



EDUS 391001 - R2_a

R-410A

Engineering Data



**REYQ-PAYD
/ PYDNR**

**3 phase
460V, 60Hz**

DAIKIN AC (AMERICAS), INC.

REYQ-PAYD / PYDNR

Heat Recovery

3 phase

460V, 60Hz

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1. Specifications

Model Name		REYQ72PAYD	REYQ96PAYD	REYQ120PAYD
Power Supply		3 phase, 460V, 60Hz	3 phase, 460V, 60Hz	3 phase, 460V, 60Hz
Nominal Cooling Capacity★ ¹	Btu / h	72,000	96,000	120,000
Rated Cooling Capacity	Btu / h	70,000	92,000	114,000
Rated Cooling Input Power (System)	kW	5.56	7.93	10.36
Rated Full Load EER (System)★ ^{1,3}		12.6	11.6	11.0
Nominal Heating Capacity★ ²	Btu / h	81,000	108,000	135,000
Rated Heating Capacity	Btu / h	77,000	103,000	130,000
Rated Heating Input Power (System)	kW	6.4	8.9	11.5
Rated Full Load COP (System)★ ^{2,3}		3.5	3.4	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 51-3/16 x 30-1/8 (1680 x 1300 x765)	66-1/8 x 51-3/16 x 30-1/8 (1680 x 1300 x765)	66-1/8 x 51-3/16 x 30-1/8 (1680 x 1300 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 ³ /h	7.88+10.53	13.34+10.53
	Number of Revolutions	r.p.m	3720, 2900	6300, 2900
	Motor OutputxNumber of Units	kW	(1.0+4.5) x 1	(2.2+4.5) x 1
Starting Method		Soft Start	Soft Start	Soft Start
Fan	Type	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output	kW	(0.35) x 2	(0.35) x 2
	Air Flow Rate	cfm	6,700	7,410
	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)
	Suction Gas Pipe	in. (mm)	φ 3/4 (19.1) C1220T (Brazing Connection)	φ 1-1/8 (28.6) C1220T (Brazing Connection)
	High and Low Pressure Gas Pipe	in. (mm)	φ 5/8 (15.8) C1220T (Brazing Connection)	φ 3/4 (19.1) C1220T (Brazing Connection)
Mass	Lbs (kg)	732 (332)	732 (332)	732 (332)
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	R-410A
	Charge	Lbs (kg)	22.7 (10.1)	23.4 (10.6)
	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: 4D067223A	C: 4D067224A	C: 4D067225A

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.

Model Name (Combination Unit)		REYQ144PAYD	REYQ168PAYD	REYQ192PAYD
Model Name (Independent Unit)		REM72PAYD REM72PAYD	REM72PAYD REM96PAYD	REM96PAYD REM96PAYD
Power Supply		3 phase, 460V, 60Hz	3 phase, 460V, 60Hz	3 phase, 460V, 60Hz
Nominal Cooling Capacity★ ¹	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)★ ^{1,3}		12.2	11.4	10.7
Nominal Heating Capacity★ ²	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)★ ^{2,3}		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 930.3 x 765 + 1680 x 930 x 765)	66-1/8 x 36-5/8 x 30-1/8 + 66-1/8 x 36-5/8 x 30-1/8 (1680 x 930.3 x 765 + 1680 x 930 x 765)	66-1/8 x 36-5/8 x 30-1/8 + 66-1/8 x 36-5/8 x 30-1/8 (1680 x 930.3 x 765 + 1680 x 930 x 765)
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 ³ /h	(16.90) × 2	16.90 + (10.53+13.34)
	Number of Revolutions	r.p.m	(7980) × 2	7980, (2900, 6300)
	Motor Output×Number of Units	kW	(4.7) × 2	(4.7) × 1 + (2.2+4.5) × 1
Starting Method		Soft Start	Soft Start	Soft Start
Fan	Type	Propellor Fan	Propellor Fan	Propellor Fan
	Motor Output	kW	(0.75) × 1 + (0.75) × 1	(0.75) × 1 + (0.75) × 1
	Air Flow Rate	cfm	6,350+6,350	6,350+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)
	Suction Gas Pipe	in. (mm)	φ 1-1/8 (28.6) C1220T (Brazing Connection)	φ 1-1/8 (28.6) C1220T (Brazing Connection)
	High and Low Pressure Gas Pipe	in. (mm)	φ 7/8 (22.2) C1220T (Brazing Connection)	φ 7/8 (22.2) C1220T (Brazing Connection)
	Pressure Equalizer tube	in. (mm)	φ 3/4 (19.1) C1220T (Brazing Connection)	φ 3/4 (19.1) C1220T (Brazing Connection)
Mass	Lbs (kg)	463+463 (210+210)	463+573 (210+560)	573+573 (560+560)
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		
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: 4D067226A	C: 4D067227A	C: 4D067228A

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.

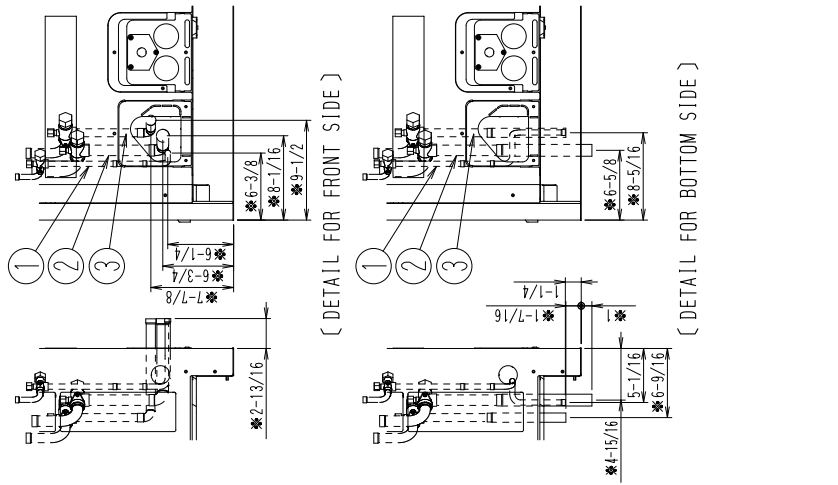
Model Name (Combination Unit)		REYQ216PYDNR	REYQ240PYDNR
Model Name (Independent Unit)		REMQ96PAYD REMQ120PYDNR	REMQ120PYDNR REMQ120PYDNR
Power Supply		3 Phase 60Hz 460V	3 Phase 60Hz 460V
Nominal Cooling Capacity★ ¹	Btu / h	216,000	240,000
Rated Cooling Capacity	Btu / h	206,000	240,000
Rated Cooling Input Power (System)	kW	19.43	24.49
Rated Full Load EER (System)★ ^{1,3}		10.60	9.80
Nominal Heating Capacity★ ²	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)★ ^{2,3}		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 ³ /h	(10.53+13.34) × 2
	Number of Revolutions	r.p.m	(2900, 6300) × 2
	Motor Output×Number of Units	kW	(2.2+4.5) × 1 + (3.5+4.5) × 1
Starting Method		Soft Start	Soft Start
Fan	Type	Propellor Fan	Propellor Fan
	Motor Output	kW	(0.75) × 1 + (0.75) × 1
	Air Flow Rate	cfm	6,530+7,060
	Drive		Direct Drive
Connecting Pipes	Liquid Pipe ★ ³	in (mm)	φ5/8" (15.8 mm) C1220T (Brazing Connection)
	Suction Gas Pipe ★ ³	in (mm)	φ 1-1/8" (28.6 mm) C1220T (Brazing Connection)
	High and Low Pressure Gas Pipe ★ ³	in (mm)	φ 1-1/8" (28.6 mm) C1220T (Brazing Connection)
	Pressure Equalizer Tube	in (mm)	φ 3/4" (19.1 mm) C1220T (Brazing Connection)
Mass	Lbs (kg)	573 lbs (259.9 kg) +573 lbs (259.9 kg)	573 lbs (259.9 kg) +573 lbs (259.9 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
	Charge	Lbs	19.8+20.1
	Control		Electronic Expansion Valve
Standard Accessories		Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		4D059669A	4D059670A

Notes:

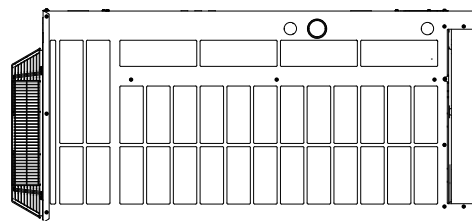
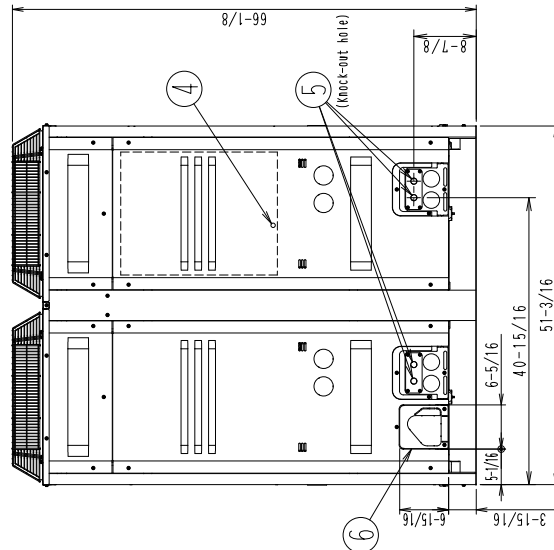
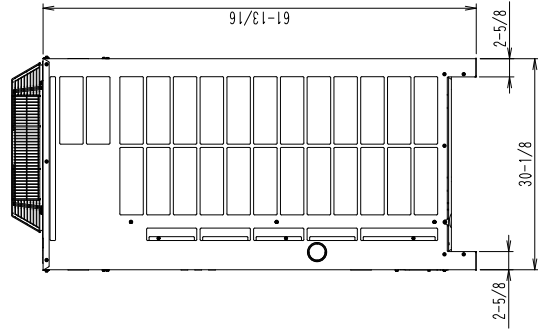
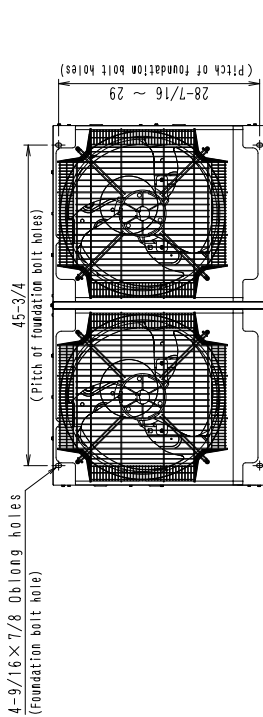
- ★¹ Indoor temp. : 80°FDB (27°CDB), 67°FWB(19.4°CWB) / outdoor temp. : 95°FDB (35°CDB) / Equivalent piping length : 25ft (7.5 m), level difference : 0 ft.
- ★² Indoor temp. : 70°FDB (21°CDB) / outdoor temp. : 47°FDB, 43°FWB /(8.3° CDB, 6° CWB) Equivalent piping length : 25ft (7.5 m), difference : 0 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

REYQ72, 96, 120PAYD



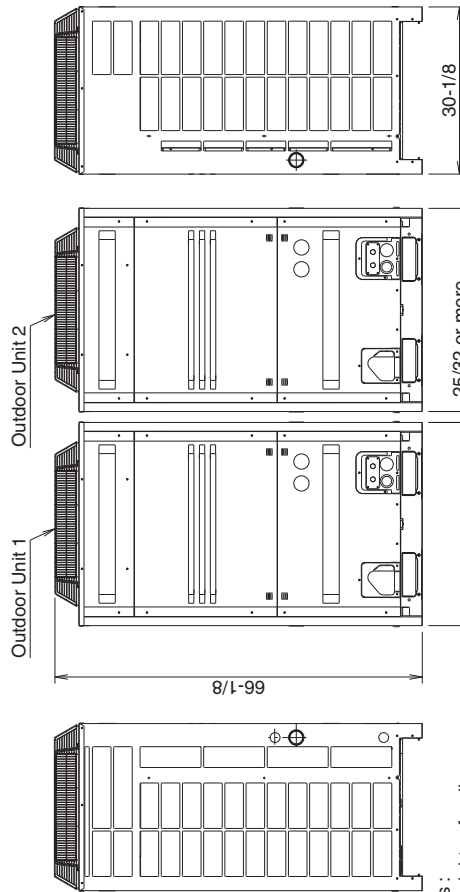
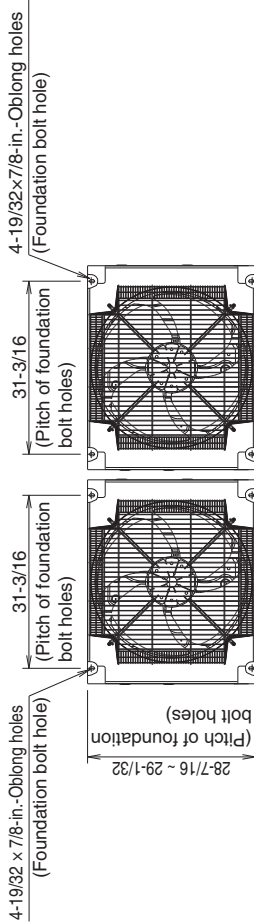
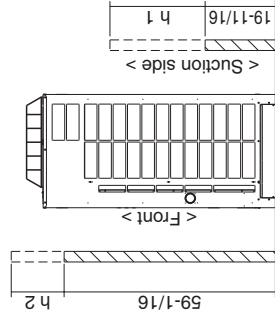
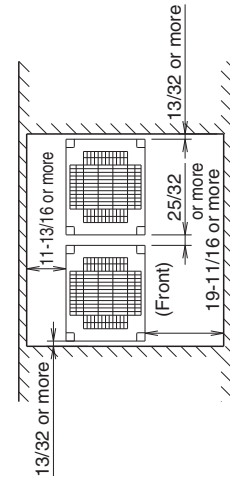
- Notes)
 1. For piping connection method(front and bottom sides), see the installation manual.
 2. High and low pressure gas pipe
 #5/8 Brazing connection...REYQ72P
 #3/4 Brazing connection...REYQ96, 120P
 Suction gas pipe
 #3/4 Brazing connection...REYQ72P
 #7/8 Brazing connection...REYQ96P
 #1-1/8 Brazing connection...REYQ120P
 Liquid pipe
 #3/8 Brazing connection...REYQ72, 96P
 #1/2 Brazing connection...REYQ120P
 3. * shows the dimensions after fitting the accessory pipes.



7	Pipe routing hole(bottom)	See note 1.
6	Pipe routing hole(front)	See note 1.
5	Power cord routing hole(front)	ø 7/8
4	Grounding terminal	Inside of el. comp. box(WO)
3	Gas pipe connection port. (only for RVQ144P)	See note 2.
3	High and low pressure gas pipe connection port	See note 2.
2	Suction gas pipe connection port	See note 2.
1	Liquid pipe connection port	See note 2.
No.	Parts name	Remarks

C:3D058618C

REYQ144, 168, 192PAYD / REYQ216~240PYDNR



Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
REYQ144PAYD	REMQ72PAYD	3D058617	REMQ72PAYD	3D058617
REYQ168PAYD	REMQ72PAYD	3D058617	REMQ96PAYD	3D058617
REYQ192PAYD	REMQ96PAYD	3D058617	REMQ96PAYD	3D058617
REYQ216PYDNR	REMQ96PAYD	3D058617	REMQ120PYDNR	3D058617
REYQ240PYDNR	REMQ120PYDNR	3D058617	REMQ120PYDNR	3D058617

3S :
 -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) 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.

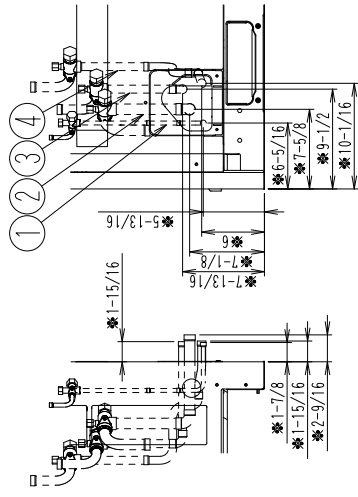
When installing the units the most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.

(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.)

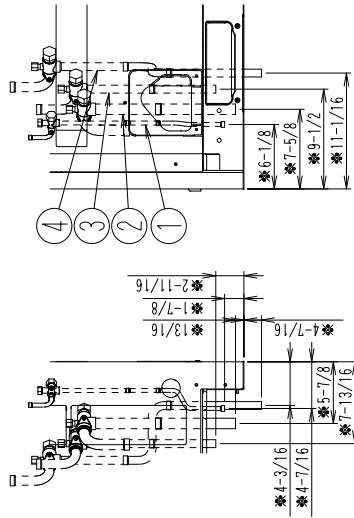
The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

C: 3D059677

REM72, 96PAYD / 120PYDNR

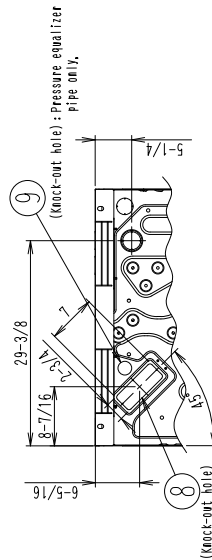
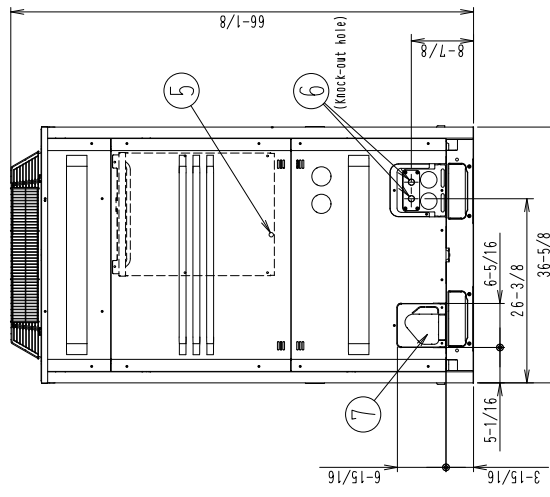
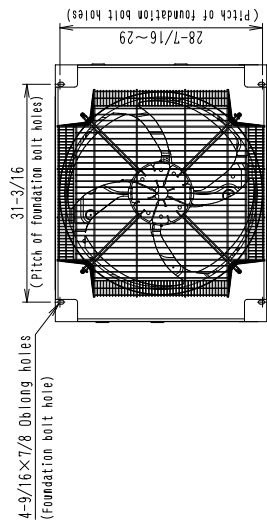
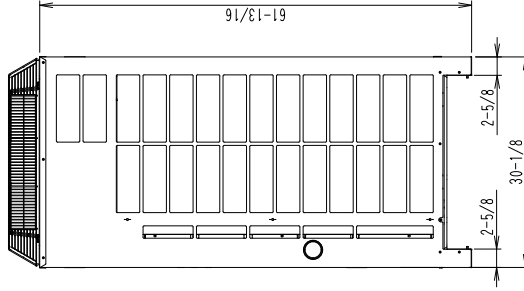


(DETAIL FOR FRONT SIDE)



(DETAIL FOR BOTTOM SIDE)

- Notes)
1. For piping connection method (front and bottom sides), see the installation manual.
 2. High and low pressure gas pipe
 3. $\phi 3/4$ Brazing connection---REM72, 96P Suction gas pipe
 4. $\phi 7/8$ Brazing connection---REM72, 96P Liquid pipe
 5. $\phi 3/8$ Brazing connection---REM72, 96P
 6. * shows the dimensions after fixing the accessory pipes.

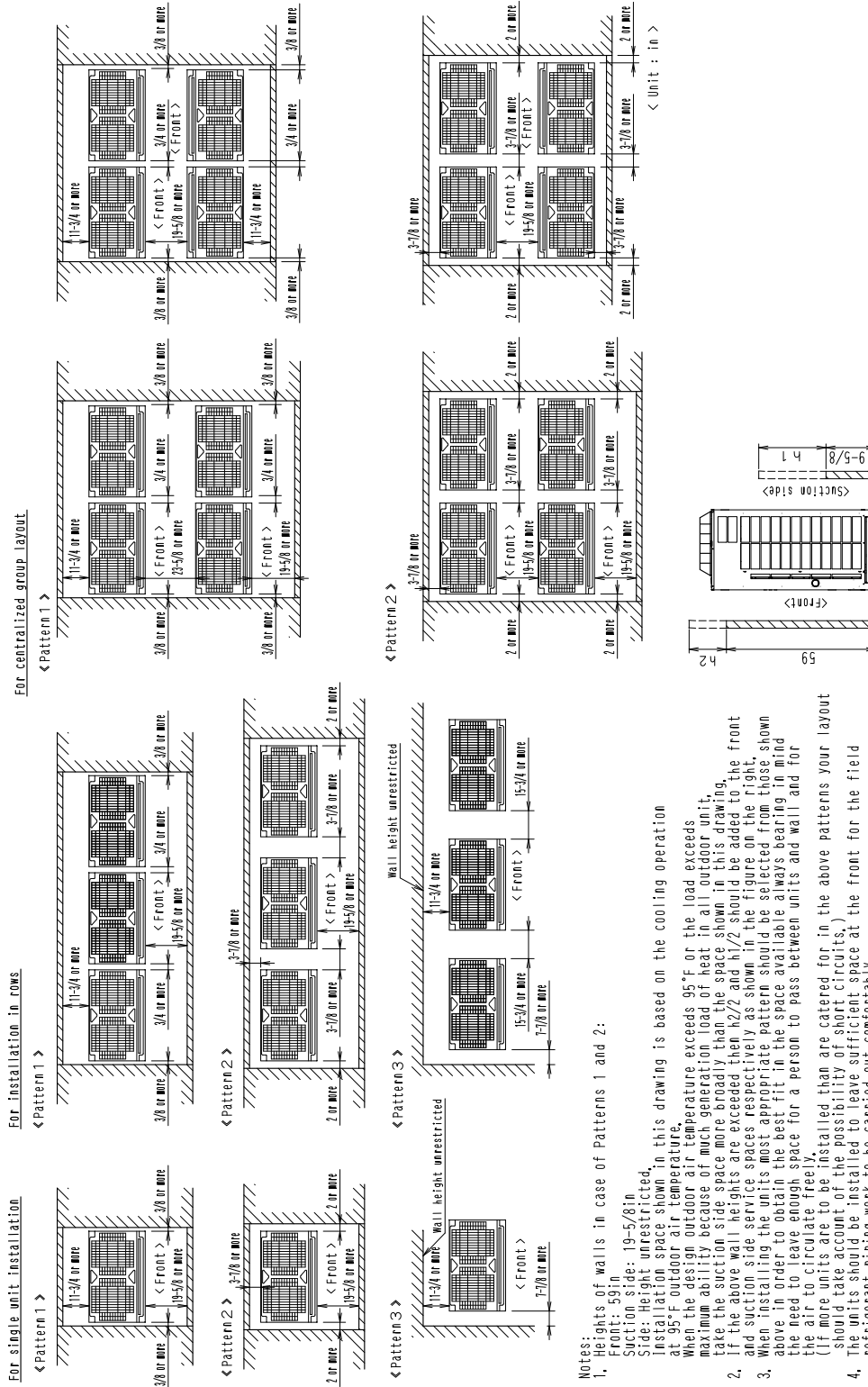


No.	Parts name	Remarks
9	Pipe routing hole(bottom)	$\phi 1-15/16$ See note 1.
8	Pipe routing hole(bottom)	See note 1.
7	Pipe routing hole(front)	See note 1.
6	Power cord routing hole(front)	$\phi 7/8$
5	Grounding terminal	Inside of el. cabs. box(W)
4	Pressure equalizer pipe connection port	$\phi 3/4$ Brazing connection
3	High and low pressure gas pipe connection port	See note 2.
2	Suction gas pipe connection port	See note 2.
1	Liquid pipe connection port	See note 2.

