

Engineering Data

RXLQ-TBTJA, 208 / 230 V

RXLQ-TBYDA, 460 V

RXLQ-TBYCA, 575 V

Heat Pump 60 Hz

R-410A



VRV
Aurora Series

RXLQ-TBTJA, 208 / 230 V

RXLQ-TBYDA, 460 V

RXLQ-TBYCA, 575 V Heat Pump

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Pre-sales Manual

1. Features and Benefits

Engineered for optimized life cycle cost, Daikin's new VRV AURORA™ Heat Pump Series completes the VRV AURORA™ family. VRV AURORA Heat Pumps demonstrate Daikin's technological leadership by offering high seasonal efficiency and capacities across the entire operational range.

- Available in 6, 8, 10 ton single modules and 12, 16, 20 ton multi-module systems
- VRF Industry's first air cooled system that delivers heating down to -22°F (-30°C) as standard
- Daikin's inverter based vapor injection compressor is designed to deliver heating capacity of up to 100% of nominal at 0°F (-18°C), up to 85% of nominal at -13°F (-25°C) and up to 60% of nominal at -22°F (-30°C)
- Refrigerant-cooled efficient and stable inverter board operation, independent of ambient conditions
- Hot gas base pan circuit allows installation without an additional drain pan heater
- Added peace of mind with Auto Changeover ability to back up (auxiliary) heat
- Year round comfort and energy efficiency delivered by combining VRV and VRT technologies
- Designed and optimized for Total Cost of Construction (TCC) and reduced Life Cycle Cost (LCC)
- Corrosion resistant, 1000 hours salt spray tested Daikin PE blue fin heat exchanger
- Ships factory standard with coil guards
- Seamless connection to all VRV M, P and T series indoor units
- Ease commissioning with ability to program settings off site using new configurator tool
- 3-digit 7-segment digital display on the unit for improved and faster configuration, commissioning, and troubleshooting
- Backed by 10 year parts limited warranty and 10 years replacement compressor limited warranty*



* Complete warranty details available from local distributor or manufacturer's representative or at www.daikincomfort.com

Specifications

RXLQ - TBTJA

Model name			RXLQ72TBTJA	RXLQ96TBTJA	RXLQ120TBTJA
Power supply			3 phase, 208/230 V, 60 Hz	3 phase, 208/230 V, 60 Hz	3 phase, 208/230 V, 60 Hz
Cooling capacity	Nominal	Btu/h (kW)	★1 72,000 (21.1)	★1 96,000 (28.1)	★3 120,000 (35.2)
	Rated		★1 69,000 (20.2)	★1 92,000 (27.0)	★3 114,000 (33.4)
Heating capacity	Nominal	Btu/h (kW)	★2 81,000 (23.7)	★2 108,000 (31.7)	★4 135,000 (39.6)
	Rated		69,000(20.2)	92,000 (26.9)	114,000 (33.4)
Casing color			Ivory white (5Y7.5/1)	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 (1,694 × 1,242 × 767)	66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767)	66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Displacement	m ³ /h	12.7	17.5	23.1
	Number of revolutions	r/min	3,738	3,294	4,350
	Motor output × Number of units	kW	3.9 × 1	5.0 × 1	6.6 × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.80 × 2	0.80 × 2	0.80 × 2
	Airflow rate	cfm (m ³ /min)	7,283 (206)	7,989 (226)	8,806 (249)
	Drive		Direct 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)	φ1/2 (12.7) C1220T (Brazing connection)
	Gas pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection)	φ7/8 (22.2) C1220T (Brazing connection)	φ1-1/8 (28.6) C1220T (Brazing connection)
Weight	lbs (kg)	727 (330)	793 (360)	793 (360)	
Sound pressure level (Reference data)	dB(A)	60 (65 ★5)	61 (67 ★5)	63.5 (67 ★5)	
Sound power level (Reference data)	dB	79	80.5	84.5	
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	10.7-100	12.8-100	11.7-100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	25.8 (11.7)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps
Drawing No.	Specification		C: 4D112564A	C: 4D112565A	C: 4D112566A
	Sound level		C: 4D107376A	C: 4D107377A	C: 4D107378A

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) for ducted indoor units, 50 ft. (15.5 m) for non-ducted indoor units, 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) for ducted indoor units, 50 ft. (15.5 m) for non-ducted indoor units, level difference: 0 ft. (0 m).
- ★3. 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) for ducted indoor units, 75 ft. (23 m) for non-ducted indoor units, level difference: 0 ft. (0 m).
- ★4. 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) for ducted indoor units, 75 ft. (23 m) for non-ducted indoor units, level difference: 0 ft. (0 m).
- ★5. Sound pressure level may increase during heating operation at ambient temps below 41°F (5°C) value in parenthesis is the max sound pressure at those conditions.

Model name (Combination Unit)			RXLQ144TBTJA	RXLQ192TBTJA	RXLQ240TBTJA
Model name (Independent Unit)			RXLQ72TBTJA RXLQ72TBTJA	RXLQ96TBTJA RXLQ96TBTJA	RXLQ120TBTJA RXLQ120TBTJA
Power supply			3 phase, 208/230 V, 60 Hz	3 phase, 208/230 V, 60 Hz	3 phase, 208/230 V, 60 Hz
Cooling capacity	Nominal	Btu/h (kW)	★1 144,000 (42.2)	★1 192,000 (56.3)	★1 240,000 (70.3)
	Rated		★1 138,000 (40.4)	★1 184,000 (53.9)	★1 228,000 (66.8)
Heating capacity	Nominal	Btu/h (kW)	★2 162,000 (47.5)	★2 216,000 (63.3)	★2 270,000 (79.1)
	Rated		138,000 (40.4)	184,000 (53.9)	228,000 (66.8)
Casing color			Ivory white (5Y7.5/1)	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)	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	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Displacement	m ³ /h	12.9 + 12.9	17.7 + 17.7	22.4 + 22.4
	Number of revolutions	r/min	3,804 + 3,804	3,342 + 3,342	4,230 + 4,230
	Motor output × Number of units	kW	4.0 × 1 + 4.0 × 1	5.1 × 1 + 5.1 × 1	6.5 × 1 + 6.5 × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	(0.80 × 2) × 2	(0.80 × 2) × 2	(0.80 × 2) × 2
	Airflow rate	cfm (m ³ /min)	7,283 + 7,283 (206 + 206)	7,989 + 7,989 (226 + 226)	8,806 + 8,806 (249 + 249)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	φ1/2 (12.7) C1220T (Brazing connection)	φ5/8 (15.9) C1220T (Brazing connection)	φ5/8 (15.9) C1220T (Brazing connection)
	Gas pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing connection)	φ1-1/8 (28.6) C1220T (Brazing connection)	φ1-3/8 (34.9) C1220T (Brazing connection)
Weight		lbs (kg)	727 + 727 (330 + 330)	793 + 793 (360 + 360)	793 + 793 (360 + 360)
Sound pressure level (Reference data)		dB(A)	63 (68 ★3)	64 (70 ★3)	67 (70 ★3)
Sound power level (Reference data)		dB	82	83.5	87.5
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	5.4-100	6.4-100	5.9-100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	25.8 + 25.8 (11.7 + 11.7)	25.8 + 25.8 (11.7 + 11.7)	25.8 + 25.8 (11.7 + 11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps
Drawing No.	Specification		C: 4D112567A	C: 4D112568A	C: 4D112569A
	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: 50 ft. (15.5 m) for ducted indoor units, 100 ft. (30.5 m) for non-ducted indoor units, 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: 50 ft. (15.5 m) for ducted indoor units, 100 ft. (30.5 m) for non-ducted indoor units, level difference: 0 ft. (0 m).
- ★3. Sound pressure level may increase during heating operation at ambient temps below 41°F (5°C) value in parenthesis is the max sound pressure at those conditions.

RXLQ - TBYDA

Model name			RXLQ72TBYDA	RXLQ96TBYDA	RXLQ120TBYDA
Power supply			3 phase, 460 V, 60 Hz	3 phase, 460 V, 60 Hz	3 phase, 460 V, 60 Hz
Cooling capacity	Nominal	Btu/h (kW)	★1 72,000 (21.1)	★1 96,000 (28.1)	★3 120,000 (35.2)
	Rated		★1 69,000 (20.2)	★1 92,000 (27.0)	★3 114,000 (33.4)
Heating capacity	Nominal	Btu/h (kW)	★2 81,000 (23.7)	★2 108,000 (31.7)	★4 135,000 (39.6)
	Rated		69,000 (20.2)	92,000 (26.9)	114,000 (33.4)
Casing color			Ivory white (5Y7.5/1)	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 (1,694 × 1,242 × 767)	66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767)	66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Displacement	m ³ /h	12.7	17.5	23.1
	Number of revolutions	r/min	3,738	3,294	4,350
	Motor output × Number of units	kW	3.9 × 1	5.0 × 1	6.6 × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.60 × 2	0.60 × 2	0.60 × 2
	Airflow rate	cfm (m ³ /min)	7,283 (206)	7,989 (226)	8,806 (249)
	Drive		Direct 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)	φ1/2 (12.7) C1220T (Brazing connection)
	Gas pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection)	φ7/8 (22.2) C1220T (Brazing connection)	φ1-1/8 (28.6) C1220T (Brazing connection)
Weight		lbs (kg)	727 (330)	793 (360)	793 (360)
Sound pressure level (Reference data)		dB(A)	60 (65 ★5)	61 (67 ★5)	63.5 (67 ★5)
Sound power level (Reference data)		dB	79	80.5	84.5
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	10.7-100	12.8-100	11.7-100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	25.8 (11.7)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps
Drawing No.	Specification		C: 4D112570A	C: 4D112571A	C: 4D112572A
	Sound level		C: 4D107376A	C: 4D107377A	C: 4D107378A

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) for ducted indoor units, 50 ft. (15.5 m) for non-ducted indoor units, 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) for ducted indoor units, 50 ft. (15.5 m) for non-ducted indoor units, level difference: 0 ft. (0 m).
- ★3. 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) for ducted indoor units, 75 ft. (23 m) for non-ducted indoor units, level difference: 0 ft. (0 m).
- ★4. 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) for ducted indoor units, 75 ft. (23 m) for non-ducted indoor units, level difference: 0 ft. (0 m).
- ★5. Sound pressure level may increase during heating operation at ambient temps below 41°F (5°C) value in parenthesis is the max sound pressure at those conditions.

Model name (Combination Unit)			RXLQ144TBYDA	RXLQ192TBYDA	RXLQ240TBYDA
Model name (Independent Unit)			RXLQ72TBYDA RXLQ72TBYDA	RXLQ96TBYDA RXLQ96TBYDA	RXLQ120TBYDA RXLQ120TBYDA
Power supply			3 phase, 460 V, 60 Hz	3 phase, 460 V, 60 Hz	3 phase, 460 V, 60 Hz
Cooling capacity	Nominal	Btu/h (kW)	★1 144,000 (42.2)	★1 192,000 (56.3)	★1 240,000 (70.3)
	Rated		★1 138,000 (40.4)	★1 184,000 (53.9)	★1 228,000 (66.8)
Heating capacity	Nominal	Btu/h (kW)	★2 162,000 (47.5)	★2 216,000 (63.3)	★2 270,000 (79.1)
	Rated		138,000 (40.4)	184,000 (53.9)	228,000 (66.8)
Casing color			Ivory white (5Y7.5/1)	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)	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	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Displacement	m ³ /h	12.9 + 12.9	17.7 + 17.7	22.4 + 22.4
	Number of revolutions	r/min	3,804 + 3,804	3,342 + 3,342	4,230 + 4,230
	Motor output × Number of units	kW	4.0 × 1 + 4.0 × 1	5.1 × 1 + 5.1 × 1	6.5 × 1 + 6.5 × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	(0.60 × 2) × 2	(0.60 × 2) × 2	(0.60 × 2) × 2
	Airflow rate	cfm (m ³ /min)	7,283 + 7,283 (206 + 206)	7,989 + 7,989 (226 + 226)	8,806 + 8,806 (249 + 249)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	φ1/2 (12.7) C1220T (Brazing connection)	φ5/8 (15.9) C1220T (Brazing connection)	φ5/8 (15.9) C1220T (Brazing connection)
	Gas pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing connection)	φ1-1/8 (28.6) C1220T (Brazing connection)	φ1-3/8 (34.9) C1220T (Brazing connection)
Weight		lbs (kg)	727 + 727 (330 + 330)	793 + 793 (360 + 360)	793 + 793 (360 + 360)
Sound pressure level (Reference data)		dB(A)	63 (68 ★3)	64 (70 ★3)	67 (70 ★3)
Sound power level (Reference data)		dB	82	83.5	87.5
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	5.4-100	6.4-100	5.9-100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	25.8 + 25.8 (11.7 + 11.7)	25.8 + 25.8 (11.7 + 11.7)	25.8 + 25.8 (11.7 + 11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps
Drawing No.	Specification		C: 4D112573A	C: 4D112574A	C: 4D112575A
	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: 50 ft. (15.5 m) for ducted indoor units, 100 ft. (30.5 m) for non-ducted indoor units, 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: 50 ft. (15.5 m) for ducted indoor units, 100 ft. (30.5 m) for non-ducted indoor units, level difference: 0 ft. (0 m).
- ★3. Sound pressure level may increase during heating operation at ambient temps below 41°F (5°C) value in parenthesis is the max sound pressure at those conditions.

