



EDUS371704A-R1

**R-410A**

# Engineering Data

# VRV IV

## REYQ-TAYDU

3 phase

460 V, 60 Hz



# REYQ-TAYDU

## Heat Recovery

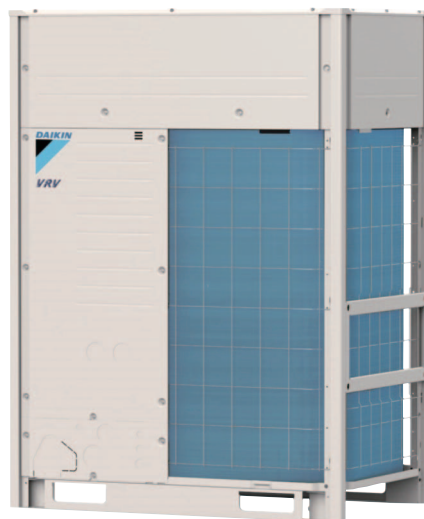
### 3 phase

### 460 V, 60 Hz

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# 1. Features and Benefits

- Available in large capacity single modules up to 14 tons and systems up to 38 tons allow for a more flexible system design
- Can operate up to 64 indoor units on a single piping network\*
- Integrated inverter technology delivers maximum efficiency during part load conditions and provide precise individual zone control
- Inverter compressors to increase the efficiency and avoid starting current inrush
- Year round comfort and energy savings delivered by combining *VRV* and Variable Refrigerant Temperature (VRT) technologies
- Modular and lightweight which enables flexibility in system layout and installation
- Design flexibility with long piping lengths up to 3,280 ft. total and 100 ft. vertical separation between indoor units
- Large capacity single module units reduce electrical and piping connections
- Compatible with Daikin DVS series of Dedicated Outdoor Air Systems (DOAS)
- Dependable operation in extreme ambient conditions down to  $-13^{\circ}\text{F}$  in heating and up to  $122^{\circ}\text{F}$  in cooling
- Refrigerant cooled inverted technology to avoid influence from ambient temperatures
- Corrosion resistant 1000hr salt spray tested Daikin PE blue fin heat exchanger
- Heat exchanger coil wraps around on all 4 sides of the unit to increase the surface area / efficiency
- Ships factory standard with coil guards
- Digital display on the unit for improved and faster configuration, commissioning, maintenance and troubleshooting of the system
- Assembled in the US to increase flexibility and reduce lead times
- Outstanding 10 years limited parts warranty\*\* as standard



\*- Varies based on model

\*\* - Complete warranty details available from your local distributor or manufacturer's representation or at [www.daikincomfort.com](http://www.daikincomfort.com)

## 2. Specifications

Model Name			REYQ72TAYDU	REYQ96TAYDU
Power Supply			3 phase, 460 V, 60 Hz	3 phase, 460 V, 60 Hz
★1 Cooling Capacity	Nominal	Btu/h (kW)	72,000 (21.1)	96,000 (28.1)
	Rated		69,000 (20.2)	92,000 (27.0)
★2 Heating Capacity	Nominal	Btu/h (kW)	81,000 (23.7)	108,000 (31.7)
	Rated		75,000 (22.0)	100,000 (29.3)
Casing Color			Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 36-11/16 × 30-3/16 (1,694 × 932 × 767)	66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Compressor	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Displacement	m <sup>3</sup> /h	14.8	9.6 + 9.6
	Number of Revolutions	r/min	4,644	4,536 + 4,536
	Motor Output × Number of Units	kW	4.8 × 1	(2.8 + 2.8) × 1
	Starting Method		Soft Start	Soft Start
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.5 × 1	0.6 × 2
	Airflow Rate	cfm (m <sup>3</sup> /min)	5,544 (157)	5,827 (165)
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	in. (mm)	φ3/8 (9.5) C1220T (Brazing Connection)	φ3/8 (9.5) C1220T (Brazing Connection)
	Suction Gas Pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing Connection)	φ7/8 (22.2) C1220T (Brazing Connection)
	High/Low Pressure Gas Pipe	in. (mm)	φ5/8 (15.9) C1220T (Brazing Connection)	φ3/4 (19.1) C1220T (Brazing Connection)
Weight		lbs (kg)	527 (239)	717 (325)
Sound Pressure Level (Reference Data)		dB(A)	58	61
Sound Power Level (Reference Data)		dB	79	81
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		%	15-100	11-100
Refrigerant	Refrigerant Name		R410A	R410A
	Charge	lbs (kg)	21.9 (9.9)	25.8 (11.7)
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.	Specification		C: 4D091591C	C: 4D091592D
	Sound Level		C: 4D093380A	C: 4D093379A

### Notes:

- ★1 Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).
- ★2 Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).

Model Name			REYQ120TAYDU	REYQ144TAYDU
Power Supply			3 phase, 460 V, 60 Hz	3 phase, 460 V, 60 Hz
★1 Cooling Capacity	Nominal	Btu/h	120,000 (35.2)	144,000 (42.2)
	Rated	(kW)	114,000 (33.4)	138,000 (40.4)
★2 Heating Capacity	Nominal	Btu/h	135,000 (39.6)	162,000 (47.5)
	Rated	(kW)	126,000 (36.9)	150,000 (44.0)
Casing Color			Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
Dimensions: (H x W x D)		in. (mm)	66-11/16 x 48-7/8 x 30-3/16 (1,694 x 1,242 x 767)	66-11/16 x 48-7/8 x 30-3/16 (1,694 x 1,242 x 767)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Compressor	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Displacement	m <sup>3</sup> /h	12.4 + 12.4	11.9 + 17.9
	Number of Revolutions	r/min	5,838 + 5,838	5,622 + 5,622
	Motor Output x Number of Units	kW	(3.6 + 3.6) x 1	(3.4 + 5.9) x 1
	Starting Method		Soft Start	Soft Start
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.6 x 2	0.6 x 2
	Airflow Rate	cfm (m <sup>3</sup> /min)	6,286 (178)	8,228 (233)
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	in. (mm)	φ1/2 (12.7) C1220T (Brazing Connection)	φ1/2 (12.7) C1220T (Brazing Connection)
	Suction Gas Pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing Connection)	φ1-1/8 (28.6) C1220T (Brazing Connection)
	High/Low Pressure Gas Pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing Connection)	φ7/8 (22.2) C1220T (Brazing Connection)
Weight		lbs (kg)	717 (325)	794 (360)
Sound Pressure Level (Reference Data)		dB(A)	61	65
Sound Power Level (Reference Data)		dB	81	86
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		%	10-100	10-100
Refrigerant	Refrigerant Name		R410A	R410A
	Charge	lbs (kg)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.	Specification		C: 4D091594D	C: 4D091596D
	Sound Level		C: 4D093379A	C: 4D093378A

**Notes:**

- ★1 Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).
- ★2 Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).

Model Name (Combination Unit)			REYQ168TAYDU	REYQ192TAYDU
Model Name (Independent Unit)			—	REYQ72TAYDU REYQ120TAYDU
Power Supply			3 phase, 460 V, 60 Hz	3 phase, 460 V, 60 Hz
★1 Cooling Capacity	Nominal	Btu/h (kW)	168,000 (49.2)	192,000 (56.3)
	Rated		160,000 (46.9)	184,000 (53.9)
★2 Heating Capacity	Nominal	Btu/h (kW)	188,000 (55.1)	216,000 (63.3)
	Rated		176,000 (51.6)	200,000 (58.6)
Casing Color			Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
Dimensions: (H x W x D)		in. (mm)	66-11/16 x 48-7/8 x 30-3/16 (1,694 x 1,242 x 767)	66-11/16 x 36-11/16 x 30-3/16 + 66-11/16 x 48-7/8 x 30-3/16 (1,694 x 932 x 767 + 1,694 x 1,242 x 767)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Compressor	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Displacement	m <sup>3</sup> /h	14.5 + 21.8	16.9 + (11.2 + 11.2)
	Number of Revolutions	r/min	6,834 + 6,834	5,292 + (5,292 + 5,292)
	Motor Output x Number of Units	kW	(4.2 + 7.1) x 1	5.5 x 1 + (3.2 + 3.2) x 1
	Starting Method		Soft Start	Soft Start
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.6 x 2	(0.5 x 1) + (0.6 x 2)
	Airflow Rate	cfm (m <sup>3</sup> /min)	8,228 (233)	5,544 + 6,286 (157 + 178)
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	in. (mm)	φ5/8 (15.9) C1220T (Brazing Connection)	φ5/8 (15.9) C1220T (Brazing Connection)
	Suction Gas Pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing Connection)	φ1-1/8 (28.6) C1220T (Brazing Connection)
	High/Low Pressure Gas Pipe	in. (mm)	φ7/8 (22.2) C1220T (Brazing Connection)	φ1-1/8 (28.6) C1220T (Brazing Connection)
Weight		lbs (kg)	794 (360)	527 + 717 (239 + 325)
Sound Pressure Level (Reference Data)		dB(A)	65	63
Sound Power Level (Reference Data)		dB	86	83
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		%	10-100	5-100
Refrigerant	Refrigerant Name		R410A	R410A
	Charge	lbs (kg)	25.8 (11.7)	21.9 + 25.8 (9.9 + 11.7)
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.	Specification		C: 4D091598D	C: 4D091600D
	Sound Level		C: 4D093378A	—

**Notes:**

- ★1 Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).
- ★2 Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).

Model Name (Combination Unit)			REYQ216TAYDU	REYQ240TAYDU
Model Name (Independent Unit)			REYQ96TAYDU REYQ120TAYDU	REYQ96TAYDU REYQ144TAYDU
Power Supply			3 phase, 460 V, 60 Hz	3 phase, 460 V, 60 Hz
★1 Cooling Capacity	Nominal	Btu/h (kW)	216,000 (63.3)	240,000 (70.3)
	Rated		206,000 (60.4)	228,000 (66.8)
★2 Heating Capacity	Nominal	Btu/h (kW)	243,000 (71.2)	270,000 (79.1)
	Rated		226,000 (66.2)	250,000 (73.3)
Casing Color			Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
Dimensions: (H x W x D)		in. (mm)	66-11/16 x 48-7/8 x 30-3/16 + 66-11/16 x 48-7/8 x 30-3/16 (1,694 x 1,242 x 767 + 1,694 x 1,242 x 767)	66-11/16 x 48-7/8 x 30-3/16 + 66-11/16 x 48-7/8 x 30-3/16 (1,694 x 1,242 x 767 + 1,694 x 1,242 x 767)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Compressor	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Displacement	m <sup>3</sup> /h	(11.0 + 11.0) x 2	(12.3 + 12.3) x 1 + (12.3 + 18.5) x 1
	Number of Revolutions	r/min	(5,178 + 5,178) x 2	(5,814 + 5,814) x 2
	Motor Output x Number of Units	kW	(3.2 + 3.2) x 2	(3.6 + 3.6) x 1 + (3.6 + 6.1) x 1
	Starting Method		Soft Start	Soft Start
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	(0.6 x 2) + (0.6 x 2)	(0.6 x 2) + (0.6 x 2)
	Airflow Rate	cfm (m <sup>3</sup> /min)	5,827 + 6,286 (165 + 178)	5,827 + 8,228 (165 + 233)
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	in. (mm)	φ5/8 (15.9) C1220T (Brazing Connection)	φ5/8 (15.9) C1220T (Brazing Connection)
	Suction Gas Pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing Connection)	φ1-3/8 (34.9) C1220T (Brazing Connection)
	High/Low Pressure Gas Pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing Connection)	φ1-1/8 (28.6) C1220T (Brazing Connection)
Weight		lbs (kg)	717 + 717 (325 + 325)	717 + 794 (325 + 360)
Sound Pressure Level (Reference Data)		dB(A)	64	66
Sound Power Level (Reference Data)		dB	84	87
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		%	5-100	5-100
Refrigerant	Refrigerant Name		R410A	R410A
	Charge	lbs (kg)	25.8 + 25.8 (11.7 + 11.7)	25.8 + 25.8 (11.7 + 11.7)
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.	Specification		C: 4D091602D	C: 4D091604D
	Sound Level		—	—

**Notes:**

- ★1 Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).
- ★2 Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).



Model Name (Combination Unit)			REYQ264TAYDU	REYQ288TAYDU
Model Name (Independent Unit)			REYQ120TAYDU REYQ144TAYDU	REYQ144TAYDU REYQ144TAYDU
Power Supply			3 phase, 460 V, 60 Hz	3 phase, 460 V, 60 Hz
★1 Cooling Capacity	Nominal	Btu/h (kW)	264,000 (77.4)	288,000 (84.4)
	Rated		252,000 (73.8)	274,000 (80.3)
★2 Heating Capacity	Nominal	Btu/h (kW)	297,000 (87.0)	324,000 (95.0)
	Rated		274,000 (80.2)	288,000 (84.4)
Casing Color			Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767 + 1,694 × 1,242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767 + 1,694 × 1,242 × 767)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Compressor	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Displacement	m <sup>3</sup> /h	(12.2 + 12.2) × 1 + (12.2 + 18.3) × 1	(11.5 + 17.3) × 2
	Number of Revolutions	r/min	(5,742 + 5,742) × 2	(5,436 + 5,436) × 2
	Motor Output × Number of Units	kW	(3.5 + 3.5) × 1 + (3.5 + 6.0) × 1	(3.3 + 5.7) × 2
	Starting Method		Soft Start	Soft Start
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	(0.6 × 2) + (0.6 × 2)	(0.6 × 2) + (0.6 × 2)
	Airflow Rate	cfm (m <sup>3</sup> /min)	6,286 + 8,228 (178 + 233)	8,228 + 8,228 (233 + 233)
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing Connection)	φ3/4 (19.1) C1220T (Brazing Connection)
	Suction Gas Pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazing Connection)	φ1-3/8 (34.9) C1220T (Brazing Connection)
	High/Low Pressure Gas Pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing Connection)	φ1-1/8 (28.6) C1220T (Brazing Connection)
Weight		lbs (kg)	717 + 794 (325 + 360)	794 + 794 (360 + 360)
Sound Pressure Level (Reference Data)		dB(A)	66	68
Sound Power Level (Reference Data)		dB	87	89
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		%	5-100	5-100
Refrigerant	Refrigerant Name		R410A	R410A
	Charge	lbs (kg)	25.8 + 25.8 (11.7 + 11.7)	25.8 + 25.8 (11.7 + 11.7)
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.	Specification		C: 4D091606D	C: 4D107040A
	Sound Level		—	—

**Notes:**

- ★1 Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).
- ★2 Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).

Model Name (Combination Unit)			REYQ312TAYDU	REYQ336TAYDU
Model Name (Independent Unit)			REYQ144TAYDU REYQ168TAYDU	REYQ168TAYDU REYQ168TAYDU
Power Supply			3 phase, 460 V, 60 Hz	3 phase, 460 V, 60 Hz
★1 Cooling Capacity	Nominal	Btu/h (kW)	312,000 (91.4)	336,000 (98.5)
	Rated		296,000 (86.7)	320,000 (93.8)
★2 Heating Capacity	Nominal	Btu/h (kW)	351,000 (102.9)	378,000 (110.8)
	Rated		306,000 (89.7)	316,000 (92.6)
Casing Color			Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767 + 1,694 × 1,242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767 + 1,694 × 1,242 × 767)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Compressor	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Displacement	m <sup>3</sup> /h	(12.3 + 18.4) × 2	(12.7 + 19.1) × 2
	Number of Revolutions	r/min	(5,790 + 5,790) × 2	(5,982 + 5,982) × 2
	Motor Output × Number of Units	kW	(3.5 + 6.0) × 2	(3.7 + 6.2) × 2
	Starting Method		Soft Start	Soft Start
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	(0.6 × 2) + (0.6 × 2)	(0.6 × 2) + (0.6 × 2)
	Airflow Rate	cfm (m <sup>3</sup> /min)	8,228 + 8,228 (233 + 233)	8,228 + 8,228 (233 + 233)
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing Connection)	φ3/4 (19.1) C1220T (Brazing Connection)
	Suction Gas Pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazing Connection)	φ1-3/8 (34.9) C1220T (Brazing Connection)
	High/Low Pressure Gas Pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing Connection)	φ1-1/8 (28.6) C1220T (Brazing Connection)
Weight		lbs (kg)	794 + 794 (360 + 360)	794 + 794 (360 + 360)
Sound Pressure Level (Reference Data)		dB(A)	68	68
Sound Power Level (Reference Data)		dB	89	89
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		%	5-100	5-100
Refrigerant	Refrigerant Name		R410A	R410A
	Charge	lbs (kg)	25.8 + 25.8 (11.7 + 11.7)	25.8 + 25.8 (11.7 + 11.7)
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.	Specification		C: 4D107041A	C: 4D107042A
	Sound Level		—	—

**Notes:**

- ★1 Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).
- ★2 Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).

Model Name (Combination Unit)			REYQ360TAYDU	REYQ384TAYDU
Model Name (Independent Unit)			REYQ120TAYDU REYQ120TAYDU REYQ120TAYDU	REYQ96TAYDU REYQ120TAYDU REYQ168TAYDU
Power Supply			3 phase, 460 V, 60 Hz	3 phase, 460 V, 60 Hz
★1 Cooling Capacity	Nominal	Btu/h	360,000 (105.5)	384,000 (112.5)
	Rated	(kW)	342,000 (100.2)	364,000 (106.7)
★2 Heating Capacity	Nominal	Btu/h	405,000 (118.7)	432,000 (126.6)
	Rated	(kW)	376,000 (110.2)	386,000 (113.1)
Casing Color			Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767 + 1,694 × 1,242 × 767 + 1,694 × 1,242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767 + 1,694 × 1,242 × 767 + 1,694 × 1,242 × 767)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Compressor	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Displacement	m <sup>3</sup> /h	(12.4 + 12.4) × 3	(11.9 + 11.9) × 2 + (11.9 + 17.8) × 1
	Number of Revolutions	r/min	(5,874 + 5,874) × 3	(5,598 + 5,598) × 3
	Motor Output × Number of Units	kW	(3.6 + 3.6) × 3	(3.4 + 3.4) × 2 + (3.4 + 5.8) × 1
	Starting Method		Soft Start	Soft Start
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	(0.6 × 2) + (0.6 × 2) + (0.6 × 2)	(0.6 × 2) + (0.6 × 2) + (0.6 × 2)
	Airflow Rate	cfm (m <sup>3</sup> /min)	6,286 + 6,286 + 6,286 (178 + 178 + 178)	5,827 + 6,286 + 8,228 (165 + 178 + 233)
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing Connection)	φ3/4 (19.1) C1220T (Brazing Connection)
	Suction Gas Pipe	in. (mm)	φ1-5/8 (41.3) C1220T (Brazing Connection)	φ1-5/8 (41.3) C1220T (Brazing Connection)
	High/Low Pressure Gas Pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazing Connection)	φ1-3/8 (34.9) C1220T (Brazing Connection)
Weight		lbs (kg)	717 + 717 + 717 (325 + 325 + 325)	717 + 717 + 794 (325 + 325 + 360)
Sound Pressure Level (Reference Data)		dB(A)	66	68
Sound Power Level (Reference Data)		dB	86	88
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		%	3-100	3-100
Refrigerant	Refrigerant Name		R410A	R410A
	Charge	lbs (kg)	25.8 + 25.8 + 25.8 (11.7 + 11.7 + 11.7)	25.8 + 25.8 + 25.8 (11.7 + 11.7 + 11.7)
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.	Specification		C: 4D091614D	C: 4D107043B
	Sound Level		—	—

**Notes:**

- ★1 Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).
- ★2 Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).

Model Name (Combination Unit)			REYQ408TAYDU	REYQ432TAYDU
Model Name (Independent Unit)			REYQ96TAYDU REYQ144TAYDU REYQ168TAYDU	REYQ144TAYDU REYQ144TAYDU REYQ144TAYDU
Power Supply			3 phase, 460 V, 60 Hz	3 phase, 460 V, 60 Hz
★1 Cooling Capacity	Nominal	Btu/h	408,000 (119.6)	432,000 (126.6)
	Rated	(kW)	388,000 (113.7)	410,000 (120.1)
★2 Heating Capacity	Nominal	Btu/h	459,000 (134.5)	486,000 (142.4)
	Rated	(kW)	394,000 (115.4)	404,000 (118.4)
Casing Color			Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767 + 1,694 × 1,242 × 767 + 1,694 × 1,242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767 + 1,694 × 1,242 × 767 + 1,694 × 1,242 × 767)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Compressor	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Displacement	m <sup>3</sup> /h	(11.2 + 11.2) × 1 + (11.2 + 16.8) × 2	(11.3 + 16.9) × 3
	Number of Revolutions	r/min	(5,280 + 5,280) × 3	(5,316 + 5,316) × 3
	Motor Output × Number of Units	kW	(3.2 + 3.2) × 1 + (3.2 + 5.5) × 2	(3.2 + 5.5) × 3
	Starting Method		Soft Start	Soft Start
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	(0.6 × 2) + (0.6 × 2) + (0.6 × 2)	(0.6 × 2) + (0.6 × 2) + (0.6 × 2)
	Airflow Rate	cfm (m <sup>3</sup> /min)	5,827 + 8,228 + 8,228 (165 + 233 + 233)	8,228 + 8,228 + 8,228 (233 + 233 + 233)
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing Connection)	φ3/4 (19.1) C1220T (Brazing Connection)
	Suction Gas Pipe	in. (mm)	φ1-5/8 (41.3) C1220T (Brazing Connection)	φ1-5/8 (41.3) C1220T (Brazing Connection)
	High/Low Pressure Gas Pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazing Connection)	φ1-3/8 (34.9) C1220T (Brazing Connection)
Weight		lbs (kg)	717 + 794 + 794 (325 + 360 + 360)	794 + 794 + 794 (360 + 360 + 360)
Sound Pressure Level (Reference Data)		dB(A)	69	70
Sound Power Level (Reference Data)		dB	90	91
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		%	3-100	3-100
Refrigerant	Refrigerant Name		R410A	R410A
	Charge	lbs (kg)	25.8 + 25.8 + 25.8 (11.7 + 11.7 + 11.7)	25.8 + 25.8 + 25.8 (11.7 + 11.7 + 11.7)
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.	Specification		C: 4D107044A	C: 4D107045C
	Sound Level		—	—

**Notes:**

- ★1 Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).
- ★2 Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).

<b>Model Name (Combination Unit)</b>			<b>REYQ456TAYDU</b>
<b>Model Name (Independent Unit)</b>			<b>REYQ144TAYDU REYQ144TAYDU REYQ168TAYDU</b>
Power Supply			3 phase, 460 V, 60 Hz
★1 Cooling Capacity	Nominal	Btu/h	453,000 (132.8)
	Rated	(kW)	430,000 (126.0)
★2 Heating Capacity	Nominal	Btu/h	513,000 (150.3)
	Rated	(kW)	414,000 (121.3)
Casing Color			Ivory White (5Y7.5/1)
Dimensions: (H x W x D)		in. (mm)	66-11/16 x 48-7/8 x 30-3/16 + 66-11/16 x 48-7/8 x 30-3/16 + 66-11/16 x 48-7/8 x 30-3/16 (1,694 x 1,242 x 767 + 1,694 x 1,242 x 767 + 1,694 x 1,242 x 767)
Heat Exchanger			Cross Fin Coil
Compressor	Type		Hermetically Sealed Scroll Type
	Displacement	m <sup>3</sup> /h	(12.3 + 18.5) x 3
	Number of Revolutions	r/min	(5,814 + 5,814) x 3
	Motor Output x Number of Units	kW	(3.6 + 6.1) x 3
	Starting Method		Soft Start
Fan	Type		Propeller Fan
	Motor Output	kW	(0.6 x 2) + (0.6 x 2) + (0.6 x 2)
	Airflow Rate	cfm (m <sup>3</sup> /min)	8,228 + 8,228 + 8,228 (233 + 233 + 233)
	Drive		Direct Drive
Connecting Pipes	Liquid Pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing Connection)
	Suction Gas Pipe	in. (mm)	φ1-5/8 (41.3) C1220T (Brazing Connection)
	High/Low Pressure Gas Pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazing Connection)
Weight		lbs (kg)	794 + 794 + 794 (360 + 360 + 360)
Sound Pressure Level (Reference Data)		dB(A)	70
Sound Power Level (Reference Data)		dB	91
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Overcurrent Relay, Inverter Overload Protector
Defrost Method			Deicer
Capacity Control		%	3-100
Refrigerant	Refrigerant Name		R410A
	Charge	lbs (kg)	25.8 + 25.8 + 25.8 (11.7 + 11.7 + 11.7)
	Control		Electronic Expansion Valve
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.	Specification		C: 4D107046C
	Sound Level		—

**Notes:**

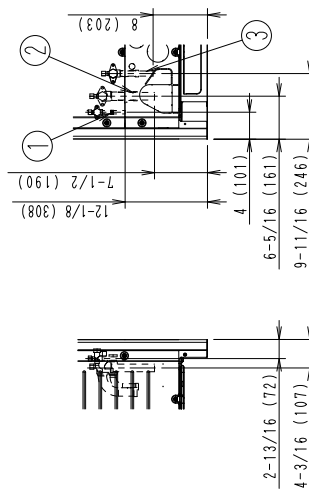
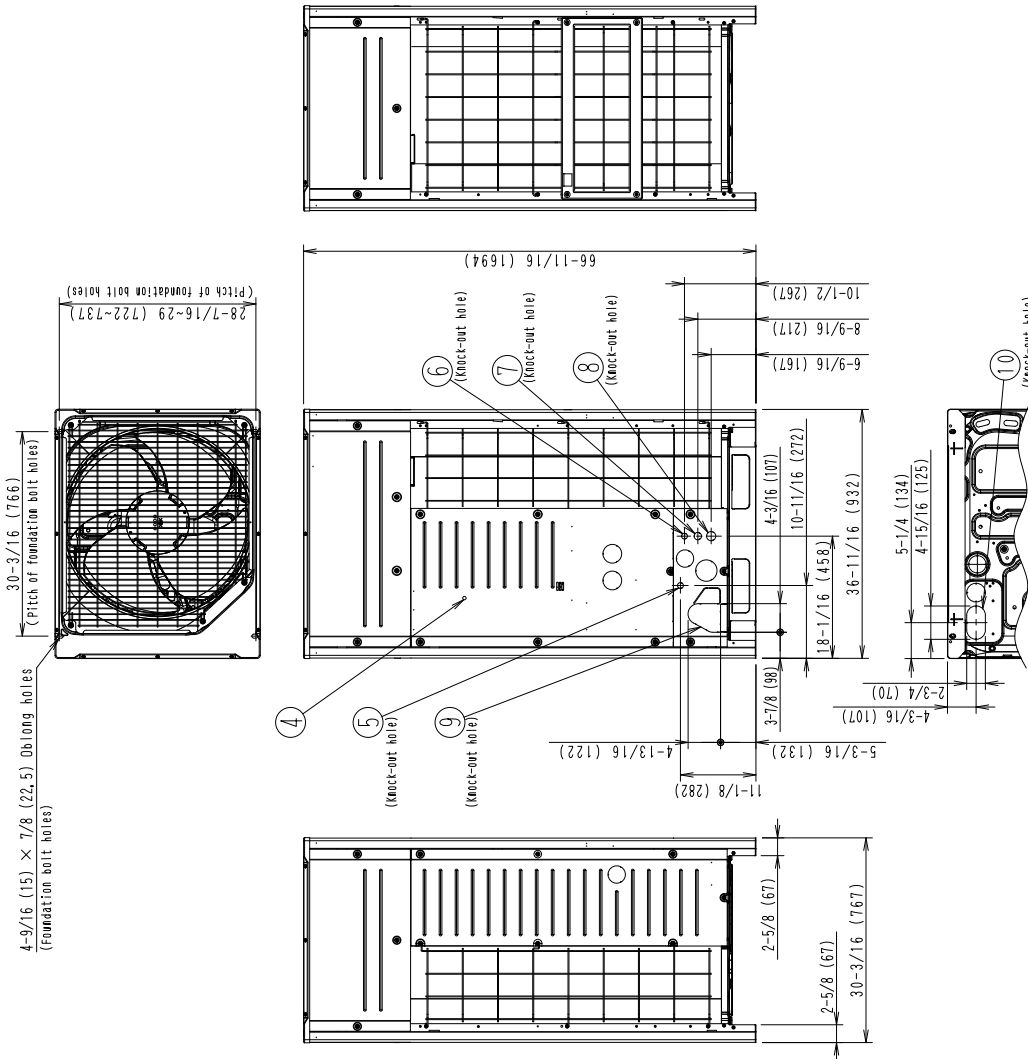
- ★1 Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).
- ★2 Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft. (7.6 m), level difference: 0 ft. (0 m).