C: 3D058617B

3. Service Space

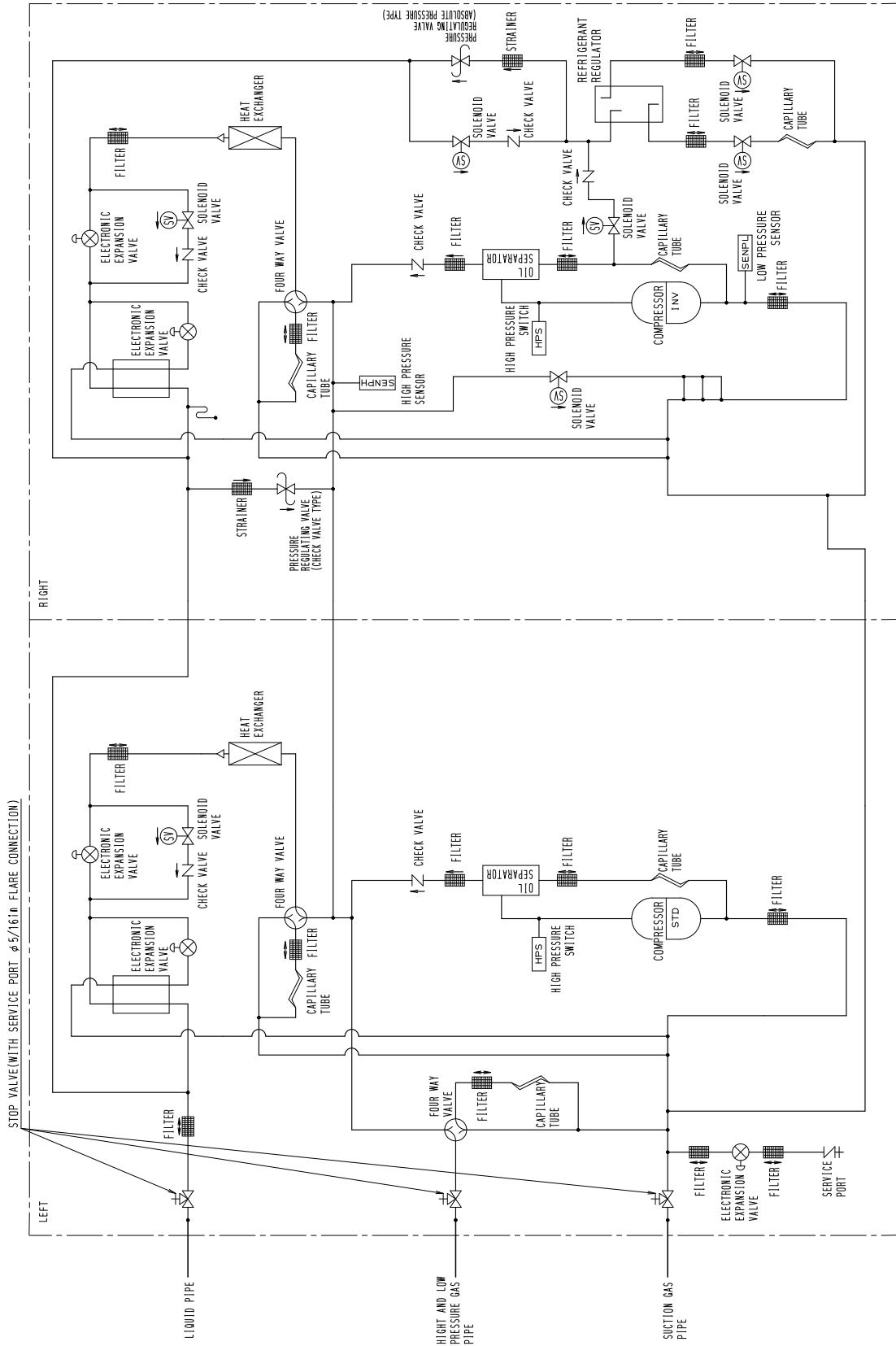
REYQ72, 96, 120, 144, 168, 192PAYD / 216~240PYDNR



- Notes:
1. Heights of walls in case of Patterns 1 and 2:
 Front: 59 in
 Suction side: 19-5/8 in
 Installation space shown in this drawing is based on the cooling operation at 95°F outdoor air temperature.
 When the design outdoor air temperature exceeds 95°F or the load exceeds maximum ability because of much generation load of heat in all outdoor unit, take the suction side space more broadly than the space shown in this drawing.
 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 figure on the right, and installing the units 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 space for a person to pass between units and wall and for the air to circulate freely.
 3. (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 field refrigerant piping work to be carried out comfortably.

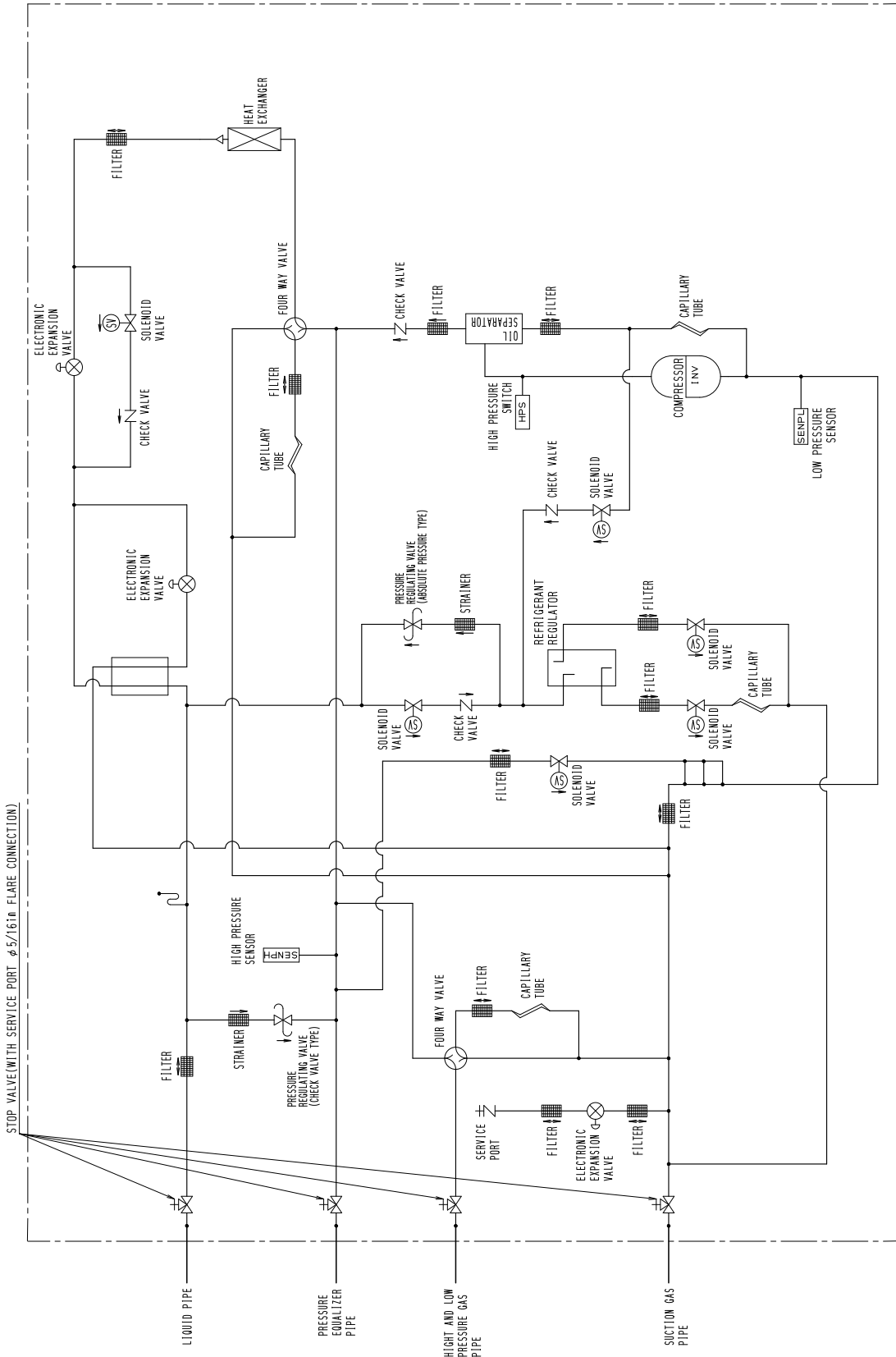
4. Piping Diagrams

REYQ72, 96, 120PAYD



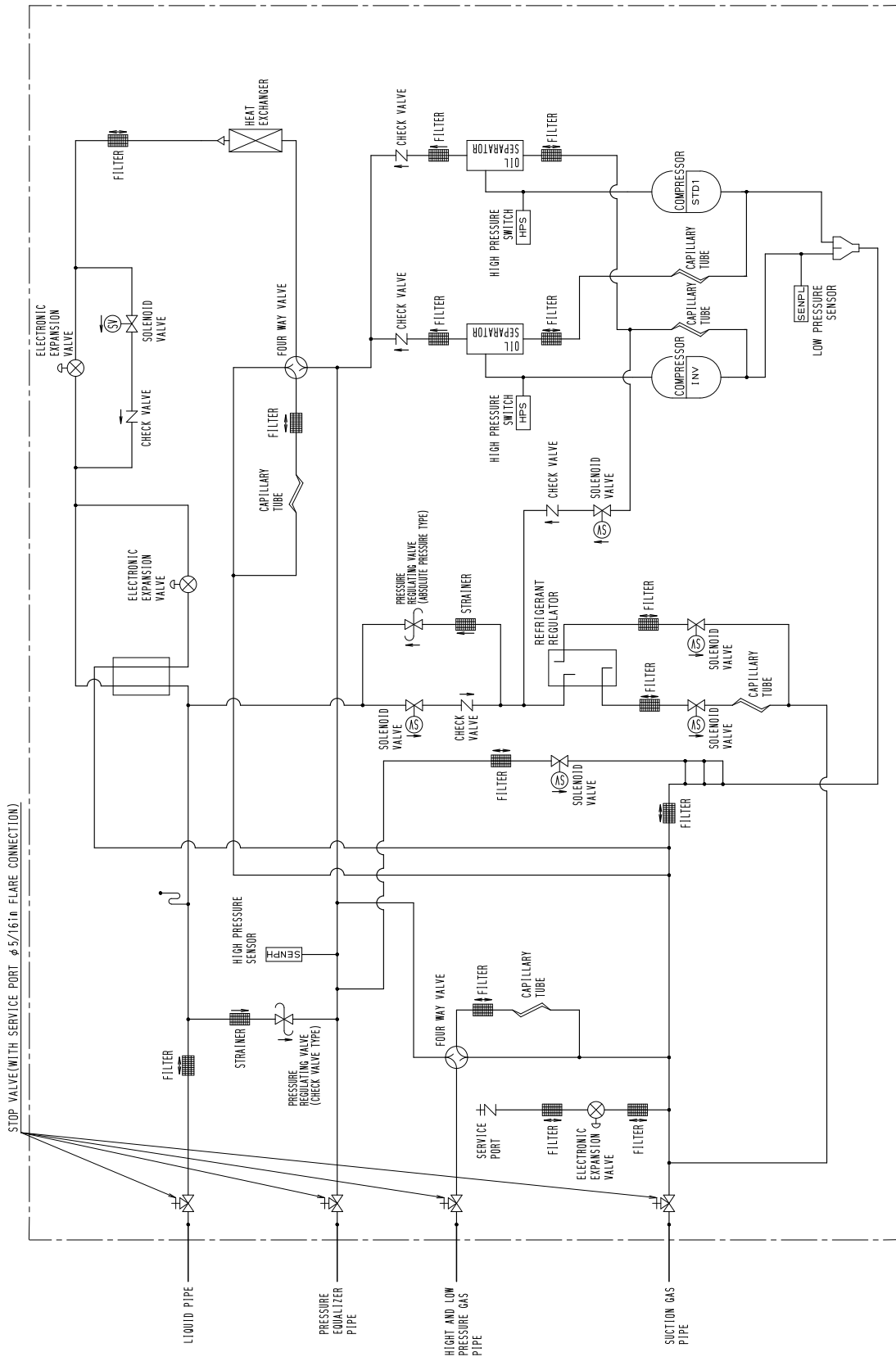
3D0586639B

REM72PAYD



3D058637B

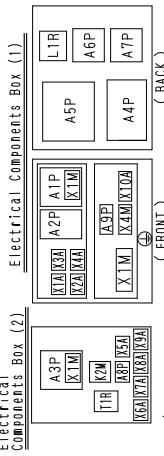
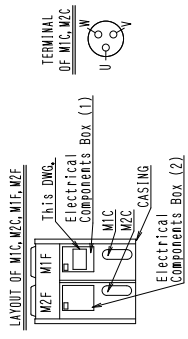
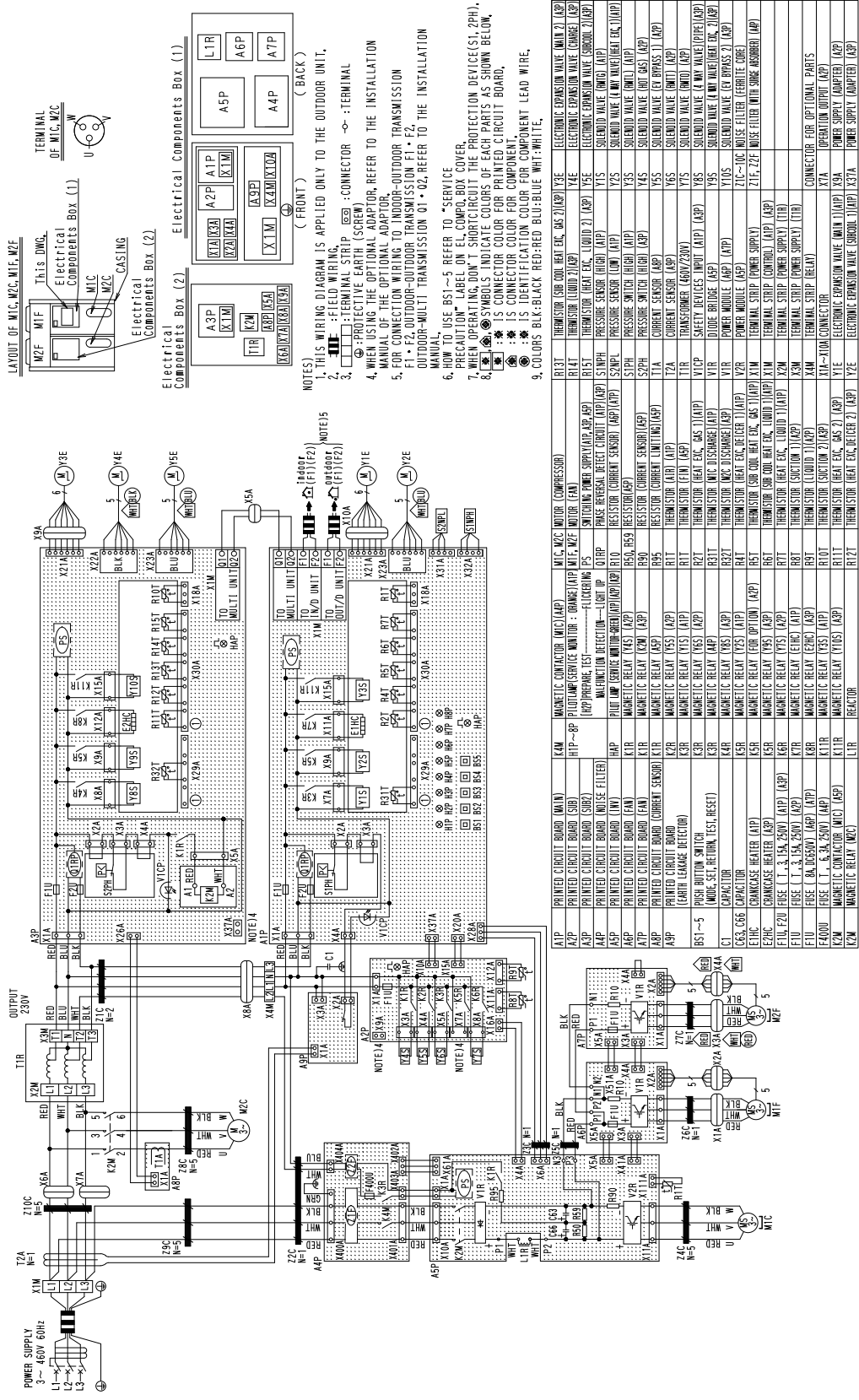
REMQ96PAYD / 120PYDNR



3D058638B

5. Wiring Diagrams

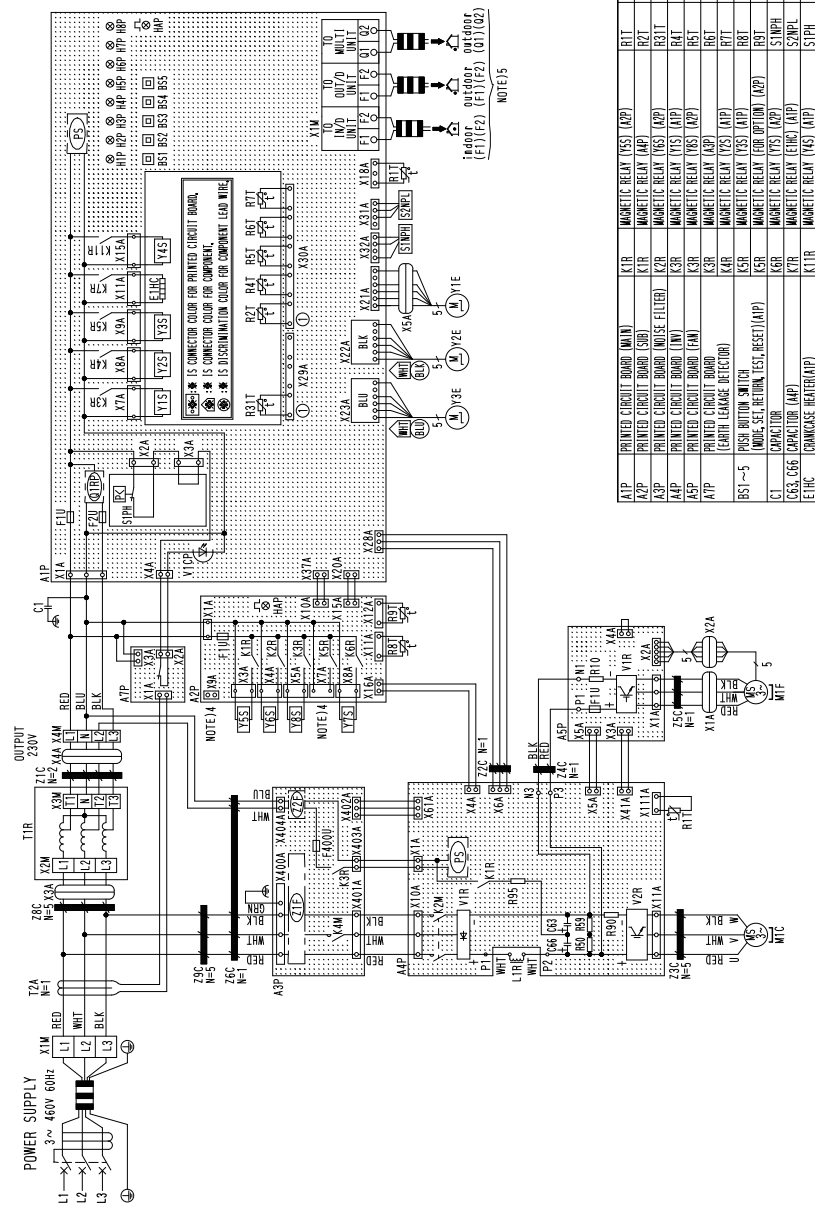
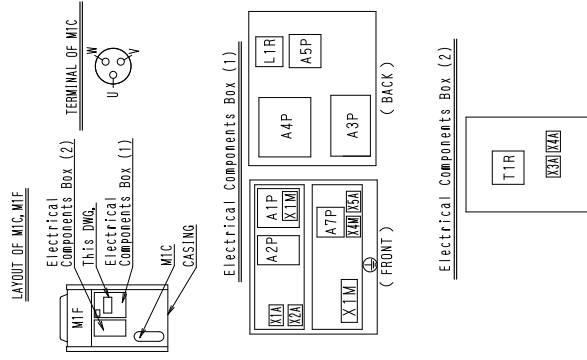
REYQ72, 96, 120PAYD



- NOTES
1. THIS WIRING DIAGRAM IS APPLIED ONLY TO THE OUTDOOR UNIT.
 2. FIELD WIRING.
 3. TERMINAL STRIP (STRIP) : CONNECTOR → TERMINAL
 4. PROTECTIVE EARTH (GND)
 5. WHEN USING THE OPTIONAL ADAPTOR, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
 6. FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION FT • FZ, OUTDOOR-MULTI TRANSMISSION FT • FZ, REFER TO THE INSTALLATION MANUAL.
 7. BEEPS USE BS1~5 REFER TO "SERVICE PROCAUTION" LABEL ON COMPRESSOR COVER.
 8. WHEN OPERATING, DON'T SHORTCIRCUIT THE PROTECTION DEVICES (S1, 2PH).
 9. SYMBOLS INDICATE COLORS OF EACH PARTS AS SHOWN BELOW.
 10. IS CONNECTOR COLOR FOR COMPONENT BOARD.
 11. IS IDENTIFICATION COLOR FOR COMPONENT LEAD WIRE.
 12. COLORS : BLK:BLACK RED:RED BLU:BLUE WHT:WHITE.