RXLQ - TBYCA

Model name			RXLQ72TBYCA	RXLQ96TBYCA	RXLQ120TBYCA
Power supply			3 phase, 575 V, 60 Hz	3 phase, 575 V, 60 Hz	3 phase, 575 V, 60 Hz
Cooling capacity	Nominal	Btu/h (kW)	★1 72,000 (21.1)	★1 96,000 (28.1)	★3 120,000 (35.2)
	Rated		★1 69,000 (20.2)	★1 92,000 (27.0)	★3 114,000 (33.4)
Heating capacity	Nominal	Btu/h (kW)	★2 81,000 (23.7)	★2 108,000 (31.7)	★4 135,000 (39.6)
	Rated		69,000 (20.2)	92,000 (26.9)	114,000 (33.4)
Casing color			Ivory white (5Y7.5/1)	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 (1,694 × 1,242 × 767)	66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767)	66-11/16 × 48-7/8 × 30-3/16 (1,694 × 1,242 × 767)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Displacement	m ³ /h	12.7	17.5	23.1
	Number of revolutions	r/min	3,738	3,294	4,350
	Motor output × Number of units	kW	3.9 × 1	5.0 × 1	6.6 × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.7 × 2	0.7 × 2	0.7 × 2
	Airflow rate	cfm (m ³ /min)	7,283 (206)	7,989 (226)	8,806 (249)
	Drive		Direct 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)	φ1/2 (12.7) C1220T (Brazing connection)
	Gas pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection)	φ7/8 (22.2) C1220T (Brazing connection)	φ1-1/8 (28.6) C1220T (Brazing connection)
Weight		lbs (kg)	727 (330)	793 (360)	793 (360)
Sound pressure level (Reference data)		dB(A)	60 (65 ★5)	61 (67 ★5)	63.5 (67 ★5)
Sound power level (Reference data)		dB	79	80.5	84.5
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	10.7-100	12.8-100	11.7-100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	25.8 (11.7)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps
Drawing No.	Specification		C: 4D112544A	C: 4D112545A	C: 4D112546A
	Sound level		C: 4D107376A	C: 4D107377A	C: 4D107378A

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) for ducted indoor units, 50 ft. (15.5 m) for non-ducted indoor units, 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) for ducted indoor units, 50 ft. (15.5 m) for non-ducted indoor units, level difference: 0 ft. (0 m).
- ★3. 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) for ducted indoor units, 75 ft. (23 m) for non-ducted indoor units, level difference: 0 ft. (0 m).
- ★4. 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) for ducted indoor units, 75 ft. (23 m) for non-ducted indoor units, level difference: 0 ft. (0 m).
- ★5. Sound pressure level may increase during heating operation at ambient temps below 41°F (5°C) value in parenthesis is the max sound pressure at those conditions.

Model name (Combination Unit)			RXLQ144TBYCA	RXLQ192TBYCA	RXLQ240TBYCA
Model name (Independent Unit)			RXLQ72TBYCA RXLQ72TBYCA	RXLQ96TBYCA RXLQ96TBYCA	RXLQ120TBYCA RXLQ120TBYCA
Power supply			3 phase, 575 V, 60 Hz	3 phase, 575 V, 60 Hz	3 phase, 575 V, 60 Hz
Cooling capacity	Nominal	Btu/h (kW)	★1 144,000 (42.2)	★1 192,000 (56.3)	★1 240,000 (70.3)
	Rated		★1 138,000 (40.4)	★1 184,000 (53.9)	★1 228,000 (66.8)
Heating capacity	Nominal	Btu/h (kW)	★2 162,000 (47.5)	★2 216,000 (63.3)	★2 270,000 (79.1)
	Rated		138,000 (40.4)	184,000 (53.9)	228,000 (66.8)
Casing color			Ivory white (5Y7.5/1)	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)	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	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Displacement	m ³ /h	12.9 + 12.9	17.7 + 17.7	22.4 + 22.4
	Number of revolutions	r/min	3,804 + 3,804	3,342 + 3,342	4,230 + 4,230
	Motor output × Number of units	kW	4.0 × 1 + 4.0 × 1	5.1 × 1 + 5.1 × 1	6.5 × 1 + 6.5 × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	(0.7 × 2) × 2	(0.7 × 2) × 2	(0.7 × 2) × 2
	Airflow rate	cfm (m ³ /min)	7,283 + 7,283 (206 + 206)	7,989 + 7,989 (226 + 226)	8,806 + 8,806 (249 + 249)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	φ1/2 (12.7) C1220T (Brazing connection)	φ5/8 (15.9) C1220T (Brazing connection)	φ5/8 (15.9) C1220T (Brazing connection)
	Gas pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing connection)	φ1-1/8 (28.6) C1220T (Brazing connection)	φ1-3/8 (34.9) C1220T (Brazing connection)
Weight		lbs (kg)	727 + 727 (330 + 330)	793 + 793 (360 + 360)	793 + 793 (360 + 360)
Sound pressure level (Reference data)		dB(A)	63 (68 ★3)	64 (70 ★3)	67 (70 ★3)
Sound power level (Reference data)		dB	82	83.5	87.5
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	5.4-100	6.4-100	5.9-100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	25.8 + 25.8 (11.7 + 11.7)	25.8 + 25.8 (11.7 + 11.7)	25.8 + 25.8 (11.7 + 11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps
Drawing No.	Specification		C: 4D112547A	C: 4D112548A	C: 4D112549A
	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: 50 ft. (15.5 m) for ducted indoor units, 100 ft. (30.5 m) for non-ducted indoor units, 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: 50 ft. (15.5 m) for ducted indoor units, 100 ft. (30.5 m) for non-ducted indoor units, level difference: 0 ft. (0 m).
- ★3. Sound pressure level may increase during heating operation at ambient temps below 41°F (5°C) value in parenthesis is the max sound pressure at those conditions.

Dimensions

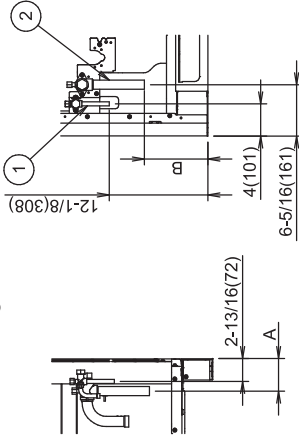
RXLQ72 - 120TBTJA / TBYDA / TBYCA

Unit : in. (mm)

- Notes
- For piping connection method (front and bottom sides), see the installation manual.
 - Gas pipe

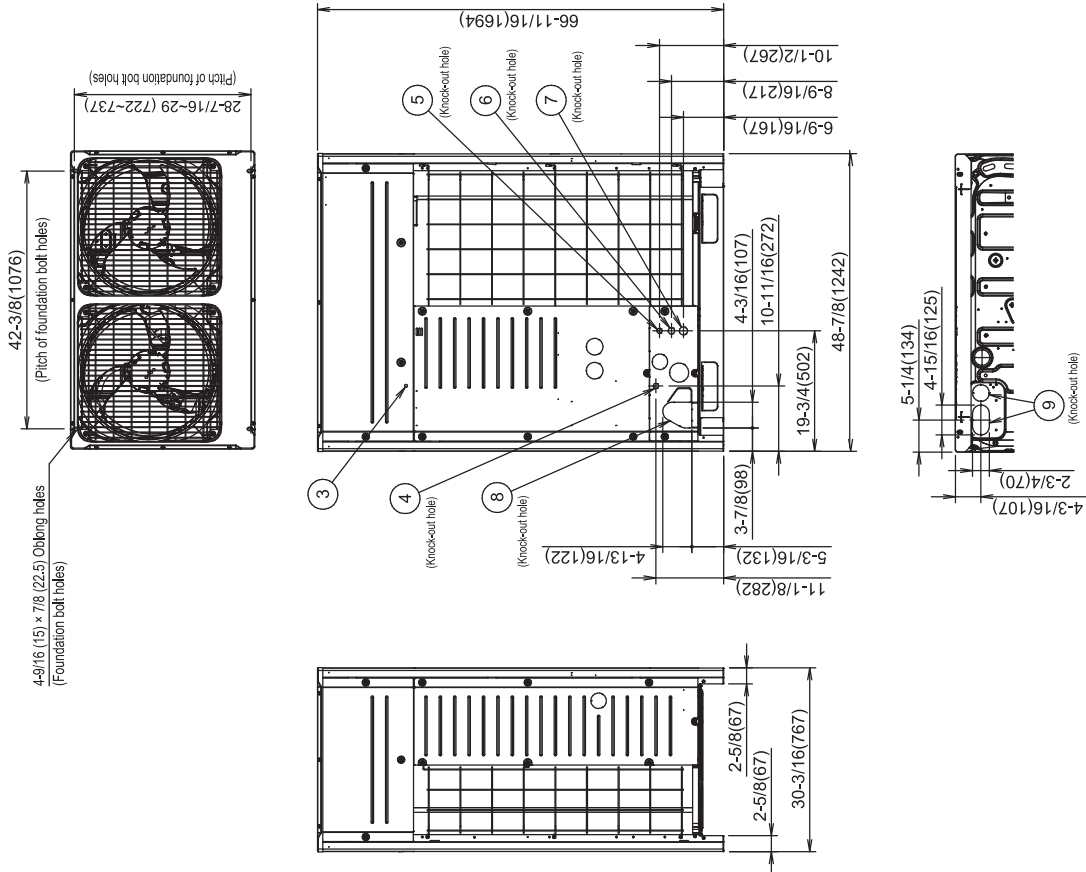
Ø1	RXLQ72TAYCA, TATJA, TAYDA
Brazing connection	RXYQ72.96, 120TAYCA
Ø1-1/8	RXLQ96, 120TAYCA, TATJA, TAYDA
Brazing connection	RXYQ144, 168TAYCA

Liquid pipe
 Ø1/2 Brazing connection



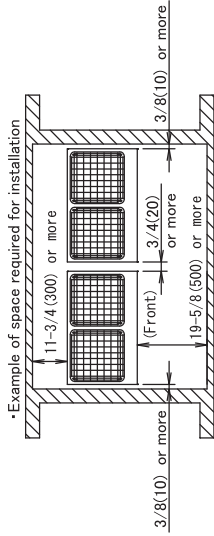
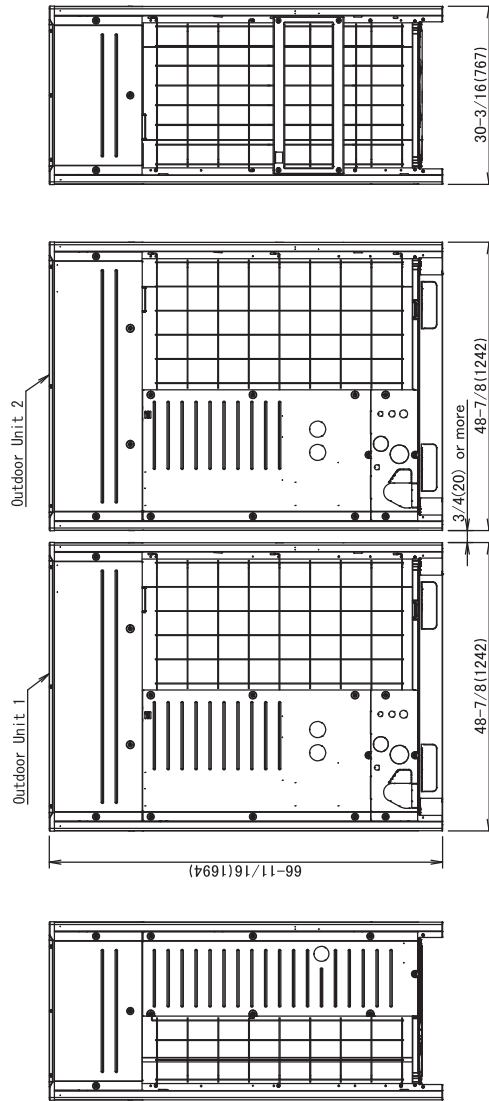
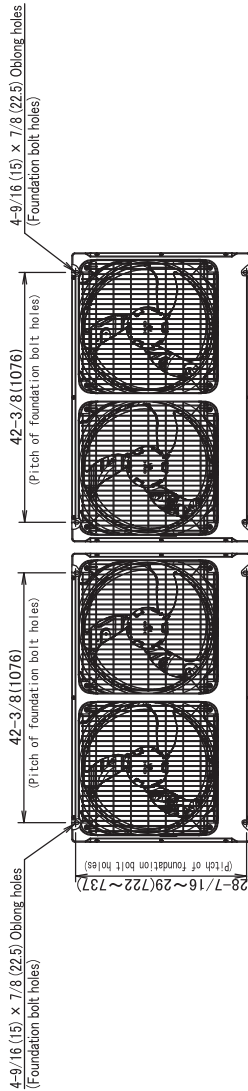
MODEL	A	B
RXLQ72TAYCU, TATJU, TAYDU	4-3/16 (107)	7-1/2 (190)
RXYQ72.96, 120TAYCU		
RXLQ 96, 120TAYCU, TATJU, TAYDU	4 (102)	7-13/16 (198)
RXYQ144, 168TAYCU		

9	Pipe routing hole (bottom)	See note 1.
8	Pipe routing hole (front)	See note 1.
7	Power cord routing hole	Ø1-3/8 (35)
6	Power cord routing hole	Ø1-1/8 (28.6)
5	Power cord routing hole	Ø7/8 (22.2)
4	Transmission wire routing hole	Ø7/8 (22.2)
3	Grounding terminal	Inside of control box (M8)
2	Gas pipe connection port	See note 2.
1	Liquid pipe connection port	See note 2.
No.	Parts name	Remarks



RXLQ144 - 240TBTJA / TBYDA / TBYCA

Unit : in. (mm)



Model Name	Outdoor Unit 1	Outdoor Unit 2	Drawing No.	Drawing No.
RXLQ144TAYCA	RXLQ72TAYCA	RXLQ72TAYCA	3D112576	3D112576
RXLQ192TAYCA	RXLQ96TAYCA	RXLQ96TAYCA	3D112576	3D112576
RXLQ240TAYCA	RXLQ120TAYCA	RXLQ120TAYCA	3D112576	3D112576
RXY0192TAYCA	RXY096TAYCA	RXY096TAYCA	3D112576	3D112576
RXY0216TAYCA	RXY096TAYCA	RXY0120TAYCA	3D112576	3D112576
RXY0240TAYCA	RXY0120TAYCA	RXY0120TAYCA	3D112576	3D112576
RXY0264TAYCA	RXY0120TAYCA	RXY0120TAYCA	3D112576	3D112576
RXY0288TAYCA	RXY0144TAYCA	RXY0144TAYCA	3D112576	3D112576
RXY0312TAYCA	RXY0144TAYCA	RXY0144TAYCA	3D112576	3D112576
RXY0336TAYCA	RXY0168TAYCA	RXY0168TAYCA	3D112576	3D112576
RXL0144TAYCA	RXLQ72TAYCA	RXLQ72TAYCA	3D112576	3D112576
RXLQ192TAYCA	RXLQ96TAYCA	RXLQ96TAYCA	3D112576	3D112576
RXLQ240TAYCA	RXLQ120TAYCA	RXLQ120TAYCA	3D112576	3D112576
RXLQ144TAYDA	RXLQ72TAYDA	RXLQ72TAYDA	3D112576	3D112576
RXLQ192TAYDA	RXLQ96TAYDA	RXLQ96TAYDA	3D112576	3D112576
RXLQ240TAYDA	RXLQ120TAYDA	RXLQ120TAYDA	3D112576	3D112576

- Notes :
- Heights of walls of this example;
 - 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).
 - 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 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.