### 3. Dimensions

#### REYQ72TAYDU

Unit : in. (mm)

- Notes)  
 1. For piping connection method (front and bottom sides), see the installation manual.  
 2. Suction gas pipe  
 φ 1 Brazing connection  
 Liquid pipe  
 φ 3/8 Brazing connection  
 High / low pressure gas pipe  
 φ 3/4 Brazing connection

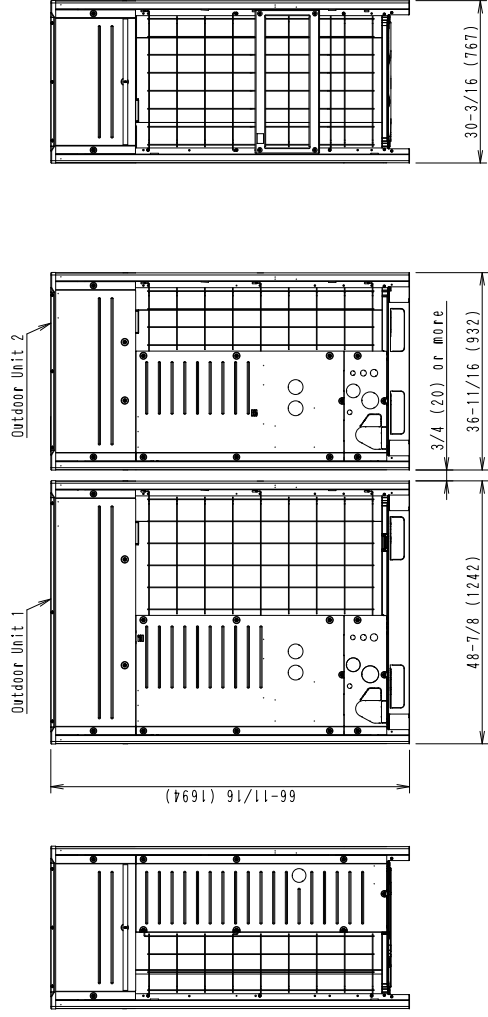
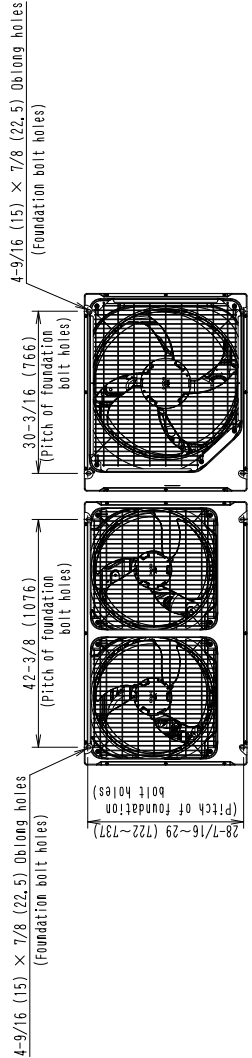
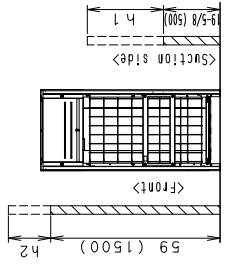
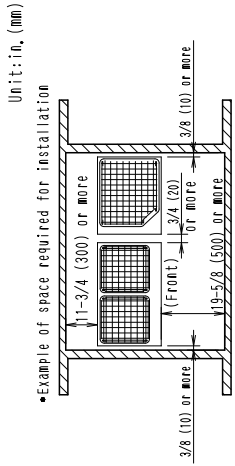


10	Pipe routing hole(bottom)	See note 1.
9	Pipe routing hole(front)	See note 1.
8	Power cord routing hole	φ 1-3/8 (35)
7	Power cord routing hole	φ 1-1/8 (28.6)
6	Power cord routing hole	φ 7/8 (22.2)
5	Transmission wire routing hole	φ 7/8 (22.2)
4	Grounding terminal	Inside of control box. (M8)
3	High / 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

3D090838C



REYQ192TAYDU



Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
REYQ192TAYDU	REYQ120TAYDU	3D090839	REYQ72TAYDU	3D090838

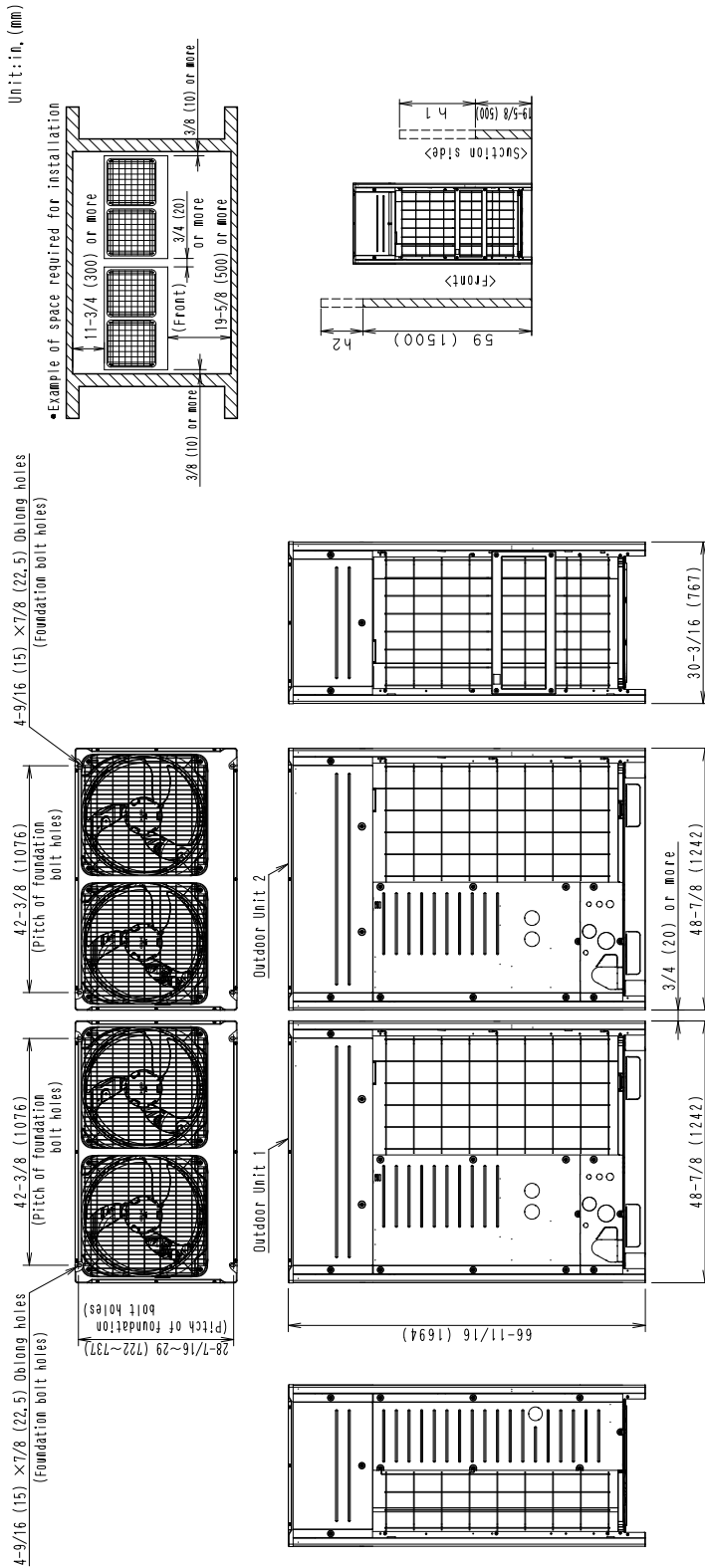
Notes :

- Heights of walls of this example;  
Front : 59 in. (1500 mm)  
Suction side : 19-5/8 in. (500 mm)  
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°FDB (35°CDB).  
The installation space of suction side shown above must be expanded in the following case.
  - Design outdoor temperature becomes over 95°FDB (35°CDB).
  - 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 h/2 and h/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 "Installation and repair space drawing" 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 shown in "Installation and repair space drawing", your layout should take account of the possibility of short circuiting.)
- 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:3D091215D



REYQ216-336TAYDU

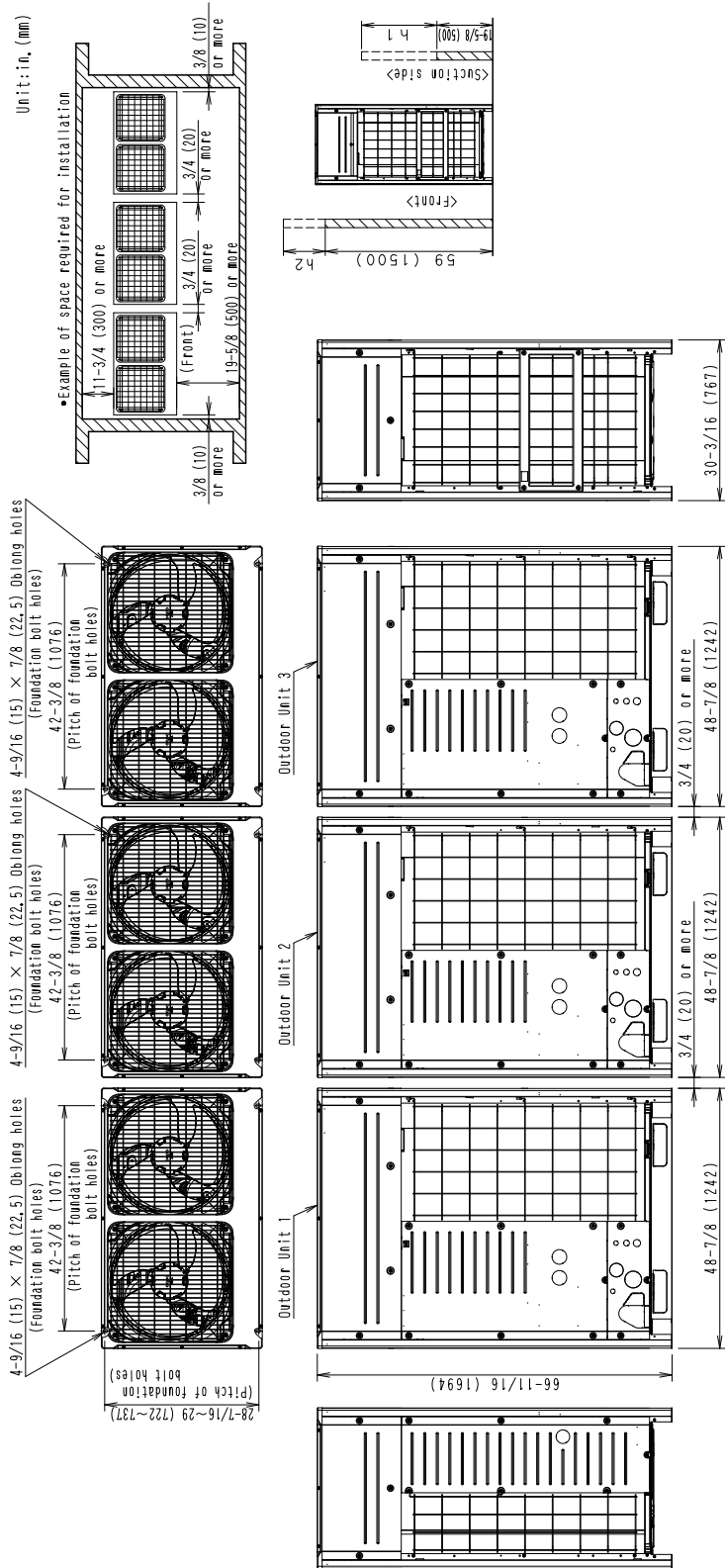


Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
REYQ216TAYDU	REYQ120TAYDU	3D090839	REYQ96TAYDU	3D090839
REYQ240TAYDU	REYQ144TAYDU	3D090839	REYQ96TAYDU	3D090839
REYQ264TAYDU	REYQ144TAYDU	3D090839	REYQ120TAYDU	3D090839
REYQ288TAYDU	REYQ144TAYDU	3D090839	REYQ144TAYDU	3D090839
REYQ312TAYDU	REYQ168TAYDU	3D090839	REYQ144TAYDU	3D090839
REYQ336TAYDU	REYQ168TAYDU	3D090839	REYQ168TAYDU	3D090839

- Notes :
- Heights of walls of this example;  
 Front : 59 in. (1500 mm)  
 Suction side : 19-5/8 in. (500 mm)  
 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 DB (35°C DB).  
 The installation space of suction side shown above must be expanded in the following case.
    - Design outdoor temperature becomes over 95°F DB (35°C DB).
    - 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 "Installation and repair space drawing" 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 shown in "Installation and repair space drawing", your layout should take account of the possibility of short circuiting.)
  - 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:3D091216D

REYQ360-456TAYDU



Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.	Outdoor Unit 3	Drawing No.
REYQ360TAYDU	REYQ120TAYDU	3D090839	REYQ120TAYDU	3D090839	REYQ120TAYDU	3D090839
REYQ384TAYDU	REYQ168TAYDU	3D090839	REYQ120TAYDU	3D090839	REYQ96TAYDU	3D090839
REYQ408TAYDU	REYQ168TAYDU	3D090839	REYQ144TAYDU	3D090839	REYQ96TAYDU	3D090839
REYQ432TAYDU	REYQ144TAYDU	3D090839	REYQ144TAYDU	3D090839	REYQ144TAYDU	3D090839
REYQ456TAYDU	REYQ168TAYDU	3D090839	REYQ144TAYDU	3D090839	REYQ144TAYDU	3D090839

- Notes :
1. Heights of walls of this example;  
Front : 59 in. (1500 mm)  
Suction side : 19-5/8 in. (500 mm)  
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°FDB (35°CDB).

The installation space of suction side shown above must be expanded in the following case.

- Design outdoor temperature becomes over 95°FDB (35°CDB).
  - Operating over max. operating load (In case of causing a heavy heating load at indoor unit side)
2. If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
  3. When installing the units the most appropriate pattern should be selected from "Installation and repair space drawing" 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 shown in "Installation and repair space drawing", your layout should take account of the possibility of short circuiting.)
  4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

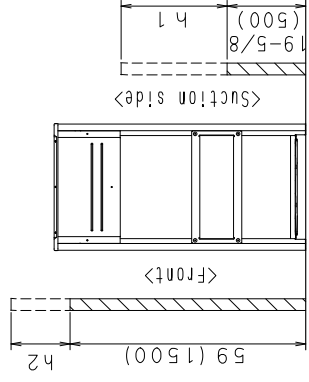
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# 4. Service Space

## REYQ72-456TAYDU

Unit : in. (mm)

For installation in rows



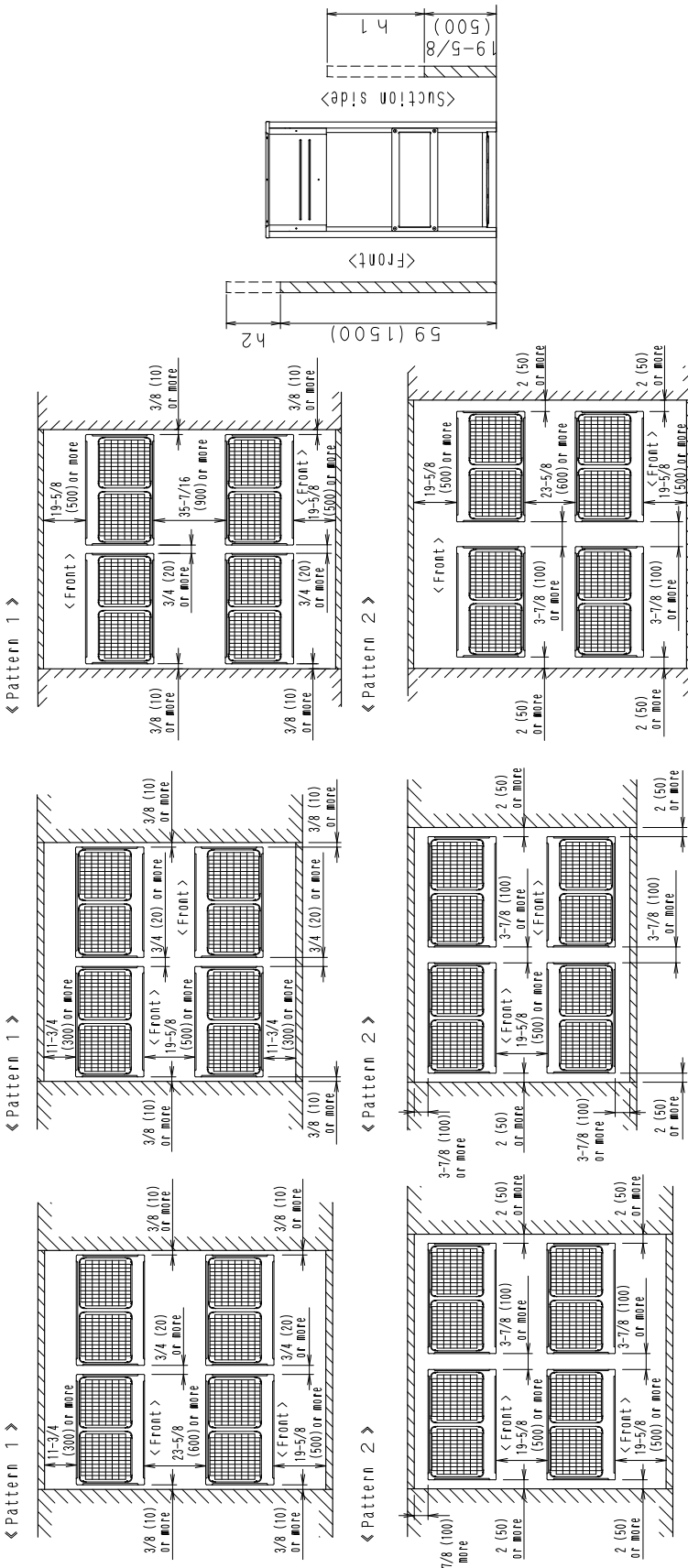
**Notes:**

1. Heights of walls in case of Patterns 1 and 2;  
 Front : 59 in. (1500 mm)  
 Suction side : 19-5/8 in. (500 mm)  
 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°FDB (35°CDB).  
 The installation space of suction side shown above must be expanded in the following case.
  - Design outdoor temperature becomes over 95°FDB (35°CDB).
  - Operating over max. operating load (In case of causing a heavy heating load at indoor unit side)
2. If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
3. When installing the units the most appropriate pattern should be selected from "Installation and repair space drawing" 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 shown in "Installation and repair space drawing", your layout should take account of the possibility of short circuiting.)
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

REYQ72-456TAYDU

Unit : in. (mm)

For centralized group layout



Notes:

1. Heights of walls in case of Patterns 1 and 2;  
Front : 59 in. (1500 mm)  
Suction side : 19-5/8 in. (500 mm)

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 DB (35°C DB). The installation space of suction side shown above must be expanded in the following case.

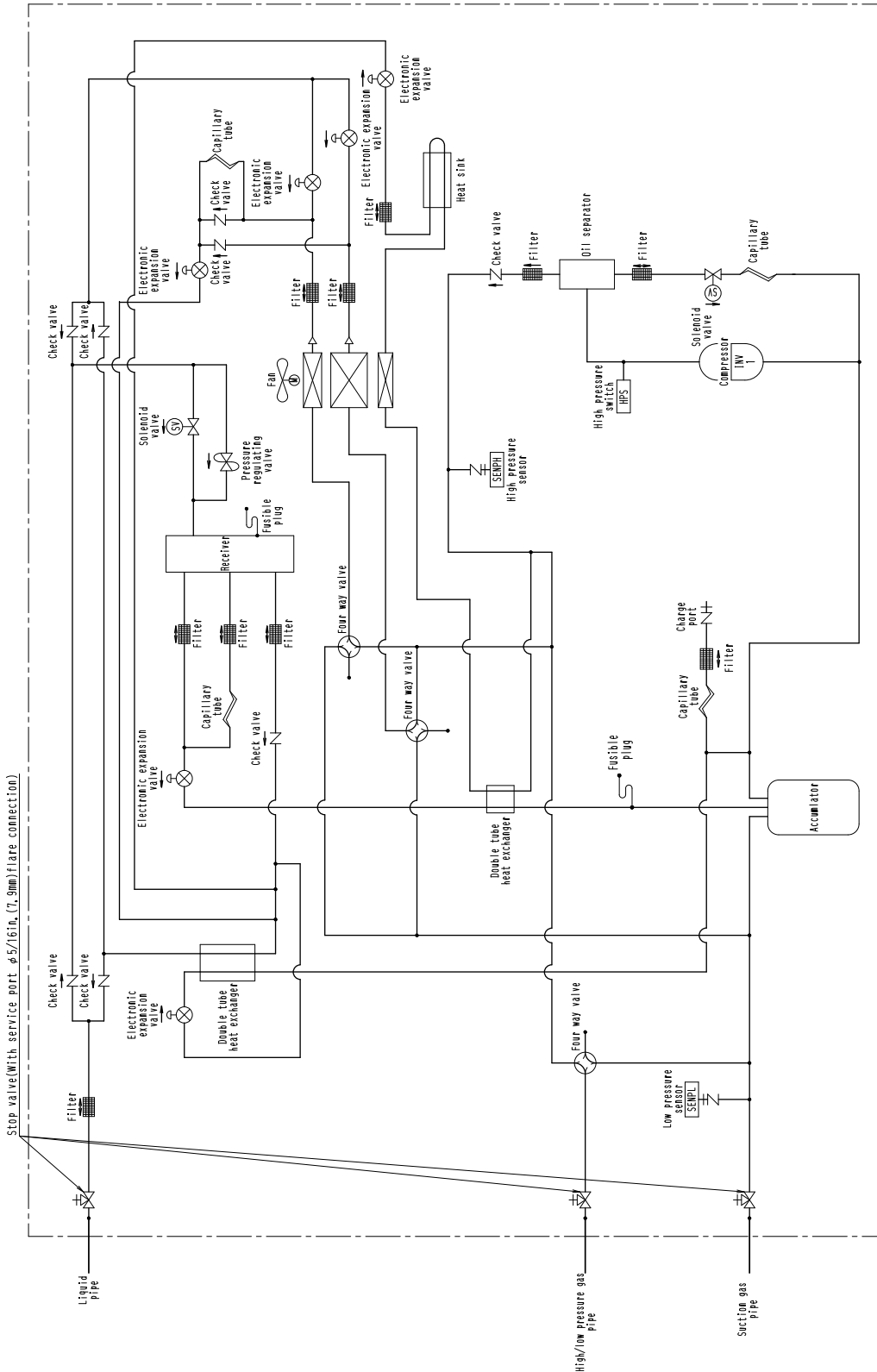
- Design outdoor temperature becomes over 95°F DB (35°C DB).
- Operating over max. operating load (In case of causing a heavy heating load at indoor unit side)

2. If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the following figure.

3. When installing the units the most appropriate pattern should be selected from "Installation and repair space drawing" 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 shown in "Installation and repair space drawing", your layout should take account of the possibility of short circuiting.)
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

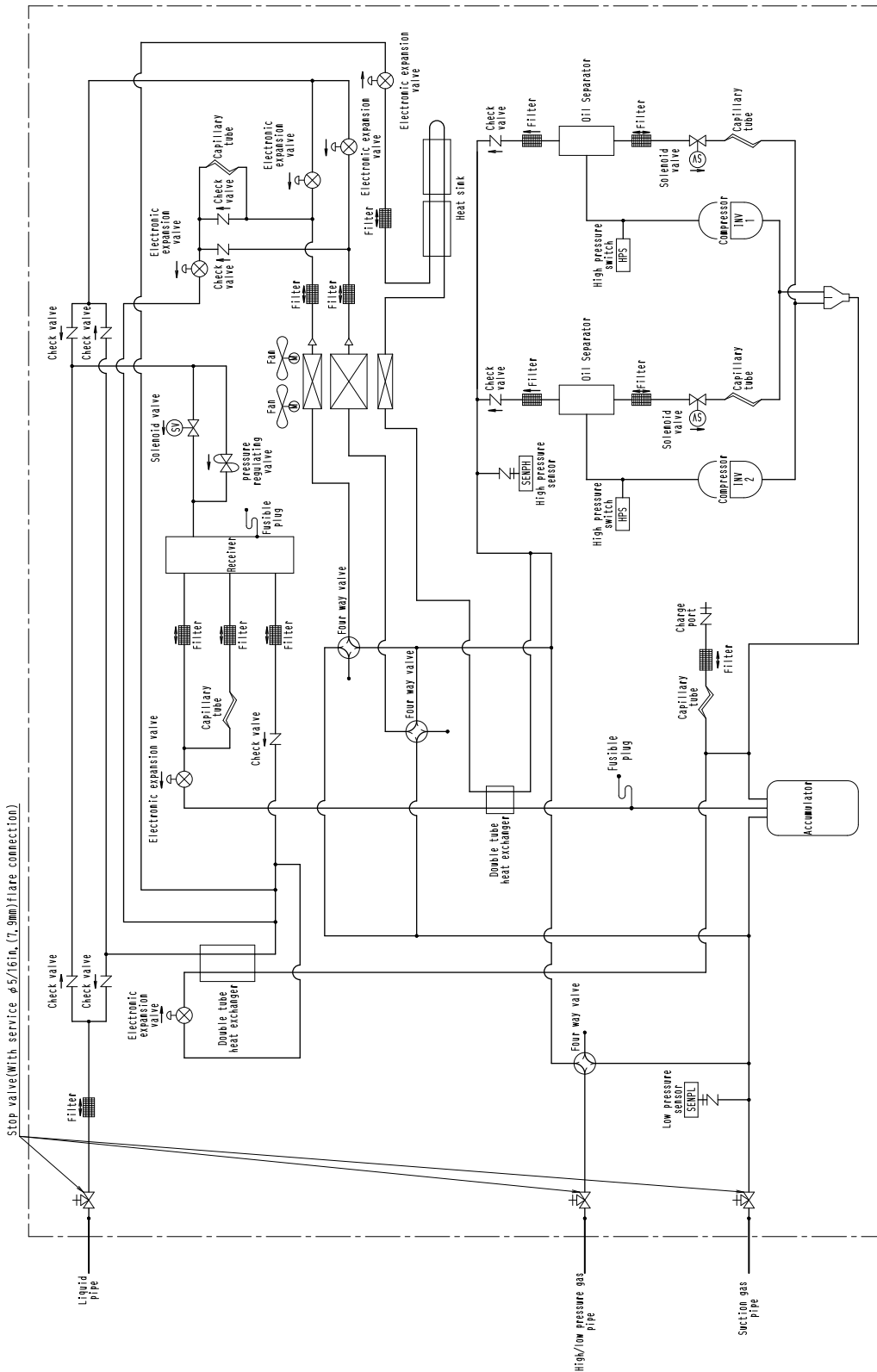
# 5. Piping Diagrams

REYQ72TAYDU



3D091128B

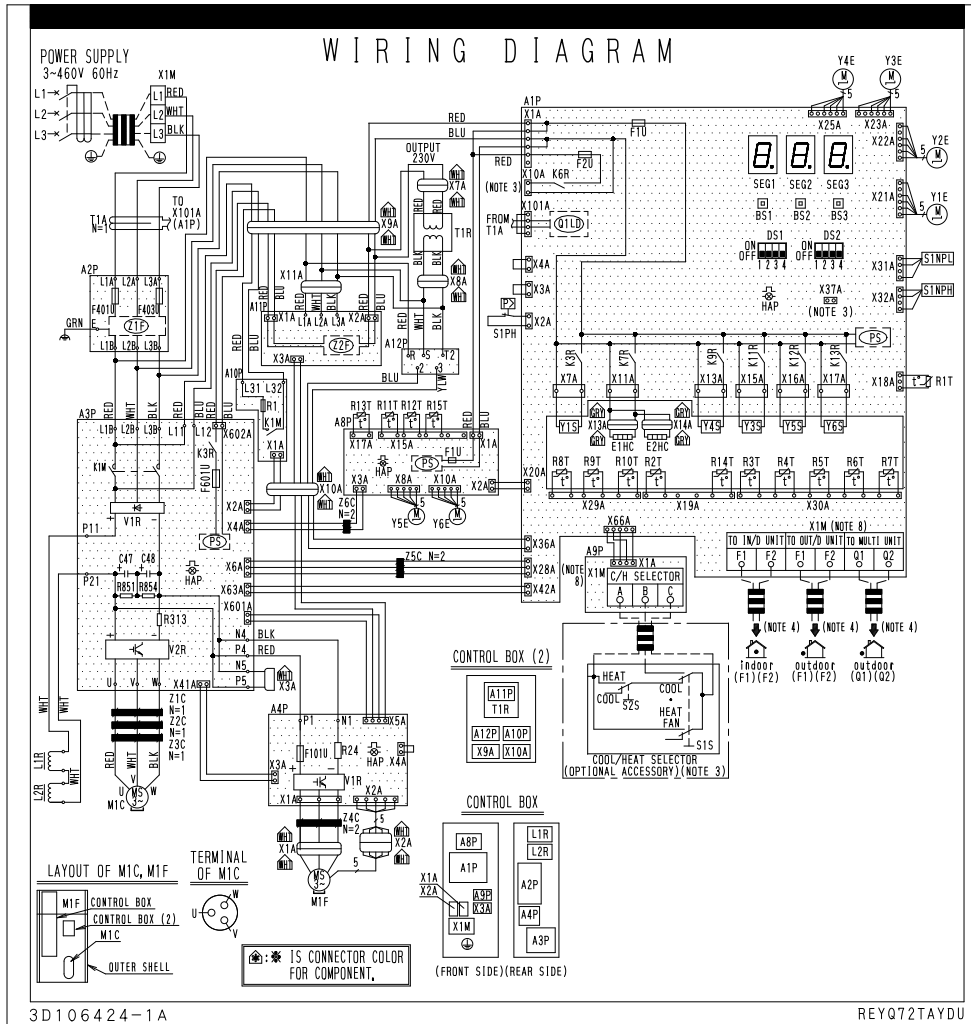
REYQ96-168TAYDU



3D091127B

# 6. Wiring Diagrams

## REYQ72TAYDU



**NOTES**

1. THIS WIRING DIAGRAM IS APPLICABLE ONLY TO THE OUTDOOR UNITS.
2. : FIELD WIRING, : TERMINAL BLOCK, : CONNECTOR, : TERMINAL, : PROTECTIVE GROUND (SCREW), : NOISELESS GROUND.
3. WHEN USING THE OPTIONAL ADAPTOR, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
4. FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION F1-F2, OUTDOOR-OUTDOOR TRANSMISSION F1-F2, OUTDOOR-MULTI TRANSMISSION Q1-Q2, REFER TO THE INSTALLATION MANUAL.
5. HOW TO USE BS1~3 SWITCH, REFER TO “SERVICE PRECAUTIONS” LABEL ON CONTROL BOX COVER.
6. WHEN OPERATING, DON’T SHORTCIRCUIT THE PROTECTION DEVICE (S1PH).
7. COLORS BLK : BLACK ; RED : RED ; BLU : BLUE ; WHT : WHITE ; GRN : GREEN ; GRY : GRAY.
8. CLASS 2 WIRE

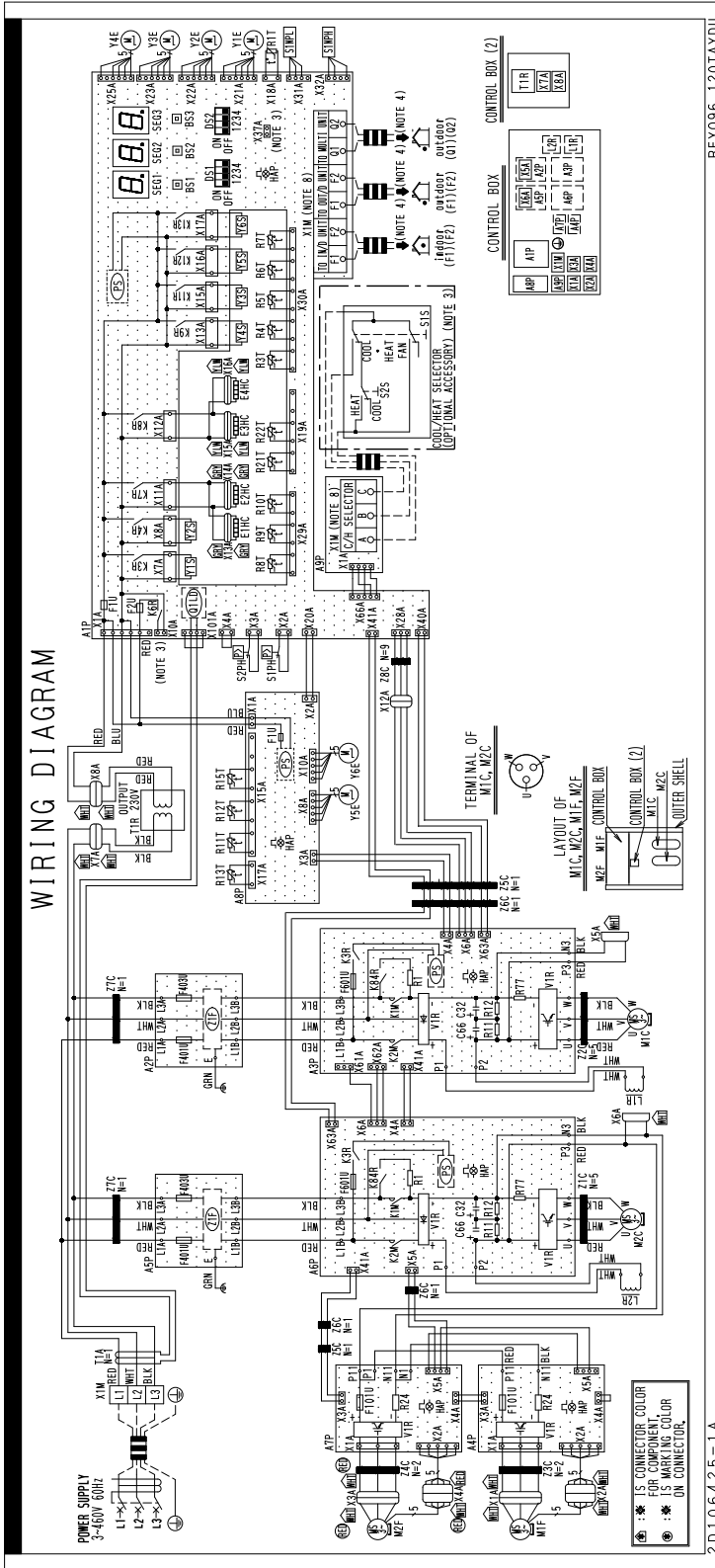
## REYQ72TAYDU

A1P	PRINTED CIRCUIT BOARD (MAIN)	R8T	THERMISTOR (HEAT EXC. GAS UPPER)
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R9T	THERMISTOR (HEAT EXC. GAS LOWER)
A3P	PRINTED CIRCUIT BOARD (INV)	R10T	THERMISTOR (SUCTION)
A4P	PRINTED CIRCUIT BOARD (FAN)	R11T	THERMISTOR (DEICER)
A8P	PRINTED CIRCUIT BOARD (SUB)	R12T	THERMISTOR (COMP. SUCTION)
A9P	PRINTED CIRCUIT BOARD (ABC I/P)	R13T	THERMISTOR (RECEIVER GAS PURGE)
A10P	PRINTED CIRCUIT BOARD (CURRENT LIMITING)	R14T	THERMISTOR (M1C BODY)
A11P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R15T	THERMISTOR (LEAK DETECTION)
A12P	PRINTED CIRCUIT BOARD (OPEN PHASE PROTECTION)	S1NPH	PRESSURE SENSOR (HIGH)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE, SET, RETURN)	S1NPL	PRESSURE SENSOR (LOW)
C47, C48	CAPACITOR (A3P)	S1PH	PRESSURE SWITCH (HIGH)
DS1, DS2	DIP SWITCH (A1P)	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
E1HC, E2HC	CRANKCASE HEATER	T1A	CURRENT SENSOR
F1U, F2U	FUSE (A1P)	T1R	TRANSFORMER (460 V / 230 V)
F1U	FUSE (A8P)	V1R	POWER MODULE (A3P)
F101U	FUSE (A4P)	V1R	POWER MODULE (A4P)
F401U, F403U	FUSE (A2P)	V2R	POWER MODULE (A3P)
F601U	FUSE (A3P)	X1A, X2A	CONNECTOR (M1F)
HAP	PILOTLAMP (A1P, A3P, A4P, A8P) (SERVICE MONITOR-GREEN)	X3A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
K1M	MAGNETIC CONTACTOR (M1C) (A3P)	X7A~X11A	CONNECTOR (CONTROL BOX (2))
K1M	MAGNETIC CONTACTOR (A10P)	X13A, X14A	CONNECTOR (E1HC)
K3R	MAGNETIC RELAY (A3P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
K3R	MAGNETIC RELAY (Y1S) (A1P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K6R	MAGNETIC RELAY (OPTION) (A1P)	X1M	TERMINAL BLOCK (ABC I/P) (A9P)
K7R	MAGNETIC RELAY (E1HC, E2HC) (A1P)	Y1E	ELECTRIC EXPANSION VALVE (HEAT EXC. UPPER)
K9R	MAGNETIC RELAY (Y4S) (A1P)	Y2E	ELECTRIC EXPANSION VALVE (SUBCOOL HEAT EXC.)
K11R	MAGNETIC RELAY (Y3S) (A1P)	Y3E	ELECTRIC EXPANSION VALVE (HEAT EXC. LOWER)
K12R	MAGNETIC RELAY (Y5S) (A1P)	Y4E	ELECTRIC EXPANSION VALVE (RECEIVER GAS PURGE)
K13R	MAGNETIC RELAY (Y6S) (A1P)	Y5E	ELECTRIC EXPANSION VALVE (REFRIGERANT COOLING)
L1R, L2R	REACTOR	Y6E	ELECTRIC EXPANSION VALVE (LEAK DETECTION)
M1C	MOTOR (COMPRESSOR)	Y1S	SOLENOID VALVE (OS OIL RETURN)
M1F	MOTOR (FAN)	Y3S	SOLENOID VALVE (LIQUID SHUTOFF)
PS	SWITCHING POWER SUPPLY (A1P, A3P, A8P)	Y4S	4 WAY VALVE (HP/LP GAS)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)	Y5S	4 WAY VALVE (HEAT EXC. LOWER)
R1	RESISTOR (CURRENT LIMITING) (A10P)	Y6S	4 WAY VALVE (HEAT EXC. UPPER)
R24	RESISTOR (CURRENT SENSOR) (A4P)	Z1C~Z6C	NOISE FILTER (FERRITE CORE)
R313	RESISTOR (CURRENT SENSOR) (A3P)	Z1F	NOISE FILTER (A2P) (WITH SURGE ABSORBER)
R851, R854	RESISTOR (A3P)	Z2F	NOISE FILTER (A11P)
R1T	THERMISTOR (AIR)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R2T	THERMISTOR (M1C DISCHARGE)	X10A	CONNECTOR (DRAIN PAN HEATER) (A1P)
R3T	THERMISTOR (RECEIVER INLET)	X37A	CONNECTOR (POWER ADAPTOR) (A1P)
R4T	THERMISTOR (HEAT EXC. LIQUID UPPER)		
R5T	THERMISTOR (HEAT EXC. LIQUID LOWER)	COOL/HEAT SELECTOR	
R6T	THERMISTOR (SUBCOOL GAS)	S1S	SELECTOR SWITCH (FAN/COOL-HEAT)
R7T	THERMISTOR (SUBCOOL LIQUID)	S2S	SELECTOR SWITCH (COOL/HEAT)