A1P	PRINTED CIRCUIT BOARD (MAIN)	K4M	MAGNETIC RELAY (M4)	MTC, W2C	MOTOR (COMPRESSOR)
A2P	PRINTED CIRCUIT BOARD (SUB)	H1P~8P	PID/LAMP SERVICE MONITOR : DRANGE (APP)	MTF, W2F	W2F (HEAT EXC. GAS Z) (RPT) (ZE)
A3P	PRINTED CIRCUIT BOARD (SIB)	H1P	PHASE PREPARING TEST	Y4E	ELECTROMAGNETIC EXPANSION VALVE (CHARGE) (AP)
A4P	PRINTED CIRCUIT BOARD (NOISE FILTER)	HAP	MULTIFUNCTION DETECTION - LIGHT UP	Y15P	ELECTROMAGNETIC EXPANSION VALVE (SIGNAL) (1AP)
A5P	PRINTED CIRCUIT BOARD (FAN)	K1R	FAN MOTOR (SIGNAL) (RPT) (RPT)	Y25	SOLENOID VALVE (RNG) (AP)
A6P	PRINTED CIRCUIT BOARD (EAM)	K1R	MAGNETIC RELAY (Y5) (AP)	Y35	SOLENOID VALVE (W) VALUE (HEAT EXC. (1AP))
A7P	PRINTED CIRCUIT BOARD (EAM)	K1R	MAGNETIC RELAY (ZM) (AP)	Y45	SOLENOID VALVE (HOT GAS) (AP)
A8P	PRINTED CIRCUIT BOARD (CURRENT SENSOR)	K1R	MAGNETIC RELAY (Y5) (AP)	Y55	SOLENOID VALVE (EX BYPASS 1) (AP)
A9P	PRINTED CIRCUIT BOARD (EARTH LEAKAGE DETECTOR)	K2R	MAGNETIC RELAY (Y5) (AP)	Y65	SOLENOID VALVE (RMT) (AP)
B51~5	PUSH BUTTON SWITCH	K3R	MAGNETIC RELAY (Y5) (AP)	Y75	SOLENOID VALVE (RMT) (AP)
C1	CAPACITOR	K3R	MAGNETIC RELAY (Y5) (AP)	V1CP	SAFETY DEVICES (WHT) (AP)
C2, C3, C66	CAPACITOR	K4B	MAGNETIC RELAY (Y5) (AP)	V1R	DIODE BRIDGE (AP)
E1HC	FANMOTOR CASE HEATER (AP)	K5B	MAGNETIC RELAY (Y5) (AP)	V2R	POWER MODULE (AP)
E1UC	FANMOTOR CASE HEATER (AP)	K5B	MAGNETIC RELAY (Y5) (AP)	V3R	POWER MODULE (AP)
F1U, F2U	FUSE (T, 3, 15A, 500V) (AP)	K6P	MAGNETIC RELAY FOR (OPTION) (AP)	X1M	TERMINAL STRIP (POWER SUPPLY)
F1U	FUSE (T, 3, 15A, 500V) (AP)	K6P	MAGNETIC RELAY (EHP) (AP)	X1N	TERMINAL STRIP (POWER SUPPLY) (TR)
F1U	FUSE (T, 3, 15A, 500V) (AP)	K6P	MAGNETIC RELAY (EHP) (AP)	X2M	TERMINAL STRIP (POWER SUPPLY) (TR)
F400U	FUSE (T, 4, 3A, 500V) (AP)	K1R	MAGNETIC RELAY (Y5) (AP)	X3A	TERMINAL STRIP (RELAY)
F400U	FUSE (T, 4, 3A, 500V) (AP)	K1R	MAGNETIC RELAY (Y5) (AP)	X3B	TERMINAL STRIP (RELAY)
K4M	MAGNETIC RELAY (M4)	K1R	MAGNETIC RELAY (Y10) (AP)	X3C	TERMINAL STRIP (RELAY)
K1R	MAGNETIC RELAY (M2)	L1R	RELAY (TOR)	X3D	TERMINAL STRIP (RELAY)
X1M	TERMINAL STRIP (POWER SUPPLY)			X3E	TERMINAL STRIP (RELAY)
X1N	TERMINAL STRIP (POWER SUPPLY) (TR)			X3F	TERMINAL STRIP (RELAY)
X2M	TERMINAL STRIP (POWER SUPPLY) (TR)			X3G	TERMINAL STRIP (RELAY)
X3A	TERMINAL STRIP (RELAY)			X3H	TERMINAL STRIP (RELAY)
X3B	TERMINAL STRIP (RELAY)			X3I	TERMINAL STRIP (RELAY)
X3C	TERMINAL STRIP (RELAY)			X3J	TERMINAL STRIP (RELAY)
X3D	TERMINAL STRIP (RELAY)			X3K	TERMINAL STRIP (RELAY)
X3E	TERMINAL STRIP (RELAY)			X3L	TERMINAL STRIP (RELAY)
X3F	TERMINAL STRIP (RELAY)			X3M	TERMINAL STRIP (RELAY)
X3G	TERMINAL STRIP (RELAY)			X3N	TERMINAL STRIP (RELAY)
X3H	TERMINAL STRIP (RELAY)			X3O	TERMINAL STRIP (RELAY)
X3I	TERMINAL STRIP (RELAY)			X3P	TERMINAL STRIP (RELAY)
X3J	TERMINAL STRIP (RELAY)			X3Q	TERMINAL STRIP (RELAY)
X3K	TERMINAL STRIP (RELAY)			X3R	TERMINAL STRIP (RELAY)
X3L	TERMINAL STRIP (RELAY)			X3S	TERMINAL STRIP (RELAY)
X3M	TERMINAL STRIP (RELAY)			X3T	TERMINAL STRIP (RELAY)
X3N	TERMINAL STRIP (RELAY)			X3U	TERMINAL STRIP (RELAY)
X3O	TERMINAL STRIP (RELAY)			X3V	TERMINAL STRIP (RELAY)
X3P	TERMINAL STRIP (RELAY)			X3W	TERMINAL STRIP (RELAY)
X3Q	TERMINAL STRIP (RELAY)			X3X	TERMINAL STRIP (RELAY)
X3R	TERMINAL STRIP (RELAY)			X3Y	TERMINAL STRIP (RELAY)
X3S	TERMINAL STRIP (RELAY)			X3Z	TERMINAL STRIP (RELAY)
X3T	TERMINAL STRIP (RELAY)				
X3U	TERMINAL STRIP (RELAY)				
X3V	TERMINAL STRIP (RELAY)				
X3W	TERMINAL STRIP (RELAY)				
X3X	TERMINAL STRIP (RELAY)				
X3Y	TERMINAL STRIP (RELAY)				
X3Z	TERMINAL STRIP (RELAY)				

REM72PAYD

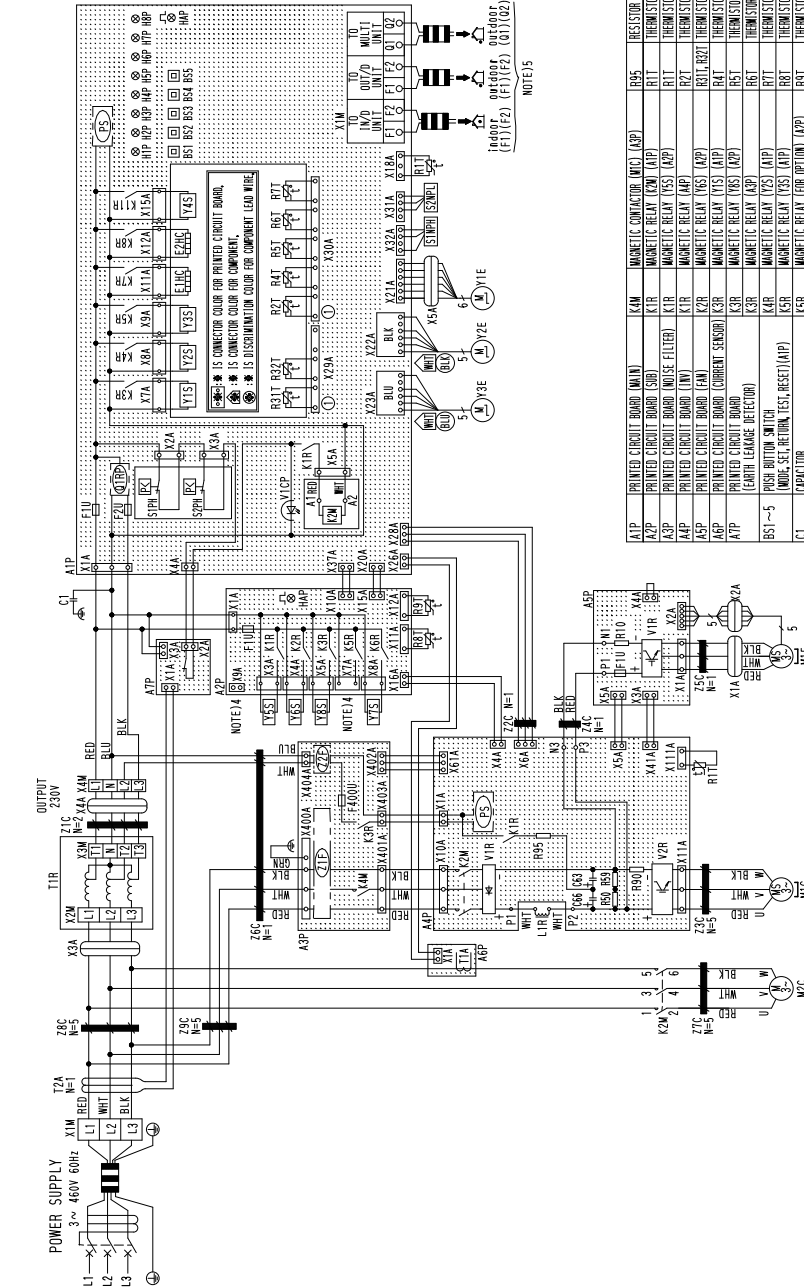
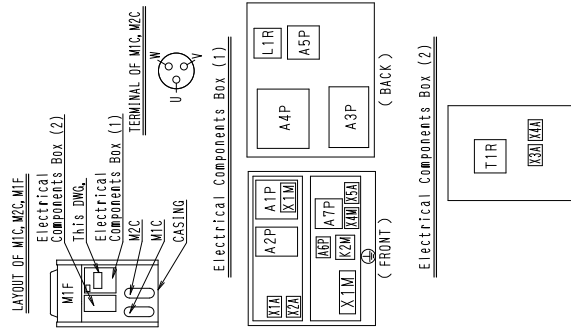


A1P	PRINTED CIRCUIT BOARD (MAIN)	K1R	MAGNETIC RELAY (Y3S) (APP)	R1T	THERMOSTAT (FIN) (APP)	XTM	TERMINAL STRIP (POWER SUPPLY)
A2P	PRINTED CIRCUIT BOARD (SR)	K1R	MAGNETIC RELAY (Y3S) (APP)	R2T	THERMOSTAT (HEAT EXC. GAS) (APP)	XTM	TERMINAL STRIP (CONTROL) (APP)
A3P	PRINTED CIRCUIT BOARD (NOISE FILTER)	K2R	MAGNETIC RELAY (Y6S) (APP)	R3T	THERMOSTAT (MIC DISCHARGE) (APP)	X2M	TERMINAL STRIP (POWER SUPPLY) (TR)
A4P	PRINTED CIRCUIT BOARD (LV)	K3R	MAGNETIC RELAY (Y6S) (APP)	R4T	THERMOSTAT (HEAT EXC. BELEG) (APP)	X3M	TERMINAL STRIP (POWER SUPPLY) (TR)
A5P	PRINTED CIRCUIT BOARD (FM)	K3R	MAGNETIC RELAY (Y6S) (APP)	R5T	THERMOSTAT (SUB. COOL. HEAT EXC. GAS) (APP)	X4M	TERMINAL STRIP
A7P	PRINTED CIRCUIT BOARD	K3R	MAGNETIC RELAY (Y6S) (APP)	R6T	THERMOSTAT (SUB. COOL. HEAT EXC. LIQUID) (APP)	Y1E	ELECTRONIC EXPANSION VALVE (MAIN) (APP)
B5T-5	EARTH LEAKAGE DETECTOR	K4R	MAGNETIC RELAY (Y3S) (APP)	R7T	THERMOSTAT (HEAT EXC. LIQUID) (APP)	Y3E	ELECTRONIC EXPANSION VALVE (CHARGE) (APP)
C1	CONDENSATOR	K5R	MAGNETIC RELAY (Y3S) (APP)	R8T	THERMOSTAT (SECTION) (APP)	Y3E	ELECTRONIC EXPANSION VALVE (SUBOIL) (APP)
C5E, C5E	CONDENSATOR	K6R	MAGNETIC RELAY (FOR OPTIONAL) (APP)	R9T	THERMOSTAT (LIQUID) (APP)	Y1S	SOLENOID VALVE (FM) (APP)
E1E, E2E	EMERGENCY RELEASE (APP)	K7R	MAGNETIC RELAY (Y6S) (APP)	S20PH	PRESSURE SENSOR (FM) (APP)	Y2S	SOLENOID VALVE (L W VALVE) (DR) (APP)
F1U, F2U	FUSE (C. 1.5A, 250V) (APP)	K1R	RELAY (APP)	S20PH	PRESSURE SENSOR (LOW) (APP)	Y3S	SOLENOID VALVE (L W VALVE) (HEAT EXC. (APP)
F1U	FUSE (C. 1.5A, 250V) (APP)	M1C	MOTOR (COMPRESSOR)	S1PH	PRESSURE SWITCH (HIGH) (APP)	Y4S	SOLENOID VALVE (HEAT EXC. (APP)
F400U	FUSE (C. 1.5A, 250V) (APP)	M1C	MOTOR (FAN)	T2A	CURRENT SENSOR (APP/200)	Y6S	SOLENOID VALVE (HOT GAS) (APP)
H1P-2P	PILOT LAMP SERVICE MONITOR - LIGHT UP (APP) PHASE TEST	P5S	SAFETY SWITCHES (APP) (APP)	V1C	SAFETY SWITCHES (APP) (APP)	Y7S	SOLENOID VALVE (HOT) (APP)
H1P-2P	PILOT LAMP SERVICE MONITOR - LIGHT UP (APP) PHASE TEST	R1C	RESISTOR (CURRENT SENSOR) (APP)	V1R	DIODE BRIDGE (APP)	Y8S	SOLENOID VALVE (HOT) (APP)
H1P-2P	PILOT LAMP SERVICE MONITOR - LIGHT UP (APP) PHASE TEST	R5A, R5B	RESISTOR (CURRENT SENSOR) (APP)	V2R	POWER MODULE (APP)	Z1E-3C	NOISE FILTER (FERRITE CORE)
H1P-2P	PILOT LAMP SERVICE MONITOR - LIGHT UP (APP) PHASE TEST	R5A, R5B	RESISTOR (CURRENT SENSOR) (APP)	X1A, X2A	CONNECTOR (APP)	Z1E, Z2E	NOISE FILTER (WHITE SHIELD) (APP)
K2M	MAGNETIC CONTACTOR (MFC) (APP)	R9S	RESISTOR (CURRENT LIMITING) (APP)	X3A	CONNECTOR		
K2M	MAGNETIC CONTACTOR (MFC) (APP)	R1T	THERMOSTAT (AIR) (APP)	X4A	CONNECTOR FOR OPTIONAL PARTS		
				X5A	CONNECTOR		
				Y9A	POWER SUPPLY (ADAPTER) (APP)		

- NOTES
1. THIS WIRING DIAGRAM IS APPLIED ONLY TO THE OUTDOOR UNIT.
 2. : FIELD WIRING.
 3. : TERMINAL STRIP. : CONNECTOR. : PROTECTIVE EARTH (SCREW).
 4. WHEN USING THE OPTIONAL ADAPTOR, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
 5. FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION FT+FG, OUTDOOR-OUTDOOR TRANSMISSION FT+FG, REFER TO THE INSTALLATION MANUAL OF INDOOR-OUTDOOR TRANSMISSION FT+FG.
 6. WHEN OPERATING IN DOWN MODE, REFER TO THE INSTALLATION MANUAL OF THE INDOOR-OUTDOOR TRANSMISSION FT+FG.
 7. WHEN OPERATING IN DOWN MODE, REFER TO THE PRECAUTION NOTICE (S1PH, S2PH).
 8. COLORS: BLK:BLACK; RED:RED; BLU:BLUE; WHI:WHITE; GRN:GREEN.

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REM96PAYD / 120PYNDR



A1P	PRINTED CIRCUIT BOARD (MAIN)	K4M	MAGNETIC CONTACTOR (MTC)	B95	RESISTOR (CURRENT LIMITING)	X1M	TERMINAL STRIP (CONTROL)
A2P	PRINTED CIRCUIT BOARD (SUB)	K1R	MAGNETIC RELAY (CM)	B1T	THERMISTOR (FAN)	X2M	TERMINAL STRIP (POWER SUPPLY)(T1B)
A3P	PRINTED CIRCUIT BOARD (MUSE FILTER)	K1S	MAGNETIC RELAY (YS)	B1T	THERMISTOR (FAN)	X2M	TERMINAL STRIP (POWER SUPPLY)(T1B)
A4P	PRINTED CIRCUIT BOARD (M)	K1R	MAGNETIC RELAY (YS)	B1T	THERMISTOR (FAN)	X2M	TERMINAL STRIP (POWER SUPPLY)(T1B)
A5P	PRINTED CIRCUIT BOARD (FAN)	K2R	MAGNETIC RELAY (Y6S)	B1L, R2T	THERMISTOR (HEAT EXCH. GAS)	X4M	TERMINAL STRIP (FAN)
A6P	PRINTED CIRCUIT BOARD (CURRENT SENSOR)	K3R	MAGNETIC RELAY (Y6S)	B4T	THERMISTOR (HEAT EXCH. DISCHARGE)	Y1E	ELECTRONIC EXPANSION VALVE (MOUT)
A7P	PRINTED CIRCUIT BOARD (LEAKAGE DETECTOR)	K3R	MAGNETIC RELAY (Y6S)	B5T	THERMISTOR (HEAT EXCH. DISCHARGE)	Y2E	ELECTRONIC EXPANSION VALVE (DISCHARGE)
B1~5	PSH BUTTON SWITCH	K4R	MAGNETIC RELAY (A3P)	B6T	THERMISTOR (FOR COE TEST, COOLING)	Y3E	ELECTRONIC EXPANSION VALVE (DISCHARGE)
C1	APACITOR	K5R	MAGNETIC RELAY (T2S)	B7T	THERMISTOR (HEAT EXCH. LIQUID)	Y3S	SECONDARY VALVE (MTC)
C63, C66	CONDENSER	K6R	MAGNETIC RELAY (T2S)	B8T	THERMISTOR (HEAT EXCH. LIQUID)	Y3S	SECONDARY VALVE (MTC)
E1E, E2E	CHIMNEY CASE HEATER	K6R	MAGNETIC RELAY (T2S)	B9T	THERMISTOR (LIQUID)	Y4S	SECONDARY VALVE (MTC)
F1U, F2U	FUSE (1.5A, 15A, 250V)	K7R	MAGNETIC RELAY (T2S)	S2MPL	PRESSURE SENSOR (HIGH)	Y6S	SECONDARY VALVE (HOT GAS)
F1U, F2U	FUSE (1.5A, 15A, 250V)	K8R	MAGNETIC RELAY (T2S)	S2MPL	PRESSURE SENSOR (LOW)	Y6S	SECONDARY VALVE (HOT GAS)
F400U	FUSE (1.5A, 15A, 250V)	K1R	MAGNETIC RELAY (Y4S)	T1A	CURRENT SENSOR (ATP)	Y8S	SECONDARY VALVE (MTC)
F400U	FUSE (1.5A, 15A, 250V)	L1R	RELAY	T2A	CURRENT SENSOR (ATP)	Y8S	SECONDARY VALVE (MTC)
H1P~5P	PLUG LAMP SERVICE MONITOR	M1C, W2C	MOTOR (COMPRESSOR)	T1R	TRANSFORMER (ADV/200V)	Z1C~5C	MUSE FILTER (FERRITE CORE)
H1P~5P	PLUG LAMP SERVICE MONITOR	M1C, W2C	MOTOR (FAN)	T1R	TRANSFORMER (ADV/200V)	Z1F, Z2F	MUSE FILTER (IN THE SHIRTS)
H1P~5P	PLUG LAMP SERVICE MONITOR	M1C, W2C	MOTOR (FAN)	V1R	DIODE BRIDGE		
K2M	MAGNETIC CONTACTOR (MTC)	R1Q	RESISTOR (CURRENT SENSOR)	V2R	POWER MODULE (AP)	X7A	OPERATOR (OUTPUT)
K2M	MAGNETIC CONTACTOR (MTC)	R5A, R5B	RESISTOR (AP)	X1A~X5A	CONNECTOR	X9A	POWER SUPPLY (ADAPTER)
K2M	MAGNETIC CONTACTOR (MTC)	R90	RESISTOR (CURRENT SENSOR)	X1M	TERMINAL STRIP (POWER SUPPLY)		

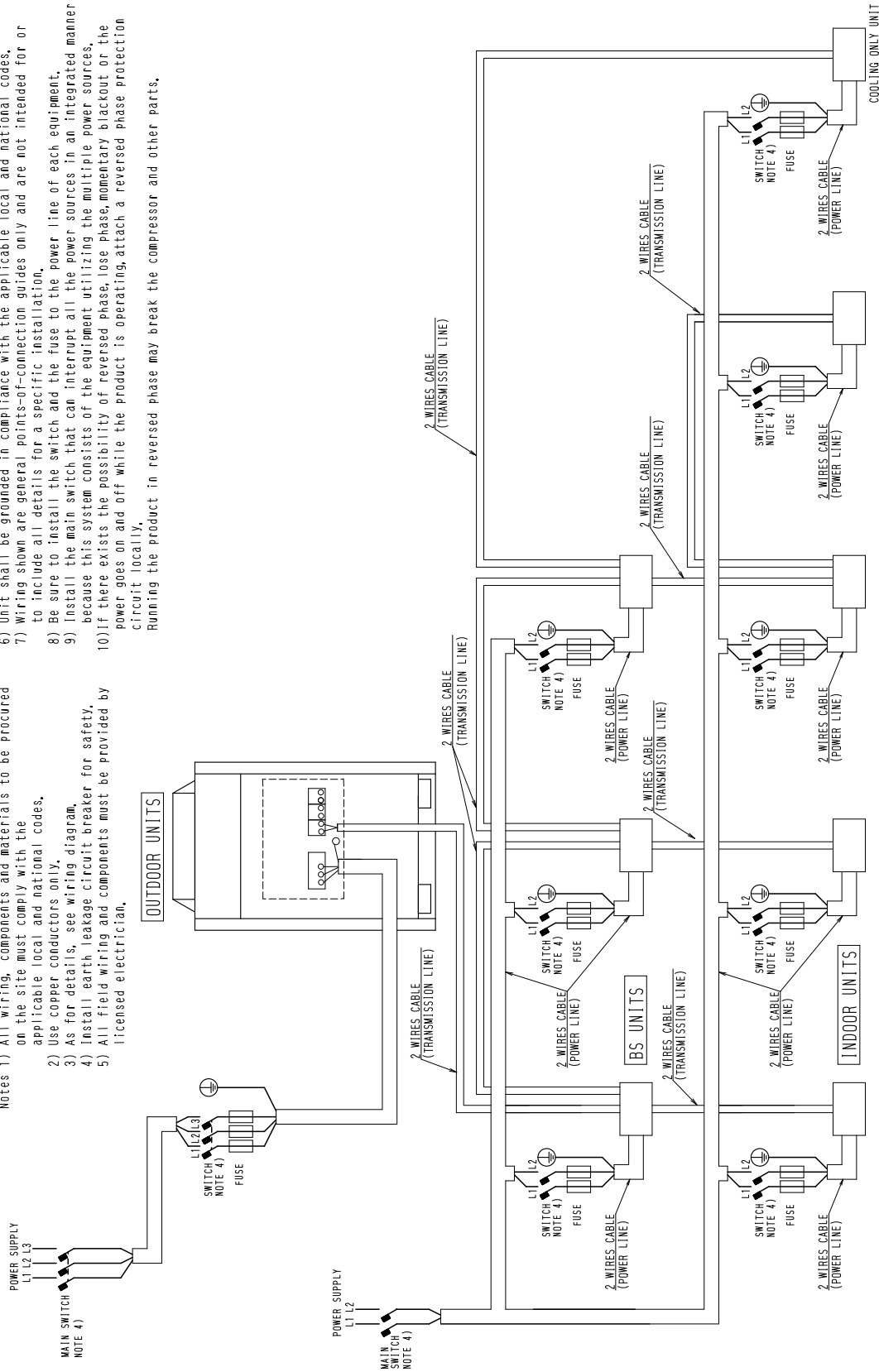
- NOTES
1. THIS WIRING DIAGRAM IS APPLIED ONLY TO THE OUTDOOR UNIT.
 2. : FIELD WIRING.
 3. : TERMINAL STRIP ADAPTOR REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
 4. WHEN USING THE OPTIONAL ADAPTOR REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
 5. FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION F1 • F2, OUTDOOR-OUTDOOR TRANSMISSION F1 • F2, OUTDOOR-OUTDOOR TRANSMISSION F1 • F2, REFER TO THE INSTALLATION MANUAL.
 6. HOW TO USE B1~5, REFER TO "SERVICE PRECAUTION" LABEL ON EL COMP. BOX COVER.
 7. WHEN OPERATING, DON'T SHORT-CIRCUIT THE PROTECTION DEVICE(S)(S1P, S2P).
 8. COLORS BLK:BLACK RED:RED BLU:BLUE WHI:WHITE GRN:GREEN.

