106	16.4	106	16.4	101	15.4	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
	31.0	106	16.5	106	16.5	101	15.5	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
	34.0	106	16.6	106	16.6	101	15.6	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
	37.0	106	16.7	106	16.7	101	15.7	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
	40.0	106	16.8	106	16.8	101	15.8	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3
43.0	106	16.9	106	16.9	101	15.9	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3	
46.0	106	17.0	106	17.0	101	16.0	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3	
49.0	106	17.1	106	17.1	101	16.1	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3	
52.0	106	17.2	106	17.2	101	16.2	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3	
55.0	106	17.3	106	17.3	101	16.3	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3	
58.0	106	17.4	106	17.4	101	16.4	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3	
61.0	106	17.5	106	17.5	101	16.5	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3	
64.0	106	17.6	106	17.6	101	16.6	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3	
67.0	106	17.7	106	17.7	101	16.7	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3	
70.0	106	17.8	106	17.8	101	16.8	97.2	13.9	83.6	13.2	88.2	12.3	88.2	12.3	

TC : Total capacity ; MBH

PI : Power Input ; kW (Comp.+Outdoor fan motor)

Note 1 : is shown as reference.

When selecting the unit models, avoid the Outdoor air temperature range shown by .

Note 2 : The above table shows the average value of conditions which may occur.

RXYQ168PATJ

Table with 16 columns: Comb. ratio (%), Outdoor air temp., Indoor air temp. (F, DB), and Heating capacity (TC, PI, MBH, KW) for three different conditions (61, 65, 70, 72, 75).

Table with 16 columns: Comb. ratio (%), Outdoor air temp., Indoor air temp. (F, DB), and Heating capacity (TC, PI, MBH, KW) for three different conditions (61, 65, 70, 72, 75).

TC: Total capacity; MBH

PI: Power Input; kW (Comp.+Outdoor fan motor)

Note1: is shown as reference.

Note 2: The above table shows the average value of conditions which may occur.



Combi- nation (%)	Outdoor air temp.		Indoor air temp. °F:DB												Heating capacity				
			61			65			70			72					75		
			TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH			TC	PI	MBH
70	-3.64	-4.0	124	17.8	124	18.3	124	18.6	124	18.9	124	19.1	113	17.1	109	16.3	102	15.2	14.9
	-1.84	-2.2	127	18.0	127	18.4	127	18.8	126	19.0	126	19.2	119	16.3	109	14.5	102	13.5	13.5
	5.5	5.0	137	18.6	137	19.0	136	19.2	132	18.3	127	17.5	119	16.3	109	14.5	102	12.8	12.8
	9.5	8.5	143	18.9	143	19.3	136	18.2	132	17.4	127	16.6	119	15.4	109	13.1	102	12.2	12.2
	13.0	12.0	150	19.2	144	18.3	136	17.2	132	16.4	127	15.7	119	14.6	109	12.4	102	11.8	11.8
	15.0	14.0	154	19.2	144	17.7	136	16.6	132	15.9	127	15.2	119	14.1	109	11.9	102	11.5	11.5
	17.0	15.5	154	18.7	144	17.3	136	16.6	132	15.5	127	14.8	119	13.8	109	11.5	102	11.1	11.1
	19.0	18.0	154	17.9	144	16.6	136	15.5	132	14.9	127	14.2	119	13.3	109	11.5	102	10.8	10.8
	22.0	20.0	154	17.3	144	16.0	136	15.0	132	14.4	127	13.7	119	12.8	109	11.5	102	10.4	10.4
	26.0	24.0	154	16.2	144	14.9	136	14.0	132	13.4	127	12.9	119	12.0	109	11.2	102	10.1	10.1
	30.0	28.0	154	15.0	144	13.9	136	13.1	132	12.5	127	12.0	119	11.2	109	10.5	102	9.8	9.8
	35.0	32.0	154	14.0	144	13.0	136	12.2	132	11.7	127	11.2	119	10.5	109	9.85	102	9.23	9.23
	39.0	36.0	154	13.1	144	12.1	136	11.4	132	11.0	127	10.5	119	9.85	109	8.81	102	8.28	8.28
	44.0	40.0	154	12.2	144	11.3	136	10.7	132	10.3	127	9.88	119	8.81	109	7.91	102	7.56	7.56
47.0	43.0	154	11.6	144	10.8	136	10.2	132	9.78	127	8.81	119	8.03	109	7.68	102	7.23	7.23	
51.0	47.0	154	10.9	144	10.1	136	9.54	132	9.10	132	8.75	127	8.03	109	7.56	102	7.11	7.11	
54.0	50.0	154	10.3	144	9.62	136	9.10	132	8.86	132	8.36	127	7.68	109	7.23	102	6.82	6.82	
57.0	53.0	154	9.85	144	9.18	136	8.68	132	8.30	132	7.99	127	7.68	109	7.23	102	6.48	6.48	
60.0	56.0	154	9.40	144	8.76	136	8.30	132	7.99	127	7.68	109	7.23	102	6.82	102	6.48	6.48	
60	-3.64	-4.0	124	18.9	123	19.1	117	17.9	113	17.1	109	16.3	102	15.2	14.9	14.9	14.9	14.9	14.9
	-1.84	-2.2	126	19.0	123	18.7	117	17.5	113	16.7	109	16.0	102	14.9	14.9	14.9	14.9	14.9	14.9
	5.5	5.0	132	18.3	123	16.9	117	15.8	113	15.2	109	14.5	102	13.5	13.5	13.5	13.5	13.5	13.5
	9.5	8.5	132	17.4	123	16.0	117	15.0	113	14.4	109	13.8	102	12.8	12.8	12.8	12.8	12.8	12.8
	13.0	12.0	132	16.4	123	15.2	117	14.2	113	13.6	109	13.1	102	12.2	12.2	12.2	12.2	12.2	12.2
	15.0	14.0	132	15.9	123	14.7	117	13.8	113	13.2	109	12.7	102	11.8	11.8	11.8	11.8	11.8	11.8
	17.0	15.5	132	15.5	123	14.3	117	13.5	113	12.9	109	12.4	102	11.5	11.5	11.5	11.5	11.5	11.5
	19.0	18.0	132	14.9	123	13.8	117	12.9	113	12.4	109	11.9	102	11.1	11.1	11.1	11.1	11.1	11.1
	22.0	20.0	132	14.4	123	13.3	117	12.5	113	12.0	109	11.5	102	10.8	10.8	10.8	10.8	10.8	10.8
	26.0	24.0	132	13.4	123	12.4	117	11.7	113	11.2	109	10.8	102	10.1	10.1	10.1	10.1	10.1	10.1
	30.0	28.0	132	12.5	123	11.6	117	11.0	113	10.5	109	10.1	102	9.47	9.47	9.47	9.47	9.47	9.47
	35.0	32.0	132	11.7	123	10.9	117	10.3	113	9.87	109	9.48	102	8.89	8.89	8.89	8.89	8.89	8.89
	39.0	36.0	132	11.0	123	10.2	117	9.63	113	9.26	109	8.89	102	8.35	8.35	8.35	8.35	8.35	8.35
	44.0	40.0	132	10.3	123	9.55	117	9.03	113	8.69	109	8.35	102	7.85	7.85	7.85	7.85	7.85	7.85
47.0	43.0	132	9.78	123	9.11	117	8.62	113	8.29	109	7.87	102	7.50	7.50	7.50	7.50	7.50	7.50	
51.0	47.0	132	9.17	123	8.55	117	8.10	113	7.80	109	7.50	102	7.07	7.07	7.07	7.07	7.07	7.07	
54.0	50.0	132	8.75	123	8.17	117	7.74	113	7.46	109	7.18	102	6.77	6.77	6.77	6.77	6.77	6.77	
57.0	53.0	132	8.36	123	7.81	117	7.40	113	7.14	109	6.87	102	6.48	6.48	6.48	6.48	6.48	6.48	
60.0	56.0	132	7.99	123	7.47	117	7.09	113	6.83	109	6.58	102	6.22	6.22	6.22	6.22	6.22	6.22	

TC : Total capacity ; MBH

PI : Power Input ; kW (Comp.+Outdoor fan motor)

Note 1 : is shown as reference.

When selecting the unit models, avoid the Outdoor air temperature range shown by

Note 2 : The above table shows the average value of conditions which may occur.