C: 3D106424A



REYQ96-120TAYDU



NOTES)

1. THIS WIRING DIAGRAM IS APPLICABLE ONLY TO THE OUTDOOR UNITS.
2. : TERMINAL BLOCK, : FIELD WIRING, : PROTECTIVE GROUND (SCREW), : NOISELESS GROUND.
3. WHEN USING THE OPTIONAL ADAPTOR, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
4. FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION F1-F2, OUTDOOR-OUTDOOR TRANSMISSION F1-F2, OUTDOOR-MULTI TRANSMISSION Q1-Q2, REFER TO THE INSTALLATION MANUAL.
5. HOW TO USE BS1~3 SWITCH, REFER TO "SERVICE PRECAUTIONS" LABELS ON CONTROL BOX COVER.
6. WHEN OPERATING, DON'T SHORTCIRCUIT THE PROTECTION DEVICE (S1PH, S2PH).
7. COLORS BLK : BLACK ; RED : RED ; BLU : BLUE ; WHT : WHITE ; GRN : GREEN ; GRY : GRAY ; YLW : YELLOW.
8. CLASS 2 WIRE

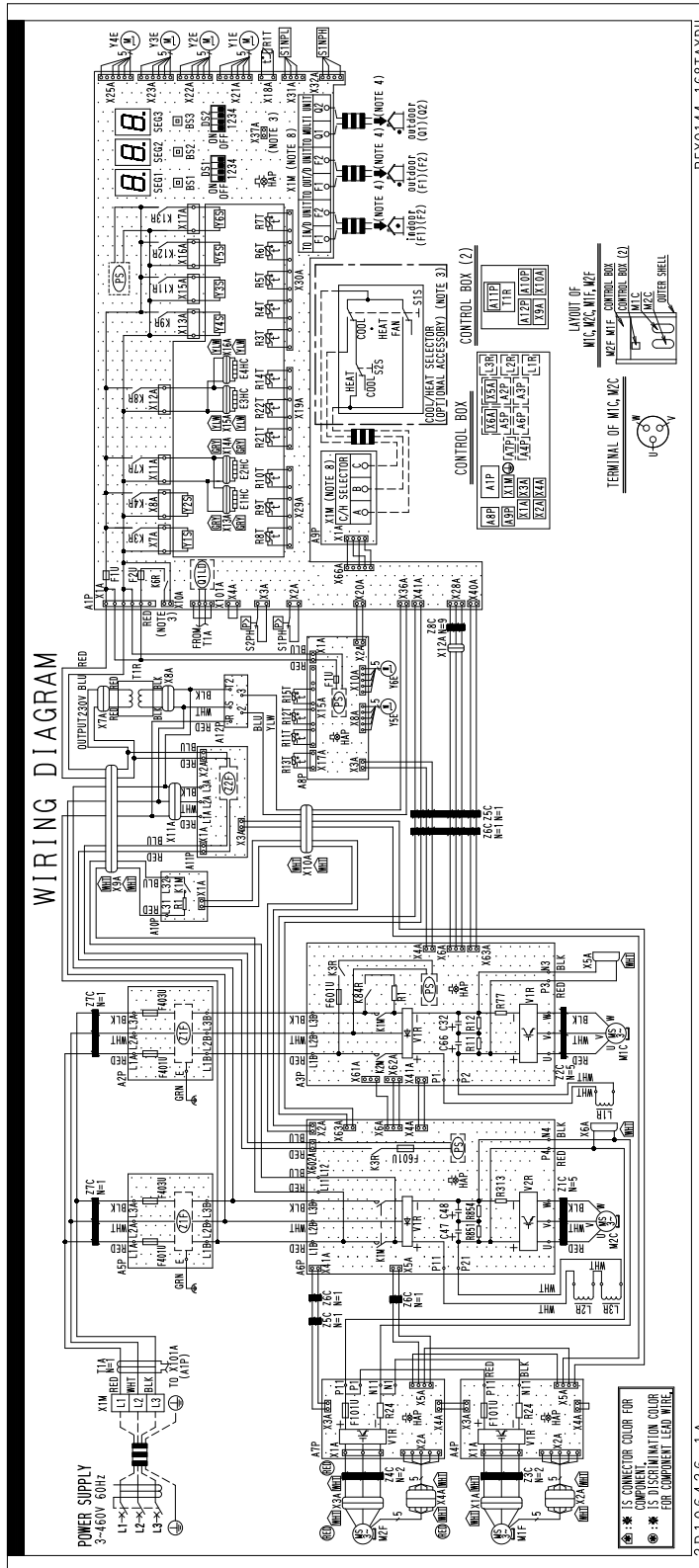
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## REYQ96-120TAYDU

A1P	PRINTED CIRCUIT BOARD (MAIN)	R7T	THERMISTOR (SUBCOOL LIQUID)
A2P, A5P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R8T	THERMISTOR (HEAT EXC. GAS UPPER)
A3P, A6P	PRINTED CIRCUIT BOARD (INV)	R9T	THERMISTOR (HEAT EXC. GAS LOWER)
A4P, A7P	PRINTED CIRCUIT BOARD (FAN)	R10T	THERMISTOR (SUCTION)
A8P	PRINTED CIRCUIT BOARD (SUB)	R11T	THERMISTOR (DEICER)
A9P	PRINTED CIRCUIT BOARD (ABC I/P)	R12T	THERMISTOR (COMP. SUCTION)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE, SET, RETURN)	R13T	THERMISTOR (RECEIVER GAS PURGE)
C32, C66	CAPACITOR (A3P, A6P)	R15T	THERMISTOR (LEAK DETECTION)
DS1, DS2	DIP SWITCH (A1P)	S1NPH	PRESSURE SENSOR (HIGH)
E1HC-E4HC	CRANKCASE HEATER	S1NPL	PRESSURE SENSOR (LOW)
F1U	FUSE (A1P, A8P)	S1PH, S2PH	PRESSURE SWITCH (HIGH)
F2U	FUSE (A1P)	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
F101U	FUSE (A4P, A7P)	T1A	CURRENT SENSOR
F401U, F403U	FUSE (A2P, A5P)	T1R	TRANSFORMER (460 V / 230 V)
F601U	FUSE (A3P, A6P)	V1R	POWER MODULE (A3P, A6P)
HAP	PILOTLAMP (A1P, A3P, A4P, A6P, A7P, A8P) (SERVICE MONITOR-GREEN)	V1R	POWER MODULE (A4P, A7P)
		X1A~X4A	CONNECTOR (M1F, M2F)
K1M, K2M	MAGNETIC CONTACTOR (A3P, A6P)	X5A, X6A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
K3R	MAGNETIC RELAY (A3P, A6P)	X7A, X8A	CONNECTOR (T1R)
K3R	MAGNETIC RELAY (Y1S) (A1P)	X12A	CONNECTOR
K4R	MAGNETIC RELAY (Y2S) (A1P)	X13A~X16A	CONNECTOR (E1HC~E4HC)
K6R	MAGNETIC RELAY (OPTION) (A1P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
K7R	MAGNETIC RELAY (E1HC, E2HC) (A1P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K8R	MAGNETIC RELAY (E3HC, E4HC) (A1P)	X1M	TERMINAL BLOCK (ABC I/P) (A9P)
K9R	MAGNETIC RELAY (Y4S) (A1P)	Y1E	ELECTRIC EXPANSION VALVE (HEAT EXC. UPPER)
K11R	MAGNETIC RELAY (Y3S) (A1P)	Y2E	ELECTRIC EXPANSION VALVE (SUBCOOL HEAT EXC.)
K12R	MAGNETIC RELAY (Y5S) (A1P)	Y3E	ELECTRIC EXPANSION VALVE (HEAT EXC. LOWER)
K13R	MAGNETIC RELAY (Y6S) (A1P)	Y4E	ELECTRIC EXPANSION VALVE (RECEIVER GAS PURGE)
K84R	MAGNETIC RELAY (A3P) (A6P)	Y5E	ELECTRIC EXPANSION VALVE (REFRIGERANT COOLING)
L1R, L2R	REACTOR	Y6E	ELECTRIC EXPANSION VALVE (LEAK DETECTION)
M1C, M2C	MOTOR (COMPRESSOR)	Y1S	SOLENOID VALVE (OS OIL RETURN 1)
M1F, M2F	MOTOR (FAN)	Y2S	SOLENOID VALVE (OS OIL RETURN 2)
PS	SWITCHING POWER SUPPLY (A1P, A3P, A6P, A8P)	Y3S	SOLENOID VALVE (LIQUID SHUTOFF)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)	Y4S	4 WAY VALVE (HP/LP GAS)
R1	RESISTOR (CURRENT LIMITING) (A3P, A6P)	Y5S	4 WAY VALVE (HEAT EXC. LOWER)
R11, R12	RESISTOR (A3P, A6P)	Y6S	4 WAY VALVE (HEAT EXC. UPPER)
R24	RESISTOR (CURRENT SENSOR) (A4P, A7P)	Z1C~Z8C	NOISE FILTER (FERRITE CORE)
R77	RESISTOR (CURRENT SENSOR) (A3P, A6P)	Z1F	NOISE FILTER (A2P, A5P) (WITH SURGE ABSORBER)
R1T	THERMISTOR (AIR)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R21T	THERMISTOR (M1C DISCHARGE)	X10A	CONNECTOR (DRAIN PAN HEATER) (A1P)
R22T	THERMISTOR (M2C DISCHARGE)	X37A	CONNECTOR (POWER ADAPTOR) (A1P)
R3T	THERMISTOR (RECEIVER INLET)		
R4T	THERMISTOR (HEAT EXC. LIQUID UPPER)	COOL/HEAT SELECTOR	
R5T	THERMISTOR (HEAT EXC. LIQUID LOWER)	S1S	SELECTOR SWITCH (FAN/COOL-HEAT)
R6T	THERMISTOR (SUBCOOL GAS)	S2S	SELECTOR SWITCH (COOL/HEAT)

C: 2D106425A

REYQ144-168TAYDU



NOTES)

1. THIS WIRING DIAGRAM IS APPLICABLE ONLY TO THE OUTDOOR UNITS.
2. : FIELD WIRING, : TERMINAL BLOCK, : CONNECTOR, : TERMINAL, : PROTECTIVE GROUND (SCREW), : NOISELESS GROUND.
3. WHEN USING THE OPTIONAL ADAPTOR, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
4. FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION F1-F2, OUTDOOR-OUTDOOR TRANSMISSION F1-F2, OUTDOOR-MULTI TRANSMISSION Q1-Q2, REFER TO THE INSTALLATION MANUAL.
5. HOW TO USE BS1~3 SWITCH, REFER TO "SERVICE PRECAUTIONS" LABELS ON CONTROL BOX COVER.
6. WHEN OPERATING, DON'T SHORTCIRCUIT THE PROTECTION DEVICE (S1PH, S2PH).
7. COLORS BLK : BLACK ; RED : RED ; BLU : BLUE ; WHT : WHITE ; GRN : GREEN ; GRY : GRAY ; YLW : YELLOW.
8. CLASS 2 WIRE

C: 2D106426A

## REYQ144-168TAYDU

A1P	PRINTED CIRCUIT BOARD (MAIN)	R5T	THERMISTOR (HEAT EXC. LIQUID LOWER)
A2P, A5P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R6T	THERMISTOR (SUBCOOL GAS)
A3P, A6P	PRINTED CIRCUIT BOARD (INV)	R7T	THERMISTOR (SUBCOOL LIQUID)
A4P, A7P	PRINTED CIRCUIT BOARD (FAN)	R8T	THERMISTOR (HEAT EXC. GAS UPPER)
A8P	PRINTED CIRCUIT BOARD (SUB)	R9T	THERMISTOR (HEAT EXC. GAS LOWER)
A9P	PRINTED CIRCUIT BOARD (ABC I/P)	R10T	THERMISTOR (SUCTION)
A10P	PRINTED CIRCUIT BOARD (CURRENT LIMITING)	R11T	THERMISTOR (DEICER)
A11P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R12T	THERMISTOR (COMP. SUCTION)
A12P	PRINTED CIRCUIT BOARD (OPEN PHASE PROTECTION)	R13T	THERMISTOR (RECEIVER GAS PURGE)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE, SET, RETURN)	R14T	THERMISTOR (M2C BODY)
C32, C66	CAPACITOR (A3P)	R15T	THERMISTOR (LEAK DETECTION)
C47, C48	CAPACITOR (A6P)	S1NPH	PRESSURE SENSOR (HIGH)
DS1, DS2	DIP SWITCH (A1P)	S1NPL	PRESSURE SENSOR (LOW)
E1HC~E4HC	CRANKCASE HEATER	S1PH, S2PH	PRESSURE SWITCH (HIGH)
F1U	FUSE (A1P, A8P)	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
F2U	FUSE (A1P)	T1A	CURRENT SENSOR
F101U	FUSE (A4P, A7P)	T1R	TRANSFORMER (460 V / 230 V)
F401U, F403U	FUSE (A2P, A5P)	V1R	POWER MODULE (A3P, A6P)
F601U	FUSE (A3P, A6P)	V1R	POWER MODULE (A4P, A7P)
HAP	PILOTLAMP (A1P, A3P, A4P, A6P, A7P, A8P) (SERVICE MONITOR-GREEN)	V2R	POWER MODULE (A6P)
		X1A~X4A	CONNECTOR (M1F, M2F)
K1M, K2M	MAGNETIC CONTACTOR (A3P, A6P)	X5A, X6A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
K1M	MAGNETIC CONTACTOR (A10P)	X7A~X11A	CONNECTOR (T1R)
K3R	MAGNETIC RELAY (A3P, A6P)	X12A	CONNECTOR
K3R	MAGNETIC RELAY (Y1S) (A1P)	X13A~X16A	CONNECTOR (E1HC~E4HC)
K4R	MAGNETIC RELAY (Y2S) (A1P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
K6R	MAGNETIC RELAY (OPTION) (A1P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K7R	MAGNETIC RELAY (E1HC, E2HC) (A1P)	X1M	TERMINAL BLOCK (ABC I/P) (A9P)
K8R	MAGNETIC RELAY (E3HC, E4HC) (A1P)	Y1E	ELECTRIC EXPANSION VALVE (HEAT EXC. UPPER)
K9R	MAGNETIC RELAY (Y4S) (A1P)	Y2E	ELECTRIC EXPANSION VALVE (SUBCOOL HEAT EXC.)
K11R	MAGNETIC RELAY (Y3S) (A1P)	Y3E	ELECTRIC EXPANSION VALVE (HEAT EXC. LOWER)
K12R	MAGNETIC RELAY (Y5S) (A1P)	Y4E	ELECTRIC EXPANSION VALVE (RECEIVER GAS PURGE)
K13R	MAGNETIC RELAY (Y6S) (A1P)	Y5E	ELECTRIC EXPANSION VALVE (REFRIGERANT COOLING)
K84R	MAGNETIC RELAY (A3P)	Y6E	ELECTRIC EXPANSION VALVE (LEAK DETECTION)
L1R~L3R	REACTOR	Y1S	SOLENOID VALVE (OS OIL RETURN 1)
M1C, M2C	MOTOR (COMPRESSOR)	Y2S	SOLENOID VALVE (OS OIL RETURN 2)
M1F, M2F	MOTOR (FAN)	Y3S	SOLENOID VALVE (LIQUID SHUT OFF)
PS	SWITCHING POWER SUPPLY (A1P, A3P, A6P, A8P)	Y4S	4 WAY VALVE (HP/LP GAS)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)	Y5S	4 WAY VALVE (HEAT EXC. LOWER)
R1	RESISTOR (CURRENT LIMITING) (A3P, A10P)	Y6S	4 WAY VALVE (HEAT EXC. UPPER)
R11, R12	RESISTOR (A3P)	Z1C~Z8C	NOISE FILTER (FERRITE CORE)
R24	RESISTOR (CURRENT SENSOR) (A4P, A7P)	Z1F	NOISE FILTER (A2P, A5P) (WITH SURGE ABSORBER)
R77	RESISTOR (CURRENT SENSOR) (A3P)	Z2F	NOISE FILTER (A11P)
R313	RESISTOR (CURRENT LIMITING) (A6P)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R851, R854	RESISTOR (A6P)	X10A	CONNECTOR (DRAIN PAN HEATER) (A1P)
R1T	THERMISTOR (AIR)	X37A	CONNECTOR (POWER ADAPTOR) (A1P)
R21T	THERMISTOR (M1C DISCHARGE)		
R22T	THERMISTOR (M2C DISCHARGE)	COOL/HEAT SELECTOR	
R3T	THERMISTOR (RECEIVER INLET)	S1S	SELECTOR SWITCH (FAN/COOL-HEAT)
R4T	THERMISTOR (HEAT EXC. LIQUID UPPER)	S2S	SELECTOR SWITCH (COOL/HEAT)

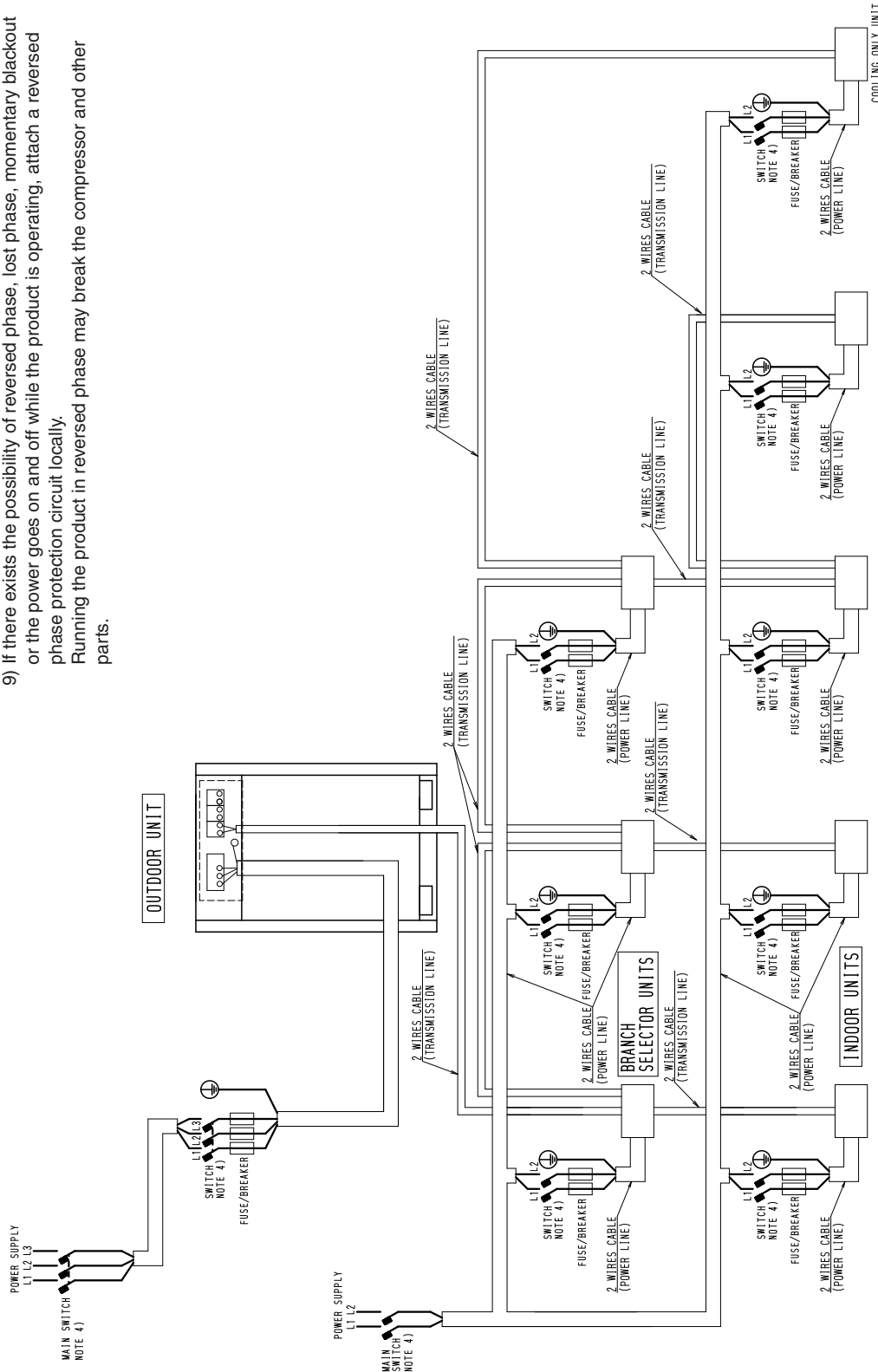
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# 7. Field Wiring

## REYQ72-168TAYDU

- 5) Unit shall be grounded in compliance with the applicable local and national codes.
- 6) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
- 7) Be sure to install the switch and the fuse/breaker to the power line of each piece of equipment.
- 8) 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.
- 9) If there exists the possibility of reversed phase, lost 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) Field wiring diagram is to be used as a guideline only.
- Wiring should comply with applicable local and national codes.

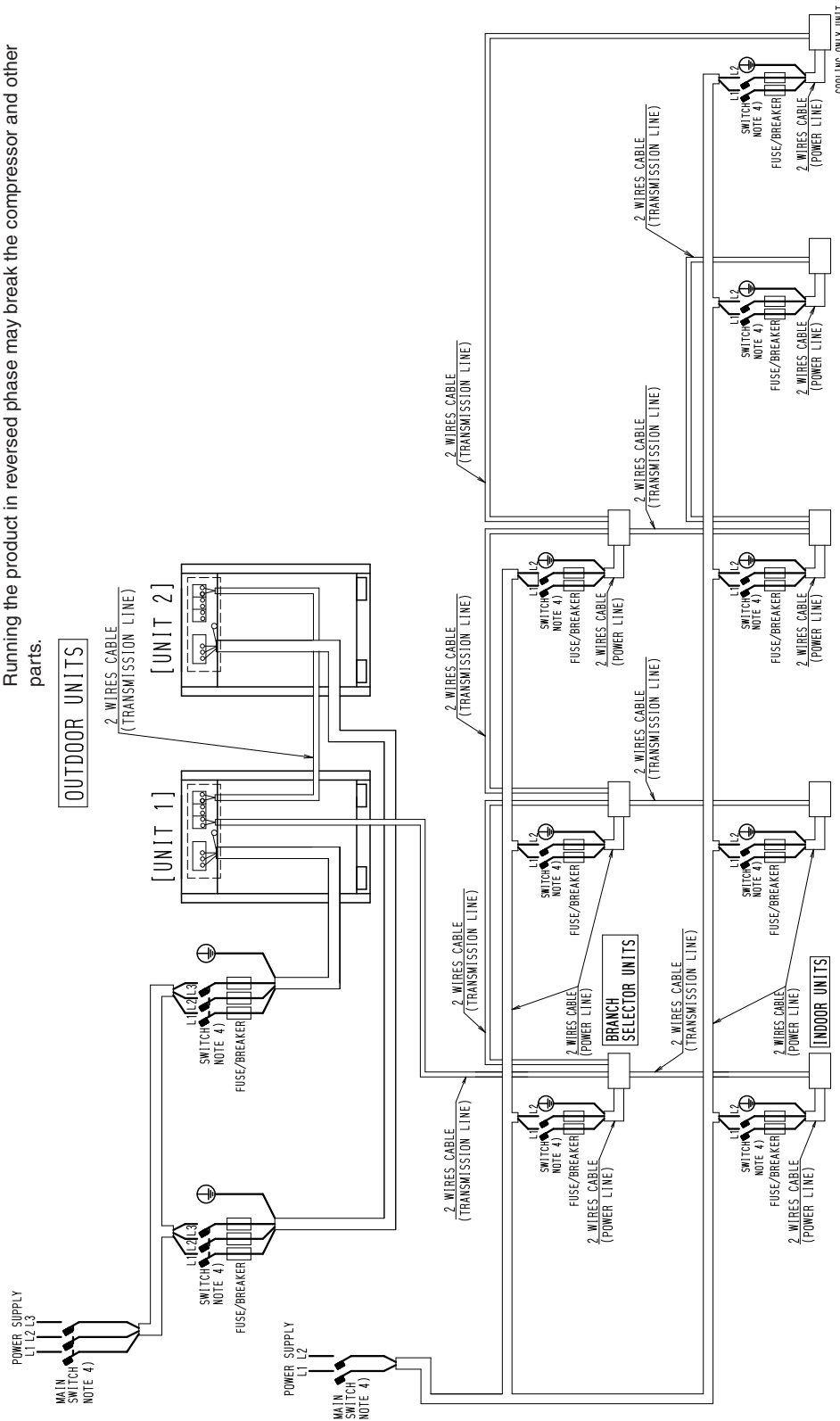


C: 3D090831B

REYQ192-336TAYDU

- 5) Unit shall be grounded in compliance with the applicable local and national codes.
  - 6) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
  - 7) Be sure to install the switch and the fuse/breaker to the power line of each piece of equipment.
  - 8) 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.
  - 9) If there exists the possibility of reversed phase, lost 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) Field wiring diagram is to be used as a guideline only.
- Wiring should comply with applicable local and national codes.

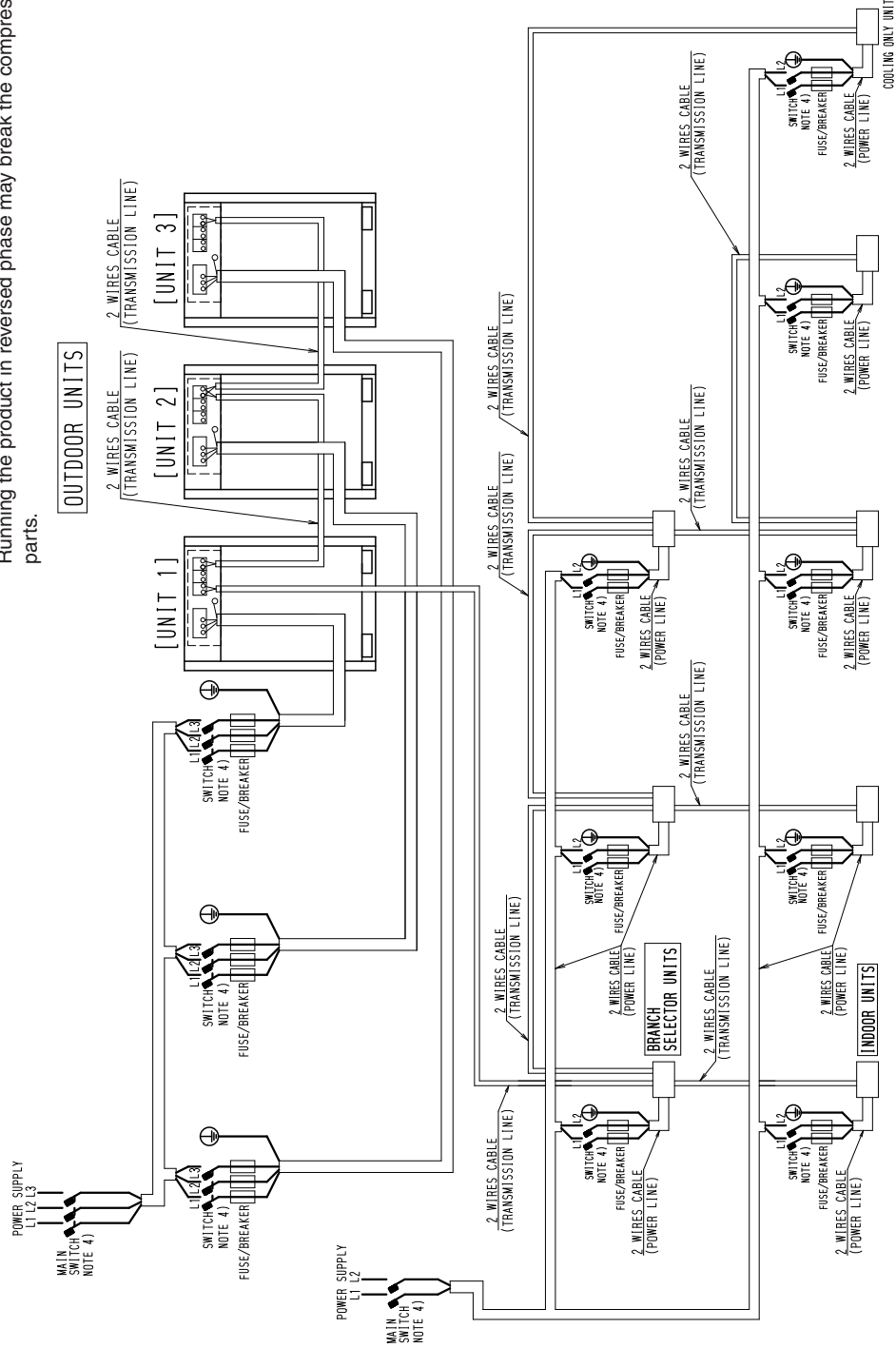


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REYQ360-456TAYDU

- 5) Unit shall be grounded in compliance with the applicable local and national codes.
  - 6) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
  - 7) Be sure to install the switch and the fuse/breaker to the power line of each piece of equipment.
  - 8) 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.
  - 9) If there exists the possibility of reversed phase, lost 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) Field wiring diagram is to be used as a guideline only.
- Wiring should comply with applicable local and national codes.