6. Field Wiring

REYQ72, 96, 120PAYD

- Notes 1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
- 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.
- 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.

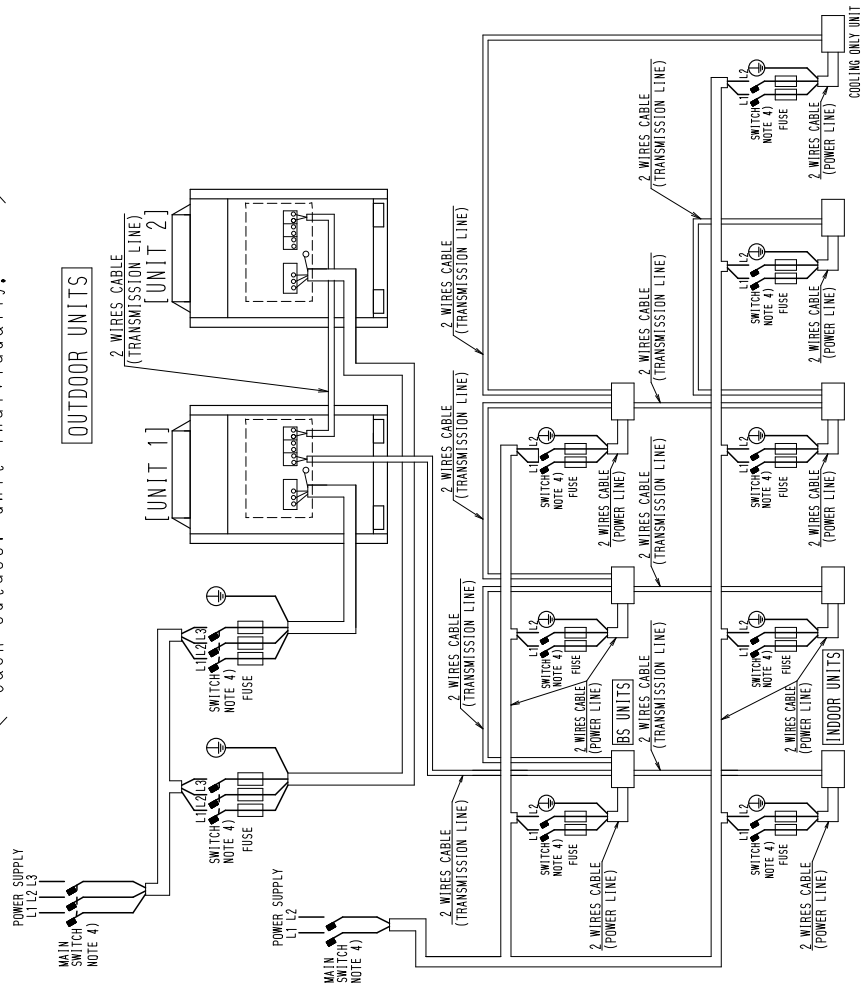


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REYQ144, 168, 192PAYD / 216~240PYDNR

- 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.

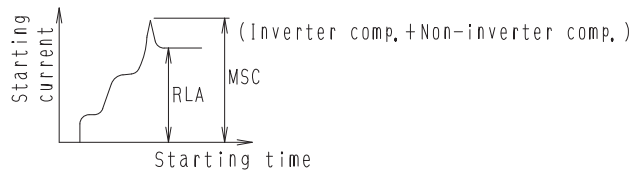


7. Electric Characteristics

REYQ72, 96, 120PAYD

Model Name	Units				Power supply		Comp.		OFM	
	Hz	Volts	Min.	Max.	MCA	MOP	MSC	RLA	KW	FLA
REYQ72PAYD	60	460	416	508	16.0	20	65	2.4+7.0	0.35 x 2	0.6 x 2
REYQ96PAYD	60	460	416	508	20.4	25	65	4.2+7.0	0.35 x 2	0.6 x 2
REYQ120PAYD	60	460	416	508	20.5	25	65	6.0+6.8	0.35 x 2	0.7 x 2

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 (ground leakage circuit breaker).

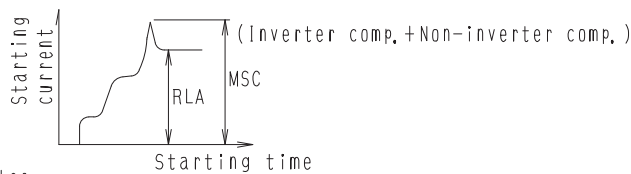
Symbols:

- 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)

REYQ144, 168, 192PAYD / 216~240PYDNR

Combination Unit	Model Name		Units				Power supply		Comp.		OFM	
	Independent Unit		Hz	Volts	Min.	Max.	MCA	MOP	MSC	RLA	KW	FLA
REYQ144PAYD	REMQ72PAYD	REMQ72PAYD	60	460	416	508	16.7+16.7	25+25	71	7.1+7.1	0.75+0.75	0.6+0.6
REYQ168PAYD	REMQ72PAYD	REMQ96PAYD	60	460	416	508	16.7+20.3	25+25	69	7.1+3.9+8.4	0.75+0.75	0.6+0.8
REYQ192PAYD	REMQ96PAYD	REMQ96PAYD	60	460	416	508	20.2 + 20.3	25+25	69	3.9+8.4+3.9+8.4	0.75+0.75	0.8+0.8
REYQ216PYDNR	REMQ96PAYD	REMQ120PYDNR	60	460	416	508	20.5 + 20.3	25 + 30	77	3.9 + 8.4 + 6.1 + 8.4	0.75 + 0.75	0.8 + 1.0
REYQ240PYDNR	REMQ120PYDNR	REMQ120PYDNR	60	460	416	508	20.5 + 20.5	30 + 30	78	6.1 + 8.4 + 6.1 + 8.4	0.75 + 0.75	1.0 + 1.0

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 and the ground fault circuit interrupter (ground leakage 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)

C: 3D067250B

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 REYQ_PAYD 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.

Model Number	EER
REYQ72PAYD	12.6
REYQ96PAYD	11.6
REYQ120PAYD	11.0
REYQ144PAYD	12.2
REYQ168PAYD	11.4
REYQ192PAYD	10.7
REYQ216PYDNR	10.6
REYQ240PYDNR	9.8

Model Number	COP
REYQ72PAYD	3.5
REYQ96PAYD	3.4
REYQ120PAYD	3.3
REYQ144PAYD	3.4
REYQ168PAYD	3.3
REYQ192PAYD	3.2
REYQ216PYDNR	3.2
REYQ240PYDNR	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 Table (Reference Data)

9.1 Cooling Capacity (REYQ-PAYD / PYDNR)

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

REYQ72PAYD

Combi- nation (%)	Outdoor air temp. (°F/DB)	Indoor air temp. °F/WB												Cooling capacity (MBH)			
		64			67			70			72				75		
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		TC	PI	TC
90	50	50	1.57	51.1	1.93	58.0	2.22	64.8	2.51	71.6	2.82	78.2	3.09	83.0	3.34	88.0	3.55
	54	42.0	1.60	51.1	1.97	58.0	2.26	64.8	2.56	71.6	2.88	78.2	3.16	83.0	3.41	88.0	3.62
	58	42.0	1.63	51.1	2.01	58.0	2.30	64.8	2.62	71.6	2.96	78.2	3.26	83.0	3.51	88.0	3.73
	62	42.0	1.66	51.1	2.05	58.0	2.34	64.8	2.68	71.6	3.07	78.2	3.36	83.0	3.56	88.0	3.78
	66	42.0	1.69	51.1	2.09	58.0	2.38	64.8	2.73	71.6	3.11	78.2	3.39	83.0	3.59	88.0	3.80
	70	42.0	1.73	51.1	2.14	58.0	2.46	64.8	2.87	71.6	3.27	78.2	3.49	83.0	3.70	88.0	3.91
	75	42.0	1.78	51.1	2.21	58.0	2.55	64.8	2.98	71.6	3.41	78.2	3.61	83.0	3.82	88.0	4.02
	80	42.0	1.84	51.1	2.28	58.0	2.65	64.8	3.10	71.6	3.55	78.2	3.75	83.0	3.96	88.0	4.13
	85	42.0	1.91	51.1	2.35	58.0	2.76	64.8	3.23	71.6	3.70	78.2	3.90	83.0	4.07	88.0	4.24
	90	42.0	2.04	51.1	2.45	58.0	2.90	64.8	3.40	71.6	4.02	78.2	4.24	83.0	4.52	88.0	4.73
80	50	50	1.57	51.1	1.93	58.0	2.22	64.8	2.51	71.6	2.82	78.2	3.09	83.0	3.34	88.0	3.55
	54	42.0	1.60	51.1	1.97	58.0	2.26	64.8	2.56	71.6	2.88	78.2	3.16	83.0	3.41	88.0	3.62
	58	42.0	1.63	51.1	2.01	58.0	2.30	64.8	2.62	71.6	2.96	78.2	3.26	83.0	3.51	88.0	3.73
	62	42.0	1.66	51.1	2.05	58.0	2.34	64.8	2.68	71.6	3.07	78.2	3.36	83.0	3.56	88.0	3.78
	66	42.0	1.69	51.1	2.09	58.0	2.38	64.8	2.73	71.6	3.11	78.2	3.39	83.0	3.59	88.0	3.80
	70	42.0	1.73	51.1	2.14	58.0	2.46	64.8	2.87	71.6	3.27	78.2	3.49	83.0	3.70	88.0	3.91
	75	42.0	1.78	51.1	2.21	58.0	2.55	64.8	2.98	71.6	3.41	78.2	3.61	83.0	3.82	88.0	4.02
	80	42.0	1.84	51.1	2.28	58.0	2.65	64.8	3.10	71.6	3.55	78.2	3.75	83.0	3.96	88.0	4.13
	85	42.0	1.91	51.1	2.35	58.0	2.76	64.8	3.23	71.6	3.70	78.2	3.90	83.0	4.07	88.0	4.24
	90	42.0	2.04	51.1	2.45	58.0	2.90	64.8	3.40	71.6	4.02	78.2	4.24	83.0	4.52	88.0	4.73
70	50	50	1.57	51.1	1.93	58.0	2.22	64.8	2.51	71.6	2.82	78.2	3.09	83.0	3.34	88.0	3.55
	54	42.0	1.60	51.1	1.97	58.0	2.26	64.8	2.56	71.6	2.88	78.2	3.16	83.0	3.41	88.0	3.62
	58	42.0	1.63	51.1	2.01	58.0	2.30	64.8	2.62	71.6	2.96	78.2	3.26	83.0	3.51	88.0	3.73
	62	42.0	1.66	51.1	2.05	58.0	2.34	64.8	2.68	71.6	3.07	78.2	3.36	83.0	3.56	88.0	3.78
	66	42.0	1.69	51.1	2.09	58.0	2.38	64.8	2.73	71.6	3.11	78.2	3.39	83.0	3.59	88.0	3.80
	70	42.0	1.73	51.1	2.14	58.0	2.46	64.8	2.87	71.6	3.27	78.2	3.49	83.0	3.70	88.0	3.91
	75	42.0	1.78	51.1	2.21	58.0	2.55	64.8	2.98	71.6	3.41	78.2	3.61	83.0	3.82	88.0	4.02
	80	42.0	1.84	51.1	2.28	58.0	2.65	64.8	3.10	71.6	3.55	78.2	3.75	83.0	3.96	88.0	4.13
	85	42.0	1.91	51.1	2.35	58.0	2.76	64.8	3.23	71.6	3.70	78.2	3.90	83.0	4.07	88.0	4.24
	90	42.0	2.04	51.1	2.45	58.0	2.90	64.8	3.40	71.6	4.02	78.2	4.24	83.0	4.52	88.0	4.73
60	50	50	1.57	51.1	1.93	58.0	2.22	64.8	2.51	71.6	2.82	78.2	3.09	83.0	3.34	88.0	3.55
	54	42.0	1.60	51.1	1.97	58.0	2.26	64.8	2.56	71.6	2.88	78.2	3.16	83.0	3.41	88.0	3.62
	58	42.0	1.63	51.1	2.01	58.0	2.30	64.8	2.62	71.6	2.96	78.2	3.26	83.0	3.51	88.0	3.73
	62	42.0	1.66	51.1	2.05	58.0	2.34	64.8	2.68	71.6	3.07	78.2	3.36	83.0	3.56	88.0	3.78
	66	42.0	1.69	51.1	2.09	58.0	2.38	64.8	2.73	71.6	3.11	78.2	3.39	83.0	3.59	88.0	3.80
	70	42.0	1.73	51.1	2.14	58.0	2.46	64.8	2.87	71.6	3.27	78.2	3.49	83.0	3.70	88.0	3.91
	75	42.0	1.78	51.1	2.21	58.0	2.55	64.8	2.98	71.6	3.41	78.2	3.61	83.0	3.82	88.0	4.02
	80	42.0	1.84	51.1	2.28	58.0	2.65	64.8	3.10	71.6	3.55	78.2	3.75	83.0	3.96	88.0	4.13
	85	42.0	1.91	51.1	2.35	58.0	2.76	64.8	3.23	71.6	3.70	78.2	3.90	83.0	4.07	88.0	4.24
	90	42.0	2.04	51.1	2.45	58.0	2.90	64.8	3.40	71.6	4.02	78.2	4.24	83.0	4.52	88.0	4.73

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.

REYQ96PAYD

Cooling capacity

Cooling capacity

Combi- nation (%)	Outdoor air temp. (°F/DB)	Indoor air temp. °F/WB											
		57			61			64			67		
		TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH
90	50	56.1	2.49	68.2	3.06	77.3	3.51	85.5	4.47	102	5.78	111	6.54
	54	56.1	2.53	68.2	3.12	77.3	3.58	86.4	4.06	95.5	5.10	111	5.84
	58	56.1	2.58	68.2	3.18	77.3	3.64	86.4	4.23	95.5	5.10	111	5.84
	62	56.1	2.63	68.2	3.24	77.3	3.70	86.4	4.40	95.5	5.10	111	5.84
	66	56.1	2.69	68.2	3.30	77.3	3.76	86.4	4.57	95.5	5.10	111	5.84
	70	56.1	2.74	68.2	3.36	77.3	3.82	86.4	4.74	95.5	5.10	111	5.84
	72	56.1	2.77	68.2	3.39	77.3	3.90	86.4	4.81	95.5	5.10	111	5.84
	75	56.1	2.82	68.2	3.45	77.3	4.05	86.4	5.00	95.5	5.10	111	5.84
	79	56.1	2.88	68.2	3.51	77.3	4.28	86.4	5.23	102	6.83	106	7.17
	83	56.1	2.94	68.2	3.57	77.3	4.60	86.4	5.50	102	7.36	104	7.49
	87	56.1	3.00	68.2	3.63	77.3	4.95	86.4	5.80	95.5	7.22	101	7.78
	91	56.1	3.06	68.2	3.69	77.3	5.31	86.4	6.23	95.5	7.76	98.8	8.10
95	56.1	3.12	68.2	3.75	77.3	5.70	86.4	6.69	95.5	8.24	97.9	8.42	
99	56.1	3.18	68.2	3.81	77.3	6.10	86.4	7.19	95.5	8.72	97.0	8.74	
103	56.1	3.24	68.2	3.87	77.3	6.54	86.4	7.70	95.5	9.24	96.3	9.06	
80	50	49.8	2.21	60.6	2.75	68.7	3.08	76.8	3.49	84.9	4.62	90.3	5.53
	54	49.8	2.25	60.6	2.81	68.7	3.14	76.8	3.56	84.9	4.62	90.3	5.53
	58	49.8	2.29	60.6	2.87	68.7	3.21	76.8	3.63	84.9	4.62	90.3	5.53
	62	49.8	2.34	60.6	2.93	68.7	3.27	76.8	3.71	84.9	4.62	90.3	5.53
	66	49.8	2.38	60.6	2.99	68.7	3.34	76.8	3.79	84.9	4.62	90.3	5.53
	70	49.8	2.43	60.6	3.05	68.7	3.42	76.8	3.87	84.9	4.62	90.3	5.53
	72	49.8	2.46	60.6	3.08	68.7	3.45	76.8	3.90	84.9	4.62	90.3	5.53
	75	49.8	2.51	60.6	3.14	68.7	3.52	76.8	4.01	84.9	4.62	90.3	5.53
	79	49.8	2.57	60.6	3.20	68.7	3.59	76.8	4.12	84.9	4.62	90.3	5.53
	83	49.8	2.62	60.6	3.26	68.7	3.66	76.8	4.23	84.9	4.62	90.3	5.53
	87	49.8	2.68	60.6	3.32	68.7	3.73	76.8	4.34	84.9	4.62	90.3	5.53
	91	49.8	2.73	60.6	3.38	68.7	3.80	76.8	4.45	84.9	4.62	90.3	5.53
95	49.8	2.79	60.6	3.44	68.7	3.87	76.8	4.56	84.9	4.62	90.3	5.53	
99	49.8	2.84	60.6	3.50	68.7	3.94	76.8	4.67	84.9	4.62	90.3	5.53	
103	49.8	2.90	60.6	3.56	68.7	4.01	76.8	4.78	84.9	4.62	90.3	5.53	
70	50	43.6	1.88	53.0	2.38	60.1	2.72	67.2	3.01	74.3	3.36	79.0	4.31
	54	43.6	1.92	53.0	2.44	60.1	2.78	67.2	3.13	74.3	3.36	79.0	4.31
	58	43.6	1.96	53.0	2.50	60.1	2.84	67.2	3.25	74.3	3.36	79.0	4.31
	62	43.6	2.00	53.0	2.56	60.1	2.90	67.2	3.37	74.3	3.36	79.0	4.31
	66	43.6	2.04	53.0	2.62	60.1	2.96	67.2	3.49	74.3	3.36	79.0	4.31
	70	43.6	2.08	53.0	2.68	60.1	3.02	67.2	3.61	74.3	3.36	79.0	4.31
	72	43.6	2.12	53.0	2.74	60.1	3.08	67.2	3.73	74.3	3.36	79.0	4.31
	75	43.6	2.17	53.0	2.80	60.1	3.14	67.2	3.85	74.3	3.36	79.0	4.31
	79	43.6	2.22	53.0	2.86	60.1	3.20	67.2	3.97	74.3	3.36	79.0	4.31
	83	43.6	2.27	53.0	2.92	60.1	3.26	67.2	4.09	74.3	3.36	79.0	4.31
	87	43.6	2.32	53.0	2.98	60.1	3.32	67.2	4.21	74.3	3.36	79.0	4.31
	91	43.6	2.37	53.0	3.04	60.1	3.38	67.2	4.33	74.3	3.36	79.0	4.31
95	43.6	2.42	53.0	3.10	60.1	3.44	67.2	4.45	74.3	3.36	79.0	4.31	
99	43.6	2.47	53.0	3.16	60.1	3.50	67.2	4.57	74.3	3.36	79.0	4.31	
103	43.6	2.52	53.0	3.22	60.1	3.56	67.2	4.69	74.3	3.36	79.0	4.31	
60	50	37.4	1.70	45.5	2.03	51.5	2.29	57.6	2.56	63.7	3.04	67.7	3.58
	54	37.4	1.73	45.5	2.06	51.5	2.33	57.6	2.61	63.7	3.04	67.7	3.58
	58	37.4	1.76	45.5	2.10	51.5	2.37	57.6	2.66	63.7	3.04	67.7	3.58
	62	37.4	1.79	45.5	2.14	51.5	2.42	57.6	2.71	63.7	3.04	67.7	3.58
	66	37.4	1.82	45.5	2.18	51.5	2.46	57.6	2.76	63.7	3.04	67.7	3.58
	70	37.4	1.85	45.5	2.22	51.5	2.51	57.6	2.81	63.7	3.04	67.7	3.58
	72	37.4	1.88	45.5	2.25	51.5	2.54	57.6	2.84	63.7	3.04	67.7	3.58
	75	37.4	1.91	45.5	2.29	51.5	2.59	57.6	2.89	63.7	3.04	67.7	3.58
	79	37.4	1.94	45.5	2.33	51.5	2.64	57.6	2.94	63.7	3.04	67.7	3.58
	83	37.4	1.97	45.5	2.37	51.5	2.69	57.6	2.99	63.7	3.04	67.7	3.58
	87	37.4	2.00	45.5	2.41	51.5	2.74	57.6	3.04	63.7	3.04	67.7	3.58
	91	37.4	2.03	45.5	2.45	51.5	2.79	57.6	3.09	63.7	3.04	67.7	3.58
95	37.4	2.06	45.5	2.49	51.5	2.84	57.6	3.14	63.7	3.04	67.7	3.58	
99	37.4	2.09	45.5	2.53	51.5	2.89	57.6	3.19	63.7	3.04	67.7	3.58	
103	37.4	2.12	45.5	2.57	51.5	2.94	57.6	3.24	63.7	3.04	67.7	3.58	

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.