Heating capacity

Combi- nation (%)	Outdoor air temp. (°F/°C)	Indoor air temp.: °F/DB																	
		61			65			70			72			75					
		TC MBH	PI kW	PI MBH	TC MBH	PI kW	PI MBH	TC MBH	PI kW	PI MBH	TC MBH	PI kW	PI MBH	TC MBH	PI kW	PI MBH			
70	-3.64	142	20.7	141	21.2	141	21.6	141	21.9	141	22.2	137	21.7	141	22.2	137	21.7		
	-1.84	144	20.8	144	21.8	144	21.8	143	22.0	143	22.3	137	21.2	143	22.3	137	21.2		
	5.5	156	21.5	156	22.0	155	22.4	151	21.7	146	20.7	137	19.2	151	20.6	146	19.6	137	
	9.5	163	21.9	162	22.3	157	21.5	151	20.6	146	19.6	137	18.3	151	20.6	146	19.6	137	
	13.0	170	22.2	165	21.7	157	20.3	151	19.4	146	18.6	137	17.3	151	18.8	18.0	137	16.7	
	15.0	175	22.4	165	21.0	157	19.2	151	18.3	146	17.5	137	16.3	151	18.3	146	17.5	137	
	17.0	180	22.5	165	20.4	157	18.4	151	17.6	146	16.8	137	15.7	151	17.6	146	16.8	137	
	19.0	186	21.2	165	19.6	157	17.8	151	17.0	146	16.3	137	15.2	151	17.0	146	16.3	137	
	22.0	200	17.6	20.5	18.9	157	17.8	151	15.9	146	14.2	137	14.2	137	14.2	137	14.2	137	
	26.0	240	17.6	19.1	18.5	17.7	157	16.6	151	15.9	146	14.2	137	14.2	137	14.2	137	14.2	
	30.0	280	17.6	17.8	16.5	15.4	157	15.5	151	14.9	146	14.2	137	14.2	137	14.2	137	14.2	
	35.0	320	17.6	16.6	15.4	14.4	157	14.5	151	13.9	146	14.2	137	14.2	137	14.2	137	14.2	
39.0	360	17.6	15.5	14.4	13.4	157	13.5	151	13.0	146	14.2	137	14.2	137	14.2	137	14.2		
44.0	400	17.6	14.5	13.4	12.4	157	12.7	151	12.2	146	14.2	137	14.2	137	14.2	137	14.2		
47.0	430	17.6	13.7	12.8	11.7	157	12.0	151	11.6	146	14.2	137	14.2	137	14.2	137	14.2		
51.0	470	17.6	12.9	12.0	11.3	157	11.3	151	10.9	146	14.2	137	14.2	137	14.2	137	14.2		
54.0	500	17.6	12.2	11.4	10.8	157	10.8	151	10.4	146	14.2	137	14.2	137	14.2	137	14.2		
57.0	530	17.6	11.7	10.9	10.3	157	10.3	151	9.89	146	14.2	137	14.2	137	14.2	137	14.2		
60.0	560	17.6	11.1	10.4	9.82	157	9.82	151	9.45	146	14.2	137	14.2	137	14.2	137	14.2		
60	-3.64	141	21.9	141	22.4	134	21.2	130	20.2	125	19.3	118	18.0	134	21.2	130	20.2	125	
	-1.84	142	22.0	142	22.1	134	20.7	130	19.8	125	18.9	118	17.6	134	20.7	130	19.8	125	
	5.5	151	21.7	142	20.0	134	18.8	130	18.0	125	17.2	118	16.0	134	18.0	125	17.2	118	
	9.5	151	20.6	142	19.0	134	17.8	130	17.0	125	16.3	118	15.2	134	17.0	125	16.3	118	
	13.0	151	19.4	142	17.9	134	16.9	130	16.2	125	15.5	118	14.4	134	16.2	125	15.5	118	
	15.0	140	151	18.8	142	17.4	134	16.3	130	15.6	125	15.0	118	14.0	134	15.6	125	15.0	118
	17.0	15.5	151	18.3	142	17.0	134	15.9	130	15.3	125	14.6	118	13.7	134	15.3	125	14.6	118
	19.0	18.0	151	17.6	142	16.3	134	15.3	130	14.7	125	14.1	118	13.1	134	14.7	125	14.1	118
	22.0	20.0	151	17.0	142	15.7	134	14.8	130	14.2	125	13.6	118	12.7	134	14.2	125	13.6	118
	26.0	24.0	151	15.9	142	14.7	134	13.9	130	13.3	125	12.8	118	11.9	134	13.3	125	12.8	118
	30.0	28.0	151	14.9	142	13.8	134	13.0	130	12.5	12.0	11.8	11.2	11.2	130	12.5	12.0	11.8	11.2
	35.0	32.0	151	13.9	142	12.9	134	12.2	130	11.7	12.5	11.2	10.5	10.5	130	11.7	12.5	11.2	10.5
39.0	36.0	151	13.0	142	12.1	134	11.4	130	11.0	12.5	10.5	9.88	9.88	130	11.0	12.5	10.5	9.88	
44.0	40.0	151	12.1	142	11.3	134	10.7	130	10.3	12.5	9.88	9.29	9.29	130	10.3	12.5	9.88	9.29	
47.0	43.0	151	11.6	142	10.8	134	10.2	130	9.82	12.5	9.44	8.88	8.88	130	9.82	12.5	9.44	8.88	
51.0	47.0	151	10.9	142	10.1	134	9.59	130	9.23	12.5	8.88	8.37	8.37	130	9.23	12.5	8.88	8.37	
54.0	50.0	151	10.4	142	9.67	134	9.16	130	8.83	12.5	8.50	8.01	8.01	130	8.83	12.5	8.50	8.01	
57.0	53.0	151	9.89	142	9.24	134	8.76	130	8.45	12.5	8.13	7.67	7.67	130	8.45	12.5	8.13	7.67	
60.0	56.0	151	9.45	142	8.84	134	8.39	130	8.09	12.5	7.79	7.36	7.36	130	8.09	12.5	7.79	7.36	

TC : Total capacity ; MBH

PI : Power Input ; kW (Comp.+Outdoor fan motor)

Note 1 : is shown as reference.

When selecting the unit models, avoid the Outdoor air temperature range shown by .

Note 2 : The above table shows the average value of conditions which may occur.