C:3D090833C

## 8. Electrical Characteristics

### REYQ72-456TAYDU

Model name	Units				Power supply		Comp.	OFM		SCCR	
	Hz	Volts	Min.	Max.	MCA	MOP	RLA	kW	FLA		
REYQ72TAYDU	60	460	416	508	15.2	20	9.4	0.5	0.8	SCCR kA rms, Symmetrical @600 V MAX: 5	
REYQ96TAYDU	60	460	416	508	21.1	25	6.2 + 6.2	0.6 × 2	1.0 × 2		
REYQ120TAYDU	60	460	416	508	21.1	25	6.8 + 6.8	0.6 × 2	1.0 × 2		
REYQ144TAYDU	60	460	416	508	31.9	40	7.3 + 10.3	0.6 × 2	1.0 × 2		
REYQ168TAYDU	60	460	416	508	36.1	40	7.9 + 11.1	0.6 × 2	1.0 × 2		
REYQ192TAYDU	REYQ72TAYDU	60	460	416	508	15.2 + 21.1	20 + 25	9.4 + (6.8 + 6.8)	0.5 + (0.6 × 2)		0.8 + (1.0 × 2)
	REYQ120TAYDU										
REYQ216TAYDU	REYQ96TAYDU	60	460	416	508	21.1 + 21.1	25 + 25	(6.2 + 6.2) + (6.8 + 6.8)	(0.6 × 2) × 2		(1.0 × 2) × 2
	REYQ120TAYDU										
REYQ240TAYDU	REYQ96TAYDU	60	460	416	508	21.1 + 31.9	25 + 40	(6.2 + 6.2) + (7.3 + 10.3)	(0.6 × 2) × 2		(1.0 × 2) × 2
	REYQ144TAYDU										
REYQ264TAYDU	REYQ120TAYDU	60	460	416	508	21.1 + 31.9	25 + 40	(6.8 + 6.8) + (7.3 + 10.3)	(0.6 × 2) × 2		(1.0 × 2) × 2
	REYQ144TAYDU										
REYQ288TAYDU	REYQ144TAYDU	60	460	416	508	31.9 + 31.9	40 + 40	(7.3 + 10.3) × 2	(0.6 × 2) × 2		(1.0 × 2) × 2
	REYQ144TAYDU										
REYQ312TAYDU	REYQ144TAYDU	60	460	416	508	31.9 + 36.1	40 + 40	(7.3 + 10.3) + (7.9 + 11.1)	(0.6 × 2) × 2		(1.0 × 2) × 2
	REYQ168TAYDU										
REYQ336TAYDU	REYQ168TAYDU	60	460	416	508	36.1 + 36.1	40 + 40	(7.9 + 11.1) × 2	(0.6 × 2) × 2		(1.0 × 2) × 2
	REYQ168TAYDU										
REYQ360TAYDU	REYQ120TAYDU	60	460	416	508	21.1 + 21.1 + 21.1	25 + 25 + 25	(6.8 + 6.8) × 3	(0.6 × 2) × 3		(1.0 × 2) × 3
	REYQ120TAYDU										
	REYQ120TAYDU										
REYQ384TAYDU	REYQ96TAYDU	60	460	416	508	21.1 + 21.1 + 36.1	25 + 25 + 40	(6.2 + 6.2) + (6.8 + 6.8) + (7.9 + 11.1)	(0.6 × 2) × 3		(1.0 × 2) × 3
	REYQ120TAYDU										
	REYQ168TAYDU										
REYQ408TAYDU	REYQ96TAYDU	60	460	416	508	21.1 + 31.9 + 36.1	25 + 40 + 40	(6.2 + 6.2) + (7.3 + 10.3) + (7.9 + 11.1)	(0.6 × 2) × 3	(1.0 × 2) × 3	
	REYQ144TAYDU										
	REYQ168TAYDU										
REYQ432TAYDU	REYQ144TAYDU	60	460	416	508	31.9 + 31.9 + 31.9	40 + 40 + 40	(7.3 + 10.3) × 3	(0.6 × 2) × 3	(1.0 × 2) × 3	
	REYQ144TAYDU										
	REYQ144TAYDU										
REYQ456TAYDU	REYQ144TAYDU	60	460	416	508	31.9 + 31.9 + 36.1	40 + 40 + 40	(7.3 + 10.3) × 2 + (7.9 + 11.1)	(0.6 × 2) × 3	(1.0 × 2) × 3	
	REYQ144TAYDU										
	REYQ168TAYDU										

#### Symbols:

MCA: Min. Circuit Amps. (A)  
MOP: Max. Overcurrent Protector (A)  
RLA: Rated Load Amps. (A)  
OFM: Outdoor Fan Motor  
kW: Rated Motor Output (kW)  
FLA: Full Load Amps. (A)  
SCCR: Short-Circuit Current Rating

#### Notes:

- RLA is based on the following conditions.  
Indoor temp. 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)  
Outdoor temp. 95°FDB (35.0°CDB)
- Voltage range  
Units are designed to operate only at the rated voltage provided in the table above.
- Maximum allowable voltage variation between phases is 2%.
- Select wire size based on the value of MCA.
- MOP is used to select the circuit breaker.

C: 3D090785C, 3D090787C, 3D090789C



# 9. Capacity Tables (Reference Data)

## 9.1 Cooling Capacity for Standard Condition (Te: 43°F (6°C))

### 9.1.1 Fahrenheit

REYQ72TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Combination air temp.	Outdoor air temp.	Indoor air temp. °F/WB																				Combination air temp.	Outdoor air temp.	Indoor air temp. °F/WB																																			
		57				61				64				67				70						72				75				57				61				64				67				70				72				75			
		TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW			TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW	TC	PI	MBH	KW												
130	23	54.9	1.44	70.4	1.89	82.0	2.25	93.6	2.62	102	2.82	103	2.76	105	2.66	23	33.8	0.89	43.3	1.12	50.5	1.31	57.6	1.51	64.7	1.72	69.5	1.86	76.6	2.08	82.0	2.25	93.6	2.62	102	2.82	103	2.76	105	2.66																			
120	23	54.9	1.44	70.4	1.89	82.0	2.25	93.6	2.62	102	2.82	103	2.76	105	2.66	23	33.8	0.89	43.3	1.12	50.5	1.31	57.6	1.51	64.7	1.72	69.5	1.86	76.6	2.08	82.0	2.25	93.6	2.62	102	2.82	103	2.76	105	2.66																			
110	23	54.9	1.44	70.4	1.89	82.0	2.25	93.6	2.62	102	2.82	103	2.76	105	2.66	23	33.8	0.89	43.3	1.12	50.5	1.31	57.6	1.51	64.7	1.72	69.5	1.86	76.6	2.08	82.0	2.25	93.6	2.62	102	2.82	103	2.76	105	2.66																			
100	23	54.9	1.44	70.4	1.89	82.0	2.25	93.6	2.62	102	2.82	103	2.76	105	2.66	23	33.8	0.89	43.3	1.12	50.5	1.31	57.6	1.51	64.7	1.72	69.5	1.86	76.6	2.08	82.0	2.25	93.6	2.62	102	2.82	103	2.76	105	2.66																			

TC: Total capacity: MBH  
 PI: Power input: kW (Compressor-Outdoor fan motor)  
 Notes: 1. [shaded] is shown as reference.  
 2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.  
 3. [boxed] shows rated condition.

REYQ96TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Large table with columns for Combination, Outdoor air temp., Indoor air temp., F, W, B, MH, KW, MBH, etc., organized in a grid for cooling capacity values.

TC: Total capacity: MBH
Pl: Power input: kW (Compressor-Outdoor fan motor)

- Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [shaded] shows rated condition.

REYQ120TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Table with columns for Outdoor air temp., Indoor air temp., and Cooling Capacity (MBH, kW) for various combinations of conditions. Includes sub-sections for 130, 120, 110, 100, and 90 capacity units.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)
Notes: 1. is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. shows rated condition.

REYQ144TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Main table containing cooling capacity data for REYQ144TAYDU units. It features two large tables side-by-side, each with columns for indoor air temperature (57, 61, 64, 67, 70, 72, 75 °F) and outdoor air temperature (57, 61, 64, 67, 70, 72, 75 °F). Rows are categorized by indoor air flow rate (130, 120, 110, 100, 90 CFM) and outdoor air flow rate (23, 30, 40, 50, 54, 58, 62, 66, 70, 72, 75, 79, 83, 87, 91, 95, 99, 103, 106, 110, 115, 118, 122 CFM). Each cell contains a numerical value representing cooling capacity in MBH.

TC: Total capacity: MBH  
PI: Power input: kW (Compressor-Outdoor fan motor)

- Notes:
- 1. [Symbol] is shown as reference.
  - 2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
  - 3. [Symbol] shows rated condition.

REYQ168TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Table with columns for Outdoor air temp., Indoor air temp., and Capacity (kW). Includes sub-sections for 130, 120, 110, 100, and 90. Includes a legend for TC (Total capacity: MBH) and PI (Power input: kW).

REYQ192TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Table with columns for Outdoor air temp, Indoor air temp (57-75), and Capacity (MBH, kW). Includes sub-sections for 130, 120, 110, 100, and 90 capacity ranges.

TC: Total capacity: MBH
Pl: Power input: kW (Compressor+Outdoor fan motor)

- Notes: 1. [shaded box] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [unshaded box] shows rated condition.

REYQ216TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Table with columns for Outdoor air temp, Indoor air temp, and Cooling Capacity (MBH, kW) for various combinations of conditions. Includes sub-sections for 130, 120, 110, 100, and 90 capacity ranges.

TC: Total capacity: MBH
Pl: Power input: kW (Compressor+Outdoor fan motor)
Notes: 1. [Symbol] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [Symbol] shows rated condition.

REYQ240TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Large data table with columns for Combination, Outdoor air temp., Indoor air temp. \*FWB, and Capacity (MBH, KW). Includes a legend for TC, PI, and Notes.



REYQ264TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Table with columns for Combination, Outdoor air temp., Indoor air temp. °F WB, and Capacity (MBH, kW). It is divided into three main sections for different indoor air temperatures: 67°F, 70°F, and 75°F. Each section contains a grid of data points for various combinations of outdoor air temperatures and indoor air conditions.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)

- Notes: 1. [Symbol] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [Symbol] shows rated condition.

REYQ288TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Table with columns for Outdoor air temp, Indoor air temp, and Cooling Capacity (MBH, kW) for various combinations of indoor and outdoor temperatures. Includes sub-sections for 130, 120, 110, 100, and 90 BTU/h capacity ranges.

TC: Total capacity: MBH
Pl: Power input: kW (Compressor+Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [unshaded] shows rated condition.

REYQ312TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Table with columns for Outdoor air temp, Indoor air temp, and Cooling Capacity (MBH, kW) for various combinations of conditions. Includes sub-sections for 130, 120, 110, 100, and 90 capacity ratings.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [shaded] shows rated condition.

REYQ336TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Table with columns for Outdoor air temp, Indoor air temp, and Cooling Capacity (MBH, kW) for various combinations of conditions. Includes a legend for TC (Total capacity: MBH) and PI (Power input: kW) and notes regarding shaded and boxed values.

REYQ360TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Table with columns for Outdoor air temp, Indoor air temp, and Cooling Capacity (MBH, kW) for various combinations of conditions. Includes sub-sections for 130, 120, 110, 100, and 90 capacity ranges.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)

- Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [unshaded] shows rated condition.

REYQ384TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Main table with columns for outdoor air temp (5, 6, 7, 8, 9), indoor air temp (7, 8, 9, 10, 11, 12, 13), and combinations of total capacity (TC) and power input (PI) for various fan speeds and coil types.

REYQ408TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Table with columns for Outdoor air temp, Indoor air temp, and Cooling Capacity (MBH, kW) for various combinations of conditions. Includes sub-sections for 130, 120, 110, 100, and 90 capacity levels.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [unshaded] shows rated condition.

REYQ432TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Combination Outdoor air temp.	Indoor air temp. °F WB																									Combination Outdoor air temp.	Indoor air temp. °F WB																								
	57	61	64		67		70		72		75		57	61	64		67		70		72		75																												
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC		PI																								
130	23	330	14.5	422	18.5	492	23.7	562	27.6	596	28.5	605	27.3	598	27.3	23	303	8.07	260	11.4	303	13.4	336	15.4	358	17.4	379	18.9	417	19.9	460	21.7	480	22.7																	
	120	23	279	12.3	357	16.0	416	18.9	475	22.0	534	25.2	573	27.3	610	28.7	23	252	7.16	195	8.76	227	10.0	259	11.4	291	12.8	313	13.8	345	15.3	365	16.8	402	18.2																
		110	23	228	10.2	292	13.5	341	15.6	389	18.1	437	20.6	469	21.7	517	24.3	23	177	6.09	142	7.70	163	8.87	195	10.2	217	11.6	249	13.0	271	14.4	303	15.8	325	17.2	347	18.6													
			100	23	177	8.09	227	10.1	265	11.7	302	13.3	340	15.1	365	16.3	402	18.2	23	127	4.88	142	6.09	163	7.26	195	8.44	217	9.61	249	10.8	271	12.0	303	13.2	325	14.4	347	15.6	369	16.8										
				90	23	127	4.88	142	6.09	163	7.26	195	8.44	217	9.61	249	10.8	271	12.0	303	13.2	325	14.4	347	15.6	369	16.8	391	18.0	413	19.2	435	20.4	457	21.6	479	22.8														

TC: Total capacity: MBH  
PI: Power input: kW (Compressor+Outdoor fan motor)

- Notes: 1.   is shown as reference.  
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.  
3.   shows rated condition.



REYQ456TAYDU Cooling Capacity for Standard Condition (Te: 43°F)

Table with columns for Outdoor air temp, Indoor air temp, and Capacity (MBH, kW) for various combinations of conditions. Includes sub-sections for 130, 120, 110, 100, and 90 capacity ratings.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)

- Notes: 1. is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. shows rated condition.

9.1.2 Celsius

REYQ72TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Table with 4 main sections for capacity ratings (130, 120, 110, 100, 90) and 2 sub-sections for 80. Each section contains a grid of capacity values (kW) for different indoor air temperatures (13.9 to 23.9 °C) and outdoor air temperatures (-5.0 to 50.0 °C). Includes a legend for TC (Total capacity) and P (Power input) and a list of notes explaining the data.

REYQ96TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Table with columns for Outdoor air temp, Indoor air temp, and Cooling Capacity (kW). Includes sub-sections for 130, 120, 110, 100, and 90 capacity ranges. Includes a legend for TC (Total capacity) and PI (Power input).

REYQ120TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Table with columns for Outdoor air temp, Indoor air temp, and Capacity (kW). It is divided into four main sections for different capacities: 130, 120, 110, and 100 kW. Each section contains a grid of data points for various indoor and outdoor temperatures.

TC: Total capacity: kW
PI: Power input: kW (Compressor-Outdoor fan motor)
Notes: 1. [shaded box] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [boxed number] shows rated condition.

REYQ144TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Table with columns for Outdoor air temp, Indoor air temp, and Cooling Capacity (kW). Includes sub-sections for 130, 120, 110, 100, and 90 capacity ranges. Includes a legend for TC (Total capacity) and PI (Power input) and a list of notes.

REYQ168TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Main capacity table with columns for Outdoor air temp., Indoor air temp., and Capacity (kW and tons) for various combinations of conditions. Includes sub-sections for 130, 120, 110, 100, and 90 capacity ranges.

- TC: Total capacity: kW
PI: Power input: kW (Compressor-Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [boxed] shows rated condition.

REYQ192TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Table with columns for Outdoor air temp, Indoor air temp, and Capacity (kW). Includes sub-sections for 130, 120, 110, 100, and 90. Includes a legend for TC (Total capacity) and PI (Power input) and a list of notes.

REYQ216TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Combination	Outdoor air temp.	Indoor air temp. °CWB																		Combination	Outdoor air temp.	Indoor air temp. °CWB																																																																								
		13.9			16.1			17.8			19.4			21.1			22.2					23.9			13.9			16.1			17.8			19.4			21.1			22.2			23.9																																																			
		°CDB	TW	PI	°CDB	TW	PI	°CDB	TW	PI	°CDB	TW	PI	°CDB	TW	PI	°CDB	TW	PI			°CDB	TW	PI	°CDB	TW	PI	°CDB	TW	PI	°CDB	TW	PI	°CDB	TW	PI	°CDB	TW	PI																																																							
130	-5.0	48.3	5.95	61.9	7.30	7.30	9.05	8.23	10.6	8.74	10.9	8.86	10.6	9.05	10.2	-5.0	48.3	5.95	61.9	7.30	7.30	9.05	8.23	10.6	8.74	10.9	8.86	10.6	9.05	10.2	80	-5.0	48.3	5.95	61.9	7.30	7.30	9.05	8.23	10.6	8.74	10.9	8.86	10.6	9.05	10.2	70	-5.0	48.3	5.95	61.9	7.30	7.30	9.05	8.23	10.6	8.74	10.9	8.86	10.6	9.05	10.2	60	-5.0	48.3	5.95	61.9	7.30	7.30	9.05	8.23	10.6	8.74	10.9	8.86	10.6	9.05	10.2	50	-5.0	48.3	5.95	61.9	7.30	7.30	9.05	8.23	10.6	8.74	10.9	8.86	10.6	9.05	10.2

TC: Total capacity: kW  
 PI: Power input: kW (Compressor-Outdoor fan motor)  
 Notes: 1. [Shaded] is shown as reference.  
 2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.  
 3. [Boxed] shows rated condition.



REYQ240TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Table with columns for Outdoor air temp., Indoor air temp., and Capacity (kW). Includes sub-sections for 130, 120, 110, 100, and 90. Includes a legend for TC (Total capacity: kW) and P (Power input: kW) and a list of notes.

REYQ264TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Large data table with columns for Outdoor air temp, Indoor air temp, and Capacity (kW). Includes sub-sections for 130, 120, 110, 100, and 90 capacity ranges.

TC: Total capacity: kW
PI: Power input: kW (Compressor-Outdoor fan motor)
Notes: 1. [ ] is shown as reference.
2. This table shows the average value of conditions which may occur.
This table is based on projection. Actual results may vary according to conditions of use.
3. [ ] shows rated condition.

REYQ288TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Main data table with columns for Outdoor air temp, Indoor air temp, and Cooling Capacity (kW). Includes sub-sections for 130, 120, 110, 100, and 90 capacity ranges.

TC: Total capacity: kW
PI: Power input: kW (Compressor+Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur.
3. [boxed] shows rated condition.

REYQ312TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Table with columns for Outdoor air temp, Indoor air temp, and Cooling Capacity (kW). Includes sub-tables for combinations 130, 120, 110, 100, and 90. Includes a legend for TC (Total capacity) and PI (Power input) and notes on shading and boxes.

REYQ336TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Table with columns for Outdoor air temp, Indoor air temp, and Capacity (kW). Includes sub-sections for 130, 120, 110, 100, and 90. Includes a legend for TC (Total capacity) and PI (Power input) and a list of notes.

REYQ360TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Table with columns for Outdoor air temp, Indoor air temp, and Capacity (kW). Includes sub-sections for 130, 120, 110, 100, and 90 capacity ranges. Includes a legend for TC (Total capacity) and PI (Power input) and a list of notes.

REYQ384TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Table with columns for Outdoor air temp, Indoor air temp, and Cooling Capacity (kW) for various combinations of conditions. Includes sub-sections for 130, 120, 110, 100, and 90 capacity levels.

TC: Total capacity: kW
Power input: kW (Compressor-Outdoor fan motor)
Notes: 1. ... is shown as reference.
2. This table shows the average value of conditions which may occur.
3. ... shows rated condition.

REYQ408TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Large table with columns for Outdoor air temp., Indoor air temp., and Capacity (kW). Includes sub-sections for 130, 120, 110, 100, and 90 capacity ranges. Includes a legend for TC (Total capacity: kW) and PI (Power input: kW).



REYQ432TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Table with columns for Outdoor air temp, Indoor air temp, and Capacity (kW). Includes sub-sections for 130, 120, 110, 100, and 90 capacity ranges. Includes a legend for TC (Total capacity) and PI (Power input) and notes on projection and rated conditions.

REYQ456TAYDU Cooling Capacity for Standard Condition (Te: 6°C)

Combination	Outdoor air temp.	Indoor air temp. °CWB												Combination	Outdoor air temp.	Indoor air temp. °CWB																			
		13.9				16.1				17.8						21.1				22.2				23.9											
		TC	PI	KW	PI	TC	PI	KW	PI	TC	PI	KW	PI			TC	PI	KW	PI	TC	PI	KW	PI	TC	PI	KW	PI	TC	PI	KW	PI				
%	°CDB	KW	PI	KW	PI	KW	PI	KW	PI	KW	PI	KW	PI	KW	PI	KW	PI	KW	PI	KW	PI	KW	PI	KW	PI	KW	PI	KW	PI	KW	PI	KW	PI		
130	-5.0	101	18.7	130	22.2	151	28.2	173	31.6	183	32.6	186	31.8	190	30.6	-5.0	62.3	10.4	73.9	13.5	93.0	15.8	106	18.2	119	20.7	128	22.4	141	25.1	150	24.3			
	-1.1	101	17.2	130	22.2	151	27.7	173	31.6	183	32.6	186	31.8	190	30.6	-1.1	62.3	10.6	73.9	13.5	93.0	15.8	106	18.2	119	20.7	128	22.4	141	25.1	150	24.3			
	4.4	101	18.0	130	23.8	151	28.4	173	33.1	177	32.1	180	31.3	184	30.0	4.4	62.3	11.1	79.9	14.0	93.0	16.5	106	19.0	119	21.7	128	23.5	141	26.3	150	24.6			
	10.0	101	18.9	130	25.1	151	29.9	167	32.9	171	31.6	174	30.8	178	29.4	10.0	62.3	11.5	79.9	14.7	93.0	17.3	106	20.0	119	22.8	128	24.7	141	27.6	150	24.9			
	12.2	101	19.3	130	25.6	151	30.5	165	32.7	169	31.4	171	30.5	175	30.4	12.2	62.3	11.7	79.9	15.0	93.0	17.6	106	20.4	119	23.2	128	25.2	141	28.2	150	24.9			
	14.4	101	19.7	130	26.1	151	31.2	162	32.5	166	31.8	169	32.0	173	32.3	14.4	62.3	11.9	79.9	15.2	93.0	17.9	106	20.8	119	23.7	128	25.7	141	28.8	150	24.9			
	16.7	101	20.1	130	26.7	151	31.9	160	33.4	164	33.7	167	33.9	171	34.2	16.7	62.3	12.1	79.9	15.5	93.0	18.3	106	21.2	119	24.2	128	26.3	141	29.5	150	24.9			
	18.9	101	20.5	130	27.3	151	34.0	158	35.3	162	35.6	164	35.8	168	36.2	18.9	62.3	12.3	79.9	15.9	93.0	18.7	106	21.7	119	24.8	128	26.9	141	30.7	150	24.9			
	21.1	101	21.0	130	29.3	151	36.8	155	37.2	159	37.5	162	37.7	166	38.1	21.1	62.3	12.6	79.9	16.2	93.0	19.3	106	22.2	119	26.0	128	28.8	141	33.2	150	24.9			
	22.2	101	21.5	130	30.5	150	37.7	154	38.1	158	38.5	161	38.7	166	39.1	22.2	62.3	12.7	79.9	16.4	93.0	19.3	106	23.0	119	27.0	128	29.9	141	34.6	150	24.9			
	23.9	101	22.7	130	32.3	148	39.1	152	39.5	156	39.9	159	40.1	163	40.5	23.9	62.3	12.9	79.9	16.7	93.0	20.3	106	24.3	119	28.6	128	31.7	141	36.6	150	24.9			
	26.1	101	24.5	130	34.8	146	41.0	150	41.4	154	41.8	156	42.1	160	42.5	26.1	62.3	13.4	79.9	17.9	93.0	21.8	106	26.1	119	30.8	128	34.1	141	39.5	150	24.9			
	28.3	101	26.3	130	37.4	143	42.9	147	43.3	151	43.7	154	44.0	158	44.5	28.3	62.3	14.3	79.9	19.2	93.0	23.4	106	28.1	119	33.1	128	36.7	141	42.5	150	24.9			
	30.6	101	28.2	130	40.3	149	45.2	149	45.2	151	45.7	152	46.0	156	46.5	30.6	62.3	15.3	79.9	20.6	93.0	25.1	106	30.1	119	35.6	128	39.5	139	44.5	150	24.9			
	32.8	101	30.2	130	43.3	149	46.6	143	47.1	147	47.6	149	48.0	151	48.2	32.8	62.3	16.3	79.9	22.0	93.0	26.9	106	32.3	119	38.2	128	42.5	137	46.4	150	24.9			
	33.9	101	31.3	130	44.8	137	47.6	141	48.1	145	48.6	148	48.9	148	49.0	33.9	62.3	16.8	79.9	22.8	93.0	27.8	106	33.5	119	39.6	128	44.0	136	47.3	150	24.9			
	35.0	101	32.4	130	46.5	136	48.5	140	49.1	144	49.6	145	49.7	145	49.7	35.0	62.3	17.3	79.9	23.5	93.0	28.8	106	34.6	119	41.0	128	45.6	134	48.3	150	24.9			
	37.2	101	34.7	130	49.9	134	50.4	138	51.0	139	51.2	140	51.2	140	51.2	37.2	62.3	18.5	79.9	25.1	93.0	30.8	106	37.1	119	44.0	128	48.9	132	50.2	150	24.9			
	39.4	101	37.1	127	51.8	131	52.4	134	52.7	134	52.7	134	52.7	134	52.7	39.4	62.3	19.7	79.9	26.8	93.0	33.0	106	39.7	119	47.2	127	51.7	130	52.1	150	24.9			
	41.1	101	39.8	126	53.9	129	54.5	129	54.5	129	54.5	129	54.5	129	54.5	41.1	62.3	20.9	79.9	28.6	93.0	35.1	106	42.4	119	50.6	125	53.9	128	54.3	150	24.9			
43.3	101	43.2	123	56.9	123	56.9	123	56.9	123	56.9	123	56.9	123	56.9	43.3	62.3	22.3	79.9	31.1	93.0	37.1	106	46.3	119	54.0	127	57.7	128	57.7	150	24.9				
46.1	101	48.1	106	57.4	107	57.5	107	57.6	107	57.6	107	57.6	107	57.6	46.1	62.3	25.0	79.9	34.5	93.0	42.6	106	51.5	107	50.4	107	50.7	107	50.7	107	50.7	107	50.7		
47.8	101	48.5	92.5	48.6	92.8	48.7	93.0	48.8	93.2	48.8	93.4	48.9	93.6	48.9	47.8	62.3	26.6	79.9	36.6	92.8	48.7	93.0	48.8	93.2	48.8	93.4	48.9	93.6	48.9	93.6	48.9	93.6	48.9		
50.0	73.7	36.8	74.0	36.9	74.2	36.9	74.4	37.0	74.6	37.1	74.8	37.1	74.8	37.1	50.0	62.3	28.7	74.0	36.9	74.2	36.9	74.4	37.0	74.6	37.1	74.8	37.1	74.8	37.1	74.8	37.1	74.8	37.1	74.8	37.1

TC: Total capacity: kW  
 PI: Power input: kW (Compressor-Outdoor fan motor)  
 Notes: 1. [Shaded] is shown as reference.  
 2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.  
 3. [Bolder] shows rated condition.

9.2 Heating Capacity for Standard Condition (Tc: 115°F (46°C))

9.2.1 Fahrenheit

REYQ72TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Combination	Outdoor air temp.		Indoor air temp. °FDB												Combination	Outdoor air temp.		Indoor air temp. °FDB																			
			61				65				70							75				61				65				70				75			
			TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW				TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW
130	%	°FDB	°FWB	...																																	

TC: Total capacity: MBH  
 PI: Power input: kW (Compressor-Outdoor fan motor)  
 Notes: 1. [grey box] is shown as reference.  
 2. This table shows the average value of conditions which may occur.  
 This table is based on projection. Actual results may vary according to conditions of use.  
 3. [white box] shows rated condition.

REYQ96TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Main data table with columns for Combination, Outdoor air temp., Indoor air temp. °FDB, and Capacity (TC, PI) in MBH and kW. Includes sub-tables for 130, 120, 110, 100, and 90 capacity ranges.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)

- Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [boxed] shows rated condition.

REYQ120TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Large data table with columns for Outdoor air temp., Indoor air temp. °FDB, and Capacity (TC, PI) for various conditions. Includes sub-sections for 130, 120, 110, 100, and 90 BTU/h.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)
Notes: 1. [ ] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [ ] shows rated condition.



REYQ168TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Table with columns for Combination, Outdoor air temp., Indoor air temp. °FDB (61, 65, 68, 70, 72, 75), and Capacity (TC, PI, MBH, kW) for various conditions.

Table with columns for Combination, Outdoor air temp., Indoor air temp. °FDB (61, 65, 68, 70, 72, 75), and Capacity (TC, PI, MBH, kW) for various conditions.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)

- Notes: 1. is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. shows rated condition.

REYQ192TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Large table with columns for Combination, Outdoor air temp., Indoor air temp. °FDB, and Capacity (MBH, kW). Includes sub-sections for 130, 120, 110, 100, and 90 capacity ranges.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [boxed] shows rated condition.



REYQ216TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Large data table with columns for Outdoor air temp., Indoor air temp. °FDB, and Capacity (MBH, kW) for various combinations of conditions. Includes sub-sections for 130, 120, 110, 100, and 90 capacity levels.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)
Notes: 1. [ ] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [ ] shows rated condition.

REYQ240TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Combination	Outdoor air temp.	Indoor air temp. °FDB																Combination	Outdoor air temp.	Indoor air temp. °FDB																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		61				65				68				72						75				61				65				68				72				75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW			TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
130	-12.6	-13.0	150	12.0	149	13.5	148	14.6	148	15.3	148	16.0	147	17.1	-12.6	-13.0	146	19.5	145	20.4	145	21.1	145	21.5	144	22.0	144	22.7	-9.0	-9.4	156	19.9	156	20.7	155	21.4	155	22.3	155	22.7	155	23.3	155	23.7	155	24.3	155	24.9	155	25.5	155	26.1	155	26.7	155	27.3	155	27.9	155	28.5	155	29.1	155	29.7	155	30.3	155	30.9	155	31.5	155	32.1	155	32.7	155	33.3	155	33.9	155	34.5	155	35.1	155	35.7	155	36.3	155	36.9	155	37.5	155	38.1	155	38.7	155	39.3	155	39.9	155	40.5	155	41.1	155	41.7	155	42.3	155	42.9	155	43.5	155	44.1	155	44.7	155	45.3	155	45.9	155	46.5	155	47.1	155	47.7	155	48.3	155	48.9	155	49.5	155	50.1	155	50.7	155	51.3	155	51.9	155	52.5	155	53.1	155	53.7	155	54.3	155	54.9	155	55.5	155	56.1	155	56.7	155	57.3	155	57.9	155	58.5	155	59.1	155	59.7	155	60.3	155	60.9	155	61.5	155	62.1	155	62.7	155	63.3	155	63.9	155	64.5	155	65.1	155	65.7	155	66.3	155	66.9	155	67.5	155	68.1	155	68.7	155	69.3	155	69.9	155	70.5	155	71.1	155	71.7	155	72.3	155	72.9	155	73.5	155	74.1	155	74.7	155	75.3	155	75.9	155	76.5	155	77.1	155	77.7	155	78.3	155	78.9	155	79.5	155	80.1	155	80.7	155	81.3	155	81.9	155	82.5	155	83.1	155	83.7	155	84.3	155	84.9	155	85.5	155	86.1	155	86.7	155	87.3	155	87.9	155	88.5	155	89.1	155	89.7	155	90.3	155	90.9	155	91.5	155	92.1	155	92.7	155	93.3	155	93.9	155	94.5	155	95.1	155	95.7	155	96.3	155	96.9	155	97.5	155	98.1	155	98.7	155	99.3	155	99.9	155	100.5	155	101.1	155	101.7	155	102.3	155	102.9	155	103.5	155	104.1	155	104.7	155	105.3	155	105.9	155	106.5	155	107.1	155	107.7	155	108.3	155	108.9	155	109.5	155	110.1	155	110.7	155	111.3	155	111.9	155	112.5	155	113.1	155	113.7	155	114.3	155	114.9	155	115.5	155	116.1	155	116.7	155	117.3	155	117.9	155	118.5	155	119.1	155	119.7	155	120.3	155	120.9	155	121.5	155	122.1	155	122.7	155	123.3	155	123.9	155	124.5	155	125.1	155	125.7	155	126.3	155	126.9	155	127.5	155	128.1	155	128.7	155	129.3	155	129.9	155	130.5	155	131.1	155	131.7	155	132.3	155	132.9	155	133.5	155	134.1	155	134.7	155	135.3	155	135.9	155	136.5	155	137.1	155	137.7	155	138.3	155	138.9	155	139.5	155	140.1	155	140.7	155	141.3	155	141.9	155	142.5	155	143.1	155	143.7	155	144.3	155	144.9	155	145.5	155	146.1	155	146.7	155	147.3	155	147.9	155	148.5	155	149.1	155	149.7	155	150.3	155	150.9	155	151.5	155	152.1	155	152.7	155	153.3	155	153.9	155	154.5	155	155.1	155	155.7	155	156.3	155	156.9	155	157.5	155	158.1	155	158.7	155	159.3	155	159.9	155	160.5	155	161.1	155	161.7	155	162.3	155	162.9	155	163.5	155	164.1	155	164.7	155	165.3	155	165.9	155	166.5	155	167.1	155	167.7	155	168.3	155	168.9	155	169.5	155	170.1	155	170.7	155	171.3	155	171.9	155	172.5	155	173.1	155	173.7	155	174.3	155	174.9	155	175.5	155	176.1	155	176.7	155	177.3	155	177.9	155	178.5	155	179.1	155	179.7	155	180.3	155	180.9	155	181.5	155	182.1	155	182.7	155	183.3	155	183.9	155	184.5	155	185.1	155	185.7	155	186.3	155	186.9	155	187.5	155	188.1	155	188.7	155	189.3	155	189.9	155	190.5	155	191.1	155	191.7	155	192.3	155	192.9	155	193.5	155	194.1	155	194.7	155	195.3	155	195.9	155	196.5	155	197.1	155	197.7	155	198.3	155	198.9	155	199.5	155	200.1	155	200.7	155	201.3	155	201.9	155	202.5	155	203.1	155	203.7	155	204.3	155	204.9	155	205.5	155	206.1	155	206.7	155	207.3	155	207.9	155	208.5	155	209.1	155	209.7	155	210.3	155	210.9	155	211.5	155	212.1	155	212.7	155	213.3	155	213.9	155	214.5	155	215.1	155	215.7	155	216.3	155	216.9	155	217.5	155	218.1	155	218.7	155	219.3	155	219.9	155	220.5	155	221.1	155	221.7	155	222.3	155	222.9	155	223.5	155	224.1	155	224.7	155	225.3	155	225.9	155	226.5	155	227.1	155	227.7	155	228.3	155	228.9	155	229.5	155	230.1	155	230.7	155	231.3	155	231.9	155	232.5	155	233.1	155	233.7	155	234.3	155	234.9	155	235.5	155	236.1	155	236.7	155	237.3	155	237.9	155	238.5	155	239.1	155	239.7	155	240.3	155	240.9	155	241.5	155	242.1	155	242.7	155	243.3	155	243.9	155	244.5	155	245.1	155	245.7	155	246.3	155	246.9	155	247.5	155	248.1	155	248.7	155	249.3	155	249.9	155	250.5	155	251.1	155	251.7	155	252.3	155	252.9	155	253.5	155	254.1	155	254.7	155	255.3	155	255.9	155	256.5	155	257.1	155	257.7	155	258.3	155	258.9	155	259.5	155	260.1	155	260.7	155	261.3	155	261.9	155	262.5	155	263.1	155	263.7	155	264.3	155	264.9	155	265.5	155	266.1	155	266.7	155	267.3	155	267.9	155	268.5	155	269.1	155	269.7	155	270.3	155	270.9	155	271.5	155	272.1	155	272.7	155	273.3	155	273.9	155	274.5	155	275.1	155	275.7	155	276.3	155	276.9	155	277.5	155	278.1	155	278.7	155	279.3	155	279.9	155	280.5	155	281.1	155	281.7	155	282.3	155	282.9	155	283.5	155	284.1	155	284.7	155	285.3	155	285.9	155	286.5	155	287.1	155	287.7	155	288.3	155	288.9	155	289.5	155	290.1	155	290.7	155	291.3	155	291.9	155	292.5	155	293.1	155	293.7	155	294.3	155	294.9	155	295.5	155	296.1	155	296.7	155	297.3	155	297.9	155	298.5	155	299.1	155	299.7	155	300.3	155	300.9	155	301.5	155	302.1	155	302.7	155	303.3	155	303.9	155	304.5	155	305.1	155	305.7	155	306.3	155	306.9	155	307.5	155	308.1	155	308.7	155	309.3	155	309.9	155	310.5	155	311.1	155	311.7	155	312.3	155	312.9	155	313.5	155	314.1	155	314.7	155	315.3	155	315.9	155	316.5	155	317.1	155	317.7	155	318.3	155	318.9	155	319.5	155	320.1	155	320.7	155	321.3	155	321.9	155	322.5	155	323.1	155	323.7	155	324.3	155	324.9	155	325.5	155	326.1	155	326.7	155	327.3	155	327.9	155	328.5	155	329.1	155	329.7	155	330.3	155	330.9	155	331.5	155	332.1	155	332.7	155	333.3	155	333.9	155	334.5	155	335.1	155	335.7	155	336.3	155	336.9	155	337.5	155	338.1	155	338.7	155	339.3	155	339.9	155	340.5	155	341.1	155	341.7	155	342.3	155	342.9	155	343.5	155	344.1	155	344.7	155	345.3	155	345.9	155	346.5	155	347.1	155	347.7	155	348.3	155	348.9	155	349.5	155	350.1	155	350.7	155	351.3	155	351.9	155	352.5	155	353.1	155	353.7	155	354.3	155	354.9	155	355.5	155	356.1	155	356.7	155	357.3	155	357.9	155	358.5	155	359.1	155	359.7	155	360.3	155	360.9	155	361.5	155	362.1	155	362.7	155	363.3	155	363.9	155	364.5	155	365.1	155	365.7	155

REYQ264TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Large data table with columns for Outdoor air temp., Indoor air temp., and Capacity (MBH, kW) for various combinations of conditions. Includes sub-tables for 130, 120, 110, 100, and 90 capacity levels.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [shaded] shows rated condition.