REYQ120PAYD

Combi- nation (%)	Outdoor air temp. (°F/DB)	Indoor air temp. -FWB												Cooling capacity MBH	Cooling capacity kW
		64				67				70					
		TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW		
90	50	50	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87
	54	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	58	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	62	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	66	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	70	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	72	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	75	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	79	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	83	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
80	50	50	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87
	54	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	58	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	62	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	66	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	70	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	72	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	75	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	79	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	83	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
70	50	50	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87
	54	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	58	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	62	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	66	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	70	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	72	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	75	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	79	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	83	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
130	50	50	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87
	54	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	58	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	62	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	66	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	70	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	72	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	75	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	79	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	83	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
120	50	50	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87
	54	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	58	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	62	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	66	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	70	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	72	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	75	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	79	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	83	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
110	50	50	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87
	54	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	58	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	62	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	66	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	70	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	72	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	75	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	79	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	
	83	70.1	3.23	3.97	96.6	4.56	108	5.17	119	5.80	127	6.22	138	6.87	

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.

REYQ144PAYD

Combi- nation (%)	Outdoor air temp. (°F/DB)	Indoor air temp. -FWB												Cooling capacity				
		57				61				64					67			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		TC	PI	TC	PI
90	50	84.1	3.20	102	3.93	116	4.51	130	5.12	143	5.74	152	6.17	166	6.81	181	7.41	
	54	84.1	3.20	102	4.01	116	4.61	130	5.22	143	5.86	152	6.31	168	6.95	183	7.54	
	58	84.1	3.20	102	4.18	116	4.80	130	5.46	143	6.14	152	6.64	171	7.24	187	7.84	
	62	84.1	3.20	102	4.35	116	4.91	130	5.65	143	6.45	152	7.00	179	7.60	193	8.24	
	66	84.1	3.20	102	4.52	116	5.01	130	5.85	143	6.76	152	7.36	184	7.97	197	8.44	
	70	84.1	3.20	102	4.69	116	5.10	130	6.08	143	7.02	152	7.69	190	8.28	201	8.64	
	72	84.1	3.20	102	4.86	116	5.20	130	6.30	143	7.44	152	8.05	196	8.68	206	8.84	
	75	84.1	3.20	102	5.03	116	5.30	130	6.53	143	7.82	152	8.47	202	9.12	211	9.04	
	79	84.1	3.20	102	5.20	116	5.40	130	6.76	143	8.20	152	8.91	208	9.56	216	9.24	
	83	84.1	3.20	102	5.37	116	5.50	130	7.00	143	8.58	152	9.29	214	9.94	221	9.44	
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	163	6.50	
	54	74.8	2.90	90.9	3.60	103	4.04	115	4.57	127	5.12	135	5.49	148	6.07	164	6.60	
	58	74.8	2.90	90.9	3.68	103	4.12	115	4.67	127	5.23	135	5.61	148	6.20	165	6.70	
	62	74.8	2.90	90.9	3.75	103	4.20	115	4.77	127	5.34	135	5.73	148	6.33	166	6.80	
	66	74.8	2.90	90.9	3.83	103	4.30	115	4.88	127	5.45	135	5.86	148	6.46	167	6.90	
	70	74.8	2.90	90.9	3.90	103	4.39	115	4.98	127	5.57	135	5.99	148	7.06	168	7.00	
	72	74.8	2.90	90.9	3.96	103	4.46	115	5.06	127	5.69	135	6.12	148	7.17	169	7.10	
	75	74.8	2.90	90.9	4.02	103	4.54	115	5.15	127	5.81	135	6.25	148	7.28	170	7.20	
	79	74.8	2.90	90.9	4.09	103	4.61	115	5.24	127	5.93	135	6.38	148	7.39	171	7.30	
	83	74.8	2.90	90.9	4.16	103	4.68	115	5.33	127	6.05	135	6.51	148	7.50	172	7.40	
70	50	65.4	2.51	79.6	3.08	90.2	3.50	101	3.87	111	4.32	118	4.59	129	5.10	143	5.60	
	54	65.4	2.51	79.6	3.14	90.2	3.57	101	4.03	111	4.50	118	4.82	129	5.31	144	5.70	
	58	65.4	2.51	79.6	3.20	90.2	3.64	101	4.11	111	4.59	118	4.92	129	5.55	145	5.80	
	62	65.4	2.51	79.6	3.26	90.2	3.72	101	4.19	111	4.69	118	5.03	129	5.82	146	5.90	
	66	65.4	2.51	79.6	3.33	90.2	3.80	101	4.29	111	4.79	118	5.16	129	6.05	147	6.00	
	70	65.4	2.51	79.6	3.36	90.2	3.84	101	4.33	111	4.93	118	5.36	129	6.40	148	6.10	
	72	65.4	2.51	79.6	3.41	90.2	3.95	101	4.56	111	5.21	118	5.67	129	6.60	149	6.20	
	75	65.4	2.51	79.6	3.49	90.2	4.24	101	4.90	111	5.60	118	6.10	129	6.89	150	6.30	
	79	65.4	2.51	79.6	3.58	90.2	4.54	101	5.25	111	6.02	118	6.56	129	7.41	151	6.40	
	83	65.4	2.51	79.6	3.67	90.2	4.81	101	5.63	111	6.46	118	7.04	129	7.96	152	6.50	
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	126	4.77	
	54	56.1	2.22	68.2	2.65	77.3	2.99	86.4	3.35	95.5	3.72	102	3.98	111	4.37	126	4.85	
	58	56.1	2.26	68.2	2.70	77.3	3.05	86.4	3.42	95.5	3.80	102	4.14	111	4.46	126	4.93	
	62	56.1	2.29	68.2	2.75	77.3	3.11	86.4	3.48	95.5	3.87	102	4.14	111	4.56	126	5.01	
	66	56.1	2.33	68.2	2.80	77.3	3.23	86.4	3.55	95.5	3.95	102	4.23	111	4.65	126	5.09	
	70	56.1	2.39	68.2	2.88	77.3	3.26	86.4	3.68	95.5	4.08	102	4.37	111	4.68	126	5.17	
	72	56.1	2.43	68.2	2.92	77.3	3.31	86.4	3.74	95.5	4.25	102	4.50	111	4.77	126	5.25	
	75	56.1	2.47	68.2	3.03	77.3	3.51	86.4	4.02	95.5	4.56	102	4.95	111	5.16	126	5.45	
	79	56.1	2.62	68.2	3.24	77.3	3.75	86.4	4.30	95.5	4.89	102	5.31	111	5.55	126	5.64	
	83	56.1	2.80	68.2	3.46	77.3	4.01	86.4	4.61	95.5	5.24	102	5.61	111	6.40	126	5.83	
130	50	112	4.44	136	5.54	155	6.54	173	7.44	177	7.42	180	7.26	183	7.03	186	6.87	
	54	112	4.44	136	5.54	155	6.54	173	7.44	177	7.42	180	7.26	183	7.03	186	6.87	
	58	112	4.44	136	5.54	155	6.54	173	7.44	177	7.42	180	7.26	183	7.03	186	6.87	
	62	112	4.44	136	5.54	155	6.54	173	7.44	177	7.42	180	7.26	183	7.03	186	6.87	
	66	112	4.44	136	5.54	155	6.54	173	7.44	177	7.42	180	7.26	183	7.03	186	6.87	
	70	112	4.44	136	5.54	155	6.54	173	7.44	177	7.42	180	7.26	183	7.03	186	6.87	
	72	112	4.44	136	5.54	155	6.54	173	7.44	177	7.42	180	7.26	183	7.03	186	6.87	
	75	112	4.44	136	5.54	155	6.54	173	7.44	177	7.42	180	7.26	183	7.03	186	6.87	
	79	112	4.44	136	5.54	155	6.54	173	7.44	177	7.42	180	7.26	183	7.03	186	6.87	
	83	112	4.44	136	5.54	155	6.54	173	7.44	177	7.42	180	7.26	183	7.03	186	6.87	
120	50	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	54	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	58	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	62	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	66	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	70	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	72	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	75	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	79	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	83	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
110	50	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	54	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	58	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	62	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	66	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	70	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	72	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	75	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	79	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	
	83	103	3.85	125	4.92	141	5.85	157	6.67	161	6.67	161	6.67	161	6.67	161	6.67	

TC : Total capacity ; MBH
 PI : Power Input ; kW (Comp.+Outdoor fan motor)
 Note1 : The above table shows the

REYQ168PAYD

Combi- nation (%)	Outdoor air temp. (°F/DB)	Indoor air temp. -FWB												Cooling capacity (MBH)	
		64			67			70			72				
		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	8.16	184	8.83
	54	98.1	4.22	119	5.20	135	5.97	151	6.77	167	7.50	178	8.16	184	8.83
	58	98.1	4.30	119	5.31	135	6.07	151	6.90	167	7.63	178	8.16	184	8.83
	62	98.1	4.38	119	5.41	135	6.22	151	7.07	167	7.76	178	8.16	184	8.83
	66	98.1	4.48	119	5.53	135	6.36	151	7.22	167	7.91	178	8.16	184	8.83
	70	98.1	4.57	119	5.65	135	6.50	151	7.38	167	8.06	178	8.16	184	8.83
	74	98.1	4.62	119	5.71	135	6.55	151	7.44	167	8.11	178	8.16	184	8.83
	78	98.1	4.70	119	6.02	135	6.75	151	7.88	167	8.34	178	8.16	184	8.83
	82	98.1	5.04	119	6.47	135	7.13	151	8.66	167	11.2	178	8.16	184	8.83
	86	98.1	5.77	119	7.45	135	8.85	151	10.4	167	12.9	178	8.16	184	8.83
80	50	88.1	3.69	119	4.64	120	5.17	134	5.02	149	5.15	157	5.15	167	5.15
	54	88.1	3.75	119	4.78	120	5.17	134	5.15	149	5.15	157	5.15	167	5.15
	58	87.2	3.82	106	4.67	120	5.35	134	6.05	149	6.64	158	7.12	172	7.86
	62	87.2	3.89	106	4.76	120	5.46	134	6.18	149	6.92	158	7.43	172	8.48
	66	87.2	3.97	106	4.86	120	5.57	134	6.31	149	7.08	158	7.60	172	8.48
	70	87.2	4.05	106	4.96	120	5.69	134	6.45	149	7.40	158	8.08	172	9.15
	74	87.2	4.13	106	5.07	120	5.79	134	6.59	149	7.69	158	8.38	172	9.51
	78	87.2	4.21	106	5.17	120	5.90	134	6.73	149	7.98	158	8.68	172	9.87
	82	87.2	4.37	106	5.35	120	6.14	134	7.06	149	8.36	158	9.17	172	10.9
	86	87.2	4.68	106	5.95	120	7.02	134	8.17	149	9.42	158	10.3	172	11.7
70	50	78.3	3.25	120	4.58	120	5.14	134	5.81	149	6.50	158	7.00	162	7.70
	54	78.3	3.32	120	4.68	120	5.24	134	5.93	149	6.64	158	7.12	172	7.86
	58	87.2	3.82	106	4.67	120	5.35	134	6.05	149	6.78	158	7.27	172	8.03
	62	87.2	3.89	106	4.76	120	5.46	134	6.18	149	6.92	158	7.43	172	8.48
	66	87.2	3.97	106	4.86	120	5.57	134	6.31	149	7.08	158	7.60	172	8.48
	70	87.2	4.05	106	4.96	120	5.69	134	6.45	149	7.40	158	8.08	172	9.15
	74	87.2	4.13	106	5.07	120	5.79	134	6.59	149	7.69	158	8.38	172	9.51
	78	87.2	4.21	106	5.17	120	5.90	134	6.73	149	7.98	158	8.68	172	9.87
	82	87.2	4.37	106	5.35	120	6.14	134	7.06	149	8.36	158	9.17	172	10.9
	86	87.2	5.00	106	6.38	120	7.52	134	8.77	149	10.1	158	11.1	172	12.6
60	50	65.4	2.83	120	4.58	120	5.14	134	5.81	149	6.50	158	7.00	162	7.70
	54	65.4	2.88	120	4.68	120	5.24	134	5.93	149	6.64	158	7.12	172	7.86
	58	65.4	2.92	120	4.76	120	5.35	134	6.05	149	6.78	158	7.27	172	8.03
	62	65.4	2.97	120	4.86	120	5.46	134	6.18	149	6.92	158	7.43	172	8.48
	66	65.4	3.02	120	4.96	120	5.57	134	6.31	149	7.08	158	7.60	172	8.48
	70	65.4	3.07	120	5.07	120	5.69	134	6.45	149	7.40	158	8.08	172	9.15
	74	65.4	3.10	120	5.17	120	5.79	134	6.59	149	7.69	158	8.38	172	9.51
	78	65.4	3.14	120	5.27	120	5.90	134	6.73	149	7.98	158	8.68	172	9.87
	82	65.4	3.20	120	5.35	120	6.14	134	7.06	149	8.36	158	9.17	172	10.9
	86	65.4	3.40	120	5.95	120	7.52	134	8.77	149	10.1	158	11.1	172	12.6

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.

REYQ192PAYD

Combi-nation (%)	Indoor air temp. °F										Cooling capacity (MBH)				
	67		70		74		78		82						
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI					
90	50	112	5.10	136	6.26	185	7.19	173	8.15	191	9.14	203	9.82	221	10.8
	54	112	5.19	136	6.39	185	7.34	173	8.32	191	9.34	203	10.0	221	11.1
	58	112	5.29	136	6.55	185	7.58	173	8.60	191	9.70	203	10.5	221	12.2
	62	112	5.39	136	6.76	185	7.85	173	8.89	191	10.0	203	11.0	221	13.4
	66	112	5.50	136	6.99	185	8.21	173	9.34	191	10.6	203	11.7	221	14.8
	70	112	5.61	136	7.31	185	8.69	173	9.84	191	11.2	203	12.3	221	16.4
	72	112	5.77	136	7.70	185	9.15	173	10.2	191	11.8	203	13.0	221	18.1
	75	112	5.94	136	8.15	185	9.64	173	10.6	191	12.5	203	14.0	221	19.9
	79	112	6.21	136	8.69	185	10.27	173	11.1	191	13.2	203	15.1	221	21.8
	83	112	6.53	136	9.28	185	11.00	173	11.9	191	14.3	203	16.1	221	23.9
80	50	112	5.10	136	6.26	185	7.19	173	8.15	191	9.14	203	9.82	221	10.8
	54	112	5.19	136	6.39	185	7.34	173	8.32	191	9.34	203	10.0	221	11.8
	58	112	5.29	136	6.55	185	7.58	173	8.60	191	9.70	203	10.5	221	12.8
	62	112	5.39	136	6.76	185	7.85	173	8.89	191	10.0	203	11.0	221	13.9
	66	112	5.50	136	6.99	185	8.21	173	9.34	191	10.6	203	11.7	221	15.1
	70	112	5.61	136	7.31	185	8.69	173	9.84	191	11.2	203	12.3	221	16.4
	72	112	5.77	136	7.70	185	9.15	173	10.2	191	11.8	203	13.0	221	17.9
	75	112	5.94	136	8.15	185	9.64	173	10.6	191	12.5	203	14.0	221	19.4
	79	112	6.21	136	8.69	185	10.27	173	11.1	191	13.2	203	15.1	221	21.0
	83	112	6.53	136	9.28	185	11.00	173	11.9	191	14.3	203	16.1	221	22.7
70	50	112	5.10	136	6.26	185	7.19	173	8.15	191	9.14	203	9.82	221	10.8
	54	112	5.19	136	6.39	185	7.34	173	8.32	191	9.34	203	10.0	221	11.8
	58	112	5.29	136	6.55	185	7.58	173	8.60	191	9.70	203	10.5	221	12.8
	62	112	5.39	136	6.76	185	7.85	173	8.89	191	10.0	203	11.0	221	13.9
	66	112	5.50	136	6.99	185	8.21	173	9.34	191	10.6	203	11.7	221	15.1
	70	112	5.61	136	7.31	185	8.69	173	9.84	191	11.2	203	12.3	221	16.4
	72	112	5.77	136	7.70	185	9.15	173	10.2	191	11.8	203	13.0	221	17.9
	75	112	5.94	136	8.15	185	9.64	173	10.6	191	12.5	203	14.0	221	19.4
	79	112	6.21	136	8.69	185	10.27	173	11.1	191	13.2	203	15.1	221	21.0
	83	112	6.53	136	9.28	185	11.00	173	11.9	191	14.3	203	16.1	221	22.7
60	50	112	5.10	136	6.26	185	7.19	173	8.15	191	9.14	203	9.82	221	10.8
	54	112	5.19	136	6.39	185	7.34	173	8.32	191	9.34	203	10.0	221	11.8
	58	112	5.29	136	6.55	185	7.58	173	8.60	191	9.70	203	10.5	221	12.8
	62	112	5.39	136	6.76	185	7.85	173	8.89	191	10.0	203	11.0	221	13.9
	66	112	5.50	136	6.99	185	8.21	173	9.34	191	10.6	203	11.7	221	15.1
	70	112	5.61	136	7.31	185	8.69	173	9.84	191	11.2	203	12.3	221	16.4
	72	112	5.77	136	7.70	185	9.15	173	10.2	191	11.8	203	13.0	221	17.9
	75	112	5.94	136	8.15	185	9.64	173	10.6	191	12.5	203	14.0	221	19.4
	79	112	6.21	136	8.69	185	10.27	173	11.1	191	13.2	203	15.1	221	21.0
	83	112	6.53	136	9.28	185	11.00	173	11.9	191	14.3	203	16.1	221	22.7

Cooling capacity

Cooling capacity

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.

REYQ216PYDNR

Table with columns for Outdoor air temp., Indoor air temp., and Cooling capacity. Rows are categorized by Combustion rate (90, 80, 70, 60) and include sub-headers for air temp. and cooling capacity. The table contains detailed performance data for REYQ216PYDNR heat recovery units.

REYQ240PYDNR

Table with columns for Outdoor air temp., Indoor air temp., and Cooling capacity. Rows are grouped by Combustion rate (90, 80, 70, 60, 50) and include sub-headers for Total capacity, Power input, and PI.

9.2 Heating Capacity (REYQ-PAYD / PYDNR)

REYQ72PAYD

Combit-nation (%)	Outdoor air temp. °F/DB			Indoor air temp. °F/DB						Heating capacity				
	(F/DB)	(F/DB)	(F/DB)	61		65		70			75			
				TC	PI	TC	PI	TC	PI		TC	PI		
100	-3.64 -1.84 0 9.5 13.0 17.0 22.0 26.0 30.0 35.0 40.0 47.0	-2.2 -1.0 0 8.5 12.0 15.0 20.0 24.0 28.0 32.0 37.0 43.0	70.9 71.3 71.6 71.9 72.2 72.5 72.8 73.1 73.4 73.7 74.0 74.3	61	65	70	72	75	75	75	75			
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
	50.0 53.0 57.0 60.0	51.0 54.0 57.0 60.0	50.0 53.0 57.0 60.0	61	65	70	72	75	75	75	75	75	75	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
90	-3.64 -1.84 0 9.5 13.0 17.0 22.0 26.0 30.0 35.0 40.0 47.0	-2.2 -1.0 0 8.5 12.0 15.0 20.0 24.0 28.0 32.0 37.0 43.0	70.9 71.3 71.6 71.9 72.2 72.5 72.8 73.1 73.4 73.7 74.0 74.3	61	65	70	72	75	75	75	75			
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
	50.0 53.0 57.0 60.0	51.0 54.0 57.0 60.0	50.0 53.0 57.0 60.0	61	65	70	72	75	75	75	75	75	75	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
80	-3.64 -1.84 0 9.5 13.0 17.0 22.0 26.0 30.0 35.0 40.0 47.0	-2.2 -1.0 0 8.5 12.0 15.0 20.0 24.0 28.0 32.0 37.0 43.0	70.9 71.3 71.6 71.9 72.2 72.5 72.8 73.1 73.4 73.7 74.0 74.3	61	65	70	72	75	75	75	75			
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
	50.0 53.0 57.0 60.0	51.0 54.0 57.0 60.0	50.0 53.0 57.0 60.0	61	65	70	72	75	75	75	75	75	75	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	75
				61	65	70	72	75	75	75	75	75	75	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. °F		Indoor air temp. °F											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-3.64	-4.0	66.1	7.48	61.9	6.90	54.6	6.47	56.7	6.20	54.6	5.92	51.5	5.52
	-1.84	-2.2	66.1	7.43	61.9	6.85	58.8	6.43	56.7	6.15	54.6	5.88	51.5	5.48
	5.5	5.0	66.1	7.13	61.9	6.58	58.8	6.18	56.7	5.91	54.6	5.65	51.5	5.28
	9.5	8.5	66.1	6.95	61.9	6.41	58.8	6.02	56.7	5.77	54.6	5.52	51.5	5.15
	13.0	12.0	66.1	6.74	61.9	6.23	58.8	5.85	56.7	5.61	54.6	5.36	51.5	5.01
	15.0	14.0	66.1	6.62	61.9	6.12	58.8	5.75	56.7	5.51	54.6	5.27	51.5	4.92
	17.0	15.5	66.1	6.53	61.9	6.03	58.8	5.67	56.7	5.43	54.6	5.20	51.5	4.86
	19.0	18.0	66.1	6.37	61.9	5.89	58.8	5.53	56.7	5.30	54.6	5.08	51.5	4.74
	22.0	20.0	66.1	6.23	61.9	5.76	58.8	5.42	56.7	5.20	54.6	4.98	51.5	4.66
	26.0	24.0	66.1	5.96	61.9	5.52	58.8	5.19	56.7	4.98	54.6	4.77	51.5	4.46
	30.0	28.0	66.1	5.69	61.9	5.27	58.8	4.96	56.7	4.76	54.6	4.56	51.5	4.27
	35.0	32.0	66.1	5.42	61.9	5.02	58.8	4.73	56.7	4.54	54.6	4.35	51.5	4.08
39.0	36.0	66.1	5.15	61.9	4.78	58.8	4.50	56.7	4.33	54.6	4.15	51.5	3.89	
44.0	40.0	66.1	4.89	61.9	4.54	58.8	4.28	56.7	4.12	54.6	3.95	51.5	3.70	
47.0	43.0	66.1	4.70	61.9	4.37	58.8	4.12	56.7	3.96	54.6	3.80	51.5	3.57	
51.0	47.0	66.1	4.46	61.9	4.14	58.8	3.92	56.7	3.76	54.6	3.62	51.5	3.40	
54.0	50.0	66.1	4.28	61.9	3.98	58.8	3.77	56.7	3.62	54.6	3.48	51.5	3.27	
57.0	53.0	66.1	4.11	61.9	3.83	58.8	3.62	56.7	3.49	54.6	3.35	51.5	3.15	
60.0	56.0	66.1	3.95	61.9	3.68	58.8	3.49	56.7	3.36	54.6	3.23	51.5	3.04	
60	-3.64	-4.0	56.7	6.19	53.1	5.73	50.4	5.39	48.6	5.17	46.8	4.95	44.1	4.62
	-1.84	-2.2	56.7	6.15	53.1	5.69	50.4	5.35	48.6	5.13	46.8	4.91	44.1	4.59
	5.5	5.0	56.7	5.91	53.1	5.47	50.4	5.15	48.6	4.94	46.8	4.73	44.1	4.43
	9.5	8.5	56.7	5.77	53.1	5.34	50.4	5.03	48.6	4.82	46.8	4.62	44.1	4.32
	13.0	12.0	56.7	5.61	53.1	5.19	50.4	4.89	46.8	4.69	46.8	4.50	44.1	4.21
	15.0	14.0	56.7	5.51	53.1	5.10	50.4	4.81	46.8	4.61	46.8	4.42	44.1	4.14
	17.0	15.5	56.7	5.43	53.1	5.04	50.4	4.74	46.8	4.55	46.8	4.37	44.1	4.09
	19.0	18.0	56.7	5.30	53.1	4.92	50.4	4.63	46.8	4.45	46.8	4.27	44.1	4.00
	22.0	20.0	56.7	5.20	53.1	4.82	50.4	4.54	46.8	4.36	46.8	4.18	44.1	3.92
	26.0	24.0	56.7	4.98	53.1	4.62	50.4	4.36	46.8	4.19	46.8	4.02	44.1	3.77
	30.0	28.0	56.7	4.76	53.1	4.42	50.4	4.17	46.8	4.01	46.8	3.85	44.1	3.61
	35.0	32.0	56.7	4.54	53.1	4.22	50.4	3.99	46.8	3.83	46.8	3.68	44.1	3.46
39.0	36.0	56.7	4.33	53.1	4.02	50.4	3.80	46.8	3.66	46.8	3.51	44.1	3.30	
44.0	40.0	56.7	4.11	53.1	3.83	50.4	3.62	46.8	3.49	46.8	3.35	44.1	3.15	
47.0	43.0	56.7	3.96	53.1	3.69	50.4	3.49	46.8	3.36	46.8	3.23	44.1	3.04	
51.0	47.0	56.7	3.76	53.1	3.51	50.4	3.32	46.8	3.20	46.8	3.08	44.1	2.90	
54.0	50.0	56.7	3.62	53.1	3.38	50.4	3.20	46.8	3.09	46.8	2.97	44.1	2.80	
57.0	53.0	56.7	3.49	53.1	3.26	50.4	3.09	46.8	2.97	46.8	2.86	44.1	2.70	
60.0	56.0	56.7	3.35	53.1	3.14	50.4	2.97	46.8	2.86	46.8	2.76	44.1	2.61	

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

REYQ96PAYD

Table with columns for Combustion, Outdoor air temp., Indoor air temp., and Heating capacity. The table is organized into three main sections for combustion rates of 100, 90, and 80, each with a grid of data points for different indoor/outdoor temperature combinations.