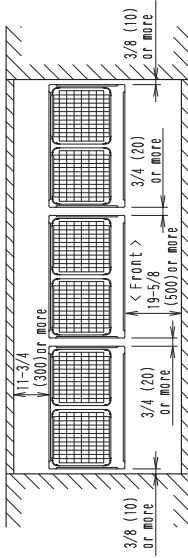
Service Space

RXLQ72 - 240TBTJA / TBYDA / TBYCA

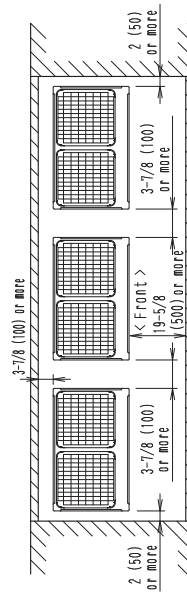
Unit : in. (mm)

For installation in rows

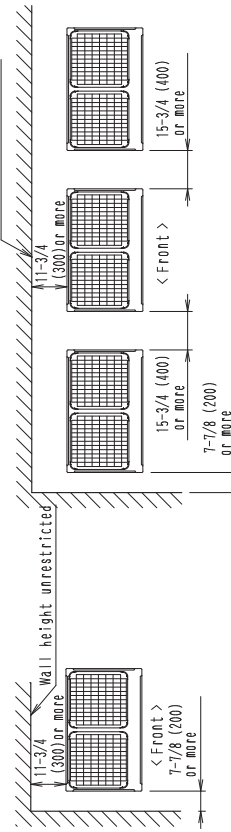
← Pattern 1 →



← Pattern 2 →

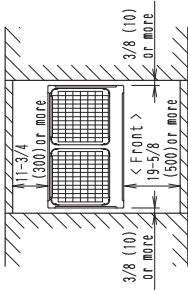


← Pattern 3 →

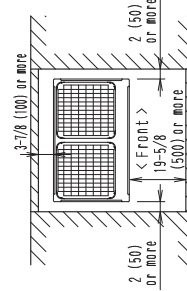


For single unit installation

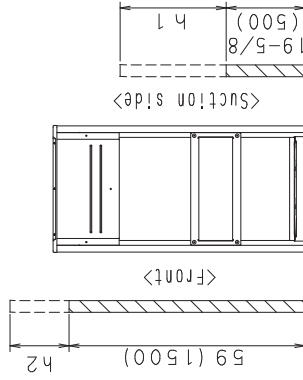
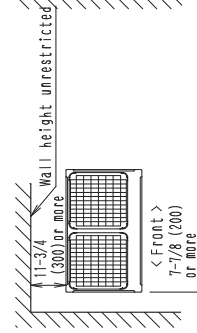
← Pattern 1 →



← Pattern 2 →



← Pattern 3 →



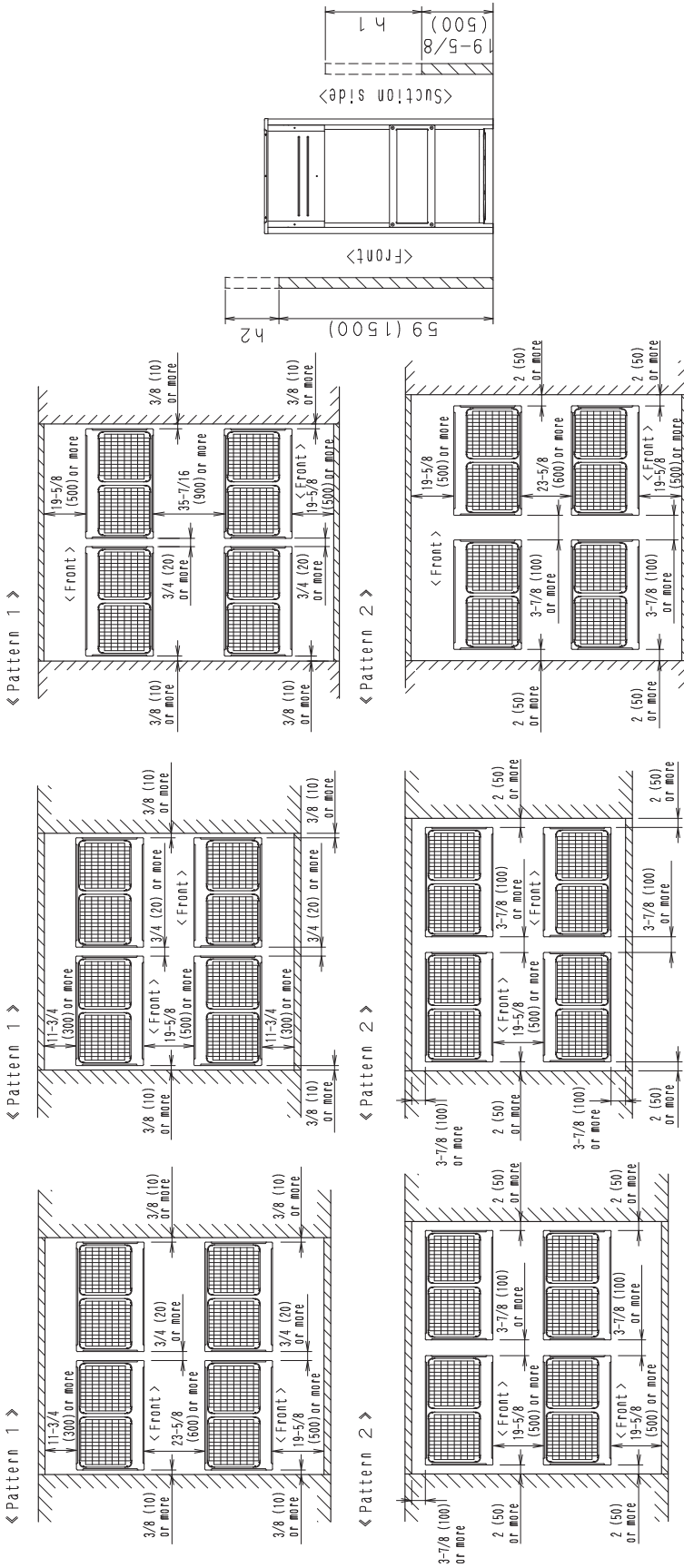
Notes:

- 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)
- 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.

RXLQ72 - 240TBTJA / TBYDA / TBYCA

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

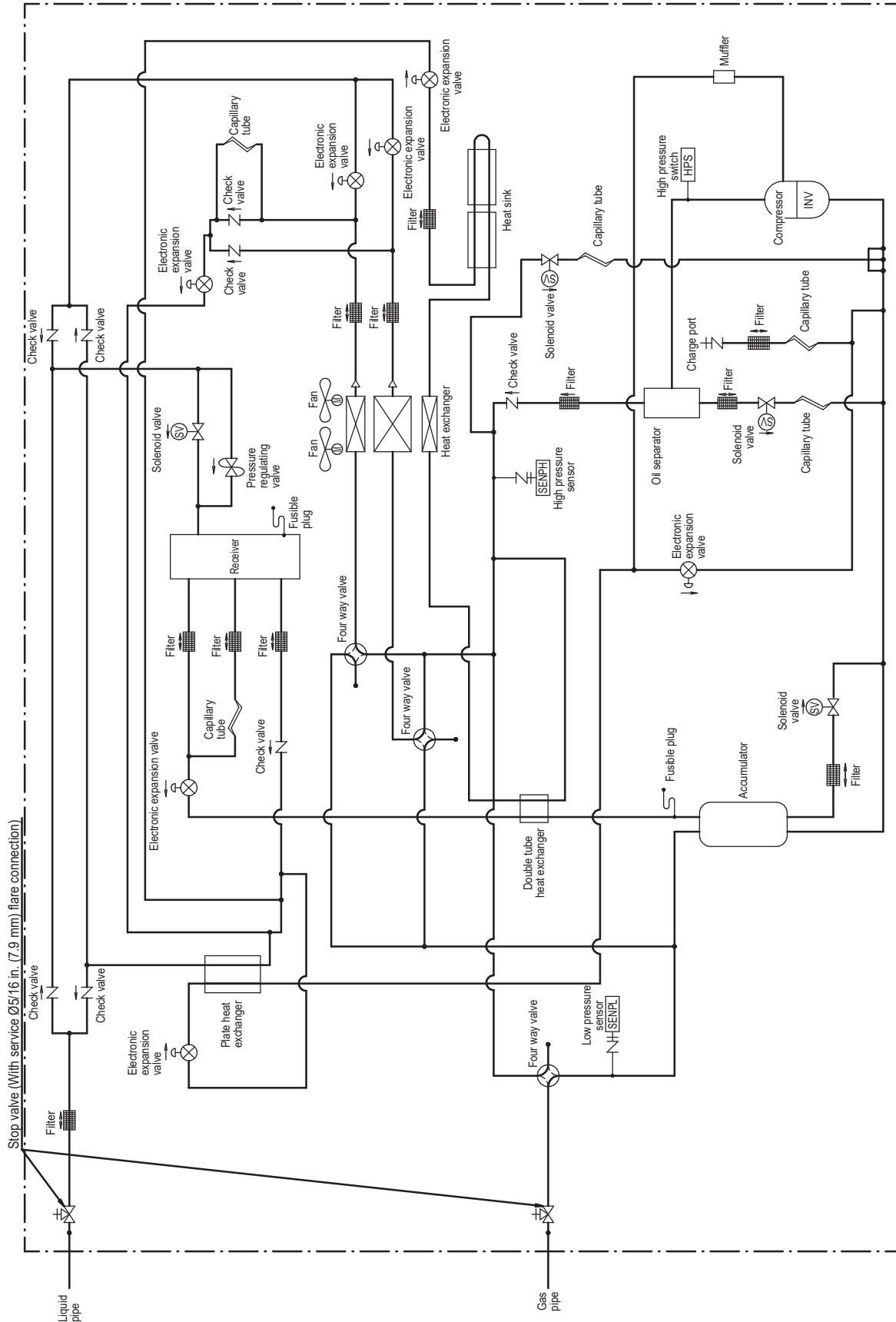
The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95°FDB (35°CDB).

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

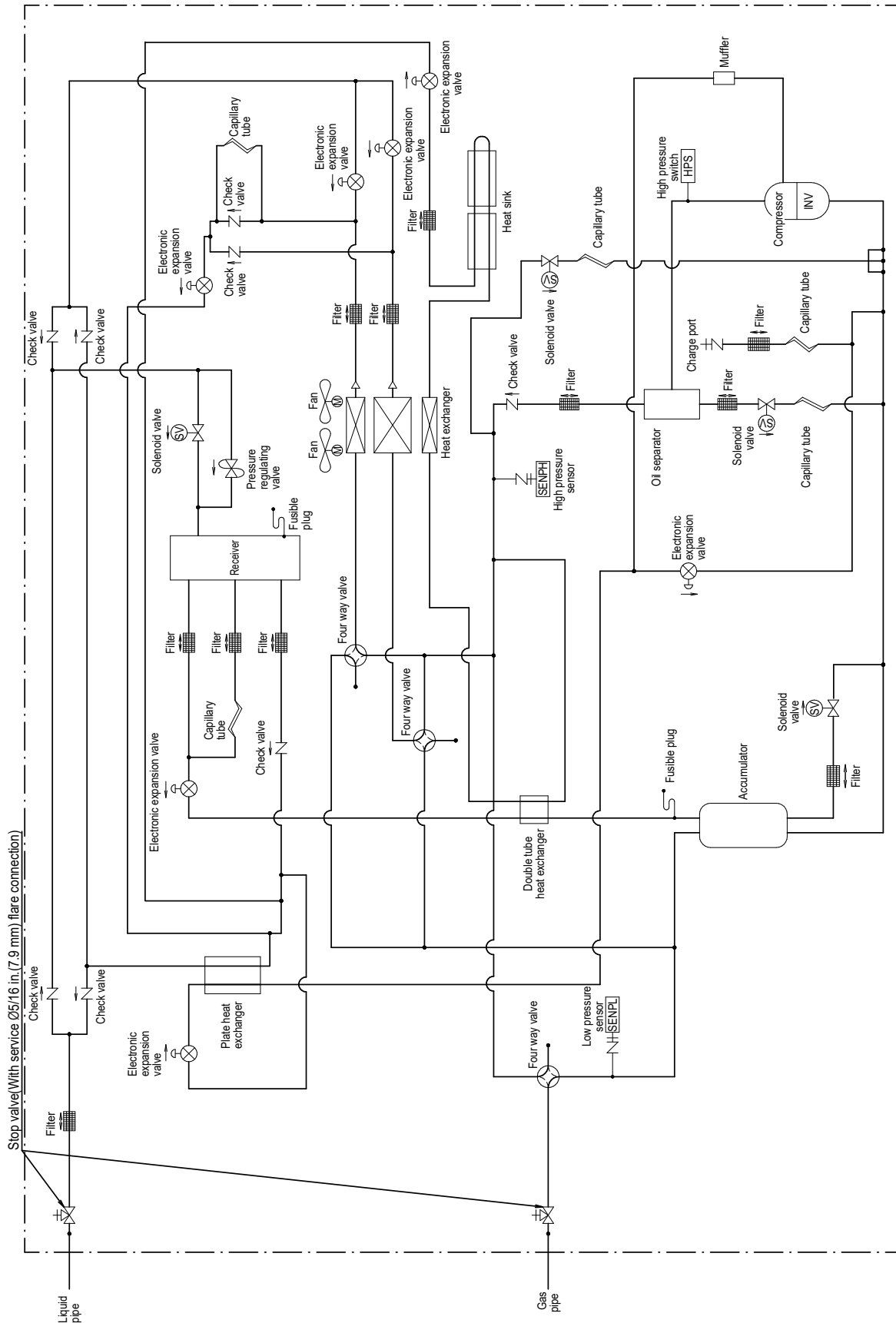
- Design outdoor temperature becomes over 95°FDB (35°CDB).
 - Operating over max. operating load (In case of causing a heavy heating load at indoor unit side)
2. If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown 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.