REYQ288TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Combination	Outdoor air temp.	Indoor air temp. °FDB																				
		61				65				68				72				75				
		°FDB	°FWB	TC	PI	°FDB	°FWB	TC	PI	°FDB	°FWB	TC	PI	°FDB	°FWB	TC	PI	°FDB	°FWB	TC	PI	
130	-12.6	-13.0	174	13.9	173	15.8	173	17.2	18.1	172	18.1	172	19.0	171	20.4							
	-9.0	-9.4	187	14.6	186	16.5	185	17.8	18.7	184	18.7	184	19.6	183	20.9							
	-3.64	-4.0	208	15.7	207	17.5	206	18.8	206	19.6	205	20.5	204	21.8								
	-1.84	-2.2	212	16.2	211	17.9	210	19.1	209	20.0	209	20.9	208	22.1								
	5.5	5.0	229	18.0	228	19.5	227	20.7	226	21.5	226	22.3	225	23.5								
	9.5	8.5	238	18.9	237	20.4	236	21.5	236	22.3	235	23.0	235	24.1								
	13.0	12.0	249	19.8	248	21.2	247	22.3	246	23.0	246	23.7	245	24.8								
	15.0	14.0	255	20.3	254	21.7	253	22.8	253	23.5	252	24.2	252	25.2								
	17.0	15.5	260	20.7	259	22.1	258	23.1	258	23.8	257	24.5	257	25.5								
	19.0	18.0	269	21.3	268	22.7	267	23.7	267	24.3	266	25.0	265	26.0								
	22.0	20.0	276	21.9	275	23.1	275	24.1	274	24.7	274	25.4	273	26.3								
	26.0	24.0	292	22.8	291	24.0	290	25.0	290	25.7	289	26.2	288	27.1								
30.0	28.0	309	23.8	308	24.9	307	25.8	307	26.5	306	26.9	306	27.8									
35.0	32.0	327	24.7	326	25.8	326	26.6	325	27.1	325	27.6	324	28.4									
39.0	36.0	347	25.5	346	26.5	345	27.3	344	27.8	344	28.3	343	29.1									
44.0	40.0	367	26.3	366	27.3	366	28.0	365	28.5	365	29.0	364	29.7									
47.0	43.0	384	26.9	383	27.8	382	28.5	381	29.0	381	29.4	374	29.4									
51.0	47.0	407	27.6	406	28.5	405	29.1	404	29.6	402	29.8	374	27.3									
54.0	50.0	424	28.1	423	29.0	423	29.6	421	29.9	402	28.2	374	25.8									
57.0	53.0	443	28.6	442	29.4	440	29.9	421	28.3	402	26.8	374	24.5									
60.0	56.0	462	29.1	461	29.8	440	28.3	421	26.8	402	25.4	374	23.3									
120	-12.6	-13.0	173	13.8	173	15.7	172	17.1	18.0	171	18.0	171	18.9	170	20.3							
	-9.0	-9.4	186	14.5	185	16.1	184	17.4	184	20.2	183	21.1	183	22.3								
	-3.64	-4.0	207	15.6	206	17.1	205	20.3	205	21.1	204	21.9	204	23.1								
	-1.84	-2.2	211	16.1	210	18.5	209	20.7	208	21.5	208	22.3	207	23.4								
	5.5	5.0	227	17.6	226	19.1	226	22.1	225	22.9	225	23.6	224	24.7								
	9.5	8.5	237	18.4	236	20.0	235	22.9	235	23.6	234	24.3	234	25.3								
	13.0	12.0	248	19.3	247	21.6	246	23.6	246	24.3	245	24.9	244	25.9								
	15.0	14.0	254	19.8	253	23.1	252	24.0	252	24.7	252	25.3	251	26.3								
	17.0	15.5	259	22.1	258	23.4	258	24.3	257	25.0	257	25.6	256	26.5								
	19.0	18.0	268	22.7	267	23.9	266	24.9	266	25.5	265	26.1	265	27.0								
	22.0	20.0	275	23.2	274	24.4	274	25.3	273	25.8	273	26.4	273	27.3								
	26.0	24.0	291	24.1	290	25.2	289	26.0	289	26.6	289	27.2	288	28.0								
30.0	28.0	308	25.0	307	26.0	306	26.8	306	27.3	305	27.9	305	28.7									
35.0	32.0	326	25.8	325	26.8	325	27.5	324	28.0	324	28.5	323	29.3									
39.0	36.0	346	26.6	345	27.5	344	28.2	344	28.7	343	29.2	342	29.9									
44.0	40.0	366	27.3	365	28.2	365	28.9	364	29.3	364	29.7	345	28.1									
47.0	43.0	383	27.8	382	28.7	381	29.1	381	29.7	371	29.1	345	26.6									
51.0	47.0	405	28.5	404	29.3	404	29.9	389	28.6	371	27.0	345	24.8									
54.0	50.0	423	29.0	422	29.7	406	28.6	389	27.1	371	25.6	345	23.5									
57.0	53.0	442	29.4	432	29.2	406	27.1	389	25.7	371	24.3	345	22.3									
60.0	56.0	461	29.9	432	27.7	406	25.7	389	24.4	371	23.1	345	21.2									
110	-12.6	-13.0	172	13.7	172	15.6	171	17.0	17.9	171	17.9	171	18.8	170	20.1							
	-9.0	-9.4	185	14.4	184	16.0	183	17.3	183	21.1	182	22.0	182	23.7								
	-3.64	-4.0	206	15.5	205	17.0	204	19.9	204	22.6	204	23.4	203	24.5								
	-1.84	-2.2	210	16.0	209	18.5	208	22.2	208	22.9	207	23.7	207	24.7								
	5.5	5.0	226	17.5	225	19.0	225	22.0	224	22.2	224	22.9	223	25.9								
	9.5	8.5	236	18.3	235	20.0	235	24.2	234	24.9	234	25.5	233	26.4								
	13.0	12.0	247	19.2	246	21.4	245	24.9	245	25.5	244	26.1	244	27.0								
	15.0	14.0	253	19.7	252	23.4	252	25.3	251	25.9	251	26.5	250	27.3								
	17.0	15.5	258	22.5	257	24.4	256	26.3	256	26.1	256	26.7	255	27.6								
	19.0	18.0	267	23.1	266	25.2	265	26.0	265	26.6	265	27.2	264	28.0								
	22.0	20.0	274	24.5	273	25.6	273	26.4	272	27.0	272	27.5	271	28.3								
	26.0	24.0	290	25.3	289	26.4	289	27.1	288	27.6	288	28.2	287	28.9								
30.0	28.0	307	26.1	306	27.1	306	27.8	305	28.3	305	28.8	304	29.5									
35.0	32.0	325	26.9	324	27.8	324	28.5	323	29.0	323	29.4	317	29.3									
39.0	36.0	345	27.6	344	28.5	343	29.1	343	29.6	340	29.7	317	27.2									
44.0	40.0	365	28.3	364	29.1	364	29.7	356	29.2	340	27.6	317	25.3									
47.0	43.0	382	28.8	381	29.6	372	29.2	356	27.6	340	26.2	317	24.0									
51.0	47.0	404	29.4	396	29.3	372	27.1	356	25.7	340	24.3	317	23.3									
54.0	50.0	422	29.8	396	27.7	372	25.7	356	24.4	340	23.1	317	21.2									
57.0	53.0	428	29.9	396	26.3	372	24.4	356	23.1	340	21.9	317	20.2									
60.0	56.0	428	27.3	396	24.9	372	23.1	356	22.0	340	20.8	317	19.2									
100	-12.6	-13.0	171	13.6	171	15.5	170	16.9	17.8	170	17.8	170	18.7	169	20.0							
	-9.0	-9.4	184	14.3	183	16.1	182	17.2	182	20.3	181	21.1	181	22.5								
	-3.64	-4.0	204	15.4	203	17.0	203	19.9	203	24.1												

REYQ312TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Large data table with columns for Outdoor air temp., Indoor air temp., and Capacity (MBH, kW) for various combinations of conditions. Includes sub-sections for REYQ312TAYDU and REYQ-TAYDU Heating Capacity (460 V).

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)
Notes: 1. [Symbol] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [Symbol] shows rated condition.

REYQ336TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Combination	Outdoor air temp.		Indoor air temp. °FDB																									
			61				65				68				72				75									
			TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW						
130	-12.6	-13.0	187	12.5	186	14.9	185	16.6	185	17.8	184	19.0	183	20.7	-12.6	-13.0	182	24.6	181	26.1	180	27.1	180	27.9	180	28.6	179	29.7
	-9.0	-9.4	201	13.4	199	15.9	199	17.3	198	18.5	197	19.6	197	21.3	-9.0	-9.4	195	25.1	194	26.6	193	27.6	193	28.3	193	29.0	192	30.1
	-3.64	-4.0	223	14.8	222	17.0	221	18.6	221	19.7	220	20.8	-3.64	-4.0	217	26.1	216	27.4	216	28.4	215	29.1	215	29.7	215	30.7		
	-1.84	-2.2	227	15.4	226	17.5	225	19.1	224	20.2	224	21.2	223	22.8	-1.84	-2.2	221	26.4	220	27.7	220	28.7	219	29.3	219	30.0	218	31.0
	5.5	5.0	245	17.6	244	19.6	243	21.1	242	22.0	242	23.0	241	24.5	5.5	5.0	239	27.8	238	29.0	238	29.9	237	30.5	237	31.1	236	32.0
	9.5	8.5	255	18.8	254	20.6	253	22.1	253	23.0	252	23.9	251	25.3	9.5	8.5	249	28.5	248	29.7	248	30.5	248	31.1	247	31.7	247	32.5
	13.0	12.0	267	19.9	265	21.7	265	23.0	264	23.9	263	24.8	262	26.2	13.0	12.0	260	29.2	260	30.3	259	31.1	259	31.7	258	32.2	258	33.1
	15.0	14.0	274	20.6	272	22.3	271	23.6	271	24.5	270	25.4	269	26.7	15.0	14.0	267	29.6	267	30.7	266	31.5	266	32.0	265	32.6	265	33.4
	17.0	15.5	279	21.0	278	22.8	277	24.0	276	24.9	276	25.8	275	27.0	17.0	15.5	273	29.9	272	31.0	271	31.7	271	32.3	271	32.8	269	33.3
	19.0	18.0	288	21.8	287	23.5	286	24.7	286	25.6	285	26.4	284	27.6	19.0	18.0	282	30.4	281	31.4	281	32.2	280	32.7	280	33.2	279	34.1
	22.0	20.0	296	22.5	295	24.1	294	25.3	294	26.1	293	26.9	292	28.1	22.0	20.0	290	30.8	289	31.8	289	32.5	288	33.0	288	33.5	289	34.8
	26.0	24.0	313	23.7	312	25.2	311	26.4	310	27.1	310	27.9	309	30.0	26.0	24.0	307	31.5	306	32.5	306	33.2	305	33.7	305	34.2	304	35.1
	30.0	28.0	331	24.9	330	26.3	329	27.4	328	28.1	328	28.8	30.0	28.0	325	32.3	324	33.2	324	33.8	323	34.3	323	34.8	322	35.7		
	35.0	32.0	351	26.0	349	27.3	348	28.4	348	29.0	347	29.7	346	30.7	35.0	32.0	344	33.0	343	33.8	343	34.4	342	34.9	342	35.4	341	36.3
	39.0	36.0	371	27.1	370	28.3	369	29.3	369	29.9	368	30.6	367	31.5	39.0	36.0	363	33.4	363	34.1	362	34.6	362	35.1	361	35.6	360	36.5
	44.0	40.0	393	28.1	392	29.3	391	30.2	391	30.8	390	31.4	389	32.3	44.0	40.0	383	31.0	383	31.7	382	32.3	382	32.8	381	33.3	380	33.8
	47.0	43.0	411	28.8	409	29.9	409	30.8	408	31.4	407	31.9	406	32.8	47.0	43.0	396	29.4	396	29.9	395	30.4	395	30.9	394	31.4	393	31.9
	51.0	47.0	435	29.7	434	30.8	433	31.6	432	32.1	432	32.7	431	33.5	51.0	47.0	416	30.6	416	31.1	415	31.6	415	32.1	414	32.6	413	33.1
	54.0	50.0	454	30.3	453	31.4	452	32.1	451	32.6	451	33.2	437	34.2	54.0	50.0	436	31.4	436	31.9	435	32.4	435	32.9	434	33.4	433	33.9
	57.0	53.0	474	30.9	473	31.9	472	32.7	471	33.2	469	33.5	437	34.7	57.0	53.0	456	32.5	456	33.0	455	33.5	454	34.0	453	34.5	452	35.0
60.0	56.0	495	31.5	493	32.5	492	33.2	491	33.6	469	31.8	437	34.9	60.0	56.0	477	32.6	477	33.1	476	33.6	475	34.1	474	34.6	473	35.1	
120	-12.6	-13.0	186	14.3	185	16.1	184	18.4	184	19.8	183	20.9	183	22.5	-12.6	-13.0	180	27.0	180	28.3	179	29.3	179	29.9	179	30.5	178	31.5
	-9.0	-9.4	198	15.7	198	17.8	198	19.4	197	20.4	196	21.5	196	23.1	-9.0	-9.4	193	27.5	193	28.7	192	29.7	192	30.3	192	30.9	191	31.8
	-3.64	-4.0	222	17.1	221	19.1	220	20.6	220	21.6	219	22.6	218	24.1	-3.64	-4.0	216	28.3	215	29.5	215	30.4	214	30.9	214	31.5	214	32.4
	-1.84	-2.2	226	17.6	225	19.5	224	21.0	223	22.0	223	23.0	222	24.5	-1.84	-2.2	220	28.6	219	29.7	219	30.6	218	31.2	218	31.8	217	32.6
	5.5	5.0	244	19.7	243	21.5	242	22.8	241	23.7	241	24.6	240	26.0	5.5	5.0	238	29.8	237	30.9	237	31.7	236	32.2	236	32.7	235	33.5
	9.5	8.5	254	20.7	253	22.4	252	23.7	252	24.6	251	25.5	250	26.8	9.5	8.5	248	30.4	247	31.5	247	32.2	246	32.7	246	33.2	245	34.1
	13.0	12.0	265	21.8	264	23.4	263	24.7	263	25.5	262	26.3	262	27.6	13.0	12.0	259	31.1	259	32.0	258	32.8	258	33.2	258	33.7	257	34.6
	15.0	14.0	272	22.4	271	24.0	270	25.2	270	26.0	269	26.8	268	28.0	15.0	14.0	266	31.4	265	32.4	265	33.1	265	33.5	265	34.0	264	35.0
	17.0	15.5	278	22.8	277	24.4	276	25.6	275	26.4	274	27.2	274	28.3	17.0	15.5	272	31.7	271	32.6	270	33.3	269	33.7	269	34.2	268	35.1
	19.0	18.0	287	23.5	286	25.1	285	26.2	285	27.0	284	27.8	283	29.0	19.0	18.0	281	32.1	280	33.0	279	33.7	278	34.1	278	34.6	277	35.5
	22.0	20.0	295	24.1	294	25.6	293	26.7	293	27.5	292	28.2	291	29.3	22.0	20.0	289	32.5	288	33.3	287	33.9	286	34.3	285	34.8	284	35.7
	26.0	24.0	312	25.3	311	26.7	310	27.7	309	28.4	309	29.1	308	30.2	26.0	24.0	306	33.1	304	34.1	304	34.8	303	35.2	303	35.7	302	36.6
	30.0	28.0	330	26.4	329	27.7	328	28.7	327	29.3	327	30.0	326	31.0	30.0	28.0	318	32.8	316	33.8	316	34.5	315	34.9	314	35.4	313	36.3
	35.0	32.0	349	27.4	348	28.6	347	29.6	347	30.2	346	30.8	345	31.8	35.0	32.0	318	30.5	316	31.5	316	32.2	315	32.6	314	33.1	313	34.0
	39.0	36.0	370	28.4	369	29.6	368	30.4	367	31.0	367	31.6	366	32.5	39.0	36.0	318	28.4	316	29.4	316	30.1	315	30.6	314	31.1	313	32.0
	44.0	40.0	392	29.3	391	30.4	390	31.2	390	31.8	389	32.3	388	33.2	44.0	40.0	318	26.5	316	27.4	316	28.1	315	28.6	314	29.1	313	29.6
	47.0	43.0	409	30.0	408	31.0	407	31.8	407	32.3	406	32.9	403	33.3	47.0	43.0	318	25.2	316	26.1	316	26.8	315	27.3	314	27.8	313	28.3
	51.0	47.0	434	30.8	433	31.8	432	32.5	431	33.0	431	33.5	403	31.0	51.0	47.0	318	23.5	316	24.4	316	25.1	315	25.6	314	26.1	313	26.6
	54.0	50.0	453	31.4	452	32.3	451	33.1	450	33.5	433	32.1	403	29.4	54.0	50.0	318	21.3	316	22.2	316	22.9	315	23.4	314	23.9	313	24.4
	57.0	53.0	473	32.0	472	32.9	471	33.5	454	32.2	433	30.4	403	27.9	57.0	53.0	318	19.6	316	20.5	316	21.2	315	21.7	314	22.2	313	22.7
60.0	56.0	493	32.5	492	33.4	474	32.1	454	30.5	433	29.9	403	26.5	60.0	56.0	318	18.0	316	18.9	316	19.6	315	20.1	314	20.6	313	21.1	
110	-12.6	-13.0	185	17.4	184	19.3	183	20.8	182	21.8	182	22.8	182	24.3	-12.6	-13.0	178	19.9	178	21.3	178	22.7	178	24.1	178	25.5	177	27.0
	-9.0	-9.4	198	18.1	197	20.0	196	21.4	196	22.4	196	23.4	195	24.8	-9.0	-9.4	192	20.9	192	22.3	192	23.7	192	25.1	192	26.5	191	28.0
	-3.64	-4.0	221	19.3	220	21.2	219	22.5	219	23.5	218	24.4	217	25.7	-3.64	-4.0	215	20.6	214	22.0	214	23.4	214	24.8	214	26.2	213	27.6
	-1.84	-2.2	225	19.8	224	21.6	223	22.9	223	23.8	222	24.7	221	26.1	-1.84	-2.2	218	21.8	218	23.2	218	24.6	218	26.0	217	27.4	217	28.8
	5.5	5.0	243	21.7	242	23.3	241	24.6	240	25.4	240	26.3	239	27.5	5.5	5.0	236	23.0	236	24.4	236	25.8	236	27.2	235	28.6	234	30.0
	9.5	8.5	253	22.7	252	24.2	251	25.4	251	26.2	250	27.0	249	28.2	9.5	8.5	247	32.4	246	33.3	246</							

REYQ360TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Table with columns for Combination, Outdoor air temp., Indoor air temp. °FDB, and capacity values (TC, PI, MBH, kW) for various conditions (61, 65, 68, 72, 75).

Table with columns for Combination, Outdoor air temp., Indoor air temp. °FDB, and capacity values (TC, PI, MBH, kW) for various conditions (61, 65, 68, 72, 75).

TC: Total capacity; MBH
PI: Power input; kW (Compressor+Outdoor fan motor)

- Notes: 1. [shaded box] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [unshaded box] shows rated condition.

REYQ384TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Combi- nation	Outdoor air temp.	Indoor air temp. °FDB																Combi- nation	Outdoor air temp.	Indoor air temp. °FDB																							
		61				65				68				72						75				61				65				68				72				75			
		TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW			TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW	TC	PI	MBH	kW				
130	-12.6	-13.0	225	16.9	224	19.4	223	21.4	223	22.6	222	23.9	221	25.8	-12.6	-13.0	219	30.1	218	31.6	218	32.8	217	33.6	217	33.6	217	33.6	217	33.6	217	33.6	217	33.6	217	33.6	217	33.6					
	-9.0	-9.4	242	17.8	240	20.3	239	22.2	239	23.4	238	24.6	237	26.5	-9.0	-9.4	235	30.6	234	32.2	233	33.3	233	33.3	233	33.3	233	33.3	233	33.3	233	33.3	233	33.3	233	33.3	233	33.3	233	33.3			
	-3.64	-4.0	269	19.4	268	21.8	267	23.6	266	24.7	265	25.9	264	27.7	-3.64	-4.0	262	31.6	261	33.1	260	34.2	260	34.9	260	35.6	260	35.6	260	35.6	260	35.6	260	35.6	260	35.6	260	35.6	260	35.6			
	-1.84	-2.2	274	20.0	272	22.3	271	24.1	271	25.2	270	26.4	269	28.1	-1.84	-2.2	267	32.0	266	33.4	265	34.5	265	35.2	265	35.2	265	35.2	265	35.2	265	35.2	265	35.2	265	35.2	265	35.2	265	35.2			
	5.5	5.0	295	22.5	294	24.6	293	26.2	292	27.3	292	28.3	291	29.9	5.5	5.0	288	33.5	287	34.8	287	35.8	286	36.5	286	36.5	286	36.5	286	36.5	286	36.5	286	36.5	286	36.5	286	36.5	286	36.5			
	9.5	8.5	308	23.7	306	25.7	305	27.3	305	28.3	304	29.3	303	30.9	9.5	8.5	301	34.3	300	35.5	299	36.5	299	37.1	298	37.8	298	37.8	298	37.8	298	37.8	298	37.8	298	37.8	298	37.8	298	37.8			
	13.0	12.0	321	24.9	320	26.9	319	28.4	318	29.3	318	30.3	317	31.8	13.0	12.0	314	35.1	314	36.3	313	37.2	312	37.8	312	37.8	312	37.8	312	37.8	312	37.8	312	37.8	312	37.8	312	37.8	312	37.8			
	15.0	14.0	330	25.7	328	27.6	327	29.0	327	29.9	326	30.9	325	32.3	15.0	14.0	323	35.5	322	36.7	321	37.5	321	38.1	320	38.7	320	38.7	320	38.7	320	38.7	320	38.7	320	38.7	320	38.7	320	38.7			
	17.0	15.5	336	26.2	335	28.0	334	29.4	333	30.4	333	31.3	332	32.7	17.0	15.5	329	35.8	328	37.0	327	37.8	327	38.4	327	39.0	327	39.0	327	39.0	327	39.0	327	39.0	327	39.0	327	39.0	327	39.0			
	19.0	18.0	348	27.0	346	28.9	345	30.2	345	31.1	344	32.0	343	33.4	19.0	18.0	341	36.4	340	37.5	339	38.3	339	38.9	339	39.3	339	39.3	339	39.3	339	39.3	339	39.3	339	39.3	339	39.3	339	39.3			
	22.0	20.0	357	27.7	356	29.5	355	30.8	354	31.7	353	32.5	352	33.9	22.0	20.0	350	36.8	349	37.9	349	38.7	348	39.3	348	39.6	348	39.6	348	39.6	348	39.6	348	39.6	348	39.6	348	39.6	348	39.6			
	26.0	24.0	378	29.1	376	30.7	375	32.0	374	32.9	374	33.6	373	34.9	26.0	24.0	370	37.6	370	38.6	369	39.1	369	39.6	369	40.0	369	40.0	369	40.0	369	40.0	369	40.0	369	40.0	369	40.0	369	40.0			
30.0	28.0	399	30.4	398	31.9	397	33.1	396	33.9	396	34.6	395	35.8	30.0	28.0	392	38.4	392	39.4	391	40.0	390	40.5	390	41.0	390	41.0	390	41.0	390	41.0	390	41.0	390	41.0	390	41.0	390	41.0				
35.0	32.0	423	31.6	422	33.0	420	34.1	420	34.9	419	35.6	418	36.7	35.0	32.0	415	39.1	415	40.1	414	40.8	413	41.3	413	41.3	413	41.3	413	41.3	413	41.3	413	41.3	413	41.3	413	41.3						
39.0	36.0	448	32.7	447	34.1	446	35.2	445	35.8	444	36.5	443	37.6	39.0	36.0	415	39.3	415	40.3	414	40.7	413	41.3	413	41.3	413	41.3	413	41.3	413	41.3	413	41.3	413	41.3	413	41.3						
44.0	40.0	475	33.8	473	35.1	472	36.1	471	36.8	471	37.4	470	38.4	44.0	40.0	415	38.8	415	39.8	414	40.1	413	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7						
47.0	43.0	496	34.6	494	35.9	493	36.8	493	37.4	492	38.0	491	39.0	47.0	43.0	415	39.0	415	40.0	414	40.3	413	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7						
51.0	47.0	525	35.6	524	36.8	523	37.6	522	38.2	521	38.8	499	37.2	51.0	47.0	415	39.0	415	40.0	414	40.3	413	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7						
54.0	50.0	548	36.3	547	37.4	546	38.3	545	38.8	537	38.5	499	35.2	54.0	50.0	415	39.0	415	40.0	414	40.3	413	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7						
57.0	53.0	572	37.0	571	38.0	570	38.8	568	39.6	537	36.5	499	33.4	57.0	53.0	415	39.0	415	40.0	414	40.3	413	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7						
60.0	56.0	597	37.6	596	38.6	595	39.5	592	40.5	537	34.6	499	31.7	60.0	56.0	415	39.0	415	40.0	414	40.3	413	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7	412	40.7						
120	-12.6	-13.0	224	18.5	223	21.9	222	23.8	222	24.8	221	26.0	220	27.8	-12.6	-13.0	218	32.7	217	34.1	217	35.1	216	35.8	216	35.8	216	35.8	216	35.8	216	35.8	216	35.8	216	35.8	216	35.8					
	-9.0	-9.4	240	20.4	239	22.7	238	24.4	237	25.5	237	26.7	236	28.4	-9.0	-9.4	234	33.2	233	34.5	232	35.2	232	35.2	232	35.2	232	35.2	232	35.2	232	35.2	232	35.2	232	35.2	232	35.2	232	35.2			
	-3.64	-4.0	268	21.9	266	24.0	265	25.7	265	26.8	264	27.9	263	29.5	-3.64	-4.0	261	34.1	260	35.4	259	36.3	259	36.9	259	37.5	259	37.5	259	37.5	259	37.5	259	37.5	259	37.5	259	37.5	259	37.5			
	-1.84	-2.2	272	22.4	271	24.5	270	26.1	269	27.2	269	28.3	268	29.9	-1.84	-2.2	265	34.4	264	35.6	264	36.6	263	37.2	263	37.8	263	37.8	263	37.8	263	37.8	263	37.8	263	37.8	263	37.8	263	37.8			
	5.5	5.0	294	24.7	293	26.6	292	28.1	291	29.1	291	30.1	290	31.6	5.5	5.0	287	35.7	286	36.9	286	37.7	285	38.3	285	38.9	285	38.9	285	38.9	285	38.9	285	38.9	285	38.9	285	38.9	285	38.9			
	9.5	8.5	306	25.8	305	27.7	304	29.1	304	30.1	303	31.0	302	32.4	9.5	8.5	299	36.4	299	37.5	298	38.3	298	38.9	298	39.5	298	39.5	298	39.5	298	39.5	298	39.5	298	39.5	298	39.5	298	39.5			
	13.0	12.0	320	27.0	319	28.8	318	30.1	317	31.0	317	31.9	316	33.3	13.0	12.0	313	37.1	312	38.1	312	38.9	312	39.5	312	39.5	312	39.5	312	39.5	312	39.5	312	39.5	312	39.5	312	39.5					
	15.0	14.0	328	27.6	327	29.4	326	30.7	326	31.6	325	32.5	324	33.8	15.0	14.0	321	37.5	321	38.5	320	39.2	320	39.8	320	40.4	320	40.4	320	40.4	320	40.4	320	40.4	320	40.4	320	40.4					
	17.0	15.5	335	28.1	334	29.8	333	31.1	332	32.0	331	32.8	331	34.1	17.0	15.5	328	37.8	327	38.8	326	39.6	326	40.2	326	40.8	326	40.8	326	40.8	326	40.8	326	40.8	326	40.8	326	40.8					
	19.0	18.0	346	28.9	345	30.6	344	31.8	343	32.7	343	33.5	342	34.7	19.0	18.0	339	38.2	338	39.2	337	40.1	337	40.7	337	41.2	337	41.2	337	41													



REYQ408TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Table with columns for Outdoor air temp., Indoor air temp. °FDB, and Capacity (TC, PI) for various combinations of conditions. Includes sub-tables for 130, 120, 110, and 100 capacity levels.

Table with columns for Outdoor air temp., Indoor air temp. °FDB, and Capacity (TC, PI) for various combinations of conditions. Includes sub-tables for 80, 70, 60, and 50 capacity levels.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)
Notes: 1. is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. shows rated condition.

REYQ432TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Large data table with columns for Combination, Outdoor air temp., Indoor air temp. °FDB, and Capacity (TC, PI) for various conditions (61, 65, 68, 70, 72, 75). Includes notes for TC, PI, and Notes.

REYQ456TAYDU Heating Capacity for Standard Condition (Tc: 115°F)

Large data table with columns for Combination, Outdoor air temp., Indoor air temp. °FDB, and Capacity (MBH, kW) for various conditions. Includes sub-sections for 130, 120, 110, 100, and 90 capacity levels.

TC: Total capacity: MBH
PI: Power input: kW (Compressor+Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [boxed] shows rated condition.

9.2.2 Celsius

REYQ72TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Main data table with columns for outdoor air temperature, indoor air temperature (16.1 to 23.9 °CDB), and capacity values (kW) for various combinations of total capacity (TC) and power input (PI). Includes a smaller table on the right side.

TC: Total capacity: kW
PI: Power input: kW (Compressor+Outdoor fan motor)
Notes:
1. [shaded box] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [shaded box] shows rated condition.

REYQ96TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Table with columns for Outdoor air temp., Indoor air temp. °CDB (16.1, 18.3, 20.0, 21.1, 22.2, 23.9), and Capacity (kW, PI). Rows are categorized by combination (130, 120, 110, 100, 90) and outdoor air temperature ranges.

Table with columns for Outdoor air temp., Indoor air temp. °CDB (16.1, 18.3, 20.0, 21.1, 22.2, 23.9), and Capacity (kW, PI). Rows are categorized by combination (80, 70, 60, 50) and outdoor air temperature ranges.

TC: Total capacity; kW

PI: Power input; kW (Compressor+Outdoor fan motor)

Notes: 1. [shaded] is shown as reference.

2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.

3. [boxed] shows rated condition.