**RXYQ216PTJUR**

Combit-ration (%)	Outdoor air temp. (F/D)B	Indoor air temp. F/D B																				
		61				65				70				75								
		TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW					
100	-3.64	-4.0	148	17.4	148	18.0	148	18.5	148	19.1	148	19.7	148	20.3	148	20.9	148	21.5	148	22.1	144.4	
	-1.84	-2.2	152	17.6	152	18.2	152	18.8	152	19.4	152	20.0	152	20.6	152	21.2	152	21.8	152	22.4	152	151.1
	0.5	0.5	156	17.8	156	18.4	156	19.0	156	19.6	156	20.2	156	20.8	156	21.4	156	22.0	156	22.6	156	150.5
	13.0	12.0	179	18.9	178	19.7	178	20.6	177	21.0	177	21.5	177	22.0	177	22.5	177	23.0	177	23.5	177	186.2
	15.0	14.0	183	19.2	183	20.0	183	20.5	182	21.2	182	21.8	182	22.4	182	23.0	182	23.6	182	24.2	182	211.5
	17.0	15.5	187	19.5	187	20.2	186	20.7	186	21.4	186	22.1	186	22.8	186	23.5	186	24.2	186	24.9	186	219.9
	19.0	18.0	193	19.9	193	20.5	193	21.1	192	21.7	192	22.4	192	23.1	192	23.8	192	24.5	192	25.2	192	222.2
	22.0	20.0	200	20.8	200	21.4	200	21.9	200	22.5	200	23.1	200	23.7	200	24.3	200	24.9	200	25.5	200	229.5
	30.0	28.0	223	21.3	223	21.9	223	22.5	223	23.1	223	23.7	223	24.3	223	24.9	223	25.5	223	26.1	223	233.3
	35.0	32.0	236	21.9	236	22.4	236	23.0	236	23.5	236	24.0	236	24.5	236	25.0	236	25.5	236	26.0	236	241.7
	40.0	36.0	249	22.4	249	23.0	249	23.5	249	24.0	249	24.5	249	25.0	249	25.5	249	26.0	249	26.5	249	250.2
	47.0	43.0	277	23.2	277	23.8	277	24.4	277	25.0	277	25.6	277	26.2	277	26.8	277	27.4	277	28.0	277	302.6
	51.0	47.0	283	23.5	283	24.1	283	24.7	283	25.3	283	25.9	283	26.5	283	27.1	283	27.7	283	28.3	283	311.9
	54.0	50.0	283	23.5	283	24.1	283	24.7	283	25.3	283	25.9	283	26.5	283	27.1	283	27.7	283	28.3	283	311.9
	57.0	53.0	283	23.5	283	24.1	283	24.7	283	25.3	283	25.9	283	26.5	283	27.1	283	27.7	283	28.3	283	311.9
	60.0	56.0	283	23.5	283	24.1	283	24.7	283	25.3	283	25.9	283	26.5	283	27.1	283	27.7	283	28.3	283	311.9
	-1.84	-2.2	151	18.1	151	18.7	151	19.3	151	19.9	151	20.5	151	21.1	151	21.7	151	22.3	151	22.9	151	151.1
	5.5	5.0	163	19.1	163	19.8	163	20.4	162	20.7	162	21.1	162	21.5	162	21.9	162	22.3	162	22.7	162	162.6
	9.5	9.0	176	20.1	176	20.8	176	21.4	175	21.7	175	22.1	175	22.5	175	23.0	175	23.4	175	23.8	175	176.2
	15.0	14.0	183	20.4	182	21.0	182	21.5	182	22.0	181	22.5	181	23.0	181	23.5	181	24.0	181	24.5	181	181.7
	17.0	15.5	186	20.6	186	21.2	186	21.7	186	22.2	185	22.7	185	23.2	185	23.7	185	24.2	185	24.7	185	186.2
	19.0	18.0	193	20.9	192	21.5	192	22.0	192	22.5	192	23.0	192	23.5	192	24.0	192	24.5	192	25.0	192	192.7
	22.0	20.0	209	21.7	209	22.3	209	22.9	209	23.5	209	24.1	209	24.7	209	25.3	209	25.9	209	26.5	209	209.2
	30.0	28.0	222	22.3	222	22.9	222	23.5	222	24.1	222	24.7	222	25.3	222	25.9	222	26.5	222	27.1	222	222.7
	35.0	32.0	235	22.8	235	23.4	235	24.0	235	24.6	235	25.2	235	25.8	235	26.4	235	27.0	235	27.6	235	235.2
	39.0	36.0	249	23.4	249	24.0	249	24.6	249	25.2	249	25.8	249	26.4	249	27.0	249	27.6	249	28.2	249	249.7
	44.0	40.0	262	24.0	262	24.6	262	25.2	262	25.8	262	26.4	262	27.0	262	27.6	262	28.2	262	28.8	262	262.2
	47.0	43.0	268	24.3	268	24.9	268	25.5	268	26.1	268	26.7	268	27.3	268	27.9	268	28.5	268	29.1	268	268.7
	51.0	47.0	274	24.6	274	25.2	274	25.8	274	26.4	274	27.0	274	27.6	274	28.2	274	28.8	274	29.4	274	274.2
	54.0	50.0	274	24.6	274	25.2	274	25.8	274	26.4	274	27.0	274	27.6	274	28.2	274	28.8	274	29.4	274	274.2
	57.0	53.0	274	24.6	274	25.2	274	25.8	274	26.4	274	27.0	274	27.6	274	28.2	274	28.8	274	29.4	274	274.2
	60.0	56.0	274	24.6	274	25.2	274	25.8	274	26.4	274	27.0	274	27.6	274	28.2	274	28.8	274	29.4	274	274.2
	-3.64	-4.0	148	17.4	148	18.0	148	18.5	148	19.1	148	19.7	148	20.3	148	20.9	148	21.5	148	22.1	148	147.4
	-1.84	-2.2	152	17.6	152	18.2	152	18.8	152	19.4	152	20.0	152	20.6	152	21.2	152	21.8	152	22.4	152	151.1
	5.5	5.0	163	19.1	163	19.8	163	20.4	162	20.7	162	21.1	162	21.5	162	21.9	162	22.3	162	22.7	162	162.6
	9.5	9.0	176	20.1	176	20.8	176	21.4	175	21.7	175	22.1	175	22.5	175	23.0	175	23.4	175	23.8	175	176.2
	15.0	14.0	183	20.4	182	21.0	182	21.5	182	22.0	181	22.5	181	23.0	181	23.5	181	24.0	181	24.5	181	181.7
	17.0	15.5	186	20.6	186	21.2	186	21.7	186	22.2	185	22.7	185	23.2	185	23.7	185	24.2	185	24.7	185	186.2
	19.0	18.0	193	20.9	192	21.5	192	22.0	192	22.5	192	23.0	192	23.5	192	24.0	192	24.5	192	25.0	192	192.7
	22.0	20.0	209	21.7	209	22.3	209	22.9	209	23.5	209	24.1	209	24.7	209	25.3	209	25.9	209	26.5	209	209.2
	30.0	28.0	222	22.3	222	22.9	222	23.5	222	24.1	222	24.7	222	25.3	222	25.9	222	26.5	222	27.1	222	222.7
	35.0	32.0	235	22.8	235	23.4	235	24.0	235	24.6	235	25.2	235	25.8	235	26.4	235	27.0	235	27.6	235	235.2
	39.0	36.0	249	23.4	249	24.0	249	24.6	249	25.2	249	25.8	249	26.4	249	27.0	249	27.6	249	28.2	249	249.7
	44.0	40.0	262	24.0	262	24.6	262	25.2	262	25.8	262	26.4	262	27.0	262	27.6	262	28.2	262	28.8	262	262.2
	47.0	43.0	268	24.3	268	24.9	268	25.5	268	26.1	268	26.7	268	27.3	268	27.9	268	28.5	268	29.1	268	268.7
	51.0	47.0	274	24.6	274	25.2	274	25.8	274	26.4	274	27.0	274	27.6	274	28.2	274	28.8	274	29.4	274	274.2
	54.0	50.0	274	24.6	274	25.2	274	25.8	274	26.4	274	27.0	274	27.6	274	28.2	274	28.8	274	29.4	274	274.2
	57.0	53.0	274	24.6	274	25.2	274	25.8	274	26.4	274	27.0	274	27.6	274	28.2	274	28.8	274	29.4	274	274.2
	60.0	56.0	274	24.6	274	25.2	274	25.8	274	26.4	274	27.0	274	27.6	274	28.2	274	28.8	274	29.4	274	274.2
	-3.64	-4.0	148	17.4	148	18.0	148	18.5	148	19.1	148	19.7	148	20.3	148	20.9	148	21.5	148	22.1	148	147.4
	-1.84	-2.2	152	17.6	152	18.2	152	18.8	152	19.4	152	20.0	152	20.6	152	21.2	152	21.8	152	22.4	152	151.1
	5.5	5.0	163	19.1	163	19.8	163	20.4	162	20.7	162	21.1	162	21.5	162	21.9	162	22.3	162	22.7	162	162.6
	9.5	9.0	176	20.1	176	20.8	176	21.4	175	21.7	175	22.1	175	22.5	175	23.0	175	23.4	175	23.8	175	176.2
	15.0	14.0	183	20.4	182	21.0	182	21.5	182	22.0	181	22.5	181	23.0	181	23.5	181	24.0	181	24.5	181	181.7
	17.0	15.5	186	20.6	186	21.2	186	21.7	186	22.2	185	22.7	185	23.2	185	23.7	185	24.2	185	24.7	185	186.2
	19.0	18.0	193	20.9	192	21.5	192	22.0	192	22.5	192	23.0	192	23.5	192	24.0	192	24.5	192	25.0	192	192.7
	22.0	20.0	209	21.7	209	22.3	209	22.9	209	23.5	209	24.1	209	24.7	209	25.3	209	25.9	209	26.5	209	209.2
	30.0	28.0	222	22.3	222	22.9	222	23.5	222	24.1	222	24.7	222	25.3	222	25.9	222	26.5	222	27.1	222	222.7
	35.0	32.0	235	22.8	235	23.4	235	24.0	235	24.6	235	25.2	235	25.8	235	26.4	235	27.0	235	27.6	235	235.2
	39.0	36.0	249	23.4	249	24.0	249	24.6	249													

Heating capacity

Combi- ration (%)	Outdoor air temp. (F/DB) (F/WB)	Indoor air Temp. F/DB																	
		61			65			68			70			72			75		
		TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH
70	-3.64	-4.0	147	20.7	147	21.3	146	21.8	146	22.1	146	22.3	140	22.3	132	20.8			
	-1.84	-2.2	150	20.9	149	21.5	149	22.0	149	22.1	149	22.3	140	22.3	132	20.8			
	0.5	0.6	152	21.0	151	21.6	151	22.1	151	22.2	151	22.4	140	22.4	132	20.8			
	1.3	1.0	154	21.1	153	21.7	153	22.2	153	22.3	153	22.5	140	22.5	132	20.8			
	1.9	1.5	156	21.2	155	21.8	155	22.3	155	22.4	155	22.6	140	22.6	132	20.8			
	2.5	2.0	158	21.3	157	21.9	157	22.4	157	22.5	157	22.7	140	22.7	132	20.8			
	3.1	2.6	160	21.4	159	22.0	159	22.5	159	22.6	159	22.8	140	22.8	132	20.8			
	3.7	3.2	162	21.5	161	22.1	161	22.6	161	22.7	161	22.9	140	22.9	132	20.8			
	4.3	3.8	164	21.6	163	22.2	163	22.7	163	22.8	163	23.0	140	23.0	132	20.8			
	4.9	4.4	166	21.7	165	22.3	165	22.8	165	22.9	165	23.1	140	23.1	132	20.8			
	5.5	5.0	168	21.8	167	22.4	167	22.9	167	23.0	167	23.2	140	23.2	132	20.8			
	6.1	5.6	170	21.9	169	22.5	169	23.0	169	23.1	169	23.3	140	23.3	132	20.8			
60	-3.64	-4.0	146	22.1	146	22.7	146	23.1	146	23.3	140	23.3	140	23.3	132	20.8			
	-1.84	-2.2	149	22.3	148	22.8	148	23.2	148	23.2	146	23.2	140	23.2	132	20.8			
	0.5	0.6	151	22.4	150	23.0	151	23.4	151	23.4	146	23.4	140	23.4	132	20.8			
	1.1	0.8	153	22.5	152	23.1	152	23.5	152	23.5	146	23.5	140	23.5	132	20.8			
	1.7	1.4	155	22.6	154	23.2	154	23.6	154	23.6	146	23.6	140	23.6	132	20.8			
	2.3	2.0	157	22.7	156	23.3	156	23.7	156	23.7	146	23.7	140	23.7	132	20.8			
	2.9	2.6	159	22.8	158	23.4	158	23.8	158	23.8	146	23.8	140	23.8	132	20.8			
	3.5	3.2	161	22.9	160	23.5	160	23.9	160	23.9	146	23.9	140	23.9	132	20.8			
	4.1	3.8	163	23.0	162	23.6	162	24.0	162	24.0	146	24.0	140	24.0	132	20.8			
	4.7	4.4	165	23.1	164	23.7	164	24.1	164	24.1	146	24.1	140	24.1	132	20.8			
	5.3	5.0	167	23.2	166	23.8	166	24.2	166	24.2	146	24.2	140	24.2	132	20.8			
	5.9	5.6	169	23.3	168	23.9	168	24.3	168	24.3	146	24.3	140	24.3	132	20.8			
50	-3.64	-4.0	142	22.6	133	20.9	126	19.6	122	18.8	117	18.0	110	16.8					
	-1.84	-2.2	142	22.1	133	20.4	126	19.2	122	18.4	117	17.6	110	16.4					
	0.5	0.6	142	20.0	133	18.5	126	17.5	122	16.7	117	16.0	110	15.0					
	1.1	0.8	142	19.0	133	17.6	126	16.6	122	15.9	117	15.3	110	14.3					
	1.7	1.4	142	18.0	133	16.7	126	15.7	122	15.1	117	14.5	110	13.6					
	2.3	2.0	142	17.0	133	15.8	126	14.8	122	14.3	117	13.8	110	12.8					
	2.9	2.6	142	16.0	133	14.9	126	14.0	122	13.5	117	13.0	110	12.0					
	3.5	3.2	142	15.0	133	14.0	126	13.2	122	12.7	117	12.3	110	11.3					
	4.1	3.8	142	14.0	133	13.1	126	12.4	122	11.9	117	11.5	110	10.7					
	4.7	4.4	142	13.0	133	12.2	126	11.6	122	11.3	117	11.1	110	10.3					
	5.3	5.0	142	12.0	133	11.3	126	10.8	122	10.4	117	10.0	110	9.46					
	5.9	5.6	142	11.0	133	10.4	126	10.0	122	9.82	117	9.46	110	8.92					