Piping Diagrams

RXLQ72TBTJA / TBYDA / TBYCA

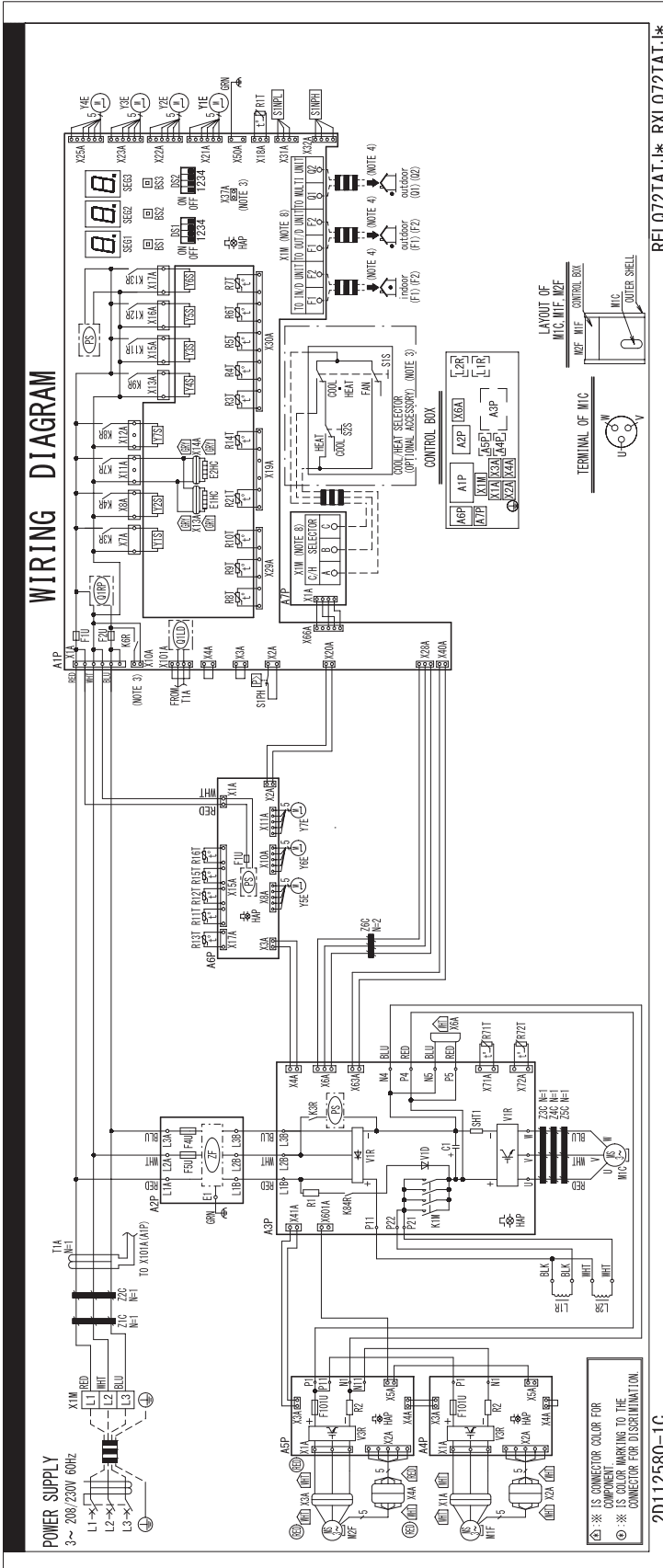


RXLQ96 - 120TBTJA / TBYDA / TBYCA



Wiring Diagrams

RXLQ72TBTJA



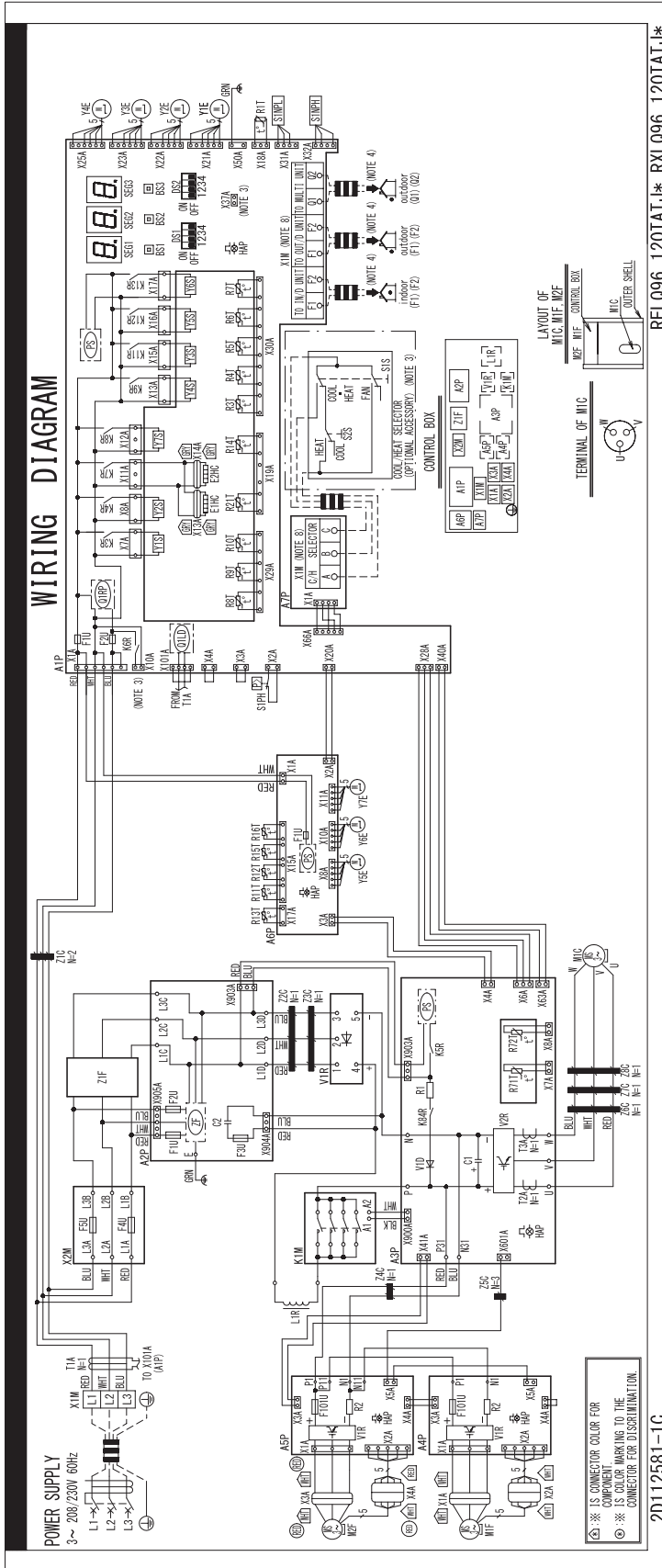
NOTES

1. THIS WIRING DIAGRAM APPLIES ONLY TO THE OUTDOOR UNIT.
2. : TERMINAL BLOCK, : FIELD WIRING, : TERMINAL BLOCK, : CONNECTOR.
3. WHEN USING THE OPTIONAL ADAPTOR, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
4. FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION Q1·Q2, REFER TO THE INSTALLATION MANUAL OF OUTDOOR-MULTI TRANSMISSION Q1·Q2, REFER TO THE SERVICE PRECAUTION LABEL ON CONTROL BOX COVER.
5. HOW TO USE BS1~3 SWITCH, REFER TO SERVICE PRECAUTION LABEL ON CONTROL BOX COVER.
6. WHEN OPERATING, DO NOT SHORTCIRCUIT THE PROTECTION DEVICE(S1PH).
7. COLORS BLK : BLACK ; RED : RED ; BLU : BLUE ; WHT : WHITE ; GRN : GREEN ; GRY : GRAY ; YLW : YELLOW.
8. CLASS 2 WIRE

RXLQ72TBTJA

A1P	PRINTED CIRCUIT BOARD (MAIN)	R12T	THERMISTOR (COMPSUCTION)
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R13T	THERMISTOR (RECEIVER GAS PURGE)
A3P	PRINTED CIRCUIT BOARD (INV)	R14T	THERMISTOR (M1C BODY)
A4P, A5P	PRINTED CIRCUIT BOARD (FAN)	R15T	THERMISTOR (LEAK DETECTION)
A6P	PRINTED CIRCUIT BOARD (SUB)	R16T	THERMISTOR (EVT)
A7P	PRINTED CIRCUIT BOARD (ABC I/P)	R21T	THERMISTOR (M1C DISCHARGE)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE, SET, RETURN)	R71T	THERMISTOR (L1R)
C1	CAPACITOR (A3P)	R72T	THERMISTOR (L2R)
DS1, DS2	DIP SWITCH (A1P)	S1NPH	PRESSURE SENSOR (HIGH)
E1HC, E2HC	CRANKCASE HEATER	S1NPL	PRESSURE SENSOR (LOW)
F1U	FUSE (A1P, A6P)	S1PH	PRESSURE SWITCH (HIGH)
F2U	FUSE (A1P)	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
F101U	FUSE (A4P, A5P)	SHT1	CURRENT SENSOR (A3P)
F4U, F5U	FUSE (A2P)	T1A	CURRENT SENSOR
HAP	PILOT LAMP (A1P, A3P~A6P) (SERVICE MONITOR-GREEN)	V1D	DIODE (A3P)
K3R	MAGNETIC RELAY (A3P)	V1R	POWER MODULE (A3P)
K1M	MAGNETIC CONTACTOR (A4P)	V3R	POWER MODULE (A4P, A5P)
K3R	MAGNETIC RELAY (Y1S) (A1P)	X1A, X2A	CONNECTOR (M1F)
K4R	MAGNETIC RELAY (Y2S) (A1P)	X3A, X4A	CONNECTOR (M2F)
K6R	MAGNETIC RELAY (OPTION) (A1P)	X6A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
K7R	MAGNETIC RELAY (E1HC, E2HC) (A1P)	X13A, X14A	CONNECTOR (E1HC, E2HC)
K8R	MAGNETIC RELAY (Y7S) (A1P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
K9R	MAGNETIC RELAY (Y4S) (A1P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K11R	MAGNETIC RELAY (Y3S) (A1P)	X1M	TERMINAL BLOCK (ABC I/P) (A7P)
K12R	MAGNETIC RELAY (Y5S) (A1P)	Y1E	ELECTRIC EXPANSION VALVE (HEAT EXC. UPPER)
K13R	MAGNETIC RELAY (Y6S) (A1P)	Y2E	ELECTRIC EXPANSION VALVE (SUBCOOL HEAT EXC.)
K84R	MAGNETIC RELAY (A3P)	Y3E	ELECTRIC EXPANSION VALVE (HEAT EXC. LOWER)
L1R, L2R	REACTOR	Y4E	ELECTRIC EXPANSION VALVE (INJECTION)
M1C	MOTOR (COMPRESSOR)	Y5E	ELECTRIC EXPANSION VALVE (REFRIGERAT COOLING)
M1F, M2F	MOTOR (FAN)	Y6E	ELECTRIC EXPANSION VALVE (LEAK DETECTION)
PS	SWITCHING POWER SUPPLY (A1P, A3P, A6P)	Y7E	ELECTRIC EXPANSION VALVE (RECEIVER GAS PURGE)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)	Y1S	SOLENOID VALVE (OS OIL RETURN 1)
Q1RP	REVERSE PHASE PROTECTOR CIRCUIT (A1P)	Y2S	SOLENOID VALVE (HOT GAS BYPASS)
R1	RESISTOR (CURRENT LIMITING) (A3P)	Y3S	SOLENOID VALVE (LIQUID SHUT OFF)
R2	RESISTOR (CURRENT SENSOR) (A4P, A5P)	Y4S	4WAY VALVE (HP/LP GAS)
R1T	THERMISTOR (AIR)	Y5S	4WAY VALVE (HEAT EXC. LOWER)
R3T	THERMISTOR (RECEIVER INLET)	Y6S	4WAY VALVE (HEAT EXC. UPPER)
R4T	THERMISTOR (HEAT EXC. LIQUID UPPER)	Y7S	SOLENOID VALVE (ACCUMU OIL RETURN)
R5T	THERMISTOR (HEAT EXC. LIQUID LOWER)	Z1C~Z6C	NOISE FILTER (FERRITE CORE)
R6T	THERMISTOR (SUBCOOL GAS)	ZF	NOISE FILTER (A2P) (WITH SURGE ABSORBER)
R7T	THERMISTOR (SUBCOOL LIQUID)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R8T	THERMISTOR (HEAT EXC. GAS UPPER)	X37A	CONNECTOR (POWER ADAPTER) (A1P)
R9T	THERMISTOR (HEAT EXC. GAS LOWER)	COOL/HEAT SELECTOR	
R10T	THERMISTOR (SUCTION)	S1S	SELECTOR SWITCH (FAN/COOL·HEAT)
R11T	THERMISTOR (DEICER)	S2S	SELECTOR SWITCH (COOL/HEAT)