REYQ120TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Combination	Outdoor air temp. °CDB	Indoor air temp. °CDB																			
		16.1				18.3				20.0				22.2				23.9			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI				
130	-24.8 -25.0 -22.8 -23.0 -19.8 -20.0 -18.8 -19.0 -14.7 -15.0 -12.5 -13.1 -10.6 -11.1 -9.4 -10.0 -8.3 -9.2 -7.2 -7.8 -5.6 -6.2 -3.3 -4.4 -1.1 -2.2 1.7 0.0 3.9 2.2 6.7 4.4 8.3 6.1 10.6 8.3 12.2 10.0 13.9 11.7 15.6 13.3	20.9 22.4 25.0 25.4 27.4 28.6 29.8 30.6 31.2 32.3 33.2 35.0 37.1 39.2 41.6 44.0 46.0 47.0 48.7 50.9 53.1 55.4	5.05 5.31 5.76 5.93 6.23 6.98 7.33 7.53 7.68 7.93 8.13 8.51 8.87 9.22 9.55 9.86 10.1 10.4 10.6 10.9 11.1 11.2	20.8 20.7 20.6 20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7	6.77 6.54 6.31 6.25 6.22 6.20 6.18 6.16 6.14 6.12 6.10 6.08 6.06 6.04 6.02 6.00 5.98 5.96 5.94 5.92 5.90 5.88	20.7 20.6 20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6	6.31 6.07 5.84 5.78 5.75 5.73 5.71 5.69 5.67 5.65 5.63 5.61 5.59 5.57 5.55 5.53 5.51 5.49 5.47 5.45 5.43 5.41	20.6 20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6 18.5	6.68 6.44 6.21 6.15 6.12 6.10 6.08 6.06 6.04 6.02 6.00 5.98 5.96 5.94 5.92 5.90 5.88 5.86 5.84 5.82 5.80	20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6 18.5	7.04 6.79 6.56 6.50 6.47 6.45 6.43 6.41 6.39 6.37 6.35 6.33 6.31 6.29 6.27 6.25 6.23 6.21 6.19 6.17 6.15 6.13	20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6 18.5 18.4 18.3 18.2 18.1 18.0 17.9	7.58 7.33 7.10 7.04 7.01 6.99 6.97 6.95 6.93 6.91 6.89 6.87 6.85 6.83 6.81 6.79 6.77 6.75 6.73 6.71 6.69 6.67								
120	-24.8 -25.0 -22.8 -23.0 -19.8 -20.0 -18.8 -19.0 -14.7 -15.0 -12.5 -13.1 -10.6 -11.1 -9.4 -10.0 -8.3 -9.2 -7.2 -7.8 -5.6 -6.2 -3.3 -4.4 -1.1 -2.2 1.7 0.0 3.9 2.2 6.7 4.4 8.3 6.1 10.6 8.3 12.2 10.0 13.9 11.7 15.6 13.3	20.9 22.4 25.0 25.4 27.4 28.6 29.8 30.6 31.2 32.3 33.2 35.0 37.1 39.2 41.6 44.0 46.0 47.0 48.7 50.9 53.1 55.4	5.05 5.31 5.76 5.93 6.23 6.98 7.33 7.53 7.68 7.93 8.13 8.51 8.87 9.22 9.55 9.86 10.1 10.4 10.6 10.9 11.1 11.2	20.8 20.7 20.6 20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7	6.77 6.54 6.31 6.25 6.22 6.20 6.18 6.16 6.14 6.12 6.10 6.08 6.06 6.04 6.02 6.00 5.98 5.96 5.94 5.92 5.90 5.88	20.7 20.6 20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6	6.31 6.07 5.84 5.78 5.75 5.73 5.71 5.69 5.67 5.65 5.63 5.61 5.59 5.57 5.55 5.53 5.51 5.49 5.47 5.45 5.43 5.41	20.6 20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6 18.5	6.68 6.44 6.21 6.15 6.12 6.10 6.08 6.06 6.04 6.02 6.00 5.98 5.96 5.94 5.92 5.90 5.88 5.86 5.84 5.82 5.80	20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6 18.5	7.04 6.79 6.56 6.50 6.47 6.45 6.43 6.41 6.39 6.37 6.35 6.33 6.31 6.29 6.27 6.25 6.23 6.21 6.19 6.17 6.15 6.13	20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6 18.5 18.4 18.3 18.2 18.1 18.0 17.9	7.58 7.33 7.10 7.04 7.01 6.99 6.97 6.95 6.93 6.91 6.89 6.87 6.85 6.83 6.81 6.79 6.77 6.75 6.73 6.71 6.69 6.67								
110	-24.8 -25.0 -22.8 -23.0 -19.8 -20.0 -18.8 -19.0 -14.7 -15.0 -12.5 -13.1 -10.6 -11.1 -9.4 -10.0 -8.3 -9.2 -7.2 -7.8 -5.6 -6.2 -3.3 -4.4 -1.1 -2.2 1.7 0.0 3.9 2.2 6.7 4.4 8.3 6.1 10.6 8.3 12.2 10.0 13.9 11.7 15.6 13.3	20.9 22.4 25.0 25.4 27.4 28.6 29.8 30.6 31.2 32.3 33.2 35.0 37.1 39.2 41.6 44.0 46.0 47.0 48.7 50.9 53.1 55.4	5.05 5.31 5.76 5.93 6.23 6.98 7.33 7.53 7.68 7.93 8.13 8.51 8.87 9.22 9.55 9.86 10.1 10.4 10.6 10.9 11.1 11.2	20.8 20.7 20.6 20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7	6.77 6.54 6.31 6.25 6.22 6.20 6.18 6.16 6.14 6.12 6.10 6.08 6.06 6.04 6.02 6.00 5.98 5.96 5.94 5.92 5.90 5.88	20.7 20.6 20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6	6.31 6.07 5.84 5.78 5.75 5.73 5.71 5.69 5.67 5.65 5.63 5.61 5.59 5.57 5.55 5.53 5.51 5.49 5.47 5.45 5.43 5.41	20.6 20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6 18.5	6.68 6.44 6.21 6.15 6.12 6.10 6.08 6.06 6.04 6.02 6.00 5.98 5.96 5.94 5.92 5.90 5.88 5.86 5.84 5.82 5.80	20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6 18.5	7.04 6.79 6.56 6.50 6.47 6.45 6.43 6.41 6.39 6.37 6.35 6.33 6.31 6.29 6.27 6.25 6.23 6.21 6.19 6.17 6.15 6.13	20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6 18.5 18.4 18.3 18.2 18.1 18.0 17.9	7.58 7.33 7.10 7.04 7.01 6.99 6.97 6.95 6.93 6.91 6.89 6.87 6.85 6.83 6.81 6.79 6.77 6.75 6.73 6.71 6.69 6.67								
90	-24.8 -25.0 -22.8 -23.0 -19.8 -20.0 -18.8 -19.0 -14.7 -15.0 -12.5 -13.1 -10.6 -11.1 -9.4 -10.0 -8.3 -9.2 -7.2 -7.8 -5.6 -6.2 -3.3 -4.4 -1.1 -2.2 1.7 0.0 3.9 2.2 6.7 4.4 8.3 6.1 10.6 8.3 12.2 10.0 13.9 11.7 15.6 13.3	20.9 22.4 25.0 25.4 27.4 28.6 29.8 30.6 31.2 32.3 33.2 35.0 37.1 39.2 41.6 44.0 46.0 47.0 48.7 50.9 53.1 55.4	5.05 5.31 5.76 5.93 6.23 6.98 7.33 7.53 7.68 7.93 8.13 8.51 8.87 9.22 9.55 9.86 10.1 10.4 10.6 10.9 11.1 11.2	20.8 20.7 20.6 20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7	6.77 6.54 6.31 6.25 6.22 6.20 6.18 6.16 6.14 6.12 6.10 6.08 6.06 6.04 6.02 6.00 5.98 5.96 5.94 5.92 5.90 5.88	20.7 20.6 20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6	6.31 6.07 5.84 5.78 5.75 5.73 5.71 5.69 5.67 5.65 5.63 5.61 5.59 5.57 5.55 5.53 5.51 5.49 5.47 5.45 5.43 5.41	20.6 20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6 18.5	6.68 6.44 6.21 6.15 6.12 6.10 6.08 6.06 6.04 6.02 6.00 5.98 5.96 5.94 5.92 5.90 5.88 5.86 5.84 5.82 5.80	20.5 20.4 20.3 20.2 20.1 20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6 18.5	7.04 6.79 6.56 6.50 6.47 6.45 6.43 6.41 6.39 6.37 6.35 6.33 6.31 6.29 6.27 6.25 6.23 6.21 6.19 6.17 6.15 6.13	20.0 19.9 19.8 19.7 19.6 19.5 19.4 19.3 19.2 19.1 19.0 18.9 18.8 18.7 18.6 18.5 18.4 18.3 18.2 18.1 18.0 17.9	7.58 7.33 7.10 7.04 7.01 6.99 6.97 6.95 6.93 6.91 6.89 6.87 6.85 6.83 6.81 6.79 6.77 6.75 6.73 6.71 6.69 6.67								

TC: Total capacity; kW  
 PI: Power input; kW (Compressor+Outdoor fan motor)  
 Notes: 1. [ ] is shown as reference.  
 2. This table shows the average value of conditions which may occur.  
 This table is based on projection. Actual results may vary according to conditions of use.  
 3. [ ] shows rated condition.

REYQ144TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Large multi-column table containing heating capacity data for REYQ144TAYDU. It includes columns for Outdoor air temp. (°CDB, °CWB), Indoor air temp. (°CDB 16.1, 18.3, 20.0, 21.1, 22.2, 23.9), and Capacity (kW, PI). The table is organized into sections for different indoor air temperatures (100, 80, 60, 50) and outdoor air conditions. It also includes a legend for TC (Total capacity), PI (Power input), and Notes regarding data representation.

REYQ168TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Main data table with columns for Outdoor air temp. (°CDB, °CWB), Indoor air temp. (°CDB), and Capacity (kW, PI) for various combinations (16.1, 18.3, 20.0, 22.2, 23.9).

TC: Total capacity; kW
PI: Power input; kW (Compressor+Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [boxed] shows rated condition.



REYQ192TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Table with columns for Combination, Outdoor air temp., Indoor air temp. °CDB (16.1, 18.3, 20.0, 21.1, 22.2, 23.9), and Capacity (kW, PI). Rows are grouped by capacity (130, 120, 110, 100, 90).

Table with columns for Combination, Outdoor air temp., Indoor air temp. °CDB (16.1, 18.3, 20.0, 21.1, 22.2, 23.9), and Capacity (kW, PI). Rows are grouped by capacity (80, 70, 60, 50).

TC: Total capacity; kW
PI: Power input; kW (Compressor+Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [boxed] shows rated condition.

REYQ216TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Main data table with columns for Outdoor air temp., Indoor air temp., and capacity values (kW, PI) for various combinations of 16.1, 18.3, 20.0, 21.1, 22.2, and 23.9.

TC: Total capacity; kW
PI: Power input; kW (Compressor+Outdoor fan motor)
Notes: 1. ■ is shown as reference.
2. This table shows the average value of conditions which may occur.
This table is based on projection. Actual results may vary according to conditions of use.
3. □ shows rated condition.

REYQ240TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Table with 17 columns: Outdoor air temp. (°CDB, °CWB), Indoor air temp. (°CDB 16.1, 18.3, 20.0, 21.1, 22.2, 23.9), and Capacity (kW, PI). Rows are categorized by outdoor air temperature (130, 120, 110, 100) and indoor air temperature (16.1, 18.3, 20.0, 21.1, 22.2, 23.9).

Table with 17 columns: Outdoor air temp. (°CDB, °CWB), Indoor air temp. (°CDB 16.1, 18.3, 20.0, 21.1, 22.2, 23.9), and Capacity (kW, PI). Rows are categorized by outdoor air temperature (80, 70, 60, 50) and indoor air temperature (16.1, 18.3, 20.0, 21.1, 22.2, 23.9).

TC: Total capacity; kW
PI: Power input; kW (Compressor+Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [boxed] shows rated condition.

REYQ264TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Large data table with multiple columns for indoor air temperature (16.1, 18.3, 20.0, 21.1, 22.2, 23.9) and outdoor air temperature (-24.8 to 15.6). It includes sub-sections for different capacity ratings (80, 100, 120, 150, 200, 250, 300, 350, 400, 450, 500) and a legend for TC and PI values.

REYQ288TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Table with columns for Combination, Outdoor air temp., Indoor air temp. °CDB (16.1, 18.3, 20.0, 21.1, 22.2, 23.9), and Capacity (kW, PI). Rows are grouped by capacity (130, 120, 110, 100, 90).

Table with columns for Combination, Outdoor air temp., Indoor air temp. °CDB (16.1, 18.3, 20.0, 21.1, 22.2, 23.9), and Capacity (kW, PI). Rows are grouped by capacity (80, 70, 60, 50).

TC: Total capacity; kW

PI: Power input; kW (Compressor+Outdoor fan motor)

Notes: 1. [shaded] is shown as reference.

2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.

3. [boxed] shows rated condition.

REYQ312TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Table with columns for Outdoor air temp. (°CDB, °CWB), Indoor air temp. (°CDB), and Capacity (kW, PI). Rows are categorized by REYQ312TAYDU and REYQ312TAYDU.

Table with columns for Outdoor air temp. (°CDB, °CWB), Indoor air temp. (°CDB), and Capacity (kW, PI). Rows are categorized by REYQ312TAYDU and REYQ312TAYDU.

TC: Total capacity; kW
PI: Power input; kW (Compressor+Outdoor fan motor)
Notes: 1. [ ] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [ ] shows rated condition.

REYQ336TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Large data table with columns for Outdoor air temp., Indoor air temp., and Capacity (kW). Includes sub-sections for REYQ336TAYDU and REYQ-TAYDU Heating Recovery (460 V).

TC: Total capacity; kW
PI: Power input; kW (Compressor+Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [boxed] shows rated condition.

REYQ360TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Main data table with columns for Outdoor air temp., Indoor air temp. °CDB, and Capacity (kW). Includes sub-sections for REYQ360TAYDU and REYQ360TAYDU Heating Capacity for Standard Condition (Tc: 46°C).

TC: Total capacity; kW
PI: Power input; kW (Compressor+Outdoor fan motor)
Notes: 1. [ ] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [ ] shows rated condition.



REYQ384TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Large data table with columns for Outdoor air temp., Indoor air temp. °CDB, and Capacity (kW). It is organized into sections for different indoor air temperatures (16.1, 18.3, 20.0, 21.1, 22.2, 23.9) and outdoor air temperatures (-24.8 to 15.6 °CDB). The table includes data for three different capacity ratings (120, 110, 100) and is divided into three main sections (130, 120, 110) with sub-sections (80, 70, 60, 50, 90).

TC: Total capacity; kW
PI: Power input; kW (Compressor+Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [boxed] shows rated condition.

REYQ408TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Table with columns for Outdoor air temp. (°CDB, °CWB), Indoor air temp. (°CDB), and Capacity (kW, PI). Rows are categorized by combination (130, 120, 110, 100, 90) and include various temperature and capacity values.

Table with columns for Outdoor air temp. (°CDB, °CWB), Indoor air temp. (°CDB), and Capacity (kW, PI). Rows are categorized by combination (80, 70, 60, 50) and include various temperature and capacity values.

TC: Total capacity; kW
PI: Power input; kW (Compressor+Outdoor fan motor)

- Notes: 1. [Shaded] is shown as reference.
2. This table shows the average value of conditions which may occur. This table is based on projection. Actual results may vary according to conditions of use.
3. [Boxed] shows rated condition.

REYQ432TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Large data table with columns for Outdoor air temp., Indoor air temp. °CDB, and Capacity (kW). Includes sub-sections for 130, 120, 110, 100, and 90 capacity ranges.

TC: Total capacity; kW
PI: Power input; kW (Compressor+Outdoor fan motor)
Notes: 1. [shaded] is shown as reference.
2. This table shows the average value of conditions which may occur.
This table is based on projection. Actual results may vary according to conditions of use.
3. [boxed] shows rated condition.

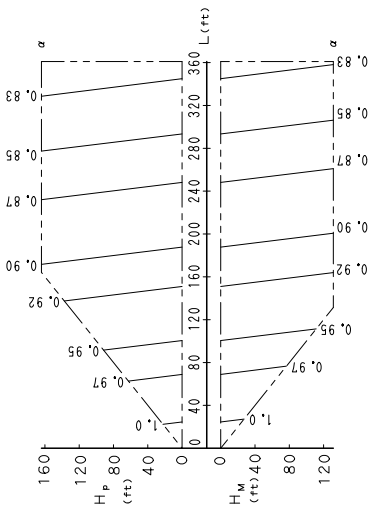
REYQ456TAYDU Heating Capacity for Standard Condition (Tc: 46°C)

Main data table with columns for Outdoor air temp. (°CDB, °CWB), Indoor air temp. (°CDB), and Capacity (kW). It is organized into four large sections for different REYQ models (80, 120, 110, 100, 90) and includes a detailed legend for TC, PI, and Notes.

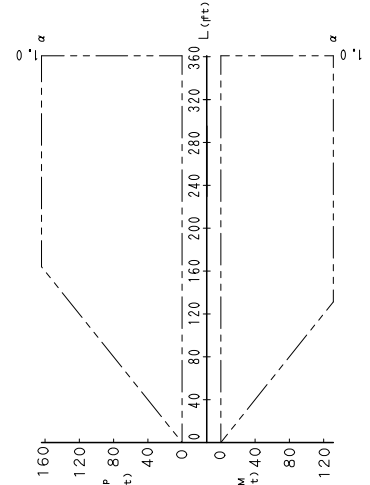
### 9.3 Capacity Correction Factor

#### REYQ72TAYDU

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



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



[Explanation of symbols]

- Hp: Level difference (ft) between indoor and outdoor units when indoor units position are lower than outdoor units.
- Hm: Level difference (ft) between indoor and outdoor units when indoor units position are higher than outdoor units.
- L: Equivalent pipe length (ft)
- $\alpha$ : Rate of change of capacity

[Diameter of pipe (Standard size)]

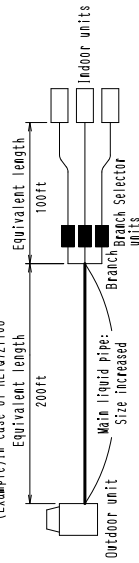
Model	Liquid pipe
REYQ72TTJU • TATJU	$\phi$ 3/8
REYQ72TYDN • TAYDU	$\phi$ 3/8

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.

Overall equivalent length = equivalent length of main pipe  $\times$  correction factor + equivalent length after branching

Model	Correction Factor
REYQ72TTJU • TATJU	0.2
REYQ72TYDN • TAYDU	0.2

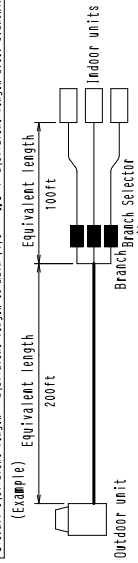
(Example) In case of REYQ72TTJU



Overall equivalent length =  $200\text{ft} \times 0.2 + 100\text{ft} = 140\text{ft}$

Thus rate of change of heating capacity when Hp=0ft is approximately 1.0. When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.

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



Overall equivalent length =  $200\text{ft} \times 0.5 + 100\text{ft} = 200\text{ft}$

Thus rate of change of cooling capacity when Hp=0ft is approximately 0.89.

[Notes]

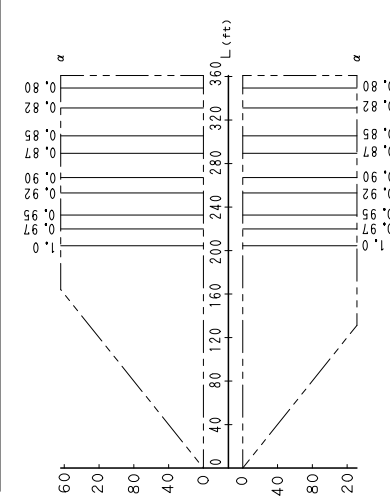
- Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.
- With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.
- Method of calculating A/C (cooling/heating) capacity:  
The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.
  - When indoor units combination ratio does not exceed 100% :
 
$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at 100\% indoor units combination ratio} \times \text{Rate of change of capacity due to piping length to the farthest indoor unit}$$
  - When indoor units combination ratio exceeds 100% :
 
$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio} \times \text{Rate of change of capacity due to piping length to the farthest indoor unit}$$
- When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

Model	Liquid pipe
REYQ72TTJU • TATJU	$\phi$ 1/2
REYQ72TYDN • TAYDU	$\phi$ 1/2

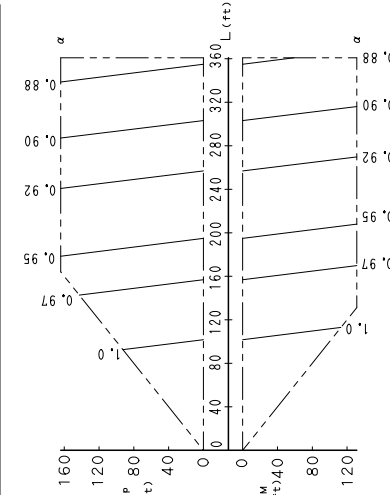
3D091468B

REYQ96TAYDU

2. Rate of change of heating capacity



1. Rate of change of cooling capacity

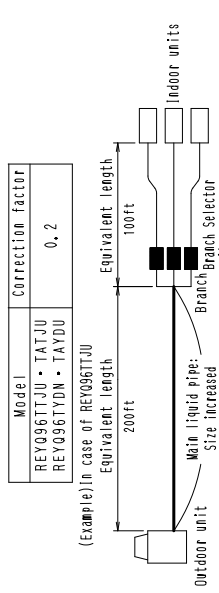


[ Explanation of symbols ]  
 Hp : Level difference (ft) between indoor and outdoor units  
 when indoor units position are lower than outdoor units,  
 Hm : Level difference (ft) between indoor and outdoor units  
 when indoor units position are higher than outdoor units,  
 L : Equivalent pipe length (ft)  
 α : Rate of change of capacity

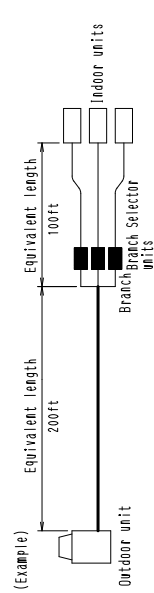
[ Diameter of pipe (Standard size) ]

Model	Liquid pipe
REYQ96TTJU • TATJU	φ 3/8
REYQ96TYDN • TAYDU	φ 3/8

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.  
 [Overall equivalent length = Equivalent length of main pipe × Correction factor + Equivalent length after branching]



Overall equivalent length = 200ft × 0.2 + 100ft = 140ft  
 Thus rate of change of heating capacity when Hp=0ft is approximately 1.0.  
 When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length to main pipe × 0.5 + Equivalent length after branching



Overall equivalent length = 200ft × 0.5 + 100ft = 200ft  
 Thus rate of change of cooling capacity when Hp=0ft is approximately 0.94.

[ Notes ]

- Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.
- With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.
  - When indoor units combination ratio does not exceed 100% :
 
$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at 100\% indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
  - When indoor units combination ratio exceeds 100% :
 
$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
- When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

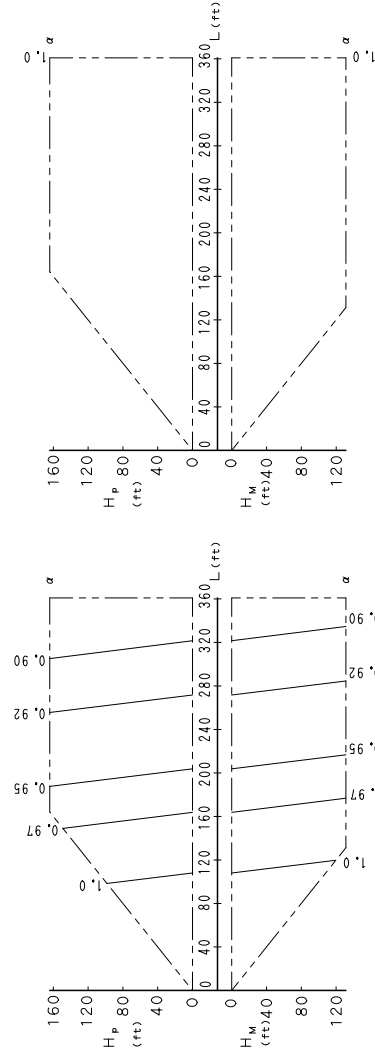
Model	Liquid pipe
REYQ96TTJU • TATJU	φ 1/2
REYQ96TYDN • TAYDU	φ 1/2

3D091469B

REYQ120TAYDU

2. Rate of change of heating capacity

1. Rate of change of cooling capacity



[ Explanation of symbols ]

Hp: Level difference (ft) between indoor and outdoor units  
 when indoor units position are lower than outdoor units.  
 Hm: Level difference (ft) between indoor and outdoor units  
 when indoor units position are higher than outdoor units.  
 L : Equivalent pipe length (ft)  
 $\alpha$  : Rate of change of capacity  
 [ Diameter of pipe (Standard size) ]

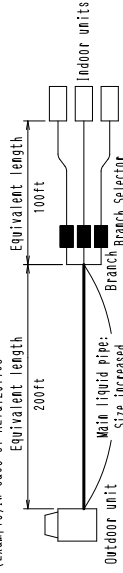
Model	Liquid pipe
REYQ120TTJU • TATJU	$\phi$ 1/2
REYQ120TYDN • TAYDU	$\phi$ 1/2

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.

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

Model	Correction factor
REYQ120TTJU • TATJU	0.3
REYQ120TYDN • TAYDU	0.3

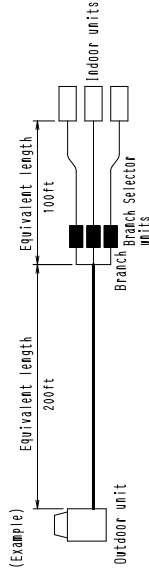
(Example) In case of REYQ120TTJU



Overall equivalent length = 200ft × 0.3 + 100ft = 160ft

Thus rate of change of heating capacity when Hp=0ft is approximately 1.0.  
 When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.

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



Overall equivalent length = 200ft × 0.5 + 100ft = 200ft  
 Thus rate of change of cooling capacity when Hp=0ft is approximately 0.95.

[ Notes ]

1. Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions.  
 Under partial load conditions, capacity change become smaller than them.

2. With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.

3. Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.

• When indoor units 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 100% indoor units combination ratio

X Rate of change of capacity due to piping length to the farthest indoor unit

• When indoor units combination ratio exceeds 100% :

Maximum A/C capacity of outdoor units = A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio

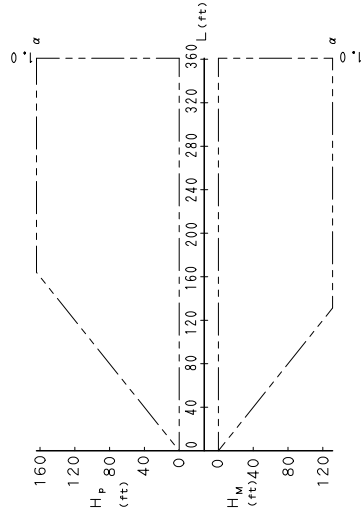
X Rate of change of capacity due to piping length to the farthest indoor unit

4. When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit – branch sections) must be increased to below size.

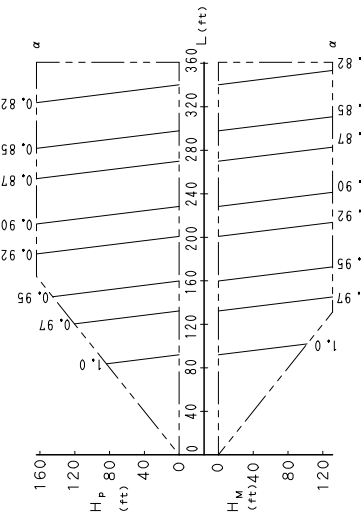
Model	Liquid pipe
REYQ120TTJU • TATJU	$\phi$ 5/8
REYQ120TYDN • TAYDU	$\phi$ 5/8

REYQ144TAYDU

2. Rate of change of heating capacity



1. Rate of change of cooling capacity



[ Explanation of symbols ]

Hp : Level difference (ft) between indoor and outdoor units  
 when indoor units position are lower than outdoor units,  
 Hm : Level difference (ft) between indoor and outdoor units  
 when indoor units position are higher than outdoor units,  
 L : Equivalent pipe length (ft)  
 $\alpha$  : Rate of change of capacity

[ Diameter of pipe (Standard size) ]

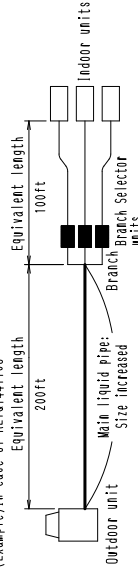
Model	Liquid pipe
REYQ144TTJU • TATJU	$\phi$ 1/2
REYQ144TYDN • TAYDU	$\phi$ 1/2

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.

Overall equivalent length = Equivalent length of main pipe  $\times$  Correction factor + Equivalent length after branching

Model	Correction factor
REYQ144TTJU • TATJU	0.3
REYQ144TYDN • TAYDU	0.3

(Example) In case of REYQ144TTJU

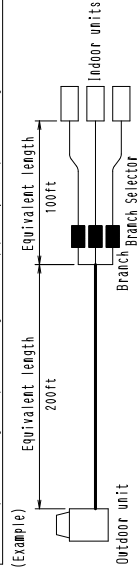


Overall equivalent length = 200ft  $\times$  0.3 + 100ft = 160ft

Thus rate of change of heating capacity when Hp=0ft is approximately 1.0.

6. When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.

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



Overall equivalent length = 200ft  $\times$  0.5 + 100ft = 200ft

Thus rate of change of cooling capacity when Hp=0ft is approximately 0.92.

[ Notes ]

1. Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.

2. With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.

3. Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.

• When indoor units 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 100% indoor units combination ratio

$\times$  Rate of change of capacity due to piping length to the farthest indoor unit

• When indoor units combination ratio exceeds 100% :

Maximum A/C capacity of outdoor units = A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio

$\times$  Rate of change of capacity due to piping length to the farthest indoor unit

4. When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

Model	Liquid pipe
REYQ144TTJU • TATJU	$\phi$ 5/8
REYQ144TYDN • TAYDU	$\phi$ 5/8

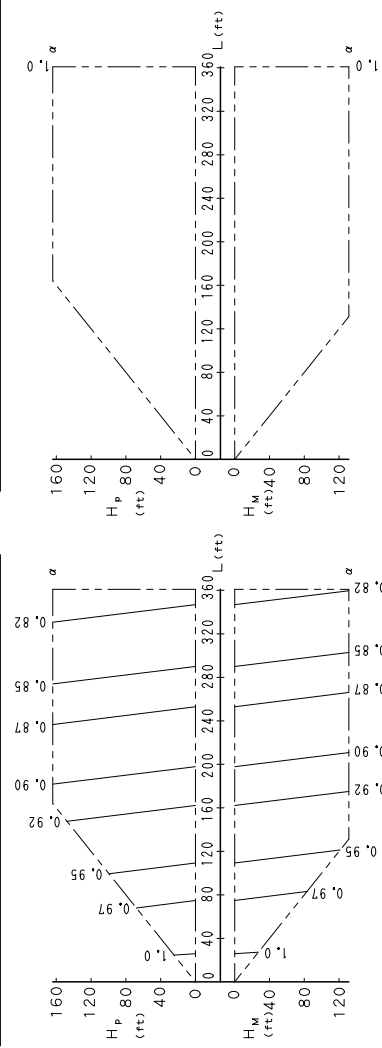
3D091471B



REYQ168TAYDU

2. Rate of change of heating capacity

1. Rate of change of cooling capacity

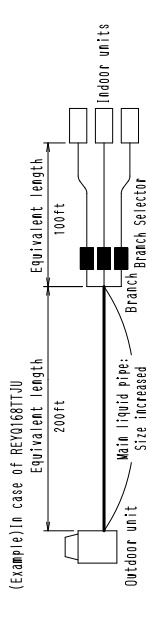


[ Explanation of symbols ]  
 Hp : Level difference (ft) between indoor and outdoor units when indoor units position are lower than outdoor units.  
 Hm : Level difference (ft) between indoor and outdoor units when indoor units position are higher than outdoor units.  
 L : Equivalent pipe length (ft)  
 $\alpha$  : Rate of change of capacity  
 [ Diameter of pipe (Standard size) ]

Model	Liquid pipe
REYQ168TTJU • TATJU	$\phi$ 5/8
REYQ168TYDN • TAYDU	$\phi$ 5/8

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length of main pipe  $\times$  Correction factor + Equivalent length after branching

Model	Correction factor
REYQ168TTJU • TATJU	0.4
REYQ168TYDN • TAYDU	0.4



6. When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length to main pipe  $\times$  0.5 + Equivalent length after branching

(Example)  
 Outdoor unit  
 Main liquid pipe: Size increased  
 Branch Selector  
 Indoor units  
 Equivalent length: 200ft  
 Equivalent length: 100ft  
 Overall equivalent length = 200ft  $\times$  0.5 + 100ft = 200ft

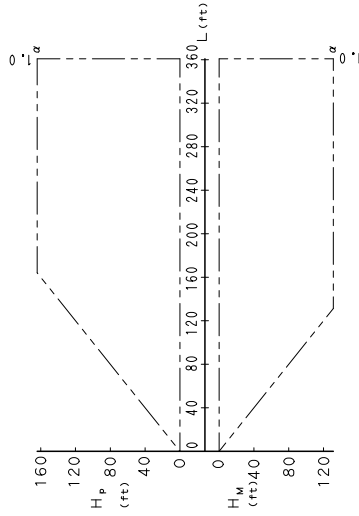
[ Notes ]

- Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.
- With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.  
 • When indoor units combination ratio does not exceed 100% :  
 $\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at 100\% indoor units combination ratio}$   
 $\times$  Rate of change of capacity due to piping length to the farthest indoor unit  
 • When indoor units combination ratio exceeds 100% :  
 $\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio}$   
 $\times$  Rate of change of capacity due to piping length to the farthest indoor unit  
 4. When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

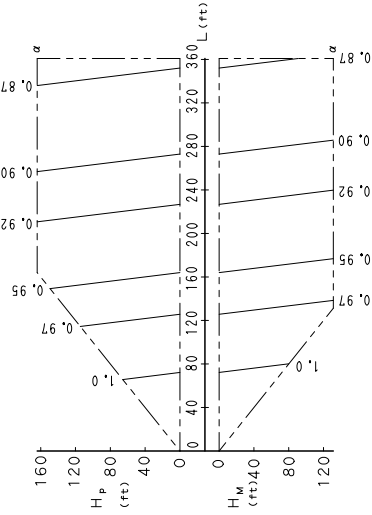
Model	Liquid pipe
REYQ168TTJU • TATJU	$\phi$ 3/4
REYQ168TYDN • TAYDU	$\phi$ 3/4

REYQ192TAYDU

2. Rate of change of heating capacity



1. Rate of change of cooling capacity



[ Explanation of symbols ]

Hp : Level difference (ft) between indoor and outdoor units when indoor units position are lower than outdoor units.  
 Hm : Level difference (ft) between indoor and outdoor units when indoor units position are higher than outdoor units.  
 L : Equivalent pipe length (ft)  
 α : Rate of change of capacity

[ Diameter of pipe (Standard size) ]

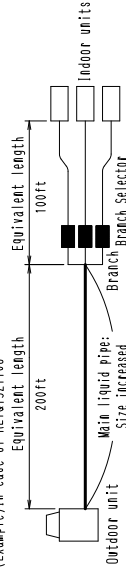
Model	Liquid pipe
REYQ192TTJU • TATJU	φ 5/8
REYQ192TYDN • TAYDU	φ 5/8

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.