TC : Total capacity ; MBH  
 PI : Power Input ; kW (Comp.+Outdoor fan motor)  
 Note1 : is shown as reference  
 Note 2 :The above table shows the average value of conditions which may occur.



Heating capacity

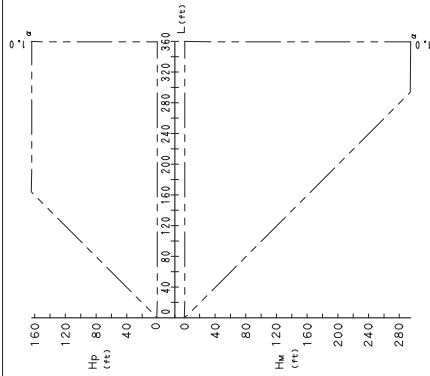
Combi- ration (%)	Outdoor air temp. (F/DB) (F/WB)	Indoor air Temp. F/DB															
		61			65			70			75						
		TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH				
70	-3.64	-4.0	152	20.5	21.2	151	21.7	151	22.1	150	23.2	150	23.5	150	23.8	147	23.6
	-1.84	-2.2	154	20.7	21.4	154	21.9	153	22.3	153	23.6	153	23.9	147	23.1	23.0	23.0
	0.5	0.9	157	21.0	21.7	156	22.2	156	22.6	156	23.9	156	24.2	147	22.5	22.5	22.5
	1.3	1.7	161	21.3	22.0	160	22.5	159	23.0	160	24.2	160	24.5	147	22.8	22.8	22.8
	2.1	2.5	165	21.6	22.3	164	22.8	163	23.3	164	24.5	164	24.8	147	23.1	23.1	23.1
	2.9	3.3	169	21.9	22.6	168	23.1	167	23.6	168	24.8	168	25.1	147	23.4	23.4	23.4
	3.7	4.1	173	22.2	22.9	172	23.4	171	23.9	172	25.1	172	25.4	147	23.7	23.7	23.7
	4.5	4.9	177	22.5	23.2	176	23.7	175	24.2	176	25.4	176	25.7	147	24.0	24.0	24.0
	5.3	5.7	181	22.8	23.5	180	24.0	179	24.5	180	25.7	180	26.0	147	24.3	24.3	24.3
	6.1	6.5	185	23.1	23.8	184	24.3	183	24.8	184	26.0	184	26.3	147	24.6	24.6	24.6
60	-3.64	-4.0	151	22.1	22.7	150	23.2	150	23.5	150	23.8	147	23.6	147	23.6	147	23.6
	-1.84	-2.2	153	22.3	22.9	153	23.3	153	23.6	153	23.9	147	23.9	147	23.1	23.1	23.1
	0.5	0.9	156	22.6	23.2	156	23.6	156	23.9	156	24.2	156	24.5	147	24.4	24.4	24.4
	1.3	1.7	160	22.9	23.5	160	23.9	160	24.2	160	24.5	160	24.8	147	24.7	24.7	24.7
	2.1	2.5	164	23.2	23.8	164	24.2	164	24.5	164	24.8	164	25.1	147	25.0	25.0	25.0
	2.9	3.3	168	23.5	24.1	168	24.5	168	24.8	168	25.1	168	25.4	147	25.3	25.3	25.3
	3.7	4.1	172	23.8	24.4	172	24.8	172	25.1	172	25.4	172	25.7	147	25.6	25.6	25.6
	4.5	4.9	176	24.1	24.7	176	25.1	176	25.4	176	25.7	176	26.0	147	25.9	25.9	25.9
	5.3	5.7	180	24.4	25.0	180	25.4	180	25.7	180	26.0	180	26.3	147	26.2	26.2	26.2
	6.1	6.5	184	24.7	25.3	184	25.7	184	26.0	184	26.3	184	26.6	147	26.5	26.5	26.5
50	-3.64	-4.0	150	22.7	23.3	149	23.8	149	24.1	149	24.4	149	24.7	149	25.0	147	24.9
	-1.84	-2.2	153	23.0	23.6	152	24.1	152	24.4	152	24.7	152	25.0	147	25.3	25.3	25.3
	0.5	0.9	157	23.3	23.9	156	24.4	156	24.7	156	25.0	156	25.3	147	25.6	25.6	25.6
	1.3	1.7	161	23.6	24.2	160	24.7	160	25.0	160	25.3	160	25.6	147	25.9	25.9	25.9
	2.1	2.5	165	23.9	24.5	164	25.0	164	25.3	164	25.6	164	25.9	147	26.2	26.2	26.2
	2.9	3.3	169	24.2	24.8	168	25.3	168	25.6	168	25.9	168	26.2	147	26.5	26.5	26.5
	3.7	4.1	173	24.5	25.1	172	25.6	172	25.9	172	26.2	172	26.5	147	26.8	26.8	26.8
	4.5	4.9	177	24.8	25.4	176	25.9	176	26.2	176	26.5	176	26.8	147	27.1	27.1	27.1
	5.3	5.7	181	25.1	25.7	180	26.2	180	26.5	180	26.8	180	27.1	147	27.4	27.4	27.4
	6.1	6.5	185	25.4	26.0	184	26.5	184	26.8	184	27.1	184	27.4	147	27.7	27.7	27.7

TC : Total capacity ; MBH  
 PI : Power Input ; kW (Comp.+Outdoor fan motor)  
 Note1 : is shown as reference  
 Note 2 :The above table shows the average value of Outdoor air temperature range shown by

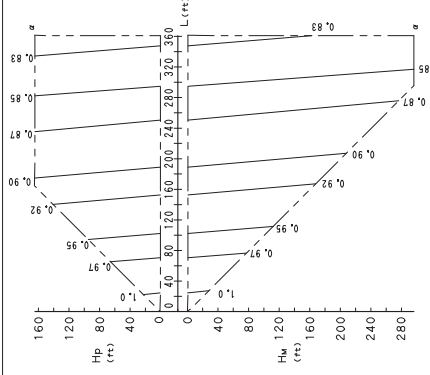
### 9.3 Capacity Correction Factor

#### RXYQ72PATJ

#### 2. Rate of change in heating capacity



#### 1. Rate of change in cooling capacity



[ Notes ]

- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions. Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
- With this outdoor unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
- Method of calculating A/C (cooling/heating) capacity:  
The maximum A/C capacity of the system will be either the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units as mentioned below, whichever smaller.  
Calculating A/C capacity of outdoor units  
  - Condition: Indoor unit combination ratio does not exceed 100%.  