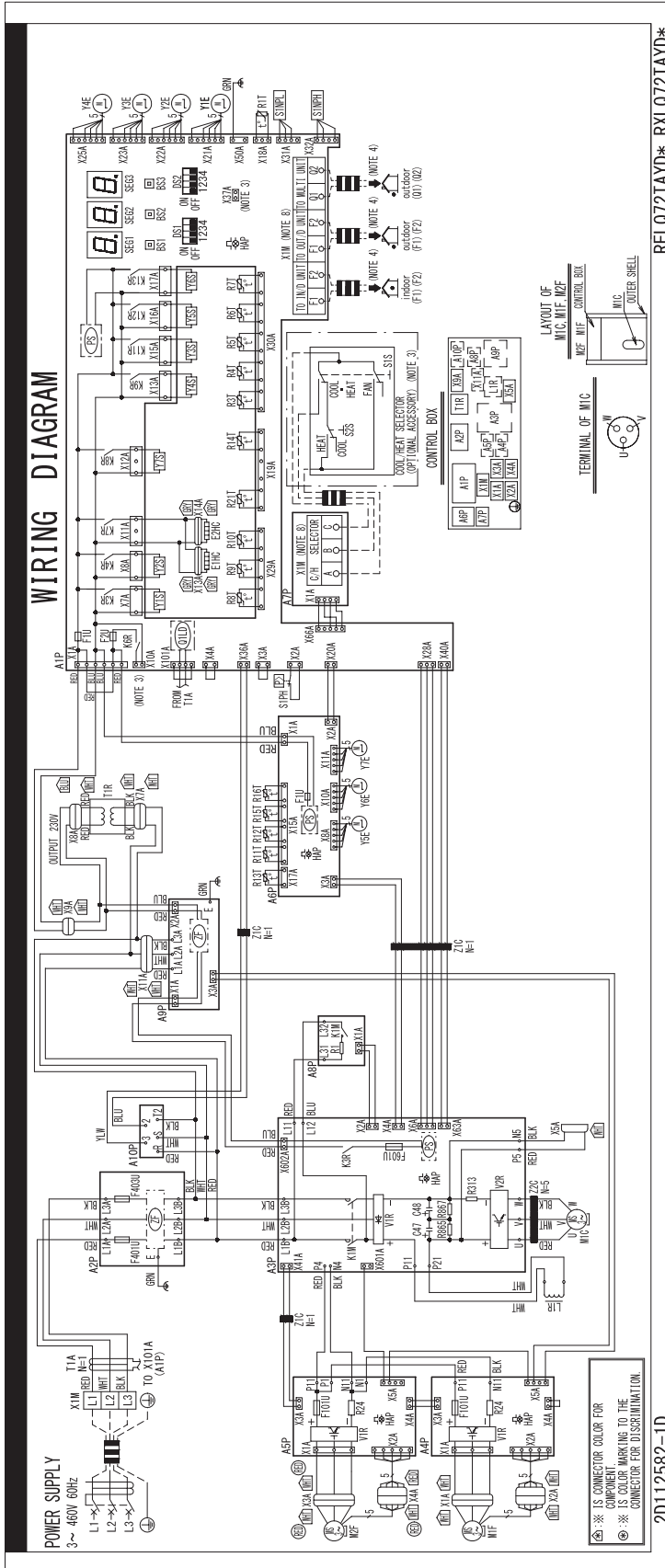
RXLQ96 - 120TBTJA



RXLQ96 - 120TBTJA

A1P	PRINTED CIRCUIT BOARD (MAIN)	R12T	THERMISTOR (COMPSUCTION)
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R13T	THERMISTOR (RECEIVER GAS PURGE)
A3P	PRINTED CIRCUIT BOARD (INV)	R14T	THERMISTOR (M1C BODY)
A4P, A5P	PRINTED CIRCUIT BOARD (FAN)	R15T	THERMISTOR (LEAK DETECTION)
A6P	PRINTED CIRCUIT BOARD (SUB)	R16T	THERMISTOR (EVT)
A7P	PRINTED CIRCUIT BOARD (ABC I/P)	R21T	THERMISTOR (M1C DISCHARGE)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE, SET, RETURN)	R71T	THERMISTOR (POWER MODULE) (A3P)
C1	CAPACITOR (A3P)	R72T	THERMISTOR (DIODE) (A3P)
C2	CAPACITOR (A2P)	S1NPH	PRESSURE SENSOR (HIGH)
DS1, DS2	DIP SWITCH (A1P)	S1NPL	PRESSURE SENSOR (LOW)
E1HC, E2HC	CRANKCASE HEATER	S1PH	PRESSURE SWITCH (HIGH)
F1U	FUSE (A1P, A2P, A6P)	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
F2U	FUSE (A1P, A2P)	T1A	CURRENT SENSOR
F3U	FUSE (A2P)	T2A, T3A	CURRENT SENSOR (A3P)
F4U, F5U	FUSE (X2M)	V1D	DIODE (A3P)
F101U	FUSE (A4P,A5P)	V1R	DIODE BRIDGE
HAP	PILOTLAMP (A1P, A3P~A6P) (SERVICE MONITOR-GREEN)	V2R	POWER MODULE (A3P)
K1M	MAGNETIC CONTACTOR (A4P)	V3R	POWER MODULE (A4P, A5P)
K3R	MAGNETIC RELAY (Y1S) (A1P)	X1A, X2A	CONNECTOR (M1F)
K4R	MAGNETIC RELAY (Y2S) (A1P)	X3A, X4A	CONNECTOR (M2F)
K5R	MAGNETIC RELAY (A3P)	X13A, X14A	CONNECTOR (E1HC, E2HC)
K6R	MAGNETIC RELAY (OPTION) (A1P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
K7R	MAGNETIC RELAY (E1HC, E2HC) (A1P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K8R	MAGNETIC RELAY (Y7S) (A1P)	X1M	TERMINAL BLOCK (ABC I/P) (A7P)
K9R	MAGNETIC RELAY (Y4S) (A1P)	X2	TERMINAL BLOCK (FUSE)
K11R	MAGNETIC RELAY (Y3S) (A1P)	Y1E	ELECTRIC EXPANSION VALVE (HEAT EXC. UPPER)
K12R	MAGNETIC RELAY (Y5S) (A1P)	Y2E	ELECTRIC EXPANSION VALVE (SUBCOOL HEAT EXC.)
K13R	MAGNETIC RELAY (Y6S) (A1P)	Y3E	ELECTRIC EXPANSION VALVE (HEAT EXC. LOWER)
K84R	MAGNETIC RELAY (A3P)	Y4E	ELECTRIC EXPANSION VALVE (INJECTION)
L1R	REACTOR	Y5E	ELECTRIC EXPANSION VALVE (REFRIGERAT COOLING)
M1C	MOTOR (COMPRESSOR)	Y6E	ELECTRIC EXPANSION VALVE (LEAK DETECTION)
M1F, M2F	MOTOR (FAN)	Y7E	ELECTRIC EXPANSION VALVE (RECEIVER GAS PURGE)
PS	SWITCHING POWER SUPPLY (A1P, A3P, A6P)	Y1S	SOLENOID VALVE (OS OIL RETURN 1)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)	Y2S	SOLENOID VALVE (HOT GAS BYPASS)
Q1RP	REVERSE PHASE PROTECTOR CIRCUIT (A1P)	Y3S	SOLENOID VALVE (LIQUID SHUT OFF)
R1	RESISTOR (CURRENT LIMITING) (A3P)	Y4S	4WAY VALVE (HP/LP GAS)
R2	RESISTOR (CURRENT SENSOR) (A4P, A5P)	Y5S	4WAY VALVE (HEAT EXC. LOWER)
R1T	THERMISTOR (AIR)	Y6S	4WAY VALVE (HEAT EXC. UPPER)
R3T	THERMISTOR (RECEIVER INLET)	Y7S	SOLENOID VALVE (ACCUMU OIL RETURN)
R4T	THERMISTOR (HEAT EXC. LIQUID UPPER)	Z1C~Z8C	NOISE FILTER (FERRITE CORE)
R5T	THERMISTOR (HEAT EXC. LIQUID LOWER)	Z1F	NOISE FILTER
R6T	THERMISTOR (SUBCOOL GAS)	ZF	NOISE FILTER (A2P) (WITH SURGE ABSORBER)
R7T	THERMISTOR (SUBCOOL LIQUID)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R8T	THERMISTOR (HEAT EXC. GAS UPPER)	X37A	CONNECTOR (POWER ADAPTER) (A1P)
R9T	THERMISTOR (HEAT EXC. GAS LOWER)	COOL/HEAT SELECTOR	
R10T	THERMISTOR (SUCTION)	S1S	SELECTOR SWITCH (FAN/COOL·HEAT)
R11T	THERMISTOR (DEICER)	S2S	SELECTOR SWITCH (COOL/HEAT)

RXLQ72TBYDA



REL072TAYD* RXL072TAYD*

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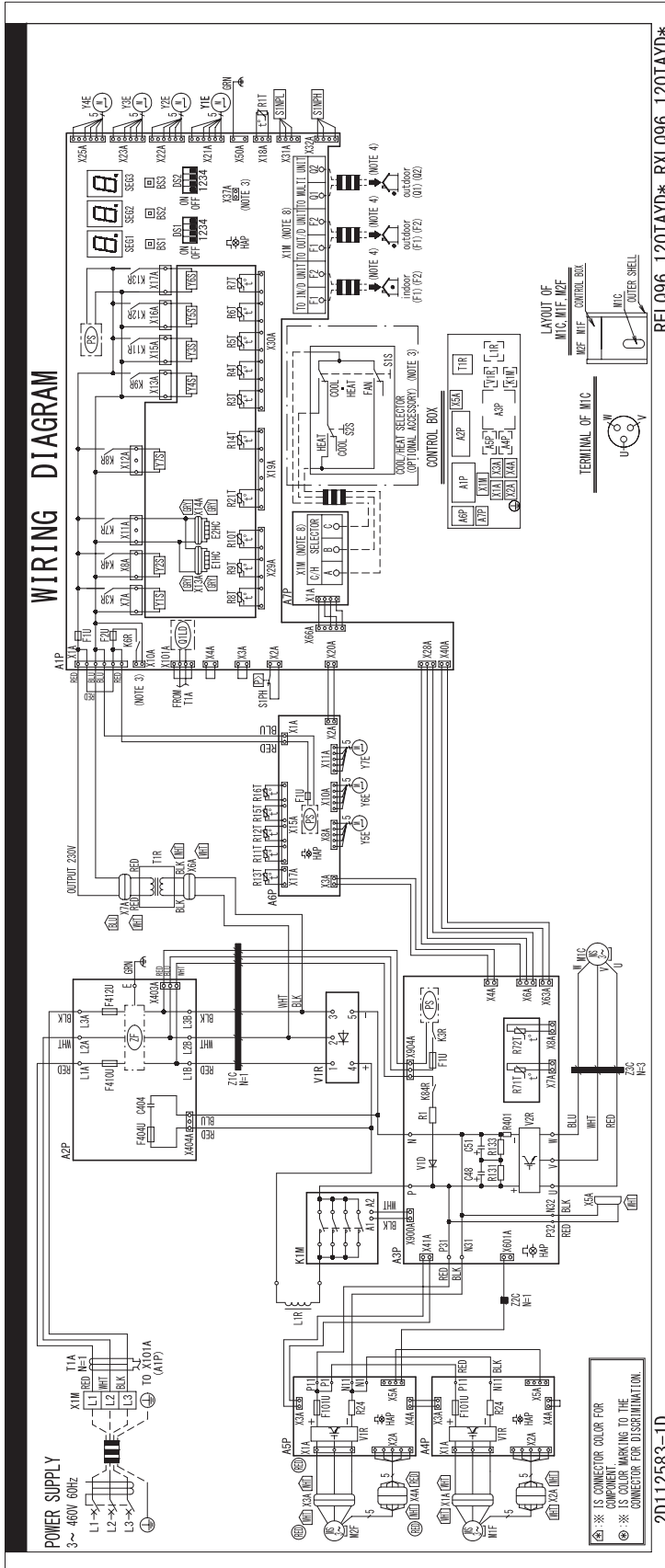
NOTES)

1. THIS WIRING DIAGRAM APPLIES ONLY TO THE OUTDOOR UNIT.
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 PRECAUTION LABEL ON CONTROL BOX COVER.
6. WHEN OPERATING, DO NOT SHORTCIRCUIT THE PROTECTION DEVICE(S1PH).
7. COLORS BLK : BLACK ; RED : RED ; BLU : BLUE ; WHT : WHITE ; GRN : GREEN ; GRAY : GRAY ; YLW : YELLOW.
8. CLASS 2 WIRE