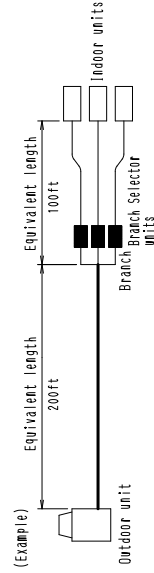
Overall equivalent length = Equivalent length of main pipe × Correction factor + Equivalent length after branching

Model	Correction factor
REYQ192TTJU • TATJU	0.4
REYQ192TYDN • TAYDU	0.4

(Example) In case of REYQ192TTJU



Overall equivalent length = 200ft × 0.4 + 100ft = 180ft  
 Thus rate of change of heating capacity when Hp=0ft is approximately 1.0.  
 When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length to main pipe × 0.5 + Equivalent length after branching



Overall equivalent length = 200ft × 0.5 + 100ft = 200ft  
 Thus rate of change of cooling capacity when Hp=0ft is approximately 0.93.

[ Notes ]

- Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.
- With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.  
 • When indoor units combination ratio does not exceed 100% :  

$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at 100\% indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
 • When indoor units combination ratio exceeds 100% :  

$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
 • When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

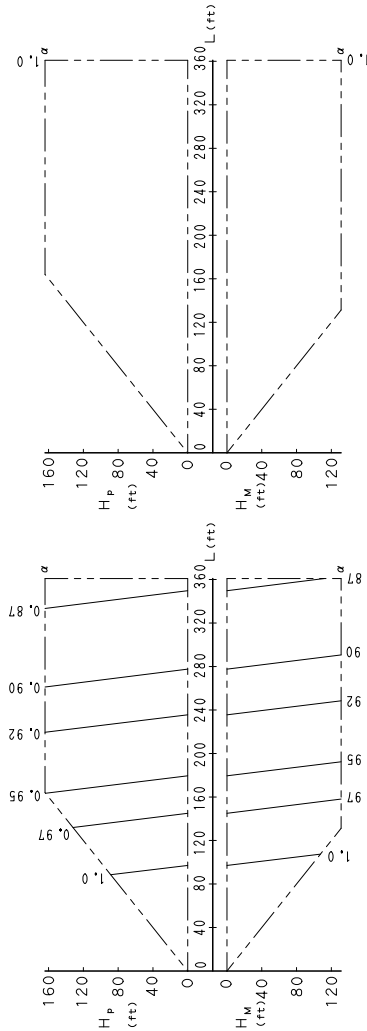
Model	Liquid pipe
REYQ192TTJU • TATJU	φ 3/4
REYQ192TYDN • TAYDU	φ 3/4

3D091473B

REYQ216TAYDU

2. Rate of change of heating capacity

1. Rate of change of cooling capacity



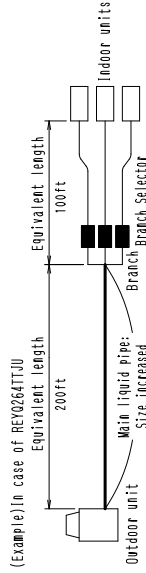
[ Explanation of symbols ]  
 Hp: Level difference (ft) between indoor and outdoor units when indoor units position are lower than outdoor units.  
 Hm: Level difference (ft) between indoor and outdoor units when indoor units position are higher than outdoor units.  
 L : Equivalent pipe length (ft)  
 α : Rate of change of capacity

[ Diameter of pipe (Standard size) ]

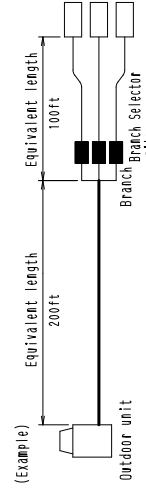
Model	Liquid pipe
REYQ216TTJU • TATJU	φ 5/8
REYQ216TYDN • TAYDU	φ 5/8

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length of main pipe × Correction factor + Equivalent length after branching

Model	Correction factor
REYQ216TTJU • TATJU	0.4
REYQ216TYDN • TAYDU	0.4



Overall equivalent length = 200ft × 0.4 + 100ft = 180ft  
 Thus rate of change of heating capacity when Hp=0ft is approximately 1.0.  
 When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length to main pipe × 0.5 + Equivalent length after branching



Overall equivalent length = 200ft × 0.5 + 100ft = 200ft  
 Thus rate of change of cooling capacity when Hp=0ft is approximately 0.93.

[ Notes ]

- Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.
- With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.  
 • When indoor units combination ratio does not exceed 100% :  

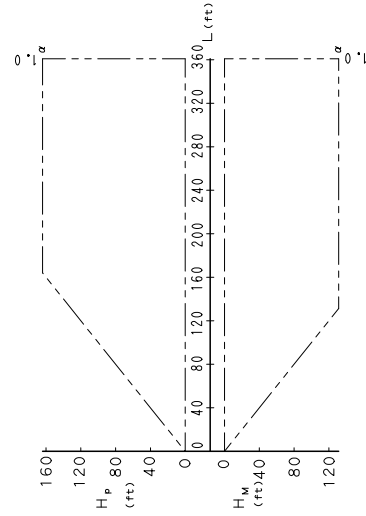
$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at 100\% indoor units combination ratio}$$
 • When indoor units combination ratio exceeds 100% :  

$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
- When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

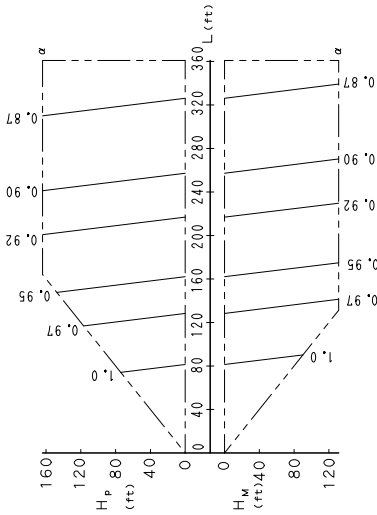
Model	Liquid pipe
REYQ216TTJU • TATJU	φ 3/4
REYQ216TYDN • TAYDU	φ 3/4

REYQ240TAYDU

2. Rate of change of heating capacity



1. Rate of change of cooling capacity



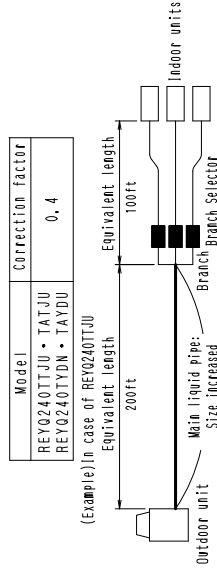
[ Explanation of symbols ]

Hp: Level difference (ft) between indoor and outdoor units when indoor units position are lower than outdoor units,  
 Hm: Level difference (ft) between indoor and outdoor units when indoor units position are higher than outdoor units,  
 L : Equivalent pipe length (ft)  
 α : Rate of change of capacity

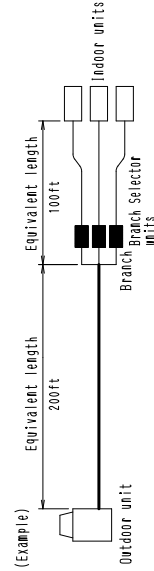
[ Diameter of pipe (Standard size) ]

Model	Liquid pipe
REYQ240TTJU • TATJU	φ 5/8
REYQ240TYDN • TAYDU	φ 5/8

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.  
 [Overall equivalent length = Equivalent length of main pipe × Correction factor + Equivalent length after branching]



6. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.  
 [Overall equivalent length = Equivalent length to main pipe × 0.5 + Equivalent length after branching]



Overall equivalent length = 200ft × 0.5 + 100ft = 200ft  
 Thus rate of change of cooling capacity when Hp=0ft is approximately 0.93.

[Notes]

- Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.
- With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.  
 • When indoor units combination ratio does not exceed 100% :  

$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at 100\% indoor units combination ratio}$$
 • When indoor units combination ratio exceeds 100% :  

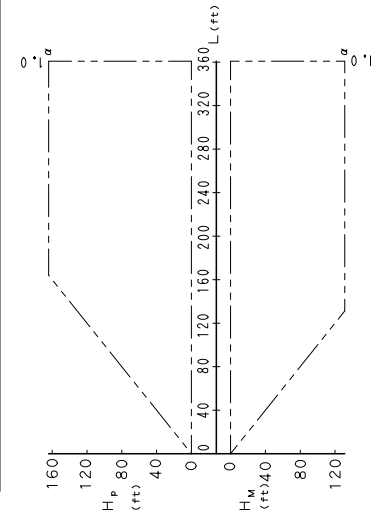
$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
- When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

Model	Liquid pipe
REYQ240TTJU • TATJU	φ 3/4
REYQ240TYDN • TAYDU	φ 3/4

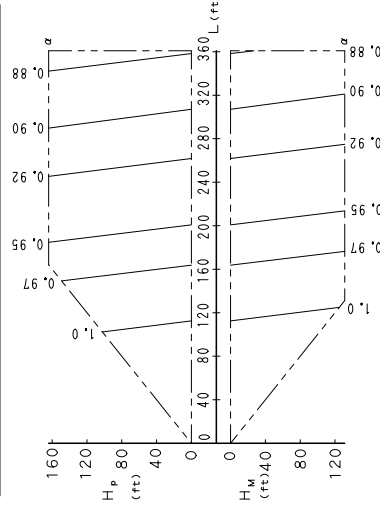
3D091475B

REYQ264TAYDU

2. Rate of change of heating capacity



1. Rate of change of cooling capacity



[ Explanation of symbols ]

Hp : Level difference (ft) between indoor and outdoor units when indoor units position are lower than outdoor units.  
 HM : Level difference (ft) between indoor and outdoor units when indoor units position are higher than outdoor units.  
 L : Equivalent pipe length (ft)  
 α : Rate of change of capacity

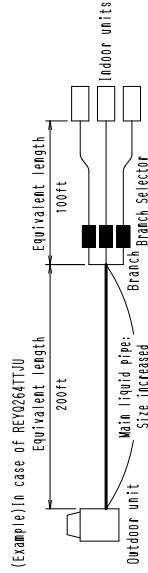
[ Diameter of pipe (Standard size) ]

Model	Liquid pipe
REYQ264TTJU • TATJU	φ 3/4
REYQ264TYDN • TAYDU	φ 3/4

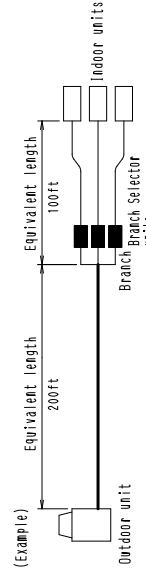
5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.

[ Overall equivalent length = Equivalent length of main pipe × Correction factor + Equivalent length after branching ]

Model	Correction Factor
REYQ264TTJU • TATJU	0.4
REYQ264TYDN • TAYDU	0.4



(Example) In case of REYQ264TTJU  
 Overall equivalent length = 200ft × 0.4 + 100ft = 180ft  
 Thus rate of change of heating capacity when Hp=0ft is approximately 1.0.  
 When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length to main pipe × 0.5 + Equivalent length after branching



(Example)  
 Overall equivalent length = 200ft × 0.5 + 100ft = 200ft  
 Thus rate of change of cooling capacity when Hp=0ft is approximately 0.95.

[ Notes ]

- Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.
- With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.  
 • When indoor units combination ratio does not exceed 100% :  

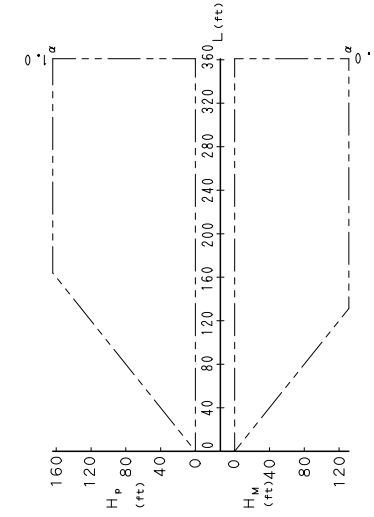
$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at 100\% indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
 • When indoor units combination ratio exceeds 100% :  

$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
- When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

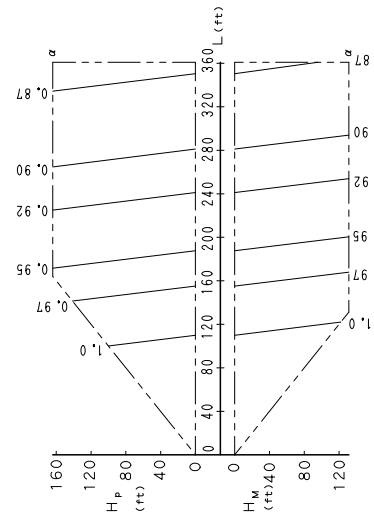
Model	Liquid pipe
REYQ264TTJU • TATJU	φ 7/8
REYQ264TYDN • TAYDU	φ 7/8

REYQ288TAYDU

2. Rate of change of heating capacity



1. Rate of change of cooling capacity



[ Explanation of symbols ]

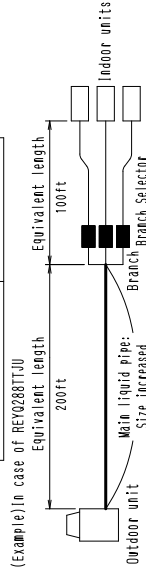
- Hp: Level difference (ft) between indoor and outdoor units  
When indoor units position are lower than outdoor units,
- Hm: Level difference (ft) between indoor and outdoor units  
When indoor units position are higher than outdoor units,
- L : Equivalent pipe length (ft)
- $\alpha$  : Rate of change of capacity

[ Diameter of pipe (Standard size) ]

Model	Liquid pipe
REYQ288TTJU • TATJU	$\phi$ 3/4
REYQ288TYDN • TAYDU	$\phi$ 3/4

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.  
Overall equivalent length = Equivalent length of main pipe  $\times$  Correction factor + Equivalent length after branching

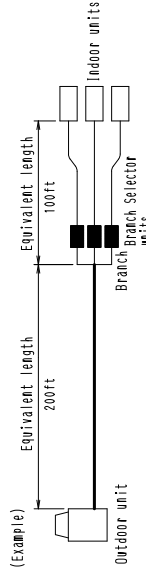
Model	Correction factor
REYQ288TTJU • TATJU	0.4
REYQ288TYDN • TAYDU	0.4



(Example) In case of REYQ288TTJU  
Overall equivalent length = 200ft  $\times$  0.4 + 100ft = 180ft

Thus rate of change of heating capacity when Hp=0ft is approximately 1, 0.  
When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.

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



(Example)  
Overall equivalent length = 200ft  $\times$  0.5 + 100ft = 200ft  
Thus rate of change of cooling capacity when Hp=0ft is approximately 0.94.

[ Notes ]

- Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.
- With this outdoor unit, evaporating pressure constant control when cooling and condensating pressure constant control when heating are carried out.
- Method of calculating A/C (cooling/heating) capacity:  
The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.

- When indoor units 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 100% indoor units combination ratio  
 $\times$  Rate of change of capacity due to piping length to the farthest indoor unit
- When indoor units combination ratio exceeds 100% :  
Maximum A/C capacity of outdoor units = A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio  
 $\times$  Rate of change of capacity due to piping length to the farthest indoor unit

4. When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

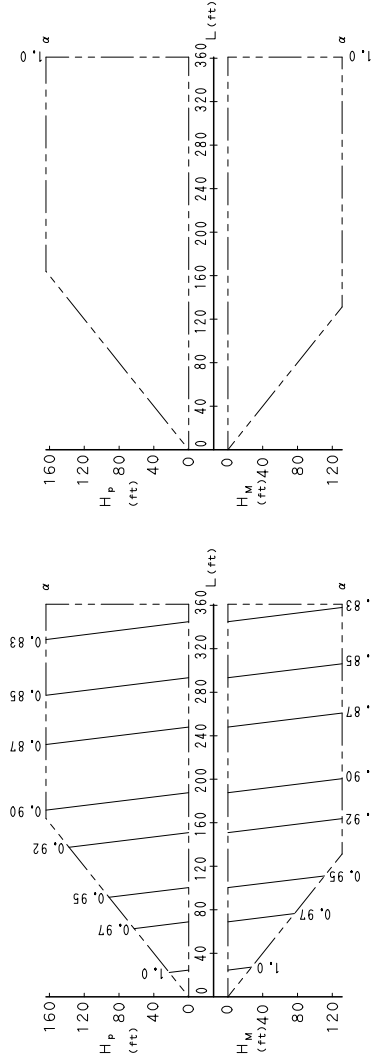
Model	Liquid pipe
REYQ288TTJU • TATJU	$\phi$ 7/8
REYQ288TYDN • TAYDU	$\phi$ 7/8

3D091477B

REYQ312TAYDU

2. Rate of change of heating capacity

1. Rate of change of cooling capacity



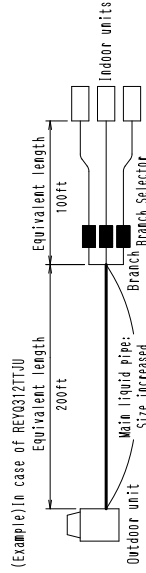
[ Explanation of symbols ]  
 Hp: Level difference (ft) between indoor and outdoor units when indoor units position are lower than outdoor units,  
 Hm: Level difference (ft) between indoor and outdoor units when indoor units position are higher than outdoor units,  
 L : Equivalent pipe length (ft)  
 α : Rate of change of capacity

[ Diameter of pipe (Standard size) ]

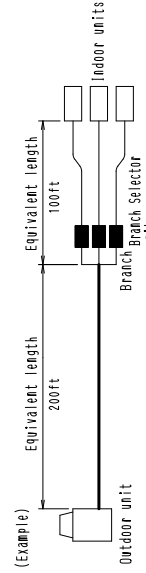
Model	Liquid pipe
REYQ312TTJU・TATJU	φ 3/4
REYQ312TYDN・TAYDU	φ 3/4

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length of main pipe × Correction factor + Equivalent length after branching

Model	Correction factor
REYQ312TTJU・TATJU	0.4
REYQ312TYDN・TAYDU	0.4



(Example) In case of REYQ312TTJU  
 Overall equivalent length = 200ft × 0.4 + 100ft = 180ft  
 Thus rate of change of heating capacity when Hp=0ft is approximately 1.0.  
 6. When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length to main pipe × 0.5 + Equivalent length after branching



Overall equivalent length = 200ft × 0.5 + 100ft = 200ft  
 Thus rate of change of cooling capacity when Hp=0ft is approximately 0.89.

[ Notes ]

- Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.
- With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.  
 • When indoor units combination ratio does not exceed 100% :  

$$\text{Maximum A/C capacity of outdoor units} = \text{A/C capacity of outdoor units obtained from capacity characteristic table at 100\% indoor units combination ratio}$$
 • When indoor units combination ratio exceeds 100% :  

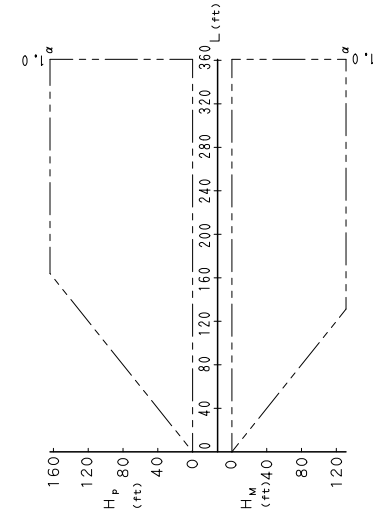
$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
- When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

Model	Liquid pipe
REYQ312TTJU・TATJU	φ 7/8
REYQ312TYDN・TAYDU	φ 7/8

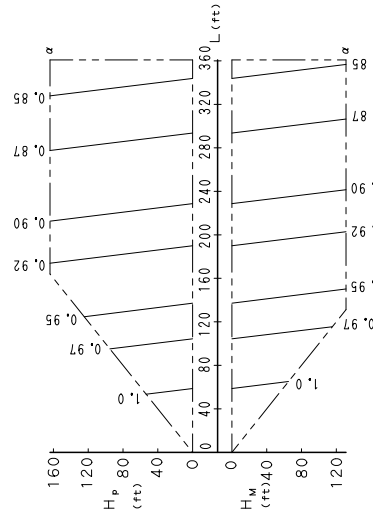
3D091478B

REYQ336TAYDU

2. Rate of change of heating capacity



1. Rate of change of cooling capacity



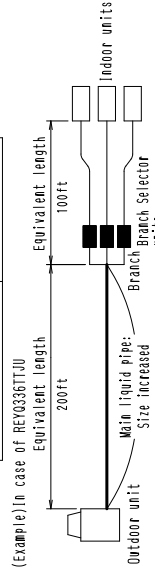
[ Explanation of symbols ]  
 Hp : Level difference (ft) between indoor and outdoor units  
 when indoor units position are lower than outdoor units,  
 Hm : Level difference (ft) between indoor and outdoor units  
 when indoor units position are higher than outdoor units,  
 L : Equivalent pipe length (ft)  
 α : Rate of change of capacity

[ Diameter of pipe (Standard size) ]

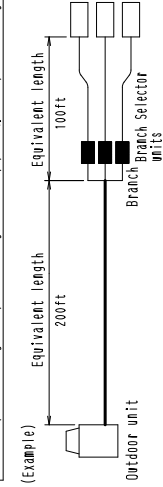
Model	Liquid pipe
REYQ336TTJU • TATJU	φ 3/4
REYQ336TYDN • TAYDU	φ 3/4

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length of main pipe × Correction factor + Equivalent length after branching

Model	Correction factor
REYQ336TTJU • TATJU	0.4
REYQ336TYDN • TAYDU	0.4



(Example) In case of REYQ336TTJU  
 Overall equivalent length = 200ft × 0.4 + 100ft = 180ft  
 Thus rate of change of heating capacity when Hp=0ft is approximately 1.0.  
 When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length to main pipe × 0.5 + Equivalent length after branching



(Example)  
 Overall equivalent length = 200ft × 0.5 + 100ft = 200ft  
 Thus rate of change of cooling capacity when Hp=0ft is approximately 0.91.

[ Notes ]

- Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.
- With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.  
 • When indoor units combination ratio does not exceed 100% :  

$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at 100\% indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
 • When indoor units combination ratio exceeds 100% :  

$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
- When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

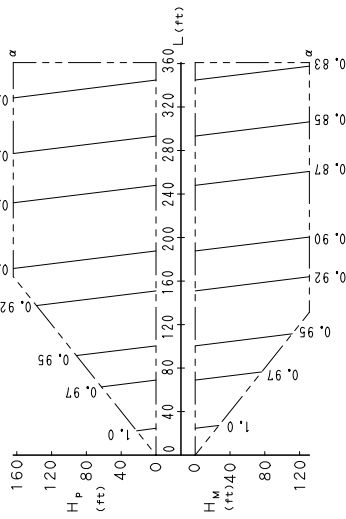
Model	Liquid pipe
REYQ336TTJU • TATJU	φ 7/8
REYQ336TYDN • TAYDU	φ 7/8

3D091479B

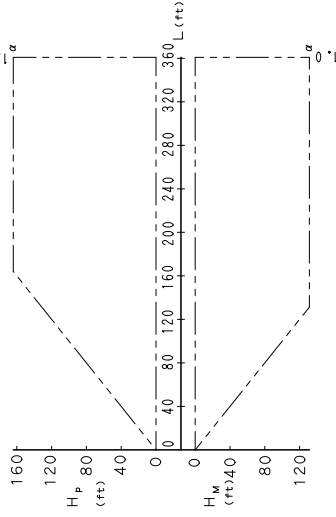


REYQ360TAYDU

1. Rate of change of cooling capacity



2. Rate of change of heating capacity



[ Explanation of symbols ]

Hp: Level difference (ft) between indoor and outdoor units when indoor units position are lower than outdoor units.  
 Hm: Level difference (ft) between indoor and outdoor units when indoor units position are higher than outdoor units.  
 L : Equivalent pipe length (ft)  
 α : Rate of change of capacity

[ Diameter of pipe (Standard size) ]

Model	Liquid pipe
REYQ360TTJU • TATJU	φ 3/4
REYQ360TYDN • TAYDU	φ 3/4

[ Notes ]

1. Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.

2. With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.

3. Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.

• When indoor units combination ratio does not exceed 100% :

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

• When indoor units combination ratio exceeds 100% :

$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit - branch sections}}$$

4. When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

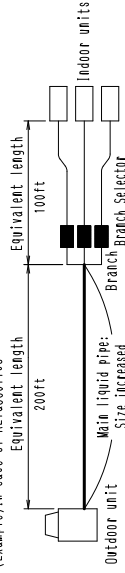
Model	Liquid pipe
REYQ360TTJU • TATJU	φ 7/8
REYQ360TYDN • TAYDU	φ 7/8

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.

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

Model	Correction factor
REYQ360TTJU • TATJU	0.4
REYQ360TYDN • TAYDU	0.4

(Example) In case of REYQ360TTJU



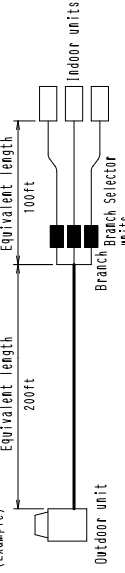
Overall equivalent length = 200ft × 0.4 + 100ft = 180ft

Thus rate of change of heating capacity when Hp=0ft is approximately 1.0.

6. When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.

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

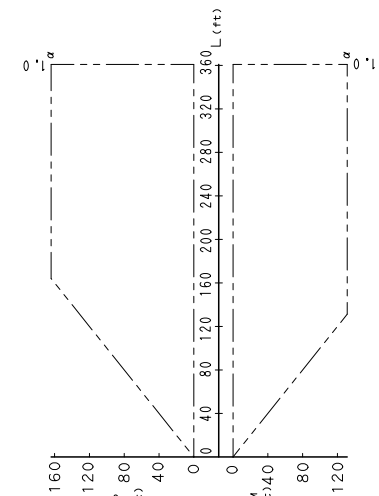
(Example) Overall equivalent length = 200ft × 0.5 + 100ft = 200ft



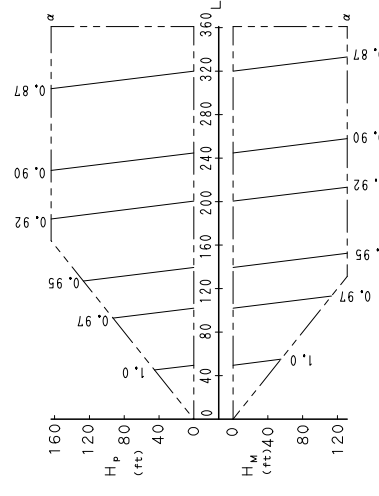
Overall equivalent length = 200ft × 0.5 + 100ft = 200ft  
 Thus rate of change of cooling capacity when Hp=0ft is approximately 0.89.

REYQ384TAYDU

2. Rate of change of heating capacity



1. Rate of change of cooling capacity



[ Explanation of symbols ]  
 Hp : Level difference (ft) between indoor and outdoor units when indoor units position are lower than outdoor units.  
 Hm : Level difference (ft) between indoor and outdoor units when indoor units position are higher than outdoor units.  
 L : Equivalent pipe length (ft)  
 $\alpha$  : Rate of change of capacity

[ Diameter of pipe (Standard size.) ]

Model	Liquid pipe
REYQ384TTJU • TATJU	$\phi$ 3/4
REYQ384TYDN • TAYDU	$\phi$ 3/4

[ Notes ]

1. Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.
2. With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.
3. Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.  
 • When indoor units combination ratio does not exceed 100% :  

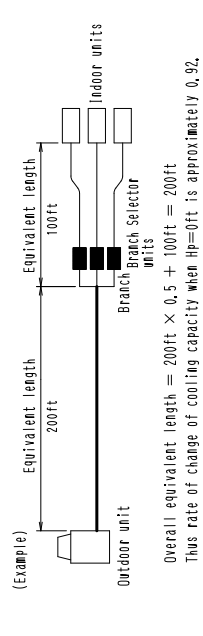
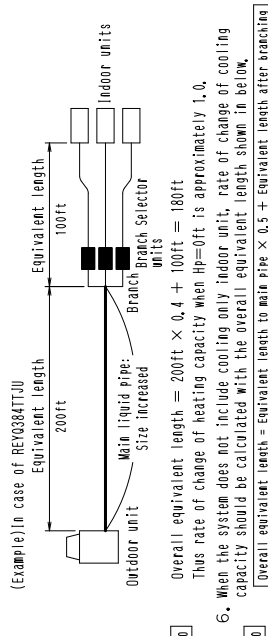
$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at 100\% indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
 • When indoor units combination ratio exceeds 100% :  

$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
 X [Rate of change of capacity due to piping length to the farthest indoor unit - branch sections]  
 4. When overall equivalent pipe length is 295, 3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

Model	Liquid pipe
REYQ384TTJU • TATJU	$\phi$ 1/8
REYQ384TYDN • TAYDU	$\phi$ 1/8

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length of main pipe X Correction factor + Equivalent length after branching

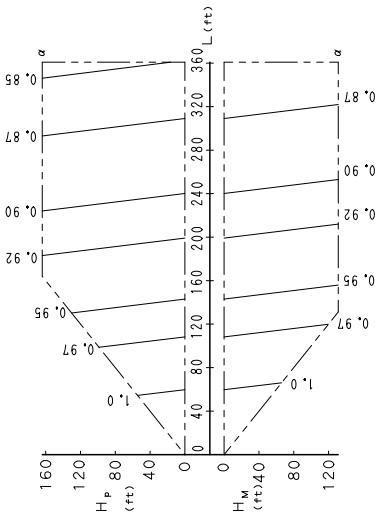
Model	Correction factor
REYQ384TTJU • TATJU	0.4
REYQ384TYDN • TAYDU	0.4



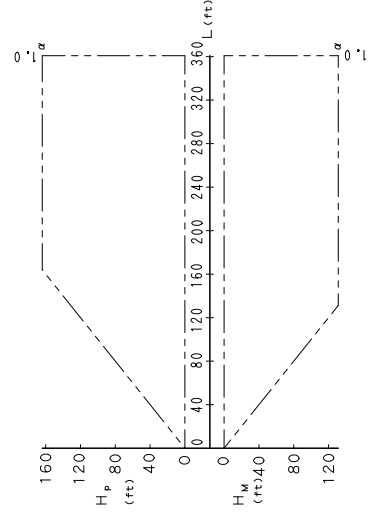
3D091481B

REYQ408TAYDU

1. Rate of change of cooling capacity



2. Rate of change of heating capacity



[ Explanation of symbols ]

Hp: Level difference (ft) between indoor and outdoor units when indoor units position are lower than outdoor units.  
 Hm: Level difference (ft) between indoor and outdoor units when indoor units position are higher than outdoor units.  
 L : Equivalent pipe length (ft)  
 α : Rate of change of capacity

[ Diameter of pipe (Standard size.) ]

Model	Liquid pipe
REYQ408TTJU • TATJU	φ 3/4
REYQ408TYDN • TAYDU	φ 3/4

[ Notes ]

1. Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.
2. With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.
3. Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.  
 • When indoor units combination ratio does not exceed 100% :  

$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at 100\% indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
  
 • When indoor units combination ratio exceeds 100% :  

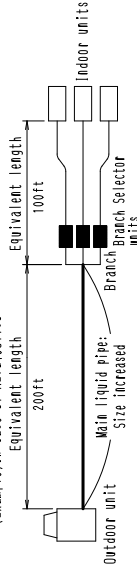
$$\text{Maximum A/C capacity of outdoor units} = \frac{\text{A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio}}{\text{Rate of change of capacity due to piping length to the farthest indoor unit}}$$
  
 X Rate of change of capacity due to piping length to the farthest indoor unit  
 X Rate of change of capacity due to piping length to the farthest indoor unit - branch sections  
 4. When overall equivalent pipe length is 295, 3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

Model	Liquid pipe
REYQ408TTJU • TATJU	φ 1/8
REYQ408TYDN • TAYDU	φ 1/8

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length of main pipe X Correction factor + Equivalent length after branching

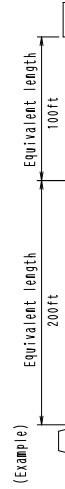
Model	Correction factor
REYQ408TTJU • TATJU	0.4
REYQ408TYDN • TAYDU	0.4

(Example) In case of REYQ408TTJU



Overall equivalent length = 200ft X 0.4 + 100ft = 180ft  
 Thus rate of change of heating capacity when Hp=0ft is approximately 1.0.