$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at the 100\% combination}$$
    - Capacity change rate due to piping length to the farthest indoor unit  

$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at the combination}$$
      - Capacity change rate due to piping length to the farthest indoor unit  

$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at the combination}$$

- When overall equivalent pipe length is 295,3ft or more, the diameter of the main gas and liquid pipes (outdoor unit-branch sections) must be increased.  
When level difference is 164,0ft or more, the diameter of the main liquid pipe (outdoor unit-branch sections) must be increased.  
[ Diameter of above case ]

Model	gas	liquid
RXYQ72PATJ	φ 7/8	φ 1/2

[ Explanation of symbols ]  
 Hp : Level difference(ft) between indoor and outdoor units  
 Where indoor unit in inferior position  
 Hw : Level difference(ft) between indoor and outdoor units  
 Where indoor unit in superior position  
 L : Equivalent pipe length(ft)  
 α : Rate of change in cooling / heating Capacity  
 [ Diameter of the main pipes(standard size) ]

Model	gas	liquid
RXYQ72PATJ	φ 3/4	φ 3/8

[ Temper grade and Thickness ]

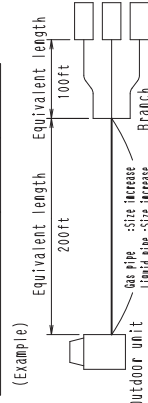
Temper grade	0 Type	1/2H Type
Outer diameter	φ 3/8	φ 1/2
Minimum Wall Thickness	0.80	0.80
	0.80	0.80

- Read cooling / heating capacity rate of change in the above figures based on the following equivalent length.

$$\text{Overall equivalent length} = (\text{Equivalent length to main pipe}) \times \text{Correction factor} + (\text{Equivalent length after branching})$$

Choose a correction factor from the following table.  
 When cooling capacity is calculated: gas pipe size  
 When heating capacity is calculated: liquid pipe size

Rate of change (object piping)	Correction factor
Cooling (gas pipe)	Standard size
Heating (liquid pipe)	Size increase
	1.0
	0.5
	1.0
	0.2

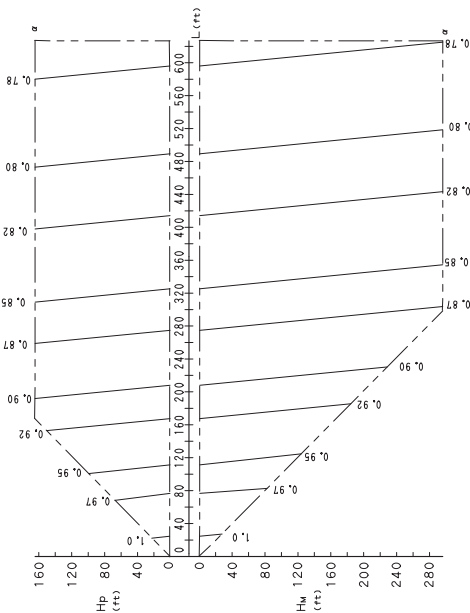


The rate of change in cooling capacity when Hp=0ft is thus approximately 0.86 heating capacity when Hp=0ft is thus approximately 1.0

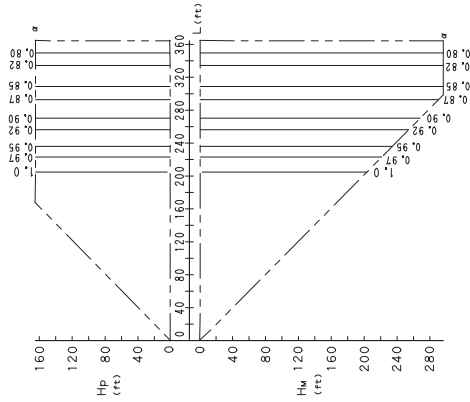


RXYQ96PATJ

1. Rate of change in cooling capacity



2. Rate of change in heating capacity



[Explanation of symbols]  
 Hp : Level difference(ft) between indoor and outdoor units where indoor unit in inferior position  
 Hm : Level difference(ft) between indoor and outdoor units where indoor unit in superior position  
 L : Equivalent pipe length(ft)  
 α : Rate of change in cooling / heating capacity

[Diameter of the main pipes(standard size)]

Model	gas	liquid
RXYQ96PATJ	φ 7/8	φ 3/8

[Temper grade and Thickness]

Temper grade	Q Type	1/2H Type
Outer diameter	φ 3/8	φ 1/2
Minimum wall Thickness	0.80	0.80
	0.80	0.88

[Notes]

- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions. Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
- With this outdoor unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system will be either the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units as mentioned below, whichever smaller.  
 Calculating A/C capacity of outdoor units  
 • Condition: Indoor unit combination ratio does not exceed 100%.  
 $[\text{Maximum A/C capacity of outdoor units}] = \text{A/C capacity of outdoor units obtained from capacity characteristic table at the 100\% combination}$   
 $\times [\text{Capacity change rate due to piping length to the farthest indoor unit}]$   
 • Condition: Indoor unit combination ratio exceeds 100%.  
 $[\text{Maximum A/C capacity of outdoor units}] = \text{A/C capacity of outdoor units obtained from capacity characteristic table at the combination}$   
 $\times [\text{Capacity change rate due to piping length to the farthest indoor unit}]$   
 $\times [\text{Capacity change rate due to piping length to the farthest indoor unit}]$   
 When overall equivalent pipe length is 295.3ft or more, the diameter of the main gas and liquid pipes (outdoor unit-branch sections) must be increased.  
 When level difference is 164.0ft or more, the diameter of the main liquid pipe (outdoor unit-branch sections) must be increased.  
 [Diameter of above case]

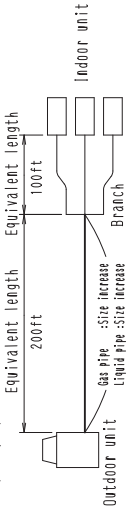
Model	gas	liquid
RXYQ96PATJ	φ 1	φ 1/2

5. Read cooling / heating capacity rate of change in the above figures based on the following equivalent length,  
 Overall equivalent length=  
 (Equivalent length to main pipe) × Correction factor + (Equivalent length after branching)

Choose a correction factor from the following table,  
 [When cooling capacity is calculated: gas pipe size  
 [When heating capacity is calculated: liquid pipe size

Rate of change (Object Piping)	Correction factor
Cooling (gas pipe)	Standards size increase
Heating (liquid pipe)	Standards size increase
	1.0
	0.5
	1.0
	0.2

(Example)

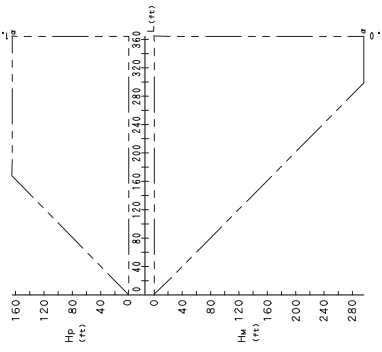


In the above case  
 (Cooling) Overall equivalent length = 200ft × 0.5 + 100ft = 200ft  
 (Heating) Overall equivalent length = 200ft × 0.2 + 100ft = 140ft

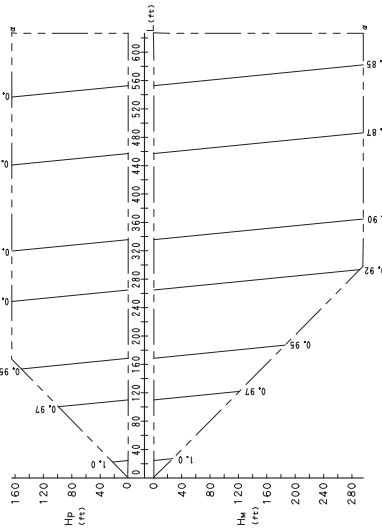
The rate of change in cooling capacity when Hp=0ft is thus approximately 0.87  
 heating capacity when Hp=0ft is thus approximately 1.0

RXYQ108, 144PATJ

2. Rate of change in heating capacity



1. Rate of change in cooling capacity



[Explanation of symbols]  
 HP : Level difference (between indoor and outdoor units where indoor unit in inferior position)  
 HM : Level difference (between indoor and outdoor units where indoor unit in superior position)  
 L : Equivalent pipe length (ft)  
 α : Rate of change in cooling / heating capacity  
 [Diameter of the main pipes (standard size)]

Model	gas	liquid
RXY0108, 144PATJ	φ 1-1/8	φ 1/2

[Temper grade and Thickness]

Temper grade	□ Type	1/2H Type
Outer diameter	φ 1/2	φ 5/8
Minimum Wall Thickness	0.80	0.99
		0.80
		0.99
		1.21

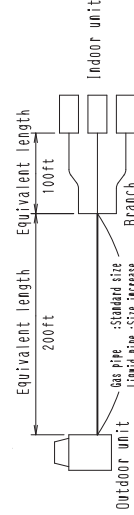
5. Read cooling / heating capacity rate of change in the above figures based on the following equivalent length.

Overall equivalent length=  
 (Equivalent length to main pipe) × Correction factor + (Equivalent length after branching)

Choose a correction factor from the following table.

[When cooling capacity is calculated: gas pipe size  
 When heating capacity is calculated: liquid pipe size]

Rate of change (object piping)	Correction factor
Standard size	1.0
Size increase	1.08-1.44
Cooling (Gas pipe)	1.0
Heating (Liquid pipe)	1.0
	0.3



In the above case  
 (Cooling) Overall equivalent length = 200ft × 1.0 + 100ft = 300ft  
 (Heating) Overall equivalent length = 200ft × 0.4 + 100ft = 180ft  
 The rate of change in cooling capacity when Hp=0ft is thus approximately 0.88  
 heating capacity when Hp=0ft is thus approximately 1.0

[Notes]

- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions. Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
- With this outdoor unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system will be either the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units as mentioned below, whichever smaller.  
 Calculating A/C capacity of outdoor units.  
 • Condition: Indoor unit combination ratio does not exceed 100%.  

$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at the 100\% combination}$$

$$\times \text{[Capacity change rate due to piping length to the farthest indoor unit]}$$
 • Condition: Indoor unit combination ratio exceeds 100%.  