RXLQ72TBYDA

A1P	PRINTED CIRCUIT BOARD (MAIN)	R10T	THERMISTOR (SUCTION)
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R11T	THERMISTOR (DEICER)
A3P	PRINTED CIRCUIT BOARD (INV)	R12T	THERMISTOR (COMPSUCTION)
A4P, A5P	PRINTED CIRCUIT BOARD (FAN)	R13T	THERMISTOR (RECEIVER GAS PURGE)
A6P	PRINTED CIRCUIT BOARD (SUB)	R14T	THERMISTOR (M1C BODY)
A7P	PRINTED CIRCUIT BOARD (ABC I/P)	R15T	THERMISTOR (LEAK DETECTION)
A8P	PRINTED CIRCUIT BOARD (CURRENT LIMITING)	R16T	THERMISTOR (EVT)
A9P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R21T	THERMISTOR (M1C DISCHARGE)
A10P	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	FUSE (A1P, A6P)	T1R	TRANSFORMER (460 V/230 V)
F2U	FUSE (A1P)	V1R	DIODE BRIDGE (A3P)
F101U	FUSE (A4P, A5P)	V1R	POWER MODULE (A4P, A5P)
F401U, F403U	FUSE (A2P)	V2R	POWER MODULE (A3P)
F601U	FUSE (A3P)	X1A, X2A	CONNECTOR (M1F)
HAP	PILOTLAMP (A1P, A3P~A6P) (SERVICE MONITOR-GREEN)	X3A, X4A	CONNECTOR (M2F)
K1M	MAGNETIC CONTACTOR (A3P)	X5A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
K1M	MAGNETIC CONTACTOR (A8P)	X7A, X8A	CONNECTOR (T1R)
K3R	MAGNETIC RELAY (A3P)	X9A, X11A	CONNECTOR
K3R	MAGNETIC RELAY (Y1S) (A1P)	X13A, X14A	CONNECTOR (E1HC, E2HC)
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) (A7P)
K8R	MAGNETIC RELAY (Y7S) (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 (INJECTION)
K13R	MAGNETIC RELAY (Y6S) (A1P)	Y5E	ELECTRIC EXPANSION VALVE (REFRIGERAT COOLING)
L1R	REACTOR	Y6E	ELECTRIC EXPANSION VALVE (LEAK DETECTION)
M1C	MOTOR (COMPRESSOR)	Y7E	ELECTRIC EXPANSION VALVE (RECEIVER GAS PURGE)
M1F, M2F	MOTOR (FAN)	Y1S	SOLENOID VALVE (OS OIL RETURN 1)
PS	SWITCHING POWER SUPPLY (A1P, A3P, A6P)	Y2S	SOLENOID VALVE (HOT GAS BYPASS)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)	Y3S	SOLENOID VALVE (LIQUID SHUT OFF)
R1	RESISTOR (CURRENT LIMITING) (A8P)	Y4S	4WAY VALVE (HP/LP GAS)
R24	RESISTOR (CURRENT SENSOR) (A4P, A5P)	Y5S	4WAY VALVE (HEAT EXC. LOWER)
R313	RESISTOR (CURRENT SENSOR) (A3P)	Y6S	4WAY VALVE (HEAT EXC. UPPER)
R865, R867	RESISTOR (A3P)	Y7S	SOLENOID VALVE (ACCUMU OIL RETURN)
R1T	THERMISTOR (AIR)	Z1C, Z2C	NOISE FILTER (FERRITE CORE)
R3T	THERMISTOR (RECEIVER INLET)	ZF	NOISE FILTER (A2P, A9P) (WITH SURGE ABSORBER)
R4T	THERMISTOR (HEAT EXC. LIQUID UPPER)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R5T	THERMISTOR (HEAT EXC. LIQUID LOWER)	X37A	CONNECTOR (POWER ADAPTER) (A1P)
R6T	THERMISTOR (SUBCOOL GAS)	COOL/HEAT SELECTOR	
R7T	THERMISTOR (SUBCOOL LIQUID)	S1S	SELECTOR SWITCH (FAN/COOL·HEAT)
R8T	THERMISTOR (HEAT EXC. GAS UPPER)	S2S	SELECTOR SWITCH (COOL/HEAT)
R9T	THERMISTOR (HEAT EXC. GAS LOWER)		

RXLQ96 - 120TBYDA



RELQ96.120TAYD* RXLQ96.120TAYD*

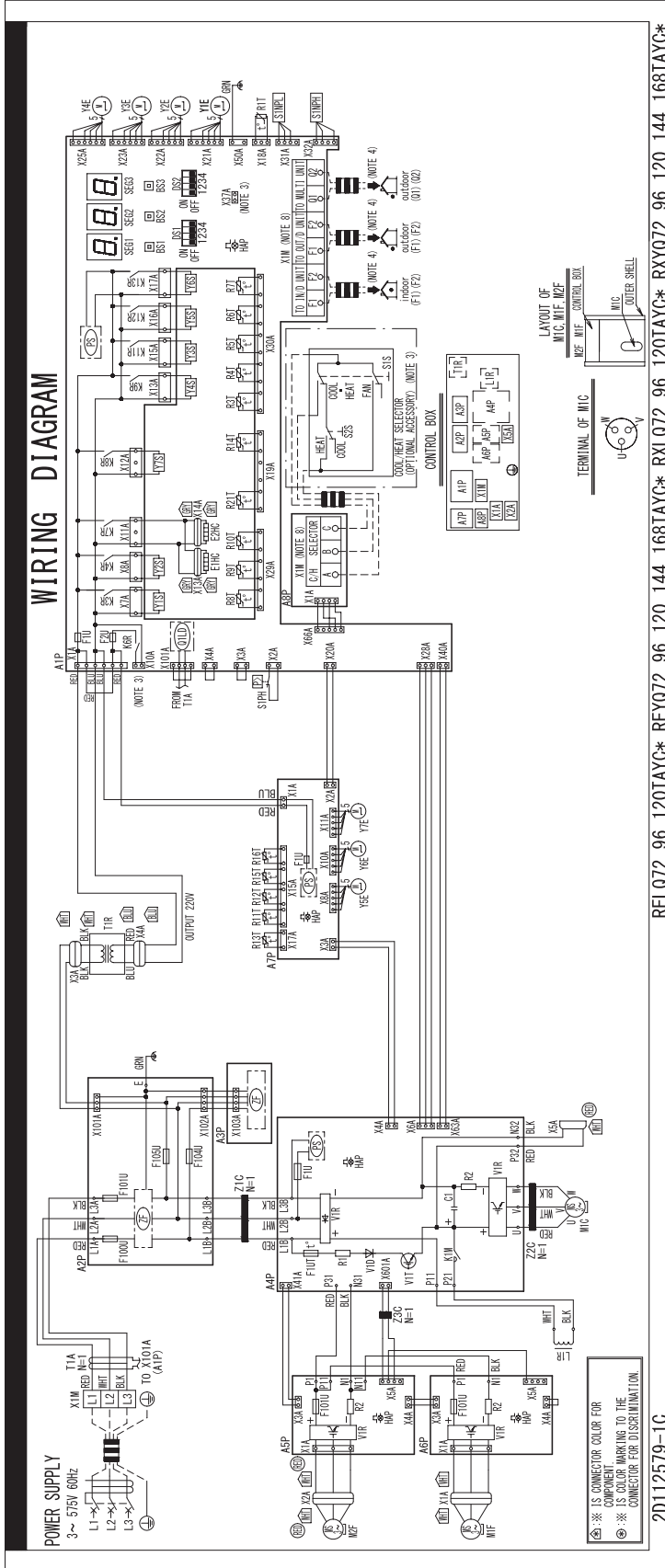
NOTES)

1. THIS WIRING DIAGRAM APPLIES ONLY TO THE OUTDOOR UNIT.
2. : FIELD WIRING, : TERMINAL BLOCK, : CONNECTOR, : 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 Q1·Q2, REFER TO THE INSTALLATION MANUAL OF INDOOR-MULTI TRANSMISSION Q1·Q2, REFER TO THE SERVICE PRECAUTION LABEL ON CONTROL BOX COVER.
5. HOW TO USE BS1-3 SWITCH, REFER TO SERVICE PRECAUTION LABEL ON CONTROL BOX COVER.
6. WHEN OPERATING, DO NOT SHORTCIRCUIT THE PROTECTION DEVICE(S1PH).
7. COLORS BLK : BLACK ; RED : RED ; BLU : BLUE ; WHT : WHITE ; GRN : GREEN ; GRY : GRAY ; YLW : YELLOW.
8. CLASS 2 WIRE

RXLQ96 - 120TBYDA

A1P	PRINTED CIRCUIT BOARD (MAIN)	R12T	THERMISTOR (COMPSUCTION)
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R13T	THERMISTOR (RECEIVER GAS PURGE)
A3P	PRINTED CIRCUIT BOARD (INV)	R14T	THERMISTOR (M1C BODY)
A4P, A5P	PRINTED CIRCUIT BOARD (FAN)	R15T	THERMISTOR (LEAK DETECTION)
A6P	PRINTED CIRCUIT BOARD (SUB)	R16T	THERMISTOR (EVT)
A7P	PRINTED CIRCUIT BOARD (ABC I/P)	R21T	THERMISTOR (M1C DISCHARGE)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE, SET, RETURN)	R71T	THERMISTOR (POWER MODULE) (A3P)
C48, C51	CAPACITOR (A3P)	R72T	THERMISTOR (DIODE) (A3P)
C404	CAPACITOR (A2P)	S1NPH	PRESSURE SENSOR (HIGH)
DS1, DS2	DIP SWITCH (A1P)	S1NPL	PRESSURE SENSOR (LOW)
E1HC, E2HC	CRANKCASE HEATER	S1PH	PRESSURE SWITCH (HIGH)
F1U	FUSE (A1P, A3P, A6P)	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
F2U	FUSE (A1P)	T1A	CURRENT SENSOR
F101U	FUSE (A4P, A5P)	T1R	TRANSFORMER (460 V/230 V)
F404U	FUSE (A2P)	V1D	DIODE (CURRENT LIMITING) (A3P)
F410U, F412U	FUSE (A2P)	V1R	DIODE BRIDGE
HAP	PILOTLAMP (A1P, A3P~A6P) (SERVICE MONITOR-GREEN)	V1R	POWER MODULE (A4P, A5P)
K1M	MAGNETIC CONTACTOR	V2R	POWER MODULE (A3P)
K3R	MAGNETIC RELAY (A3P)	X1A, X2A	CONNECTOR (M1F)
K3R	MAGNETIC RELAY (Y1S) (A1P)	X3A, X4A	CONNECTOR (M2F)
K4R	MAGNETIC RELAY (Y2S) (A1P)	X5A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
K6R	MAGNETIC RELAY (OPTION) (A1P)	X6A, X7A	CONNECTOR (T1R)
K7R	MAGNETIC RELAY (E1HC, E2HC) (A1P)	X13A, X14A	CONNECTOR (E1HC, E2HC)
K8R	MAGNETIC RELAY (Y7S) (A1P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
K9R	MAGNETIC RELAY (Y4S) (A1P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K11R	MAGNETIC RELAY (Y3S) (A1P)	X1M	TERMINAL BLOCK (ABC I/P) (A7P)
K12R	MAGNETIC RELAY (Y5S) (A1P)	Y1E	ELECTRIC EXPANSION VALVE (HEAT EXC. UPPER)
K13R	MAGNETIC RELAY (Y6S) (A1P)	Y2E	ELECTRIC EXPANSION VALVE (SUBCOOL HEAT EXC.)
K84R	MAGNETIC RELAY (A3P)	Y3E	ELECTRIC EXPANSION VALVE (HEAT EXC. LOWER)
L1R	REACTOR	Y4E	ELECTRIC EXPANSION VALVE (INJECTION)
M1C	MOTOR (COMPRESSOR)	Y5E	ELECTRIC EXPANSION VALVE (REFRIGERAT COOLING)
M1F, M2F	MOTOR (FAN)	Y6E	ELECTRIC EXPANSION VALVE (LEAK DETECTION)
PS	SWITCHING POWER SUPPLY (A1P, A3P, A6P)	Y7E	ELECTRIC EXPANSION VALVE (RECEIVER GAS PURGE)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)	Y1S	SOLENOID VALVE (OS OIL RETURN 1)
R1	RESISTOR (CURRENT LIMITING) (A3P)	Y2S	SOLENOID VALVE (HOT GAS BYPASS)
R24	RESISTOR (CURRENT SENSOR) (A4P, A5P)	Y3S	SOLENOID VALVE (LIQUID SHUT OFF)
R131, R133	RESISTOR (A3P)	Y4S	4WAY VALVE (HP/LP GAS)
R401	RESISTOR (CURRENT SENSOR) (A3P)	Y5S	4WAY VALVE (HEAT EXC. LOWER)
R1T	THERMISTOR (AIR)	Y6S	4WAY VALVE (HEAT EXC. UPPER)
R3T	THERMISTOR (RECEIVER INLET)	Y7S	SOLENOID VALVE (ACCUMU OIL RETURN)
R4T	THERMISTOR (HEAT EXC. LIQUID UPPER)	Z1C~Z3C	NOISE FILTER (FERRITE CORE)
R5T	THERMISTOR (HEAT EXC. LIQUID LOWER)	ZF	NOISE FILTER (A2P) (WITH SURGE ABSORBER)
R6T	THERMISTOR (SUBCOOL GAS)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R7T	THERMISTOR (SUBCOOL LIQUID)	X37A	CONNECTOR (POWER ADAPTER) (A1P)
R8T	THERMISTOR (HEAT EXC. GAS UPPER)	COOL/HEAT SELECTOR	
R9T	THERMISTOR (HEAT EXC. GAS LOWER)	S1S	SELECTOR SWITCH (FAN/COOL·HEAT)
R10T	THERMISTOR (SUCTION)	S2S	SELECTOR SWITCH (COOL/HEAT)
R11T	THERMISTOR (DEICER)		

RXLQ72 - 120TBYCA



RELQ72, 96, 120TAYC* REYQ72, 96, 120, 144, 168TAYC* RXYQ72, 96, 120, 144, 168TAYC*

NOTES)

1. THIS WIRING DIAGRAM APPLIES ONLY TO THE OUTDOOR UNIT.
2. : TERMINAL BLOCK, : CONNECTOR, : 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 Q1-Q2, REFER TO THE INSTALLATION MANUAL OF INDOOR-MULTI TRANSMISSION Q1-Q2, REFER TO THE INSTALLATION MANUAL.
5. HOW TO USE BS1-3 SWITCH, REFER TO SERVICE PRECAUTION LABEL ON CONTROL BOX COVER.
6. WHEN OPERATING, DO NOT SHORTCIRCUIT THE PROTECTION DEVICE(S1PH).
7. COLORS BLK : BLACK ; RED : RED ; BLU : BLUE ; WHT : WHITE ; GRN : GREEN ; GRY : GRAY ; YLW : YELLOW.
8. CLASS 2 WIRE