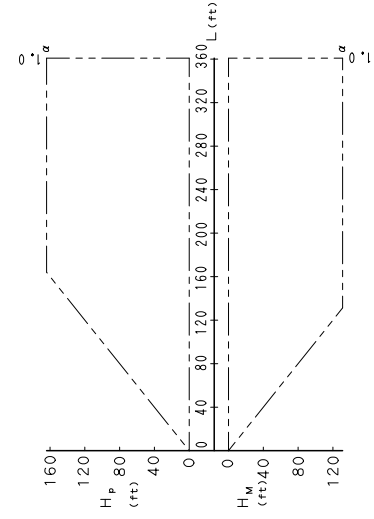
6. When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length to main pipe X 0.5 + Equivalent length after branching



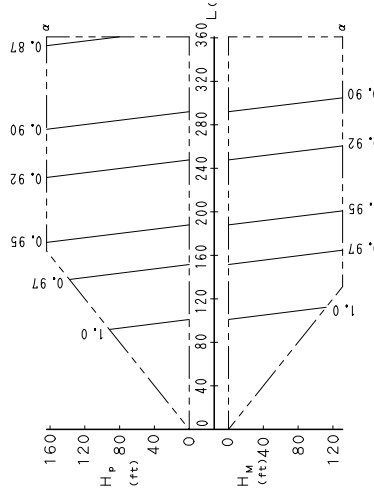
Overall equivalent length = 200ft X 0.5 + 100ft = 200ft  
 Thus rate of change of cooling capacity when Hp=0ft is approximately 0.92.

REYQ432TAYDU

2. Rate of change of heating capacity



1. Rate of change of cooling capacity



[ Explanation of symbols ]

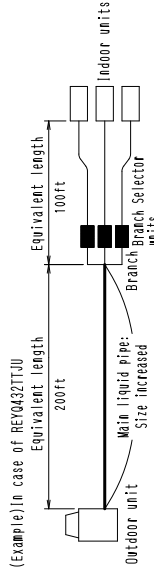
Hp: Level difference (ft) between indoor and outdoor units  
 when indoor units position are lower than outdoor units,  
 Hm: Level difference (ft) between indoor and outdoor units  
 when indoor units position are higher than outdoor units,  
 L : Equivalent pipe length (ft)  
 $\alpha$  : Rate of change of capacity

[ Diameter of pipe (Standard size) ]

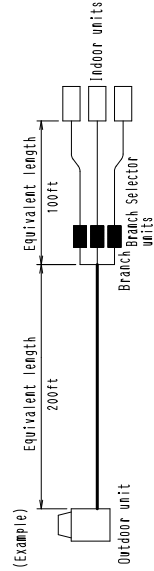
Model	Liquid pipe
REYQ432TJJU • TATJU	$\phi$ 3/4
REYQ432TYDN • TAYDU	$\phi$ 3/4

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.  
 [Overall equivalent length = Equivalent length of main pipe X Correction factor + Equivalent length after branching]

Model	Correction Factor
REYQ432TJJU • TATJU	0.4
REYQ432TYDN • TAYDU	0.4



(Example) In case of REYQ432TJJU  
 Overall equivalent length = 200ft X 0.4 + 100ft = 180ft  
 Thus rate of change of heating capacity when Hp=0ft is approximately 1.0.  
 When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.  
 Overall equivalent length = Equivalent length to main pipe X 0.5 + Equivalent length after branching



(Example) Overall equivalent length = 200ft X 0.5 + 100ft = 200ft  
 Thus rate of change of cooling capacity when Hp=0ft is approximately 0.94.

[ Notes ]

- Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.
- With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.
- Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.  
  - When indoor units 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 100% indoor units combination ratio
  - When indoor units combination ratio exceeds 100% :  
 X [Rate of change of capacity 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 that indoor units combination ratio
- When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

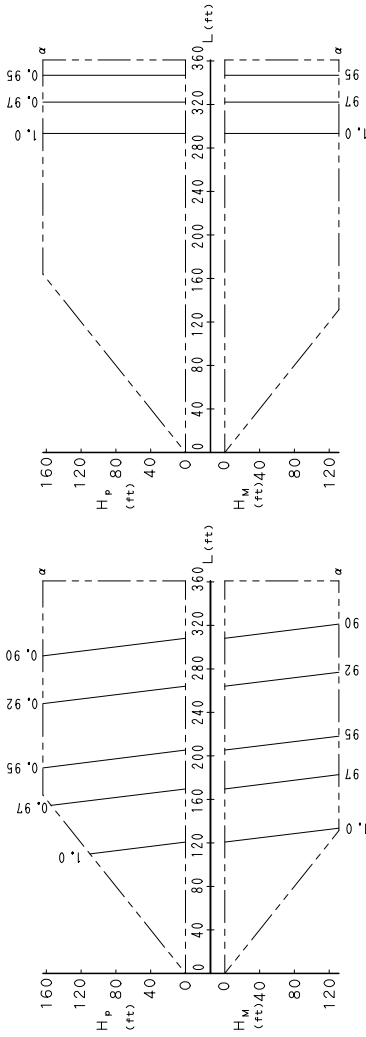
Model	Liquid pipe
REYQ432TJJU • TATJU	$\phi$ 7/8
REYQ432TYDN • TAYDU	$\phi$ 7/8

3D091483B

REYQ456TAYDU

2. Rate of change of heating capacity

1. Rate of change of cooling capacity



[ Explanation of symbols ]

Hp : Level difference (ft) between indoor and outdoor units when indoor units position are lower than outdoor units.  
 Hm : Level difference (ft) between indoor and outdoor units when indoor units position are higher than outdoor units.  
 L : Equivalent pipe length (ft)  
 $\alpha$  : Rate of change of capacity

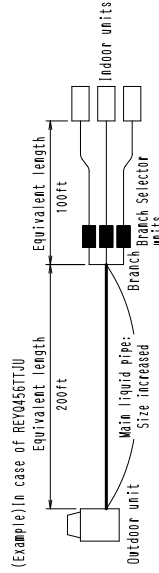
[ Diameter of pipe (Standard size) ]

Model	Liquid pipe
REYQ456TTJU • TATJU	$\phi$ 3/4
REYQ456TYDN • TAYDU	$\phi$ 3/4

5. When the diameter of the main liquid pipe is increased, rate of change of heating capacity should be calculated with the overall equivalent length shown in below.

[ Overall equivalent length = Equivalent length of main pipe  $\times$  Correction factor + Equivalent length after branching ]

Model	Correction Factor
REYQ456TTJU • TATJU	0.4
REYQ456TYDN • TAYDU	0.4



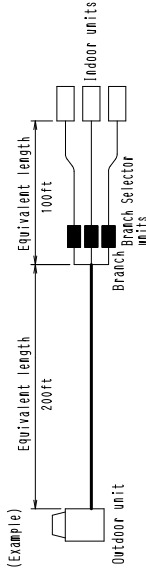
(Example) In case of REYQ456TTJU

Overall equivalent length = 200ft  $\times$  0.4 + 100ft = 180ft

Thus rate of change of heating capacity when Hp=0ft is approximately 1.0.

6. When the system does not include cooling only indoor unit, rate of change of cooling capacity should be calculated with the overall equivalent length shown in below.

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



(Example)

Overall equivalent length = 200ft  $\times$  0.5 + 100ft = 200ft

Thus rate of change of cooling capacity when Hp=0ft is approximately 0.95.

[ Notes ]

1. Above figures indicate the rate of change of capacity when a standard system (indoor units combination ratio is 100%) is operated at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions, capacity change become smaller than them.

2. With this outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating are carried out.

3. Method of calculating A/C (cooling/heating) capacity:  
 The maximum A/C capacity of the system is the smaller of the total A/C capacity of the indoor units obtained from capacity characteristic table or the maximum A/C capacity of outdoor units calculated in below.

• When indoor units 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 100% indoor units combination ratio

$\times$  Rate of change of capacity due to piping length to the farthest indoor unit

• When indoor units combination ratio exceeds 100% :

Maximum A/C capacity of outdoor units = A/C capacity of outdoor units obtained from capacity characteristic table at that indoor units combination ratio

$\times$  Rate of change of capacity due to piping length to the farthest indoor unit

4. When overall equivalent pipe length is 295.3ft or more, the diameter of the main liquid pipes (outdoor unit - branch sections) must be increased to below size.

Model	Liquid pipe
REYQ456TTJU • TATJU	$\phi$ 7/8
REYQ456TYDN • TAYDU	$\phi$ 7/8

## 9.4 Notes for Heating Capacity Characteristics (Heat Recovery)

### REYQ72-456TAYDU

- The capacity tables do not account for the reduction in capacity during frost accumulation or operation in defrost mode. Heating capacity which takes the above mentioned factors into consideration can be calculated as follows:

#### Formula

$$\text{Heating capacity} = A \times B \times C$$

A = Capacity value given in the capacity tables

B = Correction factor for frost accumulation

C = Correction factor for connection ratio

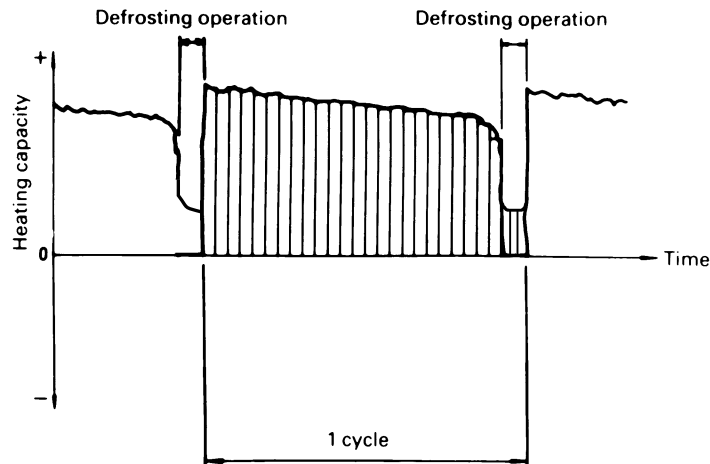
- Correction factor for frost accumulation (B)

Inlet air temperature to the outdoor unit heat exchanger (°FDB/RH85%)		19.5	23.0	26.5	32.0	37.5	41.0	44.5
Correction factor for frost accumulation	REYQ72-144TAYDU	0.97	0.95	0.9	0.86	0.87	0.92	1.0
	REYQ168TAYDU	0.96	0.94	0.89	0.85	0.86	0.91	1.0
	REYQ192-312TAYDU	0.99	0.97	0.92	0.88	0.89	0.94	1.0
	REYQ336TAYDU	0.96	0.94	0.89	0.85	0.86	0.91	1.0
	REYQ360-456TAYDU	0.98	0.96	0.91	0.87	0.88	0.93	1.0

- Correction factor for connection ratio (C)

Connection ratio	≤130%	≤140%	≤150%	≤160%	≤170%	≤180%	≤190%	≤200%
Correction factor for connection ratio	1.0	0.99	0.98	0.97	0.95	0.94	0.93	0.92

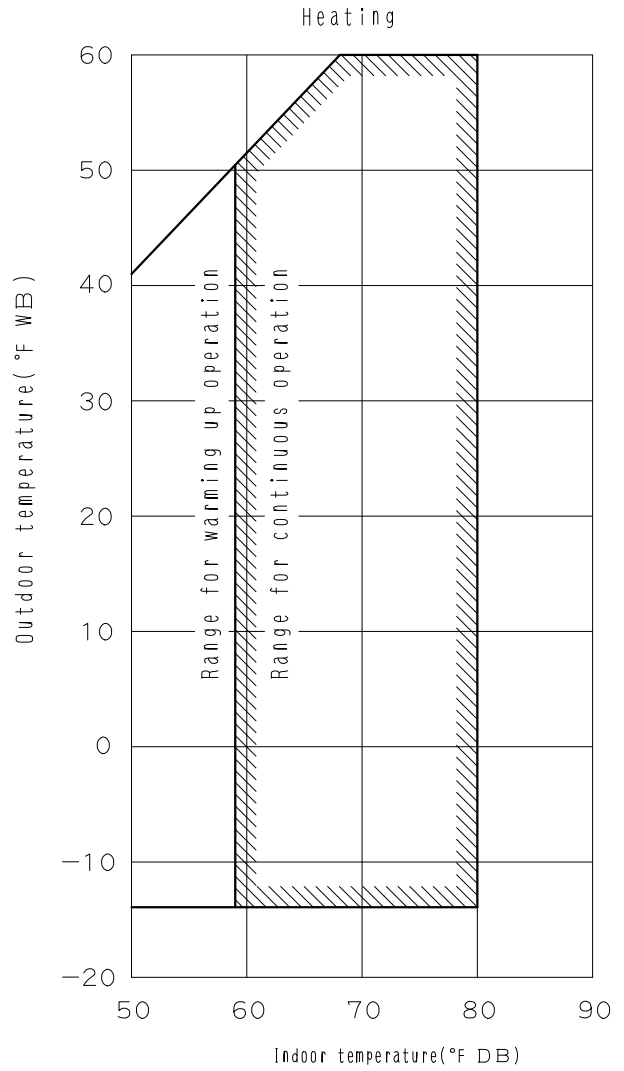
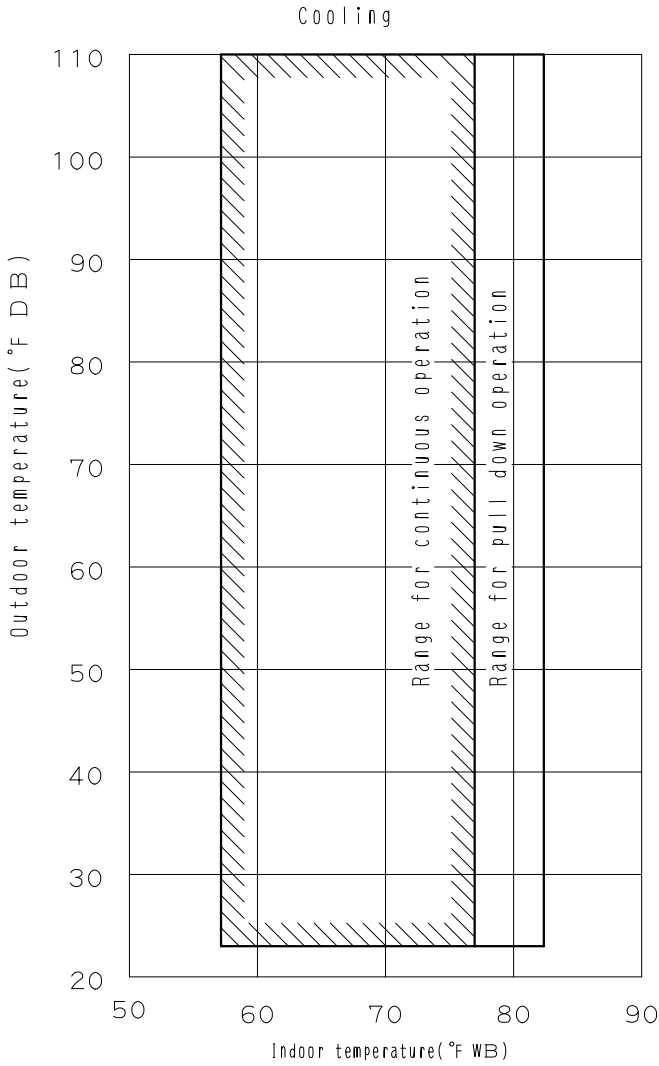
**Note:** Correction factor for frost accumulation calculated from integrated heating capacity while 1 cycle (between 2 defrosting operations) as shown in figure below.



- Accumulation of frost and / or snow on the outdoor unit heat exchanger leads to a temporary reduction in capacity. The degree of capacity reduction depends on factors such as outdoor temperature (DB), relative humidity (RH), amount of frost, etc.

# 10. Operation Limits

REYQ72-456TAYDU

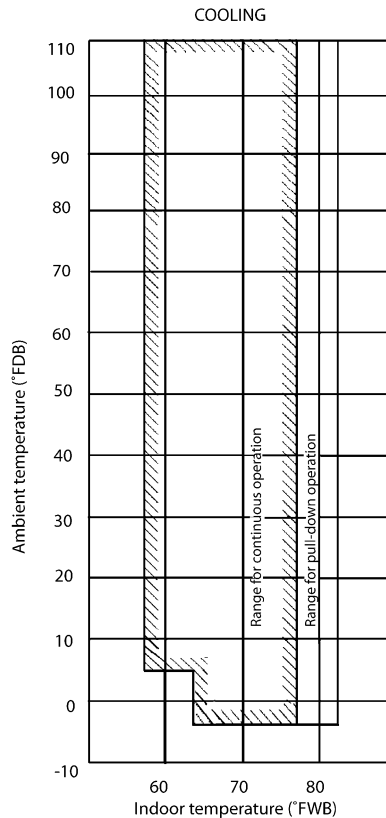


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# 11. Low Ambient Cooling Enhancement

## REYQ72-456TAYDU

- REYQ-T series include a feature for Low Ambient Cooling.
- The function enhances REYQ-T series as follows:
  - Allows operation to  $-4^{\circ}\text{FDB}$  ( $-20^{\circ}\text{CDB}$ ) ambient temperature in cooling mode. (Normal limit is  $23^{\circ}\text{FDB}$  ( $-5^{\circ}\text{CDB}$ .)
  - Operation below  $23^{\circ}\text{FDB}$  ( $-5^{\circ}\text{CDB}$ ) requires the addition of wind covers onto the outdoor unit.\*



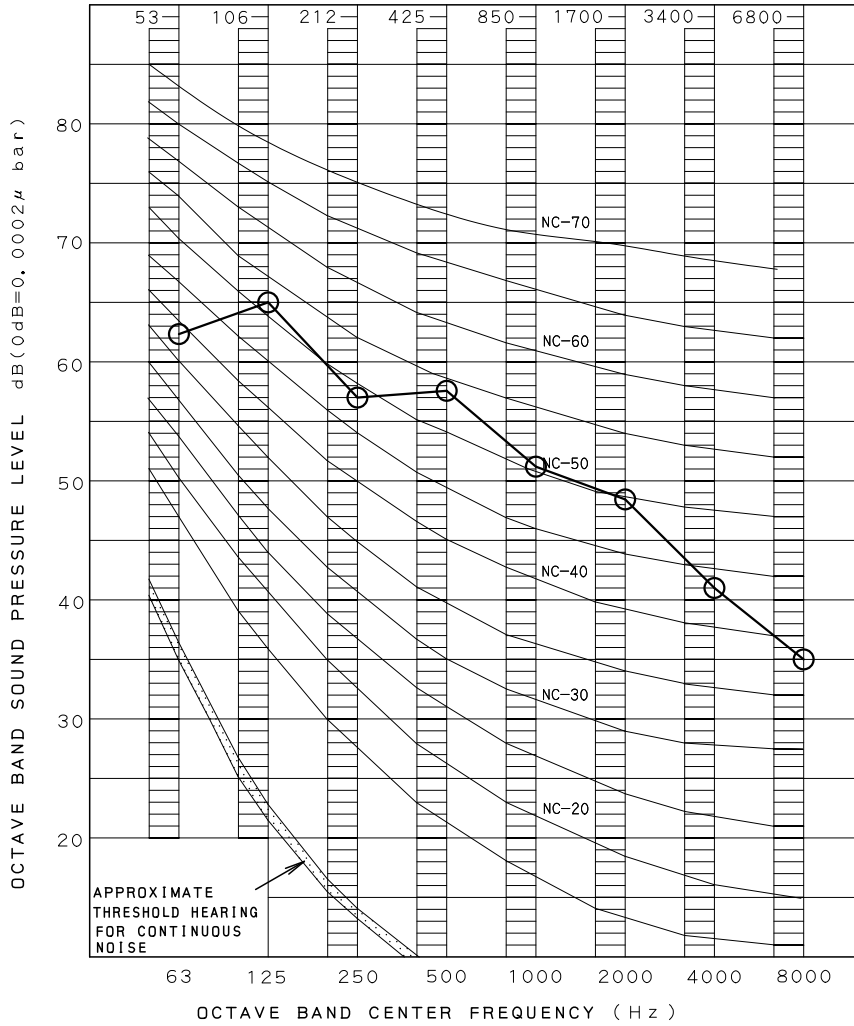
### Application Rules:

- Total connection index of each system is limited to 50-130% when height difference is 0-194 ft. (0-50 m), 80-130% when 194-295 ft. (50-90 m).
- All units on the system must be connected to a Branch Selector Box, Low ambient cooling is only available on indoor unit connected to a single branch selector box. Single and Multi-port Branch Selector Boxes may be combined on one system but all indoor units connected to a multi branch selector box will operate as standard without the low ambient cooling function.
- Function is engaged by a field setting on the outdoor unit (to enable Low Ambient Cooling) and a dip switch setting is necessary on the Single Branch Selector Boxes BSQ-T series serving the indoor units NOT subject to Low Ambient Cooling requirements.
- During operation below  $23^{\circ}\text{FDB}$  ( $-5^{\circ}\text{CDB}$ ), the available cooling capacity decreases as follows:
  - $14^{\circ}\text{FDB}$  ( $-10^{\circ}\text{CDB}$ ) - Reduces to 80% of nominal.
  - $5^{\circ}\text{FDB}$  ( $-15^{\circ}\text{CDB}$ ) - Reduces to 65% of nominal.
  - $-4^{\circ}\text{FDB}$  ( $-20^{\circ}\text{CDB}$ ) - Reduces to 60% of nominal. (Only applicable to Single-port Branch Selector Boxes)
- The operating sound level of the Single Branch Selector Boxes BSQ-T series could increase 3 dB(A) higher than maximum while the system is operating in the Low Ambient Cooling mode. It is recommended to locate units away from zones sensitive to sound levels.
- Allowable height difference between outdoor and indoor units (when outdoor unit is below) is limited to 130 ft. (40 m). (Normal limit is 195 ft. (60 m).)
  - \* **Contact your local Daikin representative for wind cover specification requirements and part numbers.**



# 12. Sound Levels (Reference Data)

REYQ72TAYDU



OVER ALL (dB)

OPERATING CONDITIONS

SCALE	60Hz
A	58

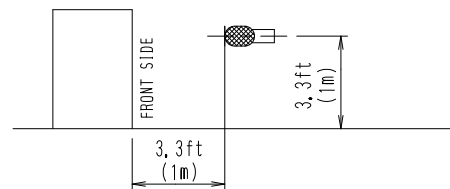
POWER SOURCE 208/230V, 460V 60Hz

(B, G, N IS ALREADY RECTIFIED)

MEASURING PLACE

LOCATION OF MICROPHONE

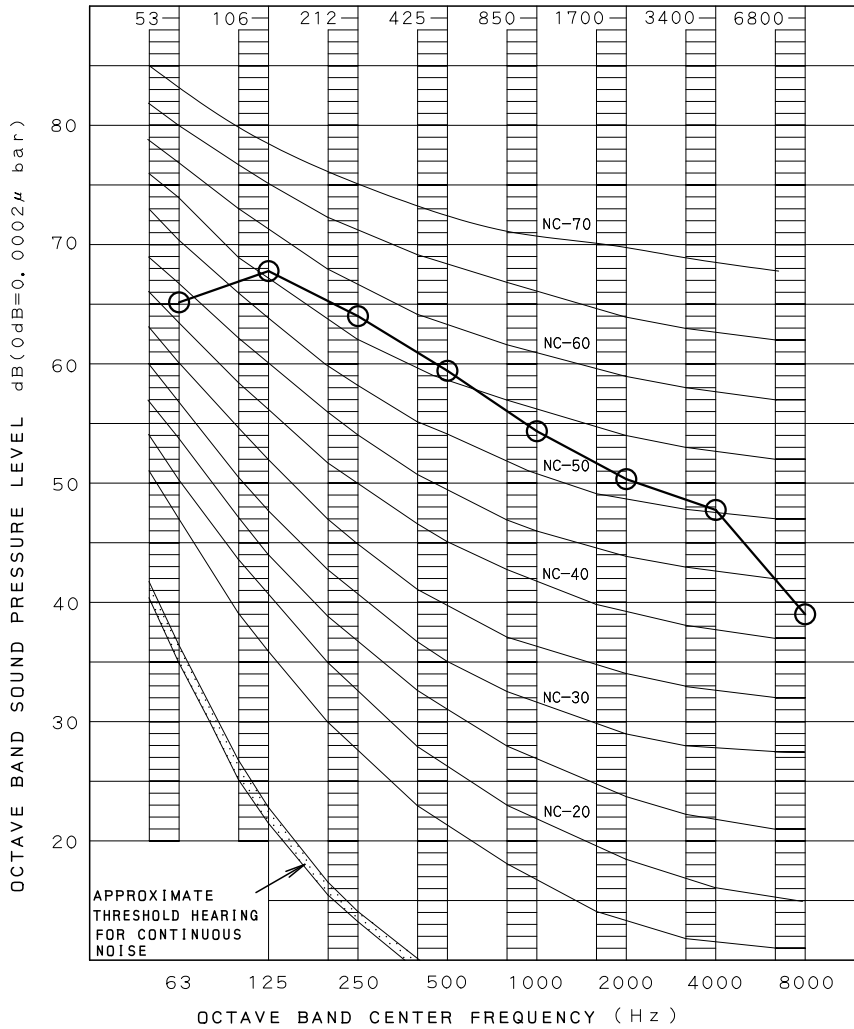
ANECHOIC CHAMBER(CONVERSION VALUE)



NOTE : THE OPERATING SOUND IS MEASURED IN ANECHOIC CHAMBER, IF IT IS MEASURED UNDER THE ACTUAL INSTALLATION CONDITIONS, IT IS NORMALLY OVER THE SET VALUE DUE TO ENVIRONMENTAL NOISE AND SOUND REFLECTION,

C: 4D093380A

REYQ96-120TAYDU



OVER ALL (dB)

OPERATING CONDITIONS

SCALE	60Hz
A	61

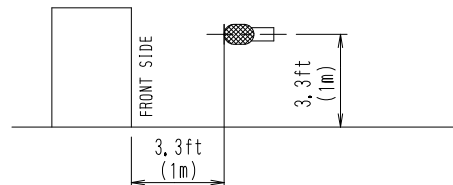
POWER SOURCE 208/230V, 460V 60Hz

(B, G, N IS ALREADY RECTIFIED)

MEASURING PLACE

LOCATION OF MICROPHONE

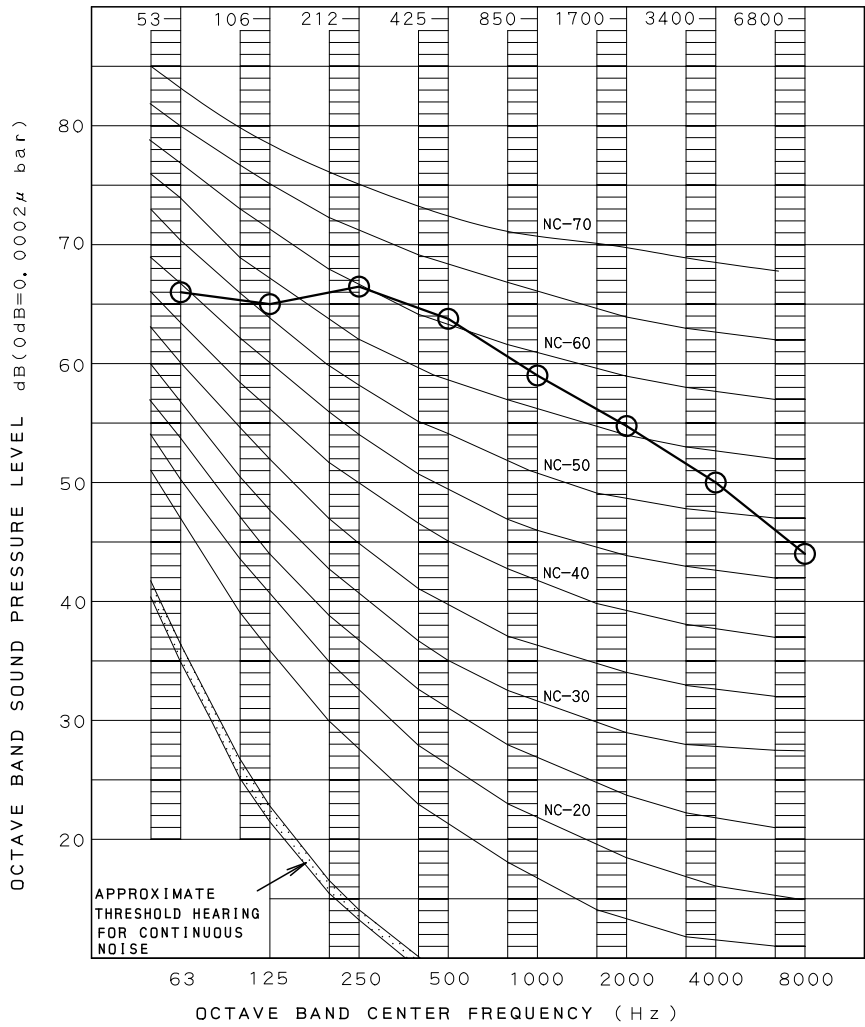
ANECHOIC CHAMBER (CONVERSION VALUE)



NOTE : THE OPERATING SOUND IS MEASURED IN ANECHOIC CHAMBER, IF IT IS MEASURED UNDER THE ACTUAL INSTALLATION CONDITIONS, IT IS NORMALLY OVER THE SET VALUE DUE TO ENVIRONMENTAL NOISE AND SOUND REFLECTION,

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REYQ144-168TAYDU



OVER ALL (dB)

OPERATING CONDITIONS

SCALE	60Hz
A	65

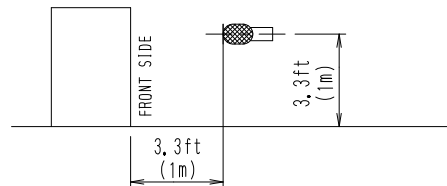
POWER SOURCE 208/230V, 460V 60Hz

(B. G. N IS ALREADY RECTIFIED)

MEASURING PLACE

LOCATION OF MICROPHONE

ANECHOIC CHAMBER (CONVERSION VALUE)



NOTE : THE OPERATING SOUND IS MEASURED IN ANECHOIC CHAMBER, IF IT IS MEASURED UNDER THE ACTUAL INSTALLATION CONDITIONS, IT IS NORMALLY OVER THE SET VALUE DUE TO ENVIRONMENTAL NOISE AND SOUND REFLECTION.

C: 4D093378A

## 13. Accessories

### 13.1 Optional Accessories

#### REYQ72-456TAYDU

Optional accessories		REYQ72TAYDU REYQ96TAYDU	REYQ120TAYDU REYQ144TAYDU REYQ168TAYDU	REYQ192TAYDU REYQ216TAYDU REYQ240TAYDU REYQ264TAYDU REYQ288TAYDU REYQ312TAYDU REYQ336TAYDU	REYQ360TAYDU REYQ384TAYDU REYQ408TAYDU REYQ432TAYDU REYQ456TAYDU
Distributive piping	REFNET header	KHRP25M33H9 (Max. 8 branch)	KHRP25M33H9 (Max. 8 branch) KHRP25M72H9 (Max. 8 branch)	KHRP25M33H9 (Max. 8 branch) KHRP25M72H9 (Max. 8 branch) KHRP25M73HU9 (Max. 8 branch)	
	REFNET joint	KHRP25A22T9 KHRP25A33T9	KHRP25A22T9 KHRP25A33T9 KHRP25M72TU9	KHRP25A22T9 KHRP25A33T9 KHRP25M72TU9 KHRP25M73TU9	
Outdoor unit multi connection piping kit		—		BHFP26P100U	BHFP26P151U

C: 3D091328F









**Warning**



- 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 enquiries, please contact your local importer, distributor and/or retailer.

**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.