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.

Heating capacity

Combi- nation (%)	Outdoor air temp.		Indoor air temp. °F/DB											
			61		65		68		70		72		75	
			TC (F/DB)	PI MBH	TC kW	PI MBH	TC kW	PI MBH	TC kW	PI MBH	TC kW	PI MBH	TC kW	PI MBH
70	-3.64	-4.0	75.9	9.98	75.7	10.3	75.5	10.6	75.4	10.8	75.3	11.0	75.2	11.3
	-1.84	-2.2	77.2	10.1	77.0	10.4	76.8	10.7	76.7	10.9	76.6	11.1	76.5	11.3
	5.5	5.0	83.5	10.5	83.3	10.9	83.1	11.1	83.0	11.3	82.9	11.4	82.8	11.7
	9.5	8.5	87.1	10.8	86.9	11.1	86.7	11.3	86.6	11.5	86.5	11.6	86.4	11.7
	13.0	12.0	91.0	11.0	90.8	11.3	90.6	11.5	90.5	11.7	90.4	11.8	90.3	11.9
	15.0	14.0	93.4	11.1	93.2	11.4	93.1	11.6	93.0	11.8	92.9	11.9	92.8	12.0
	17.0	15.5	95.3	11.2	95.1	11.5	94.9	11.7	94.8	11.9	94.7	12.0	94.6	12.1
	19.0	18.0	98.6	11.4	98.4	11.7	98.3	11.8	98.2	11.9	98.1	12.0	98.0	12.1
	22.0	20.0	101	11.5	101	11.8	100	11.4	99.5	11.3	99.0	11.0	98.5	10.8
	26.0	24.0	107	11.7	107	12.1	106	11.4	105	11.0	104	10.7	103	10.4
	30.0	28.0	110	11.4	109	11.6	108	11.4	107	11.2	106	11.0	105	10.8
	35.0	32.0	110	10.7	109	10.9	108	10.7	107	10.5	106	10.3	105	10.1
39.0	36.0	110	9.94	103	9.22	102	8.68	101	8.30	100	7.94	99.5	7.54	
44.0	40.0	110	9.28	103	8.61	102	8.07	101	7.73	100	7.43	99.5	7.02	
47.0	43.0	110	8.81	103	8.19	102	7.73	101	7.43	100	7.13	99.5	6.69	
51.0	47.0	110	8.24	103	7.67	102	7.24	101	6.96	100	6.69	99.5	6.28	
54.0	50.0	110	7.85	103	7.30	102	6.91	101	6.64	100	6.38	99.5	6.00	
57.0	53.0	110	7.48	103	6.97	102	6.59	101	6.34	100	6.10	99.5	5.74	
60.0	56.0	110	7.13	103	6.65	102	6.29	101	6.06	100	5.83	99.5	5.49	
60	-3.64	-4.0	75.4	10.8	75.2	11.1	75.1	11.4	75.0	11.5	74.9	11.7	73.5	11.6
	-1.84	-2.2	76.7	10.9	76.6	11.2	76.4	11.4	76.4	11.6	76.3	11.7	73.5	11.3
	5.5	5.0	83.0	11.3	82.8	11.6	82.7	11.8	81.0	11.6	80.0	11.0	73.5	10.3
	9.5	8.5	86.6	11.5	86.4	11.8	84.0	11.5	81.0	11.0	78.0	10.5	73.5	9.79
	13.0	12.0	90.5	11.7	88.5	11.5	84.0	10.8	81.0	10.4	78.0	9.84	73.5	9.28
	15.0	14.0	93.0	11.8	88.5	11.2	84.0	10.5	81.0	10.1	78.0	9.64	73.5	9.00
	17.0	15.5	94.5	11.8	88.5	10.9	84.0	10.3	81.0	9.83	78.0	9.41	73.5	8.79
	19.0	18.0	94.5	11.3	88.5	10.5	84.0	9.85	81.0	9.44	78.0	9.04	73.5	8.45
	22.0	20.0	94.5	10.9	88.5	10.1	84.0	9.53	81.0	9.14	78.0	8.75	73.5	8.19
	26.0	24.0	94.5	10.2	88.5	9.47	84.0	8.92	81.0	8.56	78.0	8.20	73.5	7.68
	30.0	28.0	94.5	9.54	88.5	8.85	84.0	8.35	81.0	8.02	78.0	7.69	73.5	7.21
	35.0	32.0	94.5	8.92	88.5	8.28	84.0	7.81	81.0	7.51	78.0	7.21	73.5	6.76
39.0	36.0	94.5	8.34	88.5	7.75	84.0	7.32	81.0	7.04	78.0	6.76	73.5	6.35	
44.0	40.0	94.5	7.80	88.5	7.26	84.0	6.86	81.0	6.60	78.0	6.35	73.5	5.97	
47.0	43.0	94.5	7.43	88.5	6.92	84.0	6.55	81.0	6.30	78.0	6.06	73.5	5.70	
51.0	47.0	94.5	6.96	88.5	6.50	84.0	6.15	81.0	5.92	78.0	5.70	73.5	5.37	
54.0	50.0	94.5	6.64	88.5	6.20	84.0	5.88	81.0	5.66	78.0	5.45	73.5	5.14	
57.0	53.0	94.5	6.34	88.5	5.92	84.0	5.62	81.0	5.42	78.0	5.22	73.5	4.92	
60.0	56.0	94.5	6.06	88.5	5.67	84.0	5.38	81.0	5.18	78.0	5.00	73.5	4.72	

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.

REYQ144PAYD

Heating capacity

Table with 22 columns: Combustion (%), Outdoor air temp., Indoor air temp. °FDB (61, 65, 68, 70, 72, 75), and Heating capacity (TC, PI, MBH, KW, MBH, KW). Includes data for 100%, 90%, and 80% combustion efficiency.

Heating capacity

Table with 22 columns: Combustion (%), Outdoor air temp., Indoor air temp. °FDB (61, 65, 68, 70, 72, 75), and Heating capacity (TC, PI, MBH, KW, MBH, KW). Includes data for 130%, 120%, and 110% combustion efficiency.

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. (FDB) (F/WB)	Indoor air temp. °F DB													
		61		65		68		70		72		75			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
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	14.3
	9.5	108	15.0	112	15.4	112	15.7	112	15.8	109	15.8	109	15.9	103	14.0
	13.0	108	15.1	113	15.5	113	15.8	113	15.9	109	15.9	109	16.0	103	13.7
	16.0	108	15.2	114	15.6	114	15.9	114	16.0	109	16.0	109	16.1	103	13.4
	19.0	108	15.3	115	15.7	115	16.0	115	16.1	109	16.1	109	16.2	103	13.1
	22.0	108	15.4	116	15.8	116	16.1	116	16.2	109	16.2	109	16.3	103	12.8
	25.0	108	15.5	117	15.9	117	16.2	117	16.3	109	16.3	109	16.4	103	12.5
	28.0	108	15.6	118	16.0	118	16.3	118	16.4	109	16.4	109	16.5	103	12.2
	31.0	108	15.7	119	16.1	119	16.4	119	16.5	109	16.5	109	16.6	103	11.9
	34.0	108	15.8	120	16.2	120	16.5	120	16.6	109	16.6	109	16.7	103	11.6
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	15.1	101	14.2	97.2	13.6	83.6	13.0	88.2	12.1	88.2	12.1
	5.5	106	15.7	106	14.9	106	13.7	101	12.9	97.2	12.3	83.6	11.8	88.2	11.0
	9.5	106	15.8	106	14.8	106	13.6	101	12.8	97.2	12.2	83.6	11.7	88.2	10.4
	13.0	106	15.9	106	14.7	106	13.5	101	12.7	97.2	12.1	83.6	11.6	88.2	9.9
	16.0	106	16.0	106	14.6	106	13.4	101	12.6	97.2	12.0	83.6	11.5	88.2	9.4
	19.0	106	16.1	106	14.5	106	13.3	101	12.5	97.2	11.9	83.6	11.4	88.2	8.9
	22.0	106	16.2	106	14.4	106	13.2	101	12.4	97.2	11.8	83.6	11.3	88.2	8.4
	25.0	106	16.3	106	14.3	106	13.1	101	12.3	97.2	11.7	83.6	11.2	88.2	7.9
	28.0	106	16.4	106	14.2	106	13.0	101	12.2	97.2	11.6	83.6	11.1	88.2	7.4
	31.0	106	16.5	106	14.1	106	12.9	101	12.1	97.2	11.5	83.6	11.0	88.2	6.9
	34.0	106	16.6	106	14.0	106	12.8	101	12.0	97.2	11.4	83.6	10.9	88.2	6.4

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.

REYQ168PAYD

Heating capacity

Table with 38 columns: Outdoor air temp., Combustion, Indoor air temp. (61, 65, 68, 70, 72, 75). Rows for 100, 90, and 80% combustion.

Heating capacity

Table with 38 columns: Outdoor air temp., Combustion, Indoor air temp. (61, 65, 68, 70, 72, 75). Rows for 130, 120, and 110% combustion.

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.

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	124	18.9	124	18.3	124	18.6	124	18.9	124	18.9	124	19.1
	-1.84	126	19.0	127	18.4	127	18.8	127	19.0	126	19.0	126	19.1
	5.5	132	18.3	132	19.0	132	19.2	132	19.3	132	19.3	132	19.3
	9.5	137	18.6	137	19.0	136	19.2	136	19.2	136	19.2	136	19.2
	13.0	143	18.9	143	19.3	136	19.2	136	19.2	136	19.2	136	19.2
	15.0	150	19.2	144	18.3	136	19.2	136	19.2	136	19.2	136	19.2
	17.0	154	19.2	144	17.7	136	19.2	136	19.2	136	19.2	136	19.2
	19.0	154	17.9	144	16.6	136	19.2	136	19.2	136	19.2	136	19.2
	22.0	160	17.3	144	16.0	136	19.2	136	19.2	136	19.2	136	19.2
	26.0	162	14.4	149	14.9	136	19.2	136	19.2	136	19.2	136	19.2
	30.0	154	15.0	144	13.9	136	19.2	136	19.2	136	19.2	136	19.2
	35.0	144	14.0	144	13.0	136	19.2	136	19.2	136	19.2	136	19.2
39.0	136	13.1	144	12.1	136	19.2	136	19.2	136	19.2	136	19.2	
44.0	122	11.6	144	10.8	136	19.2	136	19.2	136	19.2	136	19.2	
47.0	116	10.9	144	10.1	136	19.2	136	19.2	136	19.2	136	19.2	
51.0	103	10.3	144	9.62	136	19.2	136	19.2	136	19.2	136	19.2	
54.0	94.0	9.40	144	8.76	136	19.2	136	19.2	136	19.2	136	19.2	
57.0	85.0	8.50	144	7.99	136	19.2	136	19.2	136	19.2	136	19.2	
60.0	76.0	7.60	144	7.22	136	19.2	136	19.2	136	19.2	136	19.2	
60	-3.64	124	18.9	123	19.1	117	17.9	113	17.1	109	16.3	102	15.2
	-1.84	126	19.0	123	18.7	117	17.5	113	16.7	109	16.0	102	14.9
	5.5	132	18.3	123	16.9	117	15.8	113	15.2	109	14.5	102	13.5
	9.5	137	17.4	123	16.0	117	15.0	113	14.4	109	13.8	102	12.8
	13.0	143	16.4	123	15.2	117	14.2	113	13.6	109	13.1	102	12.2
	15.0	150	15.9	123	14.7	117	13.8	113	13.2	109	12.7	102	11.8
	17.0	155	15.5	123	14.3	117	13.5	113	12.9	109	12.4	102	11.5
	19.0	160	14.9	123	13.8	117	12.9	113	12.4	109	11.9	102	11.1
	22.0	160	14.4	123	13.3	117	12.5	113	12.0	109	11.5	102	10.8
	26.0	154	13.4	123	12.4	117	11.7	113	11.2	109	11.0	102	10.1
	30.0	144	12.5	123	11.6	117	11.0	113	10.5	109	10.1	102	9.47
	35.0	132	11.7	123	10.9	117	10.3	113	9.87	109	9.48	102	8.89
39.0	123	11.0	123	10.2	117	9.63	113	9.26	109	8.89	102	8.35	
44.0	110	10.3	123	9.55	117	9.03	113	8.69	109	8.35	102	7.85	
47.0	103	9.78	123	9.11	117	8.62	113	8.29	109	7.97	102	7.50	
51.0	97.0	9.17	123	8.55	117	8.10	113	7.80	109	7.50	102	7.07	
54.0	90.0	8.75	123	8.17	117	7.74	113	7.46	109	7.18	102	6.77	
57.0	83.0	8.36	123	7.81	117	7.40	113	7.14	109	6.87	102	6.48	
60.0	76.0	7.99	123	7.47	117	7.09	113	6.83	109	6.58	102	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. (FDB) (F/WB)	Indoor air temp. °FDB												
		61			65			70			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	
70	-3.64	4.0	142	20.7	141	21.2	141	21.6	141	21.9	141	22.2	137	21.7
	-1.84	-2.2	144	20.8	144	21.8	144	21.8	143	22.0	143	22.3	137	21.2
	5.5	5.0	156	21.5	156	22.0	155	22.4	151	21.7	146	20.7	137	19.2
	9.5	8.5	163	21.9	162	22.3	157	21.5	151	20.6	146	19.6	137	18.3
	13.0	12.0	170	22.2	165	21.7	157	20.3	151	19.4	146	18.6	137	17.3
	15.0	14.0	175	22.4	165	21.0	157	19.2	151	18.8	146	18.0	137	16.7
	17.0	15.5	176	22.2	165	20.4	157	19.2	151	18.3	146	17.5	137	16.3
	19.0	18.0	176	21.2	165	19.6	157	18.4	151	17.6	146	16.8	137	15.7
	22.0	20.0	176	20.5	165	18.9	157	17.8	151	17.0	146	16.3	137	15.2
	26.0	24.0	176	19.1	165	17.7	157	16.6	151	15.9	146	15.2	137	14.2
	30.0	28.0	176	17.8	165	16.5	157	15.5	151	14.9	146	14.2	137	13.3
	35.0	32.0	176	16.6	165	15.4	157	14.5	151	13.9	146	13.3	137	12.4
39.0	36.0	176	15.5	165	14.4	157	13.5	151	13.0	146	12.4	137	11.7	
44.0	40.0	176	14.5	165	13.4	157	12.7	151	12.2	146	12.4	137	11.7	
47.0	43.0	176	13.7	165	12.8	157	12.0	151	11.6	146	11.7	137	10.9	
51.0	47.0	176	12.9	165	12.0	157	11.3	151	10.9	146	10.4	137	9.80	
54.0	50.0	176	12.2	165	11.4	157	10.8	151	10.4	146	9.95	137	9.36	
57.0	53.0	176	11.7	165	10.9	157	10.3	151	9.89	146	9.51	137	8.95	
60.0	56.0	176	11.1	165	10.4	157	9.82	151	9.45	146	9.09	137	8.56	
60	-3.64	-4.0	141	21.9	141	22.4	134	21.2	130	20.2	125	19.3	118	18.0
	-1.84	-2.2	143	22.0	142	22.1	134	20.7	130	19.8	125	18.9	118	17.6
	5.5	5.0	151	21.7	142	20.0	134	18.8	130	18.0	125	17.2	118	16.0
	9.5	8.5	151	20.6	142	19.0	134	17.8	130	17.0	125	16.3	118	15.2
	13.0	12.0	151	19.4	142	17.9	134	16.9	130	16.2	125	15.5	118	14.4
	15.0	14.0	151	18.8	142	17.4	134	16.3	130	15.6	125	15.0	118	14.0
	17.0	15.5	151	18.3	142	17.0	134	15.9	130	15.3	125	14.6	118	13.7
	19.0	18.0	151	17.6	142	16.3	134	15.3	130	14.7	125	14.1	118	13.1
	22.0	20.0	151	17.0	142	15.7	134	14.8	130	14.2	125	13.6	118	12.7
	26.0	24.0	151	15.9	142	14.7	134	14.8	130	14.2	125	13.6	118	12.7
	30.0	28.0	151	14.9	142	13.8	134	13.9	130	13.3	125	12.8	118	11.9
	35.0	32.0	151	13.9	142	12.9	134	13.4	130	12.5	125	12.0	118	11.2
39.0	36.0	151	13.0	142	12.1	134	12.2	130	11.7	125	11.2	118	10.5	
44.0	40.0	151	12.1	142	11.3	134	11.4	130	11.0	125	10.5	118	9.88	
47.0	43.0	151	11.6	142	10.8	134	10.7	130	10.3	125	9.88	118	9.29	
51.0	47.0	151	10.9	142	10.1	134	9.59	130	9.23	125	8.88	118	8.88	
54.0	50.0	151	10.4	142	9.67	134	9.16	130	8.83	125	8.50	118	8.01	
57.0	53.0	151	9.89	142	9.24	134	8.76	130	8.45	125	8.13	118	7.67	
60.0	56.0	151	9.45	142	8.84	134	8.39	130	8.09	125	7.79	118	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.

REYQ216PYDNR

Table with columns for Combustion (%), Outdoor air temp., Indoor air temp. F/DB, and Heating capacity (TC, PI, MBH, KW) for various conditions. Includes rows for 100% and 80% combustion.

Table with columns for Combustion (%), Outdoor air temp., Indoor air temp. F/DB, and Heating capacity (TC, PI, MBH, KW) for various conditions. Includes rows for 130, 120, and 110% combustion.

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

Note1 : is shown as reference.