$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at the combination}$$

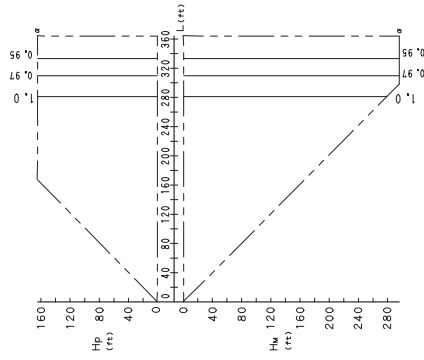
$$\times \text{[Capacity change rate due to piping length to the farthest indoor unit]}$$

- When overall equivalent pipe length is 295.3ft or more, the diameter of the main gas and liquid pipes (outdoor unit-branch sections) must be increased.  
 When level difference is 164.0ft or more, the diameter of the main liquid pipe (outdoor unit-branch sections) must be increased.  
 [Diameter of above case]

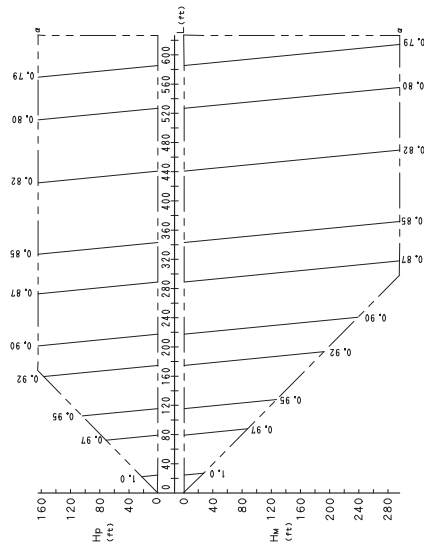
Model	gas	liquid
RXY0108, 144PATJ	Not increased	φ 5/8

RXYQ168PATJ

2. Rate of change in heating capacity



1. Rate of change in cooling capacity



[Explanation of symbols]  
 Hp: Level difference(ft)between indoor and outdoor units where indoor unit in inferior position  
 Hm: Level difference(ft)between indoor and outdoor units where indoor unit in superior position  
 L: Equivalent pipe length(ft)  
 α: Rate of change in cooling / heating Capacity

[Diameter of the main Pies(standard size) ]

Model	gas	liquid
RXYQ168PATJ	φ 1-1/8	φ 5/8

[Temper grade and Thickness ]

Temper grade	φ Type	1/2H Type
Outer diameter	φ 1/2 φ 5/8 φ 1-1/8 φ 1-1/4	
Minimum Wall Thickness	0.80 0.99 0.99 1.10	1.10

[Notes ]

5. Read cooling / heating capacity rate of change in the above figures based on the following equivalent length,

- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions. Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
- With this outdoor unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system will be either the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units as mentioned below, whichever smaller.  
 Calculating A/C capacity of outdoor units  
 • Condition: Indoor unit combination ratio does not exceed 100%.  

$$\frac{\text{Maximum A/C capacity of outdoor units}}{\text{Maximum A/C capacity of indoor units}} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at the 100\% combination}}{\text{Maximum A/C capacity of indoor units}} \times \text{Capacity change rate due to piping length to the farthest indoor unit}$$

$$\times \text{Capacity change rate due to piping length to the farthest indoor unit}$$

$$\times \text{Capacity change rate due to piping length to the farthest indoor unit}$$

Overall equivalent length= (Equivalent length to main pipe) × Correction factor ± (Equivalent length after branching)

Choose a correction factor from the following table.

[When heating capacity is calculated: gas pipe size  
 [When heating capacity is calculated: liquid pipe size

Rate of change (object piping)	Correction factor
Cooling ( gas pipe )	Standard size Size increase
Heating ( liquid pipe )	1.0 0.5
	1.0 0.3

Condition: Indoor unit combination ratio does not exceed 100%.  
 Capacity change rate due to piping length to the farthest indoor unit

Condition: Indoor unit combination ratio exceeds 100%.  
 Capacity change rate due to piping length to the farthest indoor unit

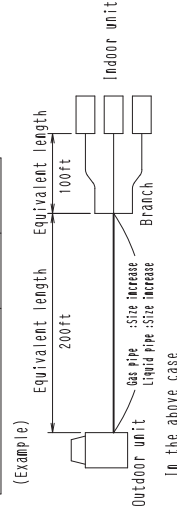
Condition: Indoor unit combination ratio exceeds 100%.  
 Capacity change rate due to piping length to the farthest indoor unit

Condition: Indoor unit combination ratio exceeds 100%.  
 Capacity change rate due to piping length to the farthest indoor unit

- When overall equivalent pipe length is 295,3ft or more, the diameter of the main gas and liquid pipes (outdoor unit-branch sections) must be increased.  
 When level difference is 164,0ft or more, the diameter of the main liquid pipe (outdoor unit-branch sections) must be increased.  
 [Diameter of above case ]

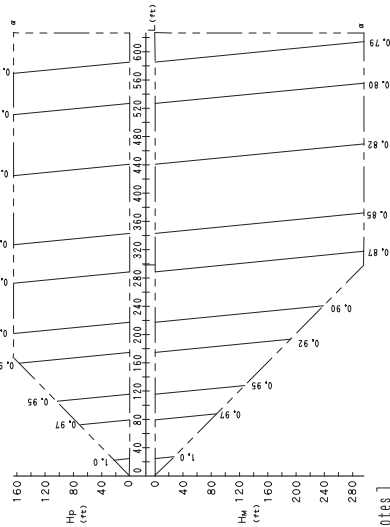
Model	gas	liquid
RXYQ168PATJ	φ 1-1/4	φ 3/4

The rate of change in cooling capacity when Hp=0ft is thus approximately 0.88  
 heating capacity when Hp=0ft is thus approximately 1.0

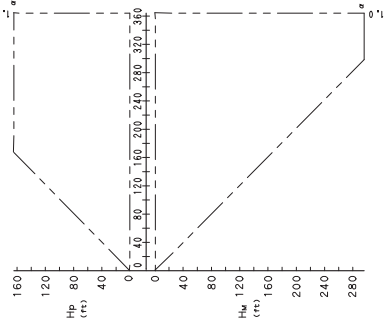


RXYQ192PATJ

1. Rate of change in cooling capacity



2. Rate of change in heating capacity



[Explanation of symbols]  
 Hp : Level difference (between indoor and outdoor units where indoor unit is inferior position)  
 Hw : Level difference (between indoor and outdoor units where indoor unit is superior position)  
 L : Equivalent pipe length (m)  
 α : Rate of change in cooling / heating Capacity  
 [Diameter of the main pipes (standard size)]

Model	gas	liquid
RXYQ192PATJ	φ 1-1/8	φ 5/8

[Notes]

- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions. Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
- With this outdoor unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system will be either the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units as mentioned below, whichever smaller.  
 Calculating A/C capacity of outdoor units  
 • Condition: Indoor unit combination ratio does not exceed 100%.  

$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at the 100\% combination}$$

$$\times \text{Capacity change rate due to piping length to the farthest indoor unit}$$
 • Condition: Indoor unit combination ratio exceeds 100%.  

$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at the combination}$$

$$\times \text{Capacity change rate due to piping length to the farthest indoor unit}$$

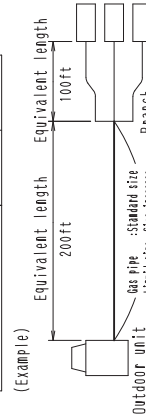
- When overall equivalent pipe length is 295.3ft or more, the diameter of the main gas and liquid pipes (outdoor unit-branch sections) must be increased.  
 When level difference is 164.0ft or more, the diameter of the main liquid pipe (outdoor unit-branch sections) must be increased.  
 [Diameter of above case]

Model	gas	liquid
RXYQ192PATJ	φ 1-1/4	φ 3/4

- Read cooling / heating capacity rate of change in the above figures based on the following equivalent length,  
 Overall equivalent length =  

$$\text{Equivalent length to main pipe} \times \text{Correction factor} + \text{Equivalent length after branching}$$
 Choose a correction factor from the following table.  
 When cooling capacity is calculated: gas pipe size  
 When heating capacity is calculated: liquid pipe size

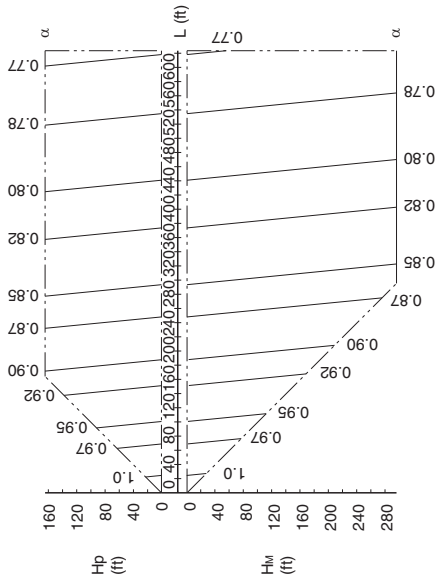
Rate of Change (object piping)	Correction factor
Cooling (gas pipe)	1.0
Heating (liquid pipe)	1.0
	0.5
	0.4