RXLQ72 - 120TBYCA

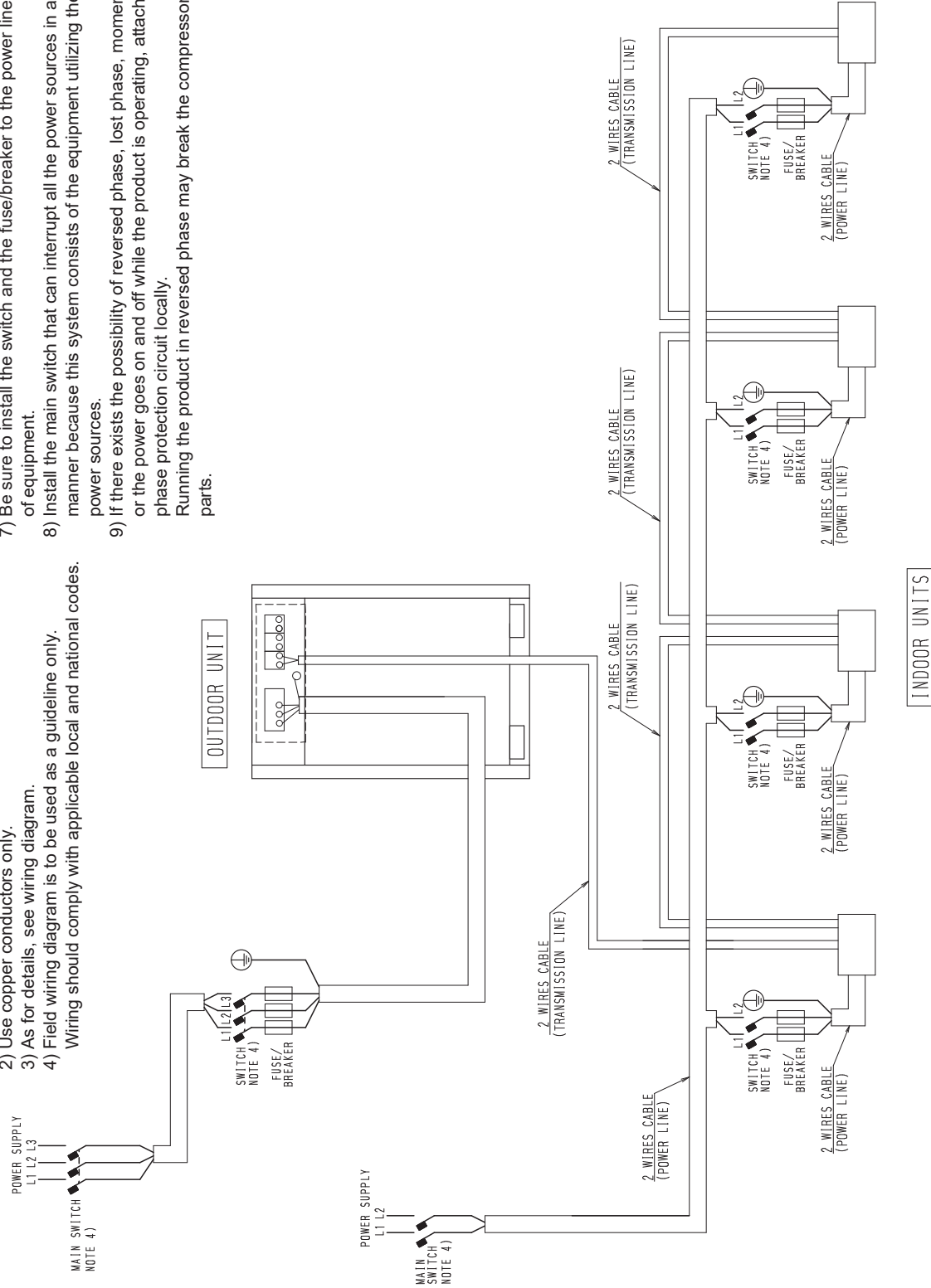
A1P	PRINTED CIRCUIT BOARD (MAIN)	R13T	THERMISTOR (RECEIVER GAS PURGE)
A2P, A3P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R14T	THERMISTOR (M1C BODY)
A4P	PRINTED CIRCUIT BOARD (INV)	R15T	THERMISTOR (LEAK DETECTION)
A5P, A6P	PRINTED CIRCUIT BOARD (FAN)	R16T	THERMISTOR (EVT)
A7P	PRINTED CIRCUIT BOARD (SUB)	R21T	THERMISTOR (M1C DISCHARGE)
A8P	PRINTED CIRCUIT BOARD (ABC I/P)	S1NPH	PRESSURE SENSOR (HIGH)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE, SET, RETURN)	S1NPL	PRESSURE SENSOR (LOW)
C1	CAPACITOR (A4P)	S1PH	PRESSURE SWITCH (HIGH)
DS1, DS2	DIP SWITCH (A1P)	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
E1HC, E2HC	CRANKCASE HEATER	T1A	CURRENT SENSOR
F1U	FUSE (A1P, A4P, A7P)	T1R	TRANSFORMER (575 V/220 V)
F2U	FUSE (A1P)	V1D	DIODE (A4P)
F101U	FUSE (A2P, A5P, A6P)	V1R	POWER MODULE (A4P)
F100U, F104U, F105U	FUSE (A2P)	V1R	POWER MODULE (A5P, A6P)
F1UT	THERMAL FUSE (A4P)	V1T	TRANSISTOR (A4P)
HAP	PILOT LAMP (A1P, A4P~A7P) (SERVICE MONITOR-GREEN)	X1A, X2A	CONNECTOR (M1F, M2F)
K1M	MAGNETIC CONTACTOR (A4P)	X5A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
K3R	MAGNETIC RELAY (Y1S) (A1P)	X3A, X4A	CONNECTOR (T1R)
K4R	MAGNETIC RELAY (Y2S) (A1P)	X13A, X14A	CONNECTOR (E1HC, E2HC)
K6R	MAGNETIC RELAY (OPTION) (A1P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
K7R	MAGNETIC RELAY (E1HC, E2HC) (A1P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K8R	MAGNETIC RELAY (Y7S) (A1P)	X1M	TERMINAL BLOCK (ABC I/P) (A8P)
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 (INJECTION)
L1R	REACTOR	Y5E	ELECTRIC EXPANSION VALVE (REFRIGERAT COOLING)
M1C	MOTOR (COMPRESSOR)	Y6E	ELECTRIC EXPANSION VALVE (LEAK DETECTION)
M1F, M2F	MOTOR (FAN)	Y7E	ELECTRIC EXPANSION VALVE (RECEIVER GAS PURGE)
PS	SWITCHING POWER SUPPLY (A1P, A4P, A7P)	Y1S	SOLENOID VALVE (OS OIL RETURN 1)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)	Y2S	SOLENOID VALVE (HOT GAS BYPASS)
R1	RESISTOR (CURRENT LIMITING) (A4P)	Y3S	SOLENOID VALVE (LIQUID SHUT OFF)
R2	RESISTOR (CURRENT SENSOR) (A4P, A5P, A6P)	Y4S	4WAY VALVE (HP/LP GAS)
R1T	THERMISTOR (AIR)	Y5S	4WAY VALVE (HEAT EXC. LOWER)
R3T	THERMISTOR (RECEIVER INLET)	Y6S	4WAY VALVE (HEAT EXC. UPPER)
R4T	THERMISTOR (HEAT EXC. LIQUID UPPER)	Y7S	SOLENOID VALVE (ACCUMU OIL RETURN)
R5T	THERMISTOR (HEAT EXC. LIQUID LOWER)	Z1C~Z3C	NOISE FILTER (FERRITE CORE)
R6T	THERMISTOR (SUBCOOL GAS)	ZF	NOISE FILTER (A2P, A3P) (WITH SURGE ABSORBER)
R7T	THERMISTOR (SUBCOOL LIQUID)		CONNECTOR FOR OPTIONAL ACCESSORIES
R8T	THERMISTOR (HEAT EXC. GAS UPPER)	X37A	CONNECTOR (POWER ADAPTER) (A1P)
R9T	THERMISTOR (HEAT EXC. GAS LOWER)		COOL/HEAT SELECTOR
R10T	THERMISTOR (SUCTION)	S1S	SELECTOR SWITCH (FAN/COOL·HEAT)
R11T	THERMISTOR (DEICER)	S2S	SELECTOR SWITCH (COOL/HEAT)
R12T	THERMISTOR (COMPSUCTION)		

Field Wiring

RXLQ72 - 120TBTJA / TBYDA / TBYCA

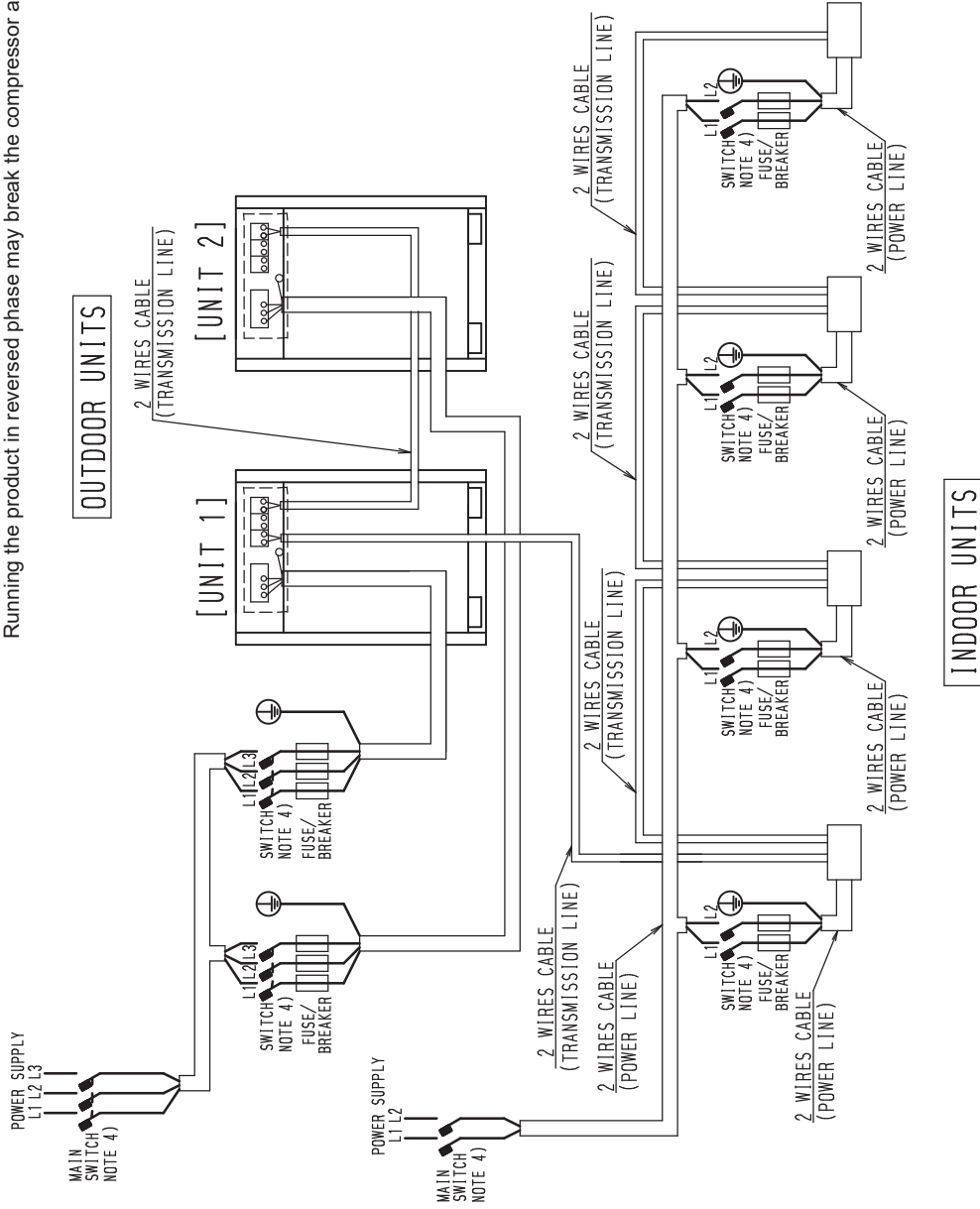
- 5) Unit shall be grounded in compliance with the applicable local and national codes.
- 6) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
- 7) Be sure to install the switch and the fuse/breaker to the power line 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.



RXLQ144 - 240TBTJA / TBYDA / TBYCA

- 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.
- 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.



Electrical Characteristics

RXLQ72 - 240TBTJA

Model name	Units				Power supply		Comp.	OFM		SCCR	
	Hz	Volts	Min.	Max.	MCA	MOP	RLA	kW	FLA		
RXLQ72TBTJA	60	208/230	187	253	60.8	70	23.9	0.80 × 2	2.9 × 2	SCCR kA rms, Symmetrical @600 V MAX: 5	
RXLQ96TBTJA	60	208/230	187	253	76.5	80	42.2	0.80 × 2	2.9 × 2		
RXLQ120TBTJA	60	208/230	187	253	83.4	90	41.4	0.80 × 2	2.9 × 2		
RXLQ144TBTJA	RXLQ72TBTJA	60	208/230	187	253	60.8 + 60.8	70 + 70	23.9 + 23.9	(0.80 × 2) × 2	(2.9 × 2) × 2	-
	RXLQ72TBTJA										
RXLQ192TBTJA	RXLQ96TBTJA	60	208/230	187	253	76.5 + 76.5	80 + 80	40.8 + 40.8	(0.80 × 2) × 2	(2.9 × 2) × 2	
	RXLQ96TBTJA										
RXLQ240TBTJA	RXLQ120TBTJA	60	208/230	187	253	83.4 + 83.4	90 + 90	41.7 + 41.7	(0.80 × 2) × 2	(2.9 × 2) × 2	
	RXLQ120TBTJA										

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:

1. 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)
2. Voltage range
 Units are designed to operate only at the rated voltage provided in the table above.
3. The maximum percent unbalance of phase voltage shall be 2%.
4. Select wire size based on the value of MCA.
5. MOP is used to select the circuit breaker.
6. Refer to electrical characteristics of each independent unit for SCCR.