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

REYQ240PYDNR

Combit-nation (%)		Outdoor air temp. (F/DB)	Indoor air temp. F/DB																							
			61				65				70				72				75							
			TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW				
100	-3.64 -1.84 9.5 13.0 15.0 17.0 19.0 22.0 30.0 35.0 40.0 47.0 51.0 54.0 57.0 60.0	-4.0 -2.2 8.5 12.0 14.0 15.5 18.0 20.0 26.0 32.0 38.0 43.0 47.0 51.0 54.0 60.0	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5
			15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5
			15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5
			15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5
			15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5
			15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5
			15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5
			15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5
			15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5
			15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5
15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5	15.7	16.7	153	17.5			

Combit-nation (%)		Outdoor air temp. (F/DB)	Indoor air temp. F/DB																							
			61				65				70				72				75							
			TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW				
130	-3.64 -1.84 9.5 13.0 15.0 17.0 19.0 22.0 30.0 35.0 40.0 47.0 51.0 54.0 57.0 60.0	-4.0 -2.2 8.5 12.0 14.0 15.5 18.0 20.0 26.0 32.0 38.0 43.0 47.0 51.0 54.0 60.0	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2
			12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2
			12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2
			12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2
			12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2
			12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2
			12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2
			12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2
			12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2
			12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2
12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2	12.2	12.2	156	13.2			

TC : Total capacity ; MBH
 PI : Power Input ; kW (Comp.+Outdoor fan motor)
 Note1 : is shown as reference.
 When selecting the unit models, avoid the Outdoor air temperature range shown by

Heating capacity

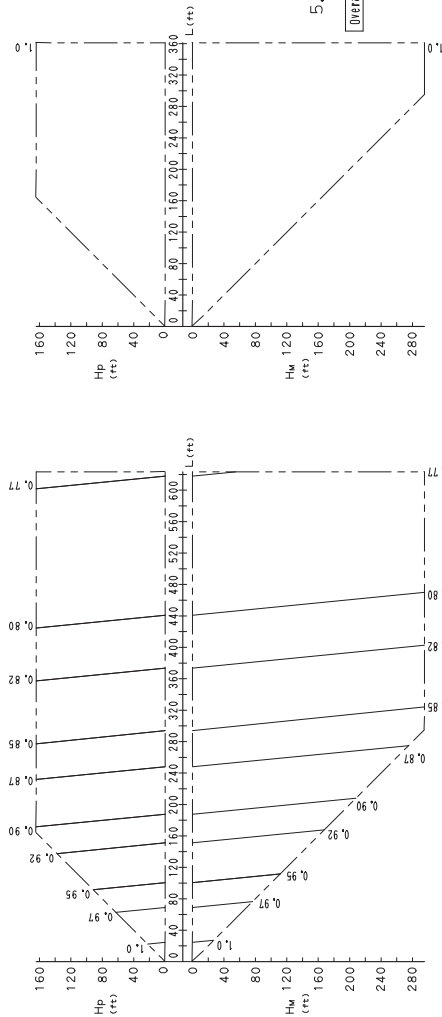
Comb- ration (%)	Outdoor air temp. (F/WB)	Indoor air Temp. F/DB																		
		61			65			68			70			72			75			
		TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	
70	-3.64	-4.0	152	20.5	151	21.2	151	21.7	151	22.1	151	22.3	150	23.2	150	23.5	150	23.8	147	23.6
	-1.84	-2.2	154	20.7	154	21.4	154	21.9	153	22.3	153	22.6	153	23.0	153	23.3	153	23.6	147	23.1
	0.5	0.6	157	21.0	157	21.7	157	22.1	156	22.5	156	22.8	156	23.2	156	23.5	156	23.8	147	23.0
	1.3	1.4	160	21.3	160	22.0	160	22.4	159	22.8	159	23.1	159	23.5	159	23.8	159	24.1	147	22.8
	1.7	1.8	163	21.6	163	22.3	163	22.7	162	23.1	162	23.4	162	23.8	162	24.1	162	24.4	147	22.6
	1.9	2.0	166	21.9	166	22.6	166	23.0	165	23.4	165	23.7	165	24.1	165	24.4	165	24.7	147	22.4
	2.1	2.2	169	22.2	169	22.9	169	23.3	168	23.7	168	24.0	168	24.4	168	24.7	168	25.0	147	22.2
	2.3	2.4	172	22.5	172	23.2	172	23.6	171	24.0	171	24.3	171	24.7	171	25.0	171	25.3	147	22.0
	2.5	2.6	175	22.8	175	23.5	175	23.9	174	24.3	174	24.6	174	25.0	174	25.3	174	25.6	147	21.8
	2.7	2.8	178	23.1	178	23.8	178	24.2	177	24.6	177	24.9	177	25.5	177	25.8	177	26.1	147	21.6
	2.9	3.0	181	23.4	181	24.1	181	24.5	180	24.9	180	25.2	180	25.8	180	26.1	180	26.4	147	21.4
	3.1	3.2	184	23.7	184	24.4	184	24.8	183	25.2	183	25.5	183	26.1	183	26.4	183	26.7	147	21.2
60	-3.64	-4.0	151	22.1	150	22.7	150	23.2	150	23.5	150	23.8	149	24.7	149	25.0	149	25.3	147	24.6
	-1.84	-2.2	153	22.3	153	22.9	153	23.3	153	23.6	153	23.9	153	24.8	153	25.1	153	25.4	147	24.4
	0.5	0.6	156	22.6	156	23.2	156	23.6	156	23.9	156	24.2	156	25.1	156	25.4	156	25.7	147	24.2
	1.3	1.4	159	22.9	159	23.5	159	23.9	159	24.2	159	24.5	159	25.4	159	25.7	159	26.0	147	24.0
	1.7	1.8	162	23.2	162	23.8	162	24.2	162	24.5	162	24.8	162	25.7	162	26.0	162	26.3	147	23.8
	1.9	2.0	165	23.5	165	24.1	165	24.5	165	24.8	165	25.1	165	26.0	165	26.3	165	26.6	147	23.6
	2.1	2.2	168	23.8	168	24.4	168	24.8	168	25.1	168	25.4	168	26.3	168	26.6	168	26.9	147	23.4
	2.3	2.4	171	24.1	171	24.7	171	25.1	171	25.4	171	25.7	171	26.6	171	26.9	171	27.2	147	23.2
	2.5	2.6	174	24.4	174	25.0	174	25.4	174	25.7	174	26.0	174	26.9	174	27.2	174	27.5	147	23.0
	2.7	2.8	177	24.7	177	25.3	177	25.7	177	26.0	177	26.3	177	27.2	177	27.5	177	27.8	147	22.8
	2.9	3.0	180	25.0	180	25.6	180	26.0	180	26.3	180	26.6	180	27.5	180	27.8	180	28.1	147	22.6
	3.1	3.2	183	25.3	183	25.9	183	26.3	183	26.6	183	26.9	183	27.8	183	28.1	183	28.4	147	22.4
50	-3.64	-4.0	150	23.7	147	23.7	140	22.2	135	21.3	130	20.4	123	19.0						
	-1.84	-2.2	153	23.8	147	23.2	140	21.8	135	20.9	130	20.0	123	18.6						
	0.5	0.6	157	24.1	147	23.5	140	21.8	135	20.9	130	20.0	123	18.2						
	1.3	1.4	160	24.4	147	23.8	140	22.1	135	21.2	130	20.3	123	17.8						
	1.7	1.8	164	24.7	147	24.1	140	22.4	135	21.5	130	20.6	123	17.4						
	1.9	2.0	168	25.0	147	24.4	140	22.7	135	21.8	130	20.9	123	17.0						
	2.1	2.2	172	25.3	147	24.7	140	23.0	135	22.1	130	21.2	123	16.6						
	2.3	2.4	176	25.6	147	25.0	140	23.3	135	22.4	130	21.5	123	16.2						
	2.5	2.6	180	25.9	147	25.3	140	23.6	135	22.7	130	21.8	123	15.8						
	2.7	2.8	184	26.2	147	25.6	140	23.9	135	23.0	130	22.1	123	15.4						
	2.9	3.0	188	26.5	147	25.9	140	24.2	135	23.3	130	22.4	123	15.0						
	3.1	3.2	192	26.8	147	26.2	140	24.5	135	23.6	130	22.7	123	14.6						

TC : Total capacity ; MBH
 PI : Power Input ; kW (Comp.+Outdoor fan motor)
 Note1 : is shown as reference
 When selecting the unit models, avoid the Outdoor air temperature range shown by

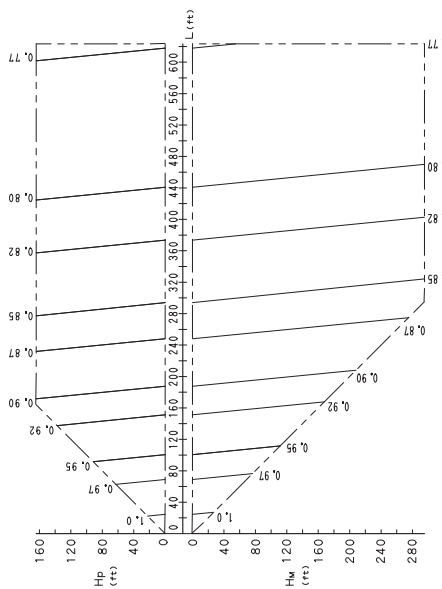
9.3 Capacity Correction Factor

REYQ72PAYD

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

- Condition: Indoor unit combination ratio exceeds 100%.
X [Capacity change rate due to piping length to the farthest indoor unit]
Maximum A/C capacity of outdoor units = A/C capacity of outdoor units obtained from capacity characteristic table at the combination
- Condition: Indoor unit combination ratio exceeds 100%.
X [Capacity change rate due to piping length to the farthest indoor unit]
Maximum A/C capacity of outdoor units = A/C capacity of outdoor units obtained from capacity characteristic table at the combination

4. When overall equivalent pipe length is 295.0ft or more, the diameter of the main 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	Liquid
REYQ72PAYD	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 : Capacity correction factor

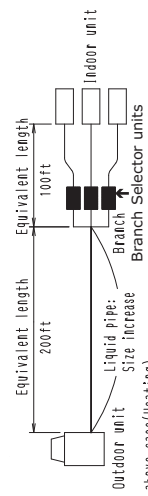
[Diameter of pipe(Standard size)]

Model	Liquid
REYQ72PAYD	φ 3/8

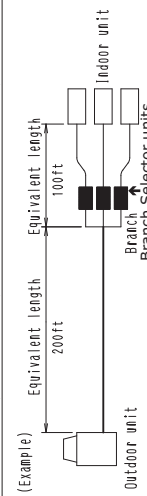
5. When the main sections of the interunit liquid pipe diameters are increased the overall equivalent length should be calculated as follows, (Heating only)
Overall equivalent length = Equivalent length to main pipe × Correction factor + Equivalent length after branching

[Choose a correction factor from the following table]

Model	Correction factor
REYQ72PAYD	0.2



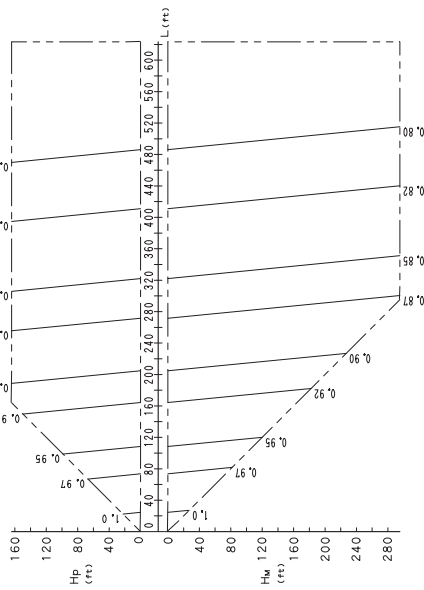
- In the above case (Heating)
Overall equivalent length = 200ft × 0.4 + 100ft = 180ft
The correction factor in capacity when Hp=0ft is thus approximately 1.0.
- 6. In the combination which does not include cooling only indoor unit, calculate the equivalent length pipe by the following when you calculate cooling capacity.
Overall equivalent length = Equivalent length to main pipe × 0.5 + Equivalent length after branching



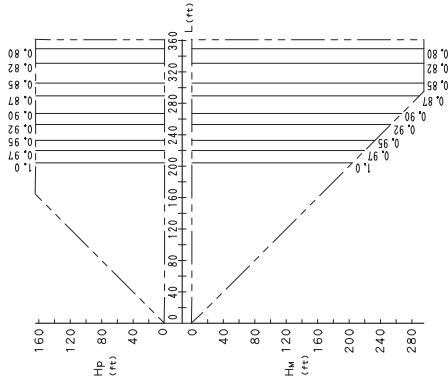
In the above case (Cooling)
Overall equivalent length = 200ft × 0.5 + 100ft = 200ft
The correction factor in capacity when Hp=0m is thus approximately 0.86.

REYQ96PAYD

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

Hw : Level difference (ft) between indoor and outdoor units where indoor unit in superior position

L : Equivalent pipe length (ft)

α : Capacity correction factor

[Diameter of pipe (Standard size)]

Model	Liquid
REYQ96PAYD	ϕ 3/8

[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%.

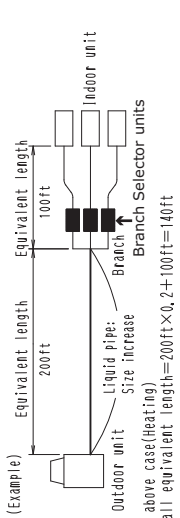
Maximum A/C capacity of outdoor units	=	A/C capacity of outdoor units obtained from capacity characteristic table at the farthest indoor unit
	X	Capacity change rate due to piping length to the farthest indoor unit
 - Condition: Indoor unit combination ratio exceeds 100%.

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 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	Liquid
REYQ96PAYD	ϕ 1/2

5. When the main sections of the interunit liquid pipe diameters are increased the overall equivalent length should be calculated as follows, (Heating only)

Overall equivalent length = Equivalent length to main pipe $\times 0.2$ + Equivalent length after branching

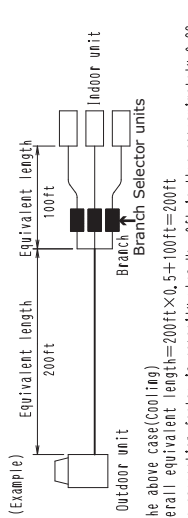


In the above case (Heating)
Overall equivalent length = 200ft $\times 0.2$ + 100ft = 140ft

The correction factor in capacity when Hp=0ft is thus approximately 1.0.

6. In the combination which does not include cooling only indoor unit. Calculate the equivalent length pipe by the following when you calculate cooling capacity.

Overall equivalent length = Equivalent length to main pipe $\times 0.5$ + Equivalent length after branching

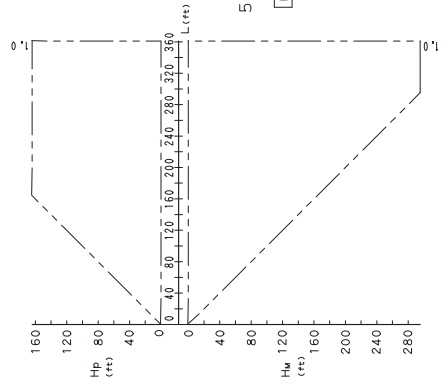


In the above case (Cooling)
Overall equivalent length = 200ft $\times 0.5$ + 100ft = 200ft

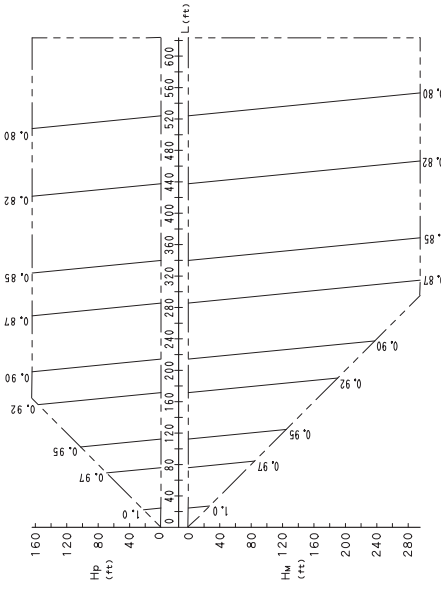
The correction factor in capacity when Hp=0ft is thus approximately 0.88.

REYQ120PAYD

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 : Capacity correction factor

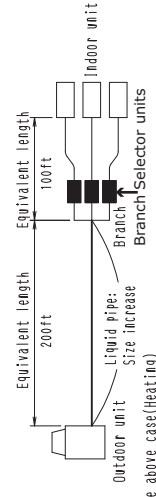
[Diameter of pipe(Standard size)]

Model	Liquid
REYQ120PAYD	ϕ 1/2

5. When the main sections of the interunit liquid pipe diameters are increased the overall equivalent length should be calculated as follows, (Heating only)
 Overall equivalent length=Equivalent length to main pipe \times Correction factor+Equivalent length after branching

[Choose a correction factor from the following table]

Model	Correction factor
REYQ120PAYD	0.3

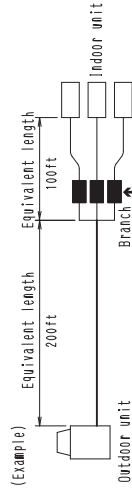


In the above case(Heating)
 Overall equivalent length=200ft \times 0.3+100ft=180ft

The correction factor in capacity when Hp=0ft is thus approximately 1.0.

6. In the combination which does not include cooling only indoor unit, calculate the equivalent length pipe by the following when you calculate cooling capacity.

[Overall equivalent length=Equivalent length to main pipe \times 0.5+Equivalent length after branching]



In the above case(Cooling)
 Overall equivalent length=200ft \times 0.5+100ft=200ft

The correction factor in capacity when Hp=0ft is thus approximately 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%.

$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at the 100\% combination} \times \text{Capacity change rate due to piping length to the farthest indoor unit}$$
- When overall equivalent pipe length is 295.3ft or more, the diameter of the main 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]

* Condition: Indoor unit combination ratio exceeds 100%.

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

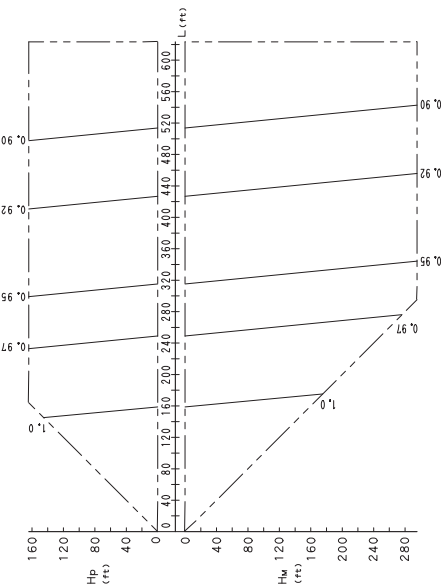
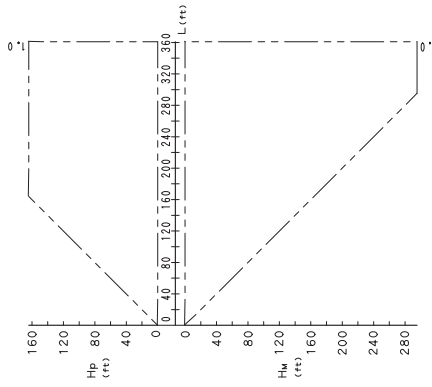
* Condition: Indoor unit combination ratio exceeds 100%.

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

Model	Liquid
REYQ120PAYD	ϕ 5/8

REYQ144PAYD

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
 Hw: Level difference(ft)between indoor and outdoor units
 where indoor unit in superior position

L : Equivalent pipe length(ft)
 α : Capacity correction factor

[Diameter of Pipe(Standard size)]

Model	liquid
REYQ144PAYD	φ 1/2

[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%.

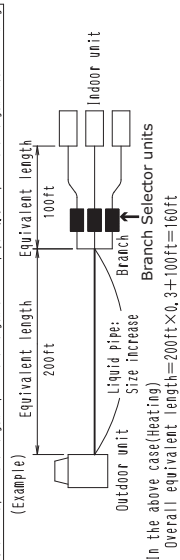
$$\text{Maximum A/C capacity of outdoor units} = \left[\frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at the 100\% combination}}{\text{Capacity change rate due to piping length to the farthest indoor unit}} \right] \times \text{Capacity change rate due to piping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

$$\text{Maximum A/C capacity of outdoor units} = \left[\frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at the combination}}{\text{Capacity change rate due to piping length to the farthest indoor unit}} \right] \times \text{Capacity change rate due to piping length to the farthest indoor unit}$$
- When overall equivalent pipe length is 295.3ft or more, the diameter of the main 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	liquid
REYQ144PAYD	φ 5/8

5. When the main sections of the interunit liquid pipe diameters are increased the overall equivalent length should be calculated as follows. (Heating only)

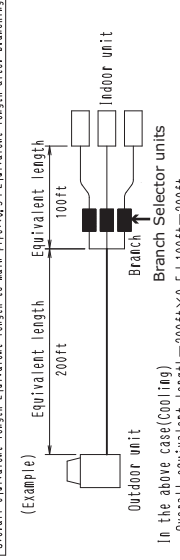
Overall equivalent length=Equivalent length to main pipe×0.3+Equivalent length after branching



In the above case(Heating)
 Overall equivalent length=200ft×0.3+100ft=160ft
 The correction factor in capacity when Hp=0ft is thus approximately 1.0.

6. In the combination which does not include cooling only indoor unit, calculate the equivalent length pipe by the following when you calculate cooling capacity.

Overall equivalent length=Equivalent length to main pipe×0.5+Equivalent length after branching



In the above case(Cooling)
 Overall equivalent length=200ft×0.5+100ft=200ft
 The correction factor in capacity when Hp=0ft is thus approximately 0.96.

REYQ168PAYD

2. Rate of change in heating capacity

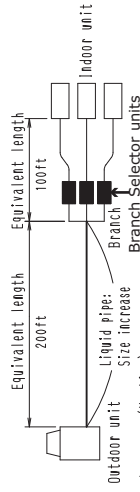
[Explanation of symbols]
 Hp : Level difference(ft)between indoor and outdoor units where indoor unit in inferior position
 Hm: Level difference(ft)between indoor and outdoor units where indoor unit in superior position
 L : Equivalent pipe length(ft)
 α : Capacity correction factor
 [Diameter of pipe(standard size)]

Model	Liquid
REYQ168PAYD	φ 5/8

5. When the main sections of the intermit liquid pipe diameters are increased the overall equivalent length should be calculated as follows, (Heating only)
 Overall equivalent length=Equivalent length to main pipe×Correction factor+Equivalent length after branching

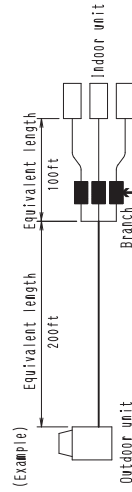
[Choose a correction factor from the following table]

Model	Correction factor
REYQ168PAYD	0.4



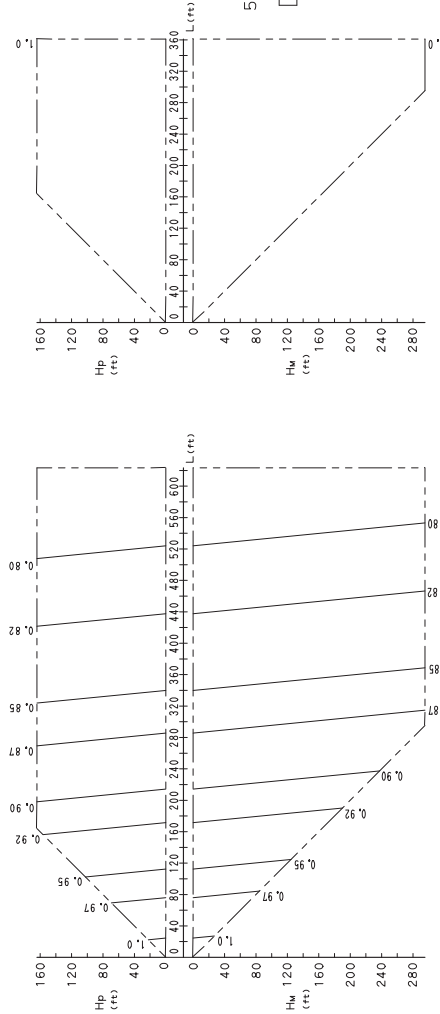
In the above case(Heating)
 Overall equivalent length=200ft×0.4+100ft=180ft

6. In the combination in capacity when Hp=0ft is thus approximately 1.0. The correction factor in capacity which does not include cooling only indoor unit. Calculate the equivalent length pipe by the following when you calculate cooling capacity.
 Overall equivalent length=Equivalent length to main pipe×0.5+Equivalent length after branching



In the above case(Cooling)
 Overall equivalent length=200ft×0.5+100ft=200ft
 The correction factor in capacity when Hp=0ft is thus approximately 0.88.

1. Rate of change in cooling capacity



[Notes]

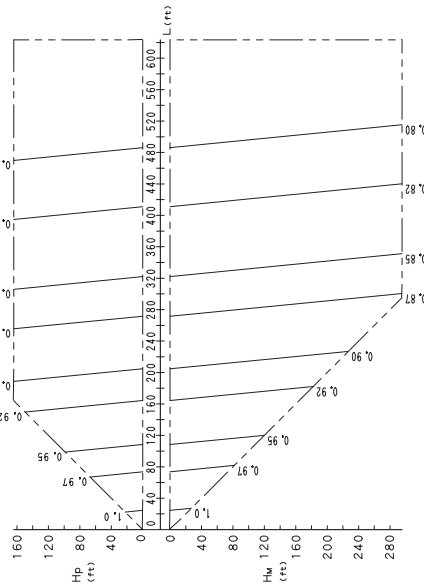
- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions. Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
- 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%.