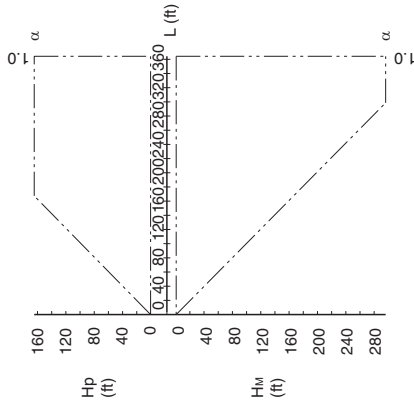
In the above case  
 (Cooling) Overall equivalent length = 200ft × 1.0 + 100ft = 300ft  
 (Heating) Overall equivalent length = 200ft × 0.4 + 100ft = 180ft  
 The rate of change in cooling capacity when Hp=0ft is thus approximately 0.83  
 heating capacity when Hp=0ft is thus approximately 1.0

RXYQ216PTJUR

1. Rate of change in cooling capacity



2. Rate of change in heating capacity



[Explanation of symbols]  
 Hp : Level difference (ft) between indoor and outdoor units where indoor unit in inferior position  
 Hm : Level difference (ft) between indoor and outdoor units where indoor unit in superior position  
 L : Equivalent pipe length (ft)  
 $\alpha$  : Rate of change in cooling/heating Capacity

[Diameter of the main pipes (standard size)]

Model	gas	liquid
RXYQ216PYDNR	$\phi$ 1-1/8	$\phi$ 5/8
RXYQ216PTJUR	$\phi$ 1-1/8	$\phi$ 5/8

[Temper grade and Thickness]

Temper grade	<input type="checkbox"/> Type	1/2H Type
Outer diameter	$\phi$ 5/8	$\phi$ 3/4
Minimum Wall Thickness	0.99	0.80
		0.99
		1.10

[Notes]

- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions. Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
- With this outdoor unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system will be either the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units as mentioned below, whichever smaller.  
 Calculating A/C capacity of outdoor units  
 · Condition: Indoor unit combination ratio does not exceed 100%.  
 [Maximum A/C capacity of outdoor units] = A/C capacity of outdoor units obtained from capacity characteristic table at the 100% combination  
 x [Capacity change rate due to piping length to the farthest indoor unit]  
 · Condition: Indoor unit combination ratio exceeds 100%.  
 [Maximum A/C capacity of outdoor units] = A/C capacity of outdoor units obtained from capacity characteristic table at the combination  
 x [Capacity change rate due to piping length to the farthest indoor unit]

- When overall equivalent pipe length is 295.3ft or more, the diameter of the main gas and liquid pipes (outdoor unit-branch sections) must be increased.  
 When level difference is 164.0ft or more, the diameter of the main liquid pipe (outdoor unit-branch sections) must be increased.  
 [Diameter of above case]

Model	gas	liquid
RXYQ216PYDNR	$\phi$ 1-1/4	$\phi$ 3/4
RXYQ216PTJUR	$\phi$ 1-1/4	$\phi$ 3/4

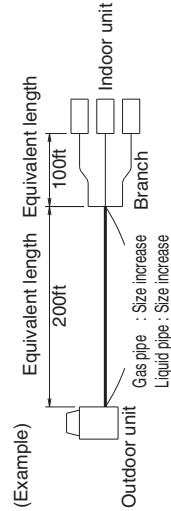
- Read cooling/heating capacity rate of change in the above figures based on the following equivalent length.

Overall equivalent length = (Equivalent length to main pipe) x Correction factor + (Equivalent length after branching)

Choose a correction factor from the following table.

- When cooling capacity is calculated : gas pipe size
- When heating capacity is calculated : liquid pipe size

Rate of change (object piping)	Correction factor
Cooling (gas pipe)	Standard size   Size increase 1.0   0.5
Heating (liquid pipe)	Standard size   Size increase 1.0   0.4



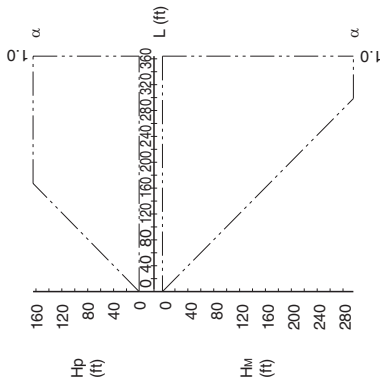
In the above case  
 (Cooling) Overall equivalent length = 200ft x 0.5 + 100ft = 200ft  
 (Heating) Overall equivalent length = 200ft x 0.4 + 100ft = 180ft

The rate of change in cooling capacity when Hp = 0ft is thus approximately 0.86  
 heating capacity when Hp = 0ft is thus approximately 1.0

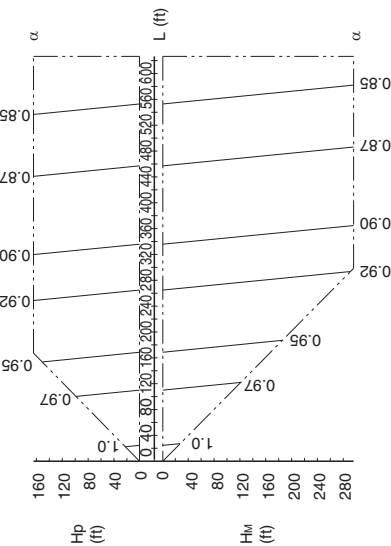
3D059678

RXYQ240PTJUR

2. Rate of change in heating capacity



1. Rate of change in cooling capacity



[Explanation of symbols]  
 Hp : Level difference (ft) between indoor and outdoor units where indoor unit in inferior position  
 Hm : Level difference (ft) between indoor and outdoor units where indoor unit in superior position  
 L : Equivalent pipe length (ft)  
 α : Rate of change in cooling/heating Capacity

[Diameter of the main pipes (standard size) ]

Model	gas	liquid
RXYQ240PYDNR RXYQ240PTJUR	φ 1-3/8	φ 5/8

[Temper grade and Thickness]

Temper grade	□ Type		1/2H Type	
	φ 1/2	φ 3/4	φ 7/8	φ 1-1/8
Outer diameter	φ 5/8	φ 3/4	φ 7/8	φ 1-1/8
Minimum Wall Thickness	0.80	0.99	0.80	0.99
	0.80	0.80	0.80	1.21

[Notes]

- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions. Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
- With this outdoor unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system will be either the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units as mentioned below, whichever smaller.  
 Calculating A/C capacity of outdoor units

Condition: Indoor unit combination ratio does not exceed 100%.

[Maximum A/C capacity of outdoor units] = A/C capacity of outdoor units obtained from capacity characteristic table at the 100% combination

× Capacity change rate due to piping length to the farthest indoor unit

Condition: Indoor unit combination ratio exceeds 100%.

[Maximum A/C capacity of outdoor units] = A/C capacity of outdoor units obtained from capacity characteristic table at the combination

× Capacity change rate due to piping length to the farthest indoor unit

× Capacity change rate due to piping length to the farthest indoor unit

4. When overall equivalent pipe length is 295.0ft or more, the diameter of the main gas and liquid pipes (outdoor unit-branch sections) must be increased.  
 When level difference is 164.0ft or more, the diameter of the main liquid pipe (outdoor unit-branch sections) must be increased.

Model	gas	liquid
RXYQ240PYDNR RXYQ240PTJUR	Not Increased	φ 3/4

- Read cooling/heating capacity rate of change in the above figures based on the following equivalent length.

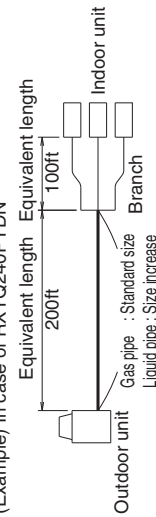
Overall equivalent length = (Equivalent length to main pipe) × Correction factor + (Equivalent length after branching)

Choose a correction factor from the following table.

- When cooling capacity is calculated : gas pipe size
- When heating capacity is calculated : liquid pipe size

Rate of change (object piping)	Correction factor	
	Standard size	Size increase
Cooling (gas pipe)	1.0	2/40
Heating (liquid pipe)	1.0	0/4