RXLQ72 - 240TBYDA

Model name	Units				Power supply		Comp.	OFM		SCCR	
	Hz	Volts	Min.	Max.	MCA	MOP	RLA	kW	FLA		
RXLQ72TBYDA	60	460	416	508	28.1	35	10.4	0.6 × 2	1.0 × 2	SCCR kA rms, Symmetrical @600 V MAX: 5	
RXLQ96TBYDA	60	460	416	508	39.8	45	18.3	0.6 × 2	1.0 × 2		
RXLQ120TBYDA	60	460	416	508	43.4	50	18.0	0.6 × 2	1.0 × 2		
RXLQ144TBYDA	RXLQ72TBYDA	60	460	416	508	28.1 + 28.1	35 + 35	10.4 + 10.4	(0.6 × 2) × 2	(1.0 × 2) × 2	-
	RXLQ72TBYDA										
RXLQ192TBYDA	RXLQ96TBYDA	60	460	416	508	39.8 + 39.8	45 + 45	17.7 + 17.7	(0.6 × 2) × 2	(1.0 × 2) × 2	
	RXLQ96TBYDA										
RXLQ240TBYDA	RXLQ120TBYDA	60	460	416	508	43.4 + 43.4	50 + 50	18.2 + 18.2	(0.6 × 2) × 2	(1.0 × 2) × 2	
	RXLQ120TBYDA										

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)

Notes:

1. 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)
2. Voltage range
 Units are designed to operate only at the rated voltage provided in the table above.
3. The maximum percent unbalance of phase voltage shall be 2%.
4. Select wire size based on the value of MCA.
5. MOP is used to select the circuit breaker.
6. Refer to electrical characteristics of each independent unit for SCCR.

RXLQ72 - 240TBYCA

Model name	Units				Power supply		Comp.	OFM		SCCR	
	Hz	Volts	Min.	Max.	MCA	MOP	RLA	kW	FLA		
RXLQ72TBYCA	60	575	518	632	21.6	25	8.3	0.7 × 2	1.0 × 2	SCCR kA rms, Symmetrical @600 V MAX: 5	
RXLQ96TBYCA	60	575	518	632	28.5	35	14.7	0.7 × 2	1.0 × 2		
RXLQ120TBYCA	60	575	518	632	31.2	40	14.4	0.7 × 2	1.0 × 2		
RXLQ144TBYCA	RXLQ72TBYCA	60	575	518	632	21.6 + 21.6	25 + 25	8.3 + 8.3	(0.7 × 2) × 2	(1.0 × 2) × 2	-
	RXLQ72TBYCA										
RXLQ192TBYCA	RXLQ96TBYCA	60	575	518	632	28.5 + 28.5	35 + 35	14.2 + 14.2	(0.7 × 2) × 2	(1.0 × 2) × 2	
	RXLQ96TBYCA										
RXLQ240TBYCA	RXLQ120TBYCA	60	575	518	632	31.2 + 31.2	40 + 40	14.5 + 14.5	(0.7 × 2) × 2	(1.0 × 2) × 2	
	RXLQ120TBYCA										

Symbols:

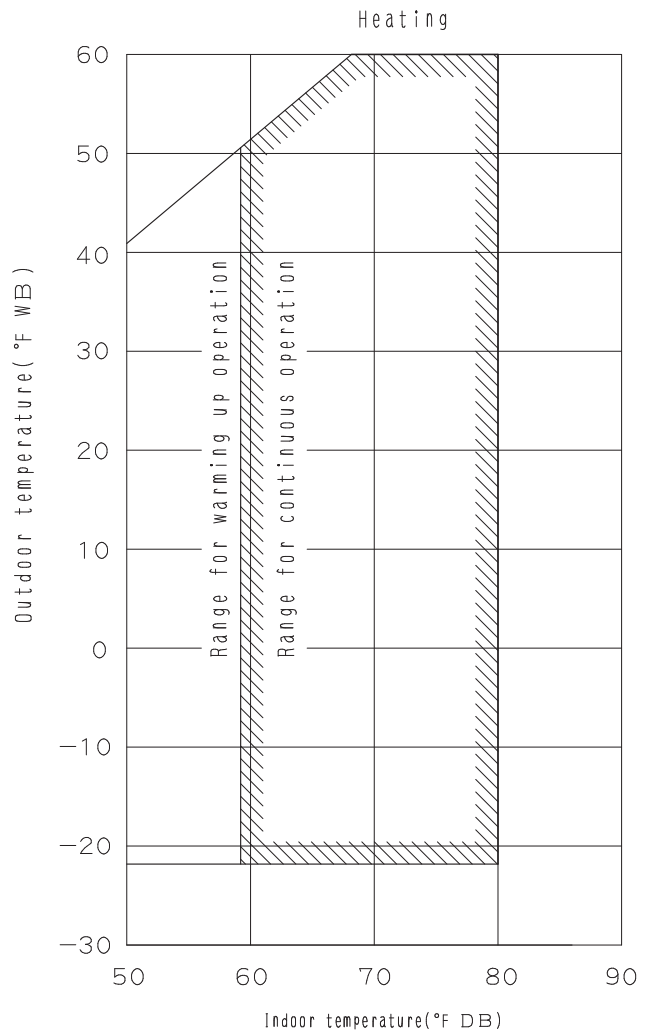
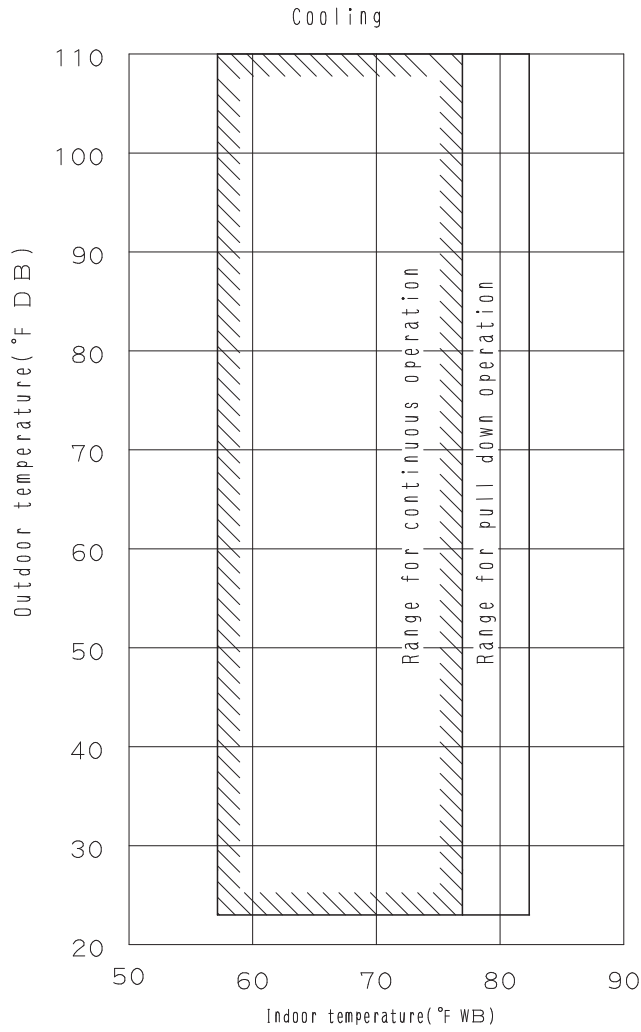
MCA: Min. Circuit Amps. (A)
MOP: Max. Overcurrent Protector (A)
RLA: Rated Load Amps. (A)
OFM: Outdoor Fan Motor
kW: Rated Motor Output (kW)
FLA: Full Load Amps. (A)

Notes:

1. 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)
2. Voltage range
Units are designed to operate only at the rated voltage provided in the table above.
3. The maximum percent unbalance of phase voltage shall be 2%.
4. Select wire size based on the value of MCA.
5. MOP is used to select the circuit breaker.
6. Refer to electrical characteristics of each independent unit for SCCR.

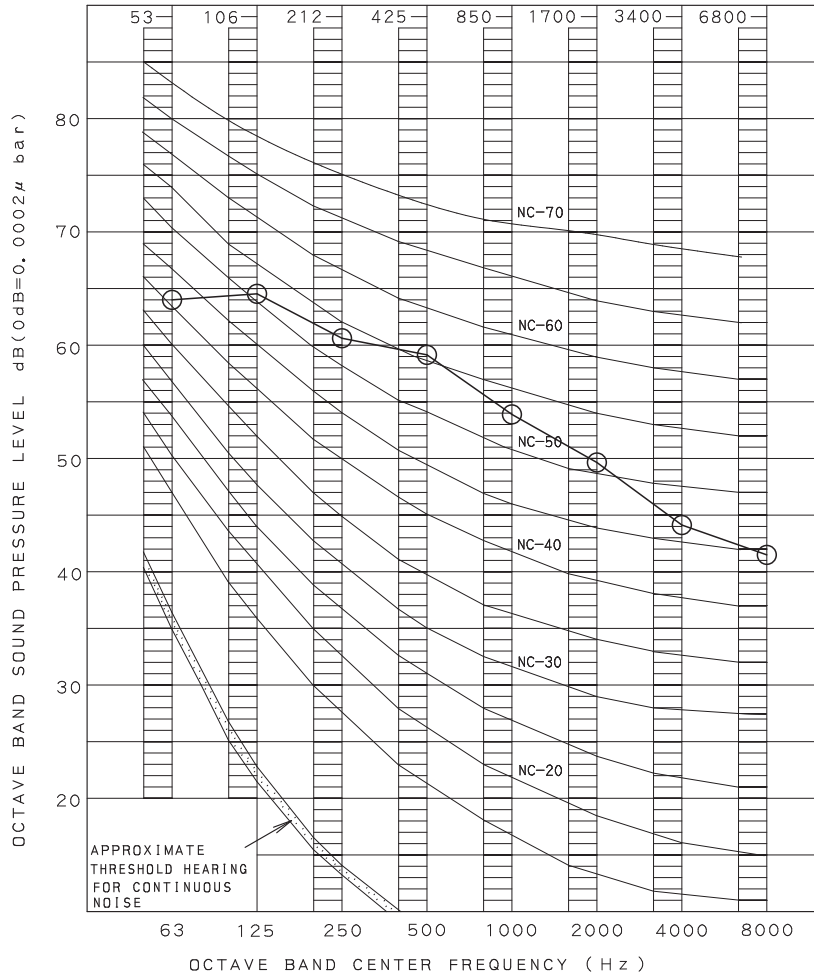
Operation Limits

RXLQ72 - 240TBTJA / TBYDA / TBYCA



Sound Levels (Reference Data)

RXLQ72TBTJA / TBYDA / TBYCA



OVER ALL (dB)

SCALE	60Hz
A	60

(B. G. N IS ALREADY RECTIFIED)

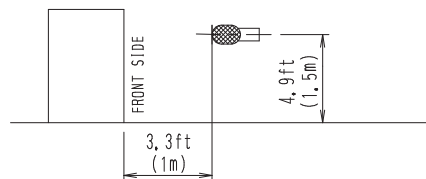
OPERATING CONDITIONS

POWER SOURCE 208/230V, 460V, 575V 60Hz

MEASURING PLACE

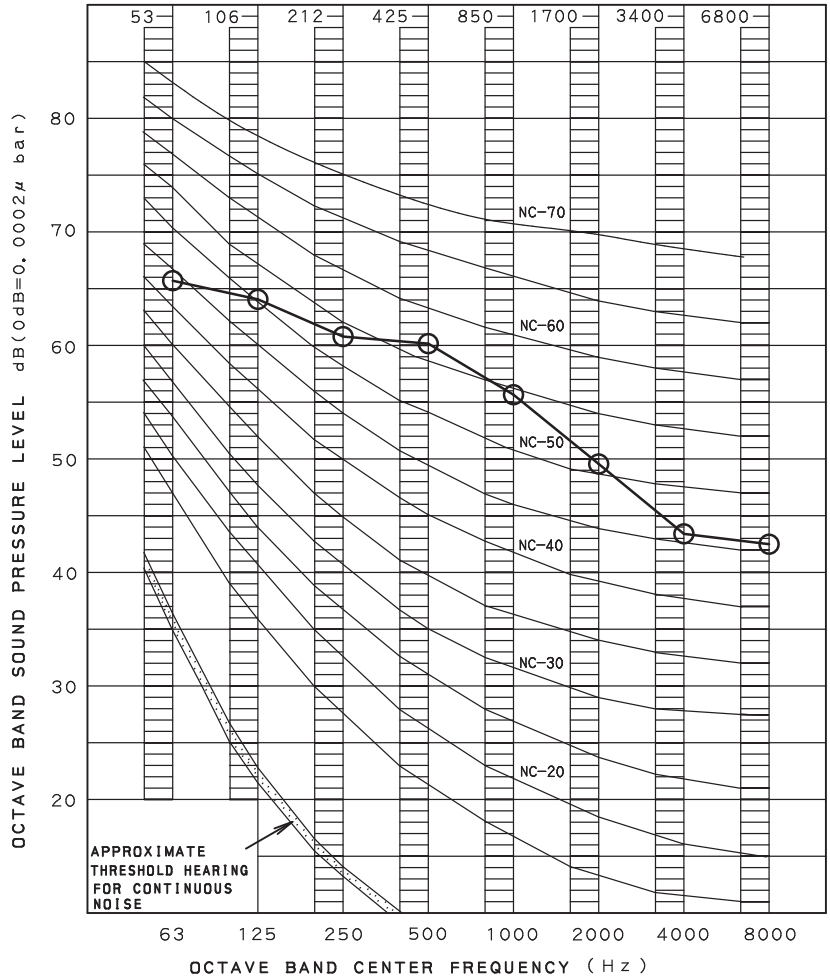
ANECHOIC CHAMBER (CONVERSION VALUE)

LOCATION OF MICROPHONE



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.

RXLQ96TBTJA / TBYDA / TBYCA



OVER ALL (dB)

SCALE	60Hz
A	61

(B. G. N IS ALREADY RECTIFIED)

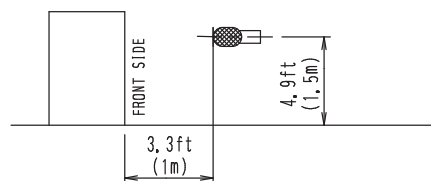
OPERATING CONDITIONS

POWER SOURCE 208/230V, 460V, 575V 60Hz

MEASURING PLACE