$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at the 100\% combination} \times \left[\frac{\text{Capacity change rate due to piping length to the farthest indoor unit}}{\text{Capacity change rate due to piping length to the farthest indoor unit}} \right]$$
- When overall equivalent pipe length is 295.3ft or more, the diameter of the main 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]

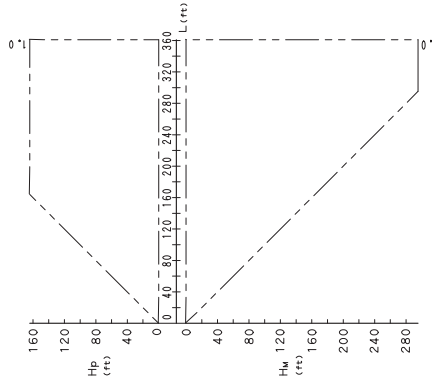
Model	Liquid
REYQ168PAYD	φ 3/4

REYQ192PAYD

1. Rate of change in cooling capacity



2. Rate of change in heating 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%.
$$\frac{\text{Maximum A/C capacity of outdoor units}}{\text{Maximum A/C capacity of indoor units}} = \frac{\text{A/C capacity of outdoor units}}{\text{A/C capacity of indoor units}}$$

X [Capacity change rate due to piping length to the farthest indoor unit]
• Condition: Indoor unit combination ratio exceeds 100%.
$$\frac{\text{Maximum A/C capacity of outdoor units}}{\text{Maximum A/C capacity of indoor units}} = \frac{\text{A/C capacity of outdoor units}}{\text{Maximum A/C capacity of indoor units}}$$

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 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	Liquid
REYQ192PAYD	φ 3/4

[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

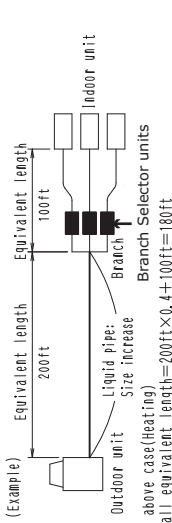
L : Equivalent pipe length(ft)

α : Capacity correction factor

[Diameter of pipe(Standard size)]

Model	Liquid
REYQ192PAYD	φ 5/8

- When the main sections of the interunit liquid pipe diameters are increased the overall equivalent length should be calculated as follows, (Heating only)
Overall equivalent length=Equivalent length to main pipe×0.4+Equivalent length after branching



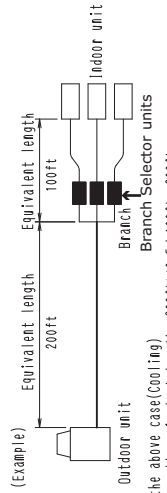
In the above case(Heating)
Overall equivalent length=200ft×0.4+100ft=180ft

The correction factor in capacity when Hp=0ft is thus approximately 1.0.

In the combination which does not include cooling only indoor unit.

Calculate the equivalent length pipe by the following when you calculate cooling capacity.

Overall equivalent length=Equivalent length to main pipe×0.5+Equivalent length after branching

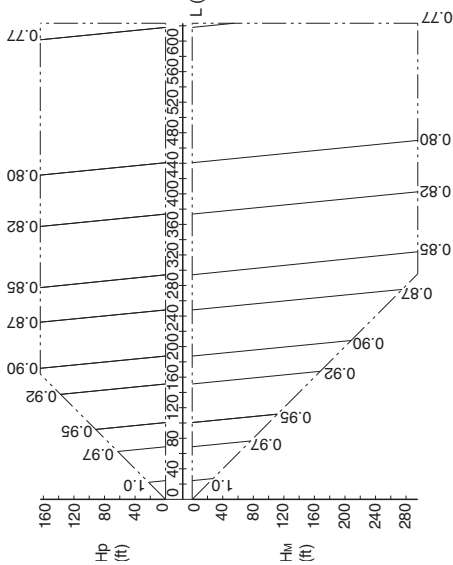


In the above case(Cooling)
Overall equivalent length=200ft×0.5+100ft=200ft

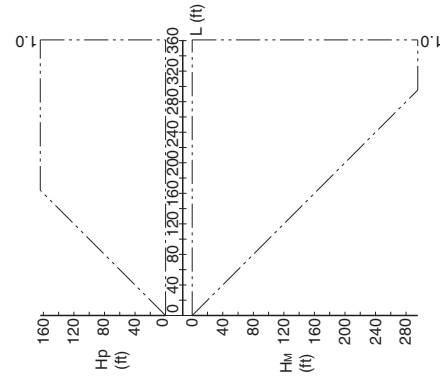
The correction factor in capacity when Hp=0ft is thus approximately 0.88.

REYQ216PYDNR

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 : Capacity correction factor

[Diameter of pipe (standard size)]

Model	liquid
REYQ216PYDNR	φ 5/8
REYQ216PTJUR	

[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

When overall equivalent pipe length is 295.0ft or more, the diameter of the main 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	liquid
REYQ216PYDNR	φ 3/4
REYQ216PTJUR	

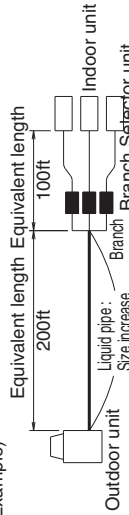
5. When the main sections of the interunit liquid pipe diameters are increased the overall equivalent length should be calculated as follows. (Heating only)

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

[Choose a correction factor from the following table]

Model	Correction factor
REYQ216PYDNR	0.4
REYQ216PTJUR	

(Example)



In the above case (Heating)

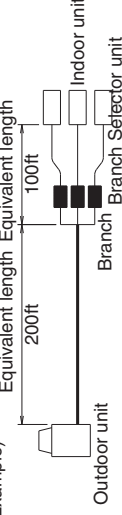
Overall equivalent length = 200ft × 0.4 + 100ft = 180ft

The correction factor in capacity when Hp = 0ft is thus approximately 1.0.

6. In the combination which does not include cooling only indoor unit, Calculate the equivalent length pipe by the following when you calculate cooling capacity.

Overall equivalent length = Equivalent length to main pipe × 0.5 + Equivalent length after branching

(Example)



In the above case (Cooling)

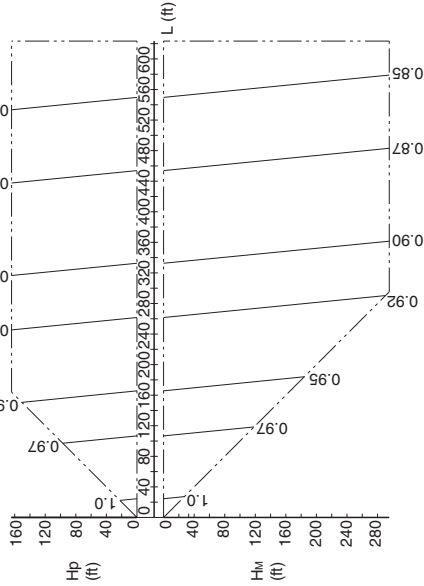
Overall equivalent length = 200ft × 0.5 + 100ft = 200ft

The correction factor in capacity when Hp = 0m is thus approximately 0.86.

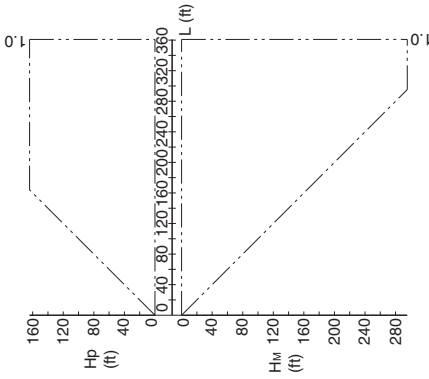
3D058626

REYQ240PYDNR

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 : Capacity correction factor

[Diameter of pipe (standard size)]

Model	liquid
REYQ240PYDNR	φ 5/8
REYQ240PTJUR	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%.
 [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]

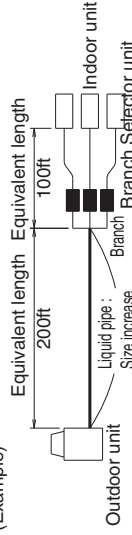
- When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit-branch sections) must be increased.
 When level difference is 164.0ft or more, the diameter of the main liquid pipe (outdoor unit-branch sections) must be increased.
 [Diameter of above case]

Model	liquid
REYQ240PYDNR	φ 3/4
REYQ240PTJUR	φ 3/4

- When the main sections of the interunit liquid pipe diameters are increased the overall equivalent length should be calculated as follows. (Heating only)

Overall equivalent length = Equivalent length to main pipe x 0.4 + Equivalent length after branching

(Example)



In the above case (Heating)

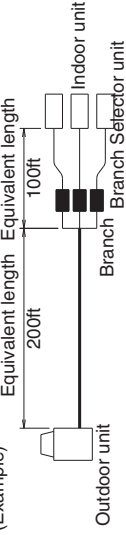
Overall equivalent length = 200ft x 0.4 + 100ft = 180ft

The correction factor in capacity when Hp = 0ft is thus approximately 1.0.

- In the combination which does not include cooling only indoor unit, Calculate the equivalent length pipe by the following when you calculate cooling capacity.

Overall equivalent length = Equivalent length to main pipe x 0.5 + Equivalent length after branching

(Example)



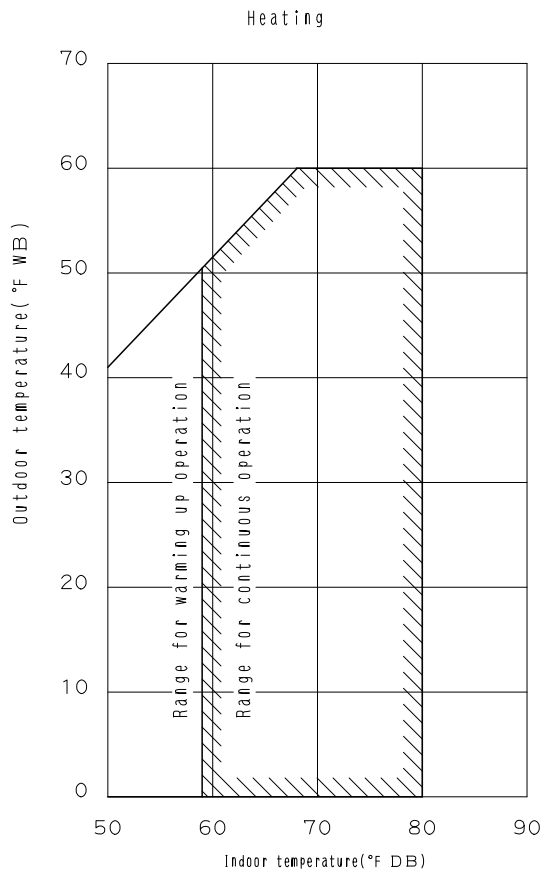
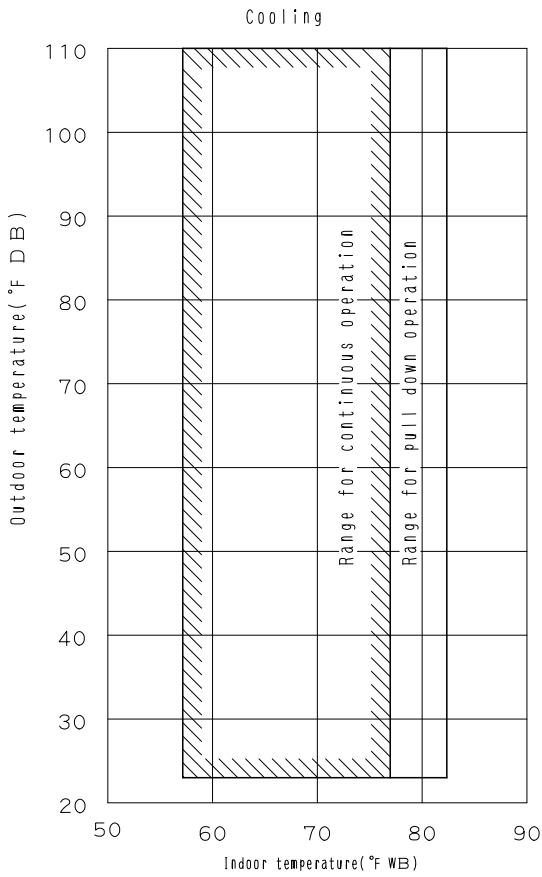
In the above case (Cooling)

Overall equivalent length = 200ft x 0.5 + 100ft = 200ft

The correction factor in capacity when Hp = 0ft is thus approximately 0.91.

10. Operation Limits

REYQ72, 96, 120, 144, 168, 192PAYD / 216~240PYDNR

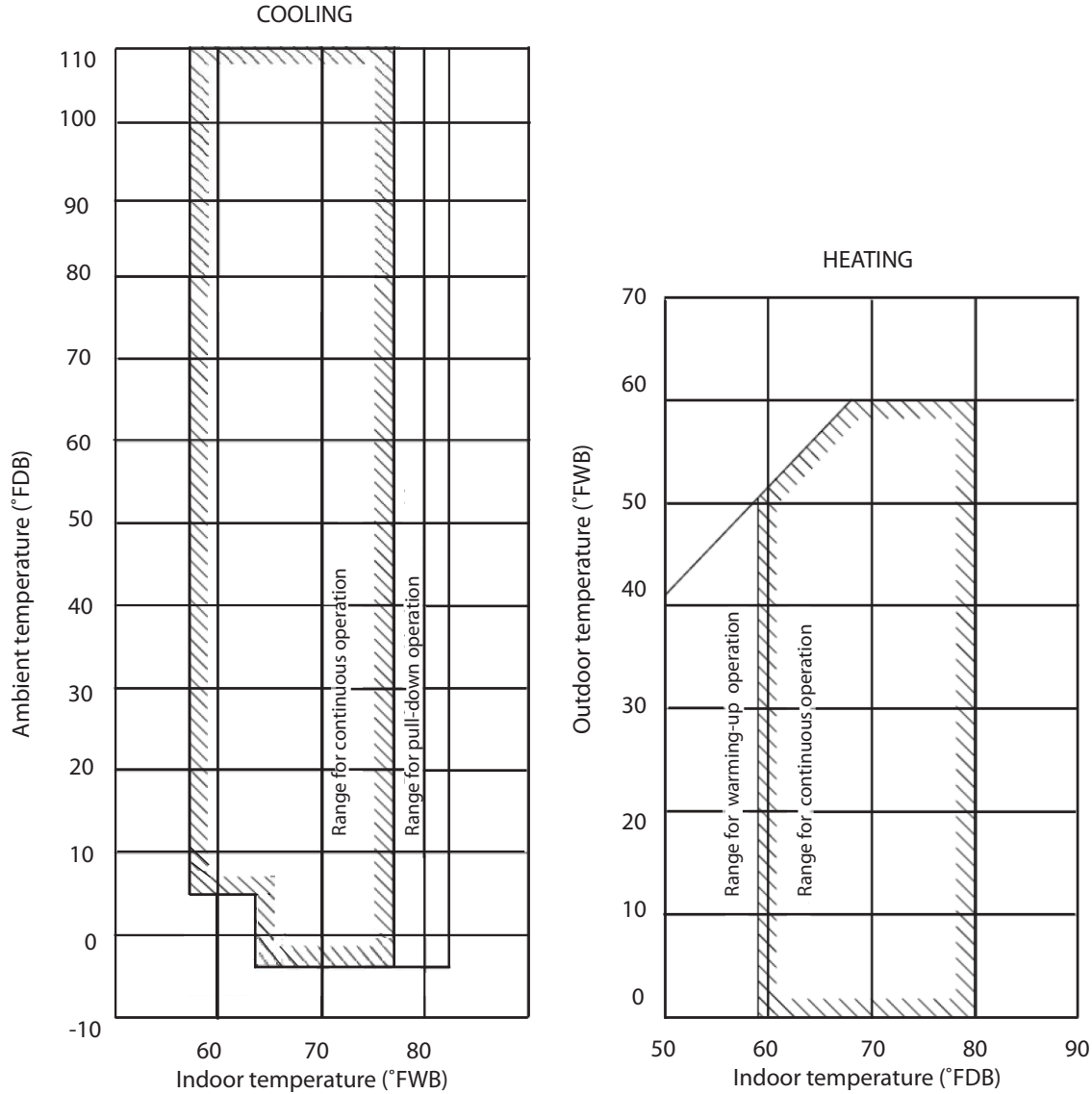


Note: These figures assume the following operating conditions:
 Indoor and outdoor units:
 Equivalent pipe length: 25ft
 Level difference: 0

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11. Low Ambient Cooling Enhancement

- The VRV III PA/PR product will include a new feature for Low Ambient Cooling
- The function enhances VRV III PA/PR Heat Recovery systems as follows:
 - Allows Operation to -4°F (-20°C) in Cooling Mode Normal limit is 23°F (-5°C)
 - Operation below 23°F (-5°C) ambient temperature requires the addition of wind covers onto the condensing unit.*



Application Rules:

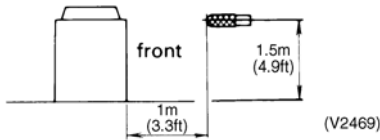
- Indoor Units assigned for low ambient cooling CANNOT exceed 50% of the Nominal Rating of the Condensing Unit
- Total Connection index of each system is limited to 60 –130%
- Function is engaged by a field setting on the condensing unit (to enable Low Ambient Cooling) and a dip switch setting is necessary on the BSVQ units serving Indoor Units NOT subject to Low Ambient Cooling Requirements
- During operation below 23°F (-5°C), the available cooling capacity decreases as follows: -
 - 14°F (-10°C) - Reduces to 80% of Nominal
 - 5°F (-15°C) - Reduces to 65% of Nominal
 - 4°F (-20°C) - Reduces to 60% of Nominal
- During operation the operating Sound Level of the BSVQ unit can increase (Max + 3dB(A)) thus it is encouraged to locate units away from sound sensitive zones.
- The vertical separation of Outdoor to Indoor unit (when Outdoor below) is limited to 164ft (normal = 295ft)
- * **Contact your local Daikin representative for wind cover specification requirements.**

12. Sound Levels

Overall

Model	Power Supply	60Hz/460V
REYQ72PAYD		58
REYQ96PAYD		58
REYQ120PAYD		60
REYQ144PAYD		60
REYQ168PAYD		61
REYQ192PAYD		62
REYQ216PYDNR		62
REYQ240PYDNR		63

dBA



Note:

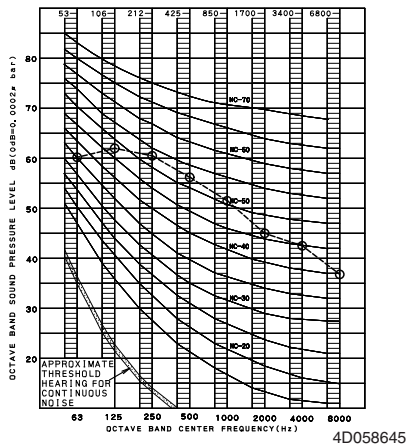
Sound level:

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

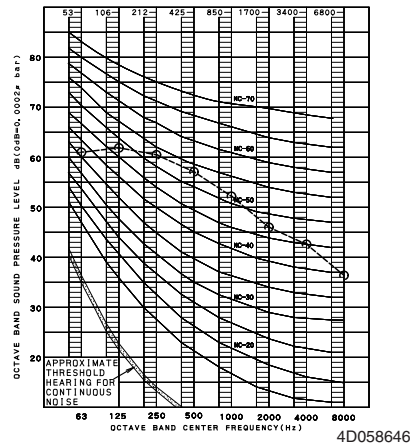
During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Octave Band Level

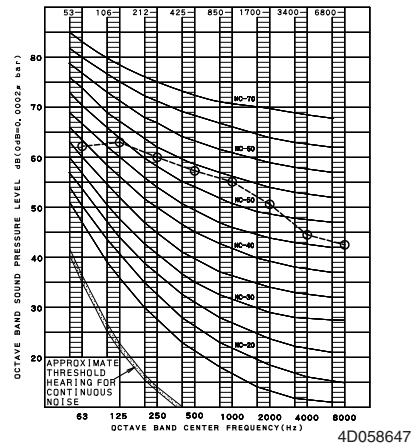
REYQ72PAYD



REYQ96PAYD








REYQ120PAYD




















13. Accessories

Standard Accessories





REYQ72, 96, 120PAYD



Name	Clamp (1)	Clamp (2)	Vinyl tube	Conduit mounting plate		Manuals, etc.
Quantity	9 pcs.	3 pcs.	4 pcs.	2 pcs.	2 pcs.	1 pc. about each item
Shape						<ul style="list-style-type: none"> ■ Operation manual ■ Installation manual ■ "REQUEST FOR THE INDICATON" label (Installation records) ■ Additional Refrigerant Charge Label










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





Name		HP / LP gas side accessory pipe (1)			HP / LP gas side accessory pipe (2)			L type accessory joint (1)	L type accessory joint (2)	accessory joint (2)	
Quantity	72PA type	1 pc.						1 pc.	1 pc.	1 pc.	
	96PA type			1 pc.						1 pc.	
	120PA type			1 pc.						1 pc.	
Shape											
		φ5/8	φ3/4	φ7/8	φ5/8	φ3/4	φ7/8	φ1	φ3/4		

REMQ72, 96PAYD / 120PYDNR

Name	Clamp (1)	Clamp (2)	Clamp (3)	Vinyl tube
Quantity	8 pcs.	2 pcs.	1 pc.	4 pcs.
Shape	 (Small)		 (Large)	

Name	Conduit mounting plate		Manuals, etc.
Quantity	2 pcs.	2 pcs.	1 pc. about each item
Shape			<ul style="list-style-type: none"> ■ Operation manual ■ Installation manual ■ "REQUEST FOR THE INDICATON" label (Installation records) ■ Additional Refrigerant Charge Label

Name		Liquid side accessory pipe (1)	Liquid side accessory pipe (2)	Suction gas side accessory pipe (1)		Suction gas side accessory pipe (2)		HP / LP gas side accessory pipe (1)		HP / LP gas side accessory pipe (2)
Quantity	72-96P A type	1 pc.	1 pc.	1 pc.	/	1 pc.	/	2 pcs.	/	/
	120PR type			/	1 pc.	/	1 pc.	2 pcs.	/	/
Shape				 φ7/8	 φ1-1/8	 φ7/8	 φ1-1/8	 φ3/4	 φ7/8	 φ7/8

Name		Equalizer side accessory pipe (1)	Equalizer side accessory pipe (2)	L type accessory joint (1)	L type accessory joint (2)
Quantity	72-96PA type	1 pc.	/	1 pc.	2 pcs.
	120PR type		/		
Shape			 φ3/4	 φ1	 φ3/4

Optional Accessories (For Unit)

REYQ72~192PAYD / 216~240PYDNR

Series			VRV III				
Optional accessories			Models	REYQ72PAYD	REYQ96PAYD REYQ120PAYD	REYQ144PAYD REYQ168PAYD REYQ192PAYD	REYQ216PYDNR REYQ240PYDNR
			Distributive piping	Refnet header	Model	KHRP25M33H (Max. 8 branch)	KHRP25M33H (Max. 8 branch) KHRP25M72H (Max. 8 branch)
AS No.	—	—			—		
Z No.	—	—			—		
Refnet joint	Model	KHRP25A22T KHRP25A33T		KHRP25A22T KHRP25A33T KHRP25M72TU	KHRP25A22T KHRP25A33T 7KHRP25M72TU KHRP25M73TU		
	AS No.	—		AS3803118 (KHRP25M72TU)	AS3803566 (KHRP25M73TU)		
	Z No.	—		—	—		
Outdoor unit multi connection piping kit	Model	—	BHFP26P90U		—		
	AS No.	—	—		—		
	Z No.	—	—		—		

C: 3D059681B



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- 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



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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