(Example) In case of RXYQ240PYDN



In the above case

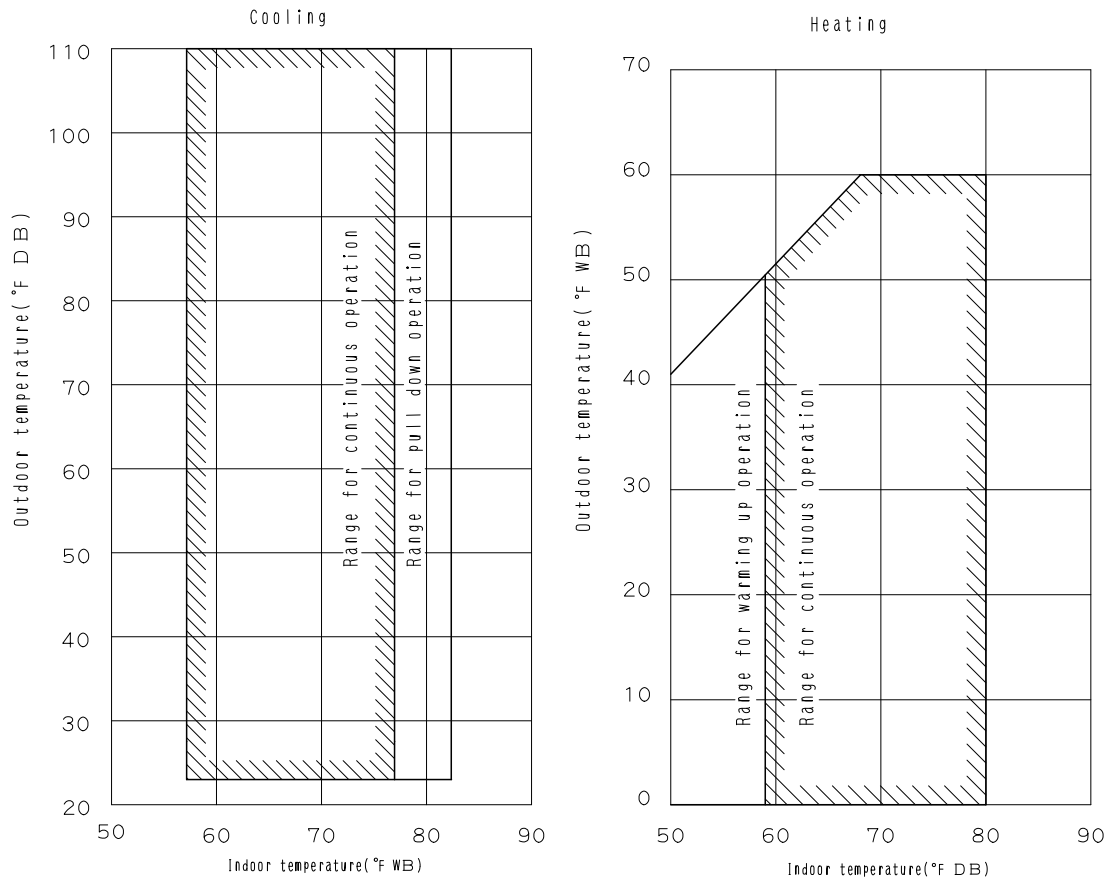
(Cooling) Overall equivalent length = 200ft × 1.0 + 100ft = 300ft

(Heating) Overall equivalent length = 200ft × 0.4 + 100ft = 180ft

The rate of change in cooling capacity when Hp = 0ft is thus approximately 0.88  
 heating capacity when Hp = 0ft is thus approximately 1.0

# 10. Operation Limits

RXYQ72, 96, 108, 144, 168, 192PATJ / 216~240PTJUR



Note: These figures assume the following operating conditions:  
 Indoor and outdoor units:  
 Equivalent pipe length: 25ft  
 Level difference: 0

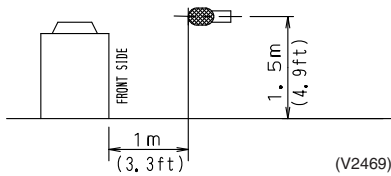
3D043026D

# 11. Sound Levels

## Overall

Model	Power Supply	60Hz/208V-230V
RXYQ72PATJ		58
RXYQ96PATJ		58
RXYQ108PATJ		60
RXYQ144PATJ		62
RXYQ168PATJ		61
RXYQ192PATJ		62
RXYQ216PTJUR		62
RXYQ240PTJUR		63

dBA



**Note:**

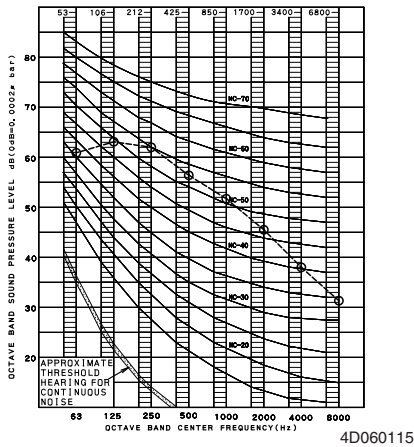
Sound level:

Anechoic chamber conversion value, measured at a point 3.3ft in front of the unit at a height of 4.9ft.

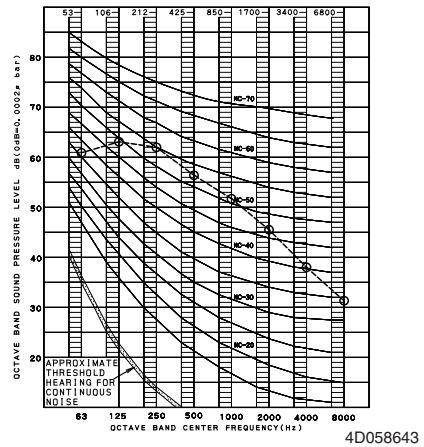
During actual operation, these values are normally somewhat higher as a result of ambient conditions.

## Octave Band Level

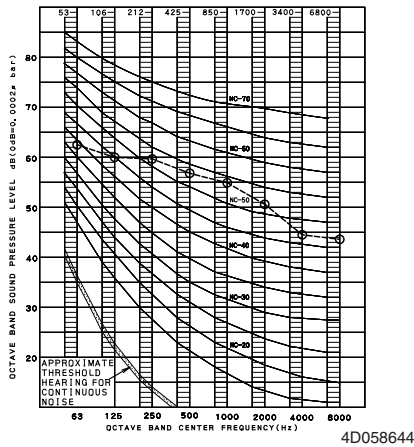
### RXYQ72PATJ



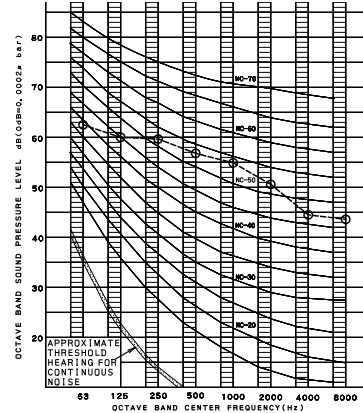
### RXYQ96PATJ



### RXYQ108PATJ



### RXYQ120PTJUR



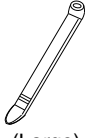
























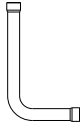















# 12. Accessories

## Standard Accessories

RXYQ72, 96, 108PATJ / 120PTJUR

Name	Clamp (1)	Clamp (2)	Clamp (3)	Vinyl tube	Conduit mounting plate		Manuals, etc.
Quantity	8 pcs.	2 pcs.	1 pc.	4 pcs.	2 pcs.	2 pcs.	1 pc. about each item
Shape	 (Small)		 (Large)				<ul style="list-style-type: none"> <li>• Operation manual</li> <li>• Installation manual</li> <li>• "REQUEST FOR THE INDICATON" label (Installation records)</li> <li>• Additional <i>Refrigerant Charge</i> label</li> </ul>

Name		Liquid side accessory pipe (1)	Liquid side accessory pipe (2)	Gas side accessory pipe (1)				Gas side accessory pipe (2)			
Quantity	72PA type	1 pc.	1 pc.	1 pc.					1 pc.		
	96PA type									1 pc.	
	108PA type 120PR type										1 pc.
Shape				 φ3/4	 φ7/8	 φ1	 φ1-1/8	 φ7/8	 φ1		

Name		High side equalizer accessory pipe (1)	High side equalizer accessory pipe (2)	Low side equalizer accessory pipe (1)	Low side equalizer accessory pipe (2)	L type accessory joint (1)	L type accessory joint (2)
Quantity	72PA type	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	2 pcs.
	96PA type						
	108PA type 120PR type						
Shape			 φ3/4	 O.D φ1	 I.D φ1	 φ1	 φ3/4

**Optional Accessories (For Unit)**

**RXYQ72~192PATJ / 216~240PTJUR**

Series		VRV III			
Models		RXYQ72PATJ RXYQ96PATJ	RXYQ108PATJ	RXYQ144PATJ RXYQ168PATJ	RXYQ192PATJ RXYQ216PTJUR / RXYQ240PTJUR
Optional accessories					
Distributive piping	Refnet header	Model	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)
		AS No.	AS3802560	AS3802560	AS3803567
		Z No.	—	—	—
	Refnet joint	Model	KHRP26A22T KHRP26A33T	KHRP26A22T KHRP26A33T KHRP26M72TU	KHRP26A22T KHRP26A33T KHRP26M72TU KHRP26M73TU
		AS No.	AS3802560 (KHRP26M22T, KHRP26M33T)	AS3803118 (KHRP26M72TU)	AS3803566 (KHRP26M73TU)
		Z No.	—	—	—
Outdoor unit multi connection piping kit	Model	—	BHFP22P100U		
	AS No.	—	—		
	Z No.	—	—		

C: 3D060089B



**Warning**



- Daikin Industries, Ltd.'s products are manufactured for export to numerous countries throughout the world. Daikin Industries, Ltd. does not have control over which products are exported to and used in a particular country. Prior to purchase, please therefore confirm with your local authorized importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorized parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any inquiries, please contact your local importer, distributor and/or retailer.



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**Cautions on product corrosion**

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.



JMI-0107

Organization:  
DAIKIN INDUSTRIES, LTD.  
AIR CONDITIONING MANUFACTURING DIVISION

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



JQA-1452

Organization:  
DAIKIN INDUSTRIES  
(THAILAND) LTD.

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



EC99J2044

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

**Dealer**

**DAIKIN AC (AMERICAS), INC.**  
1645 Wallace Drive, Suite 110  
Carrollton, TX75006  
info@daikinac.com  
www.daikinac.com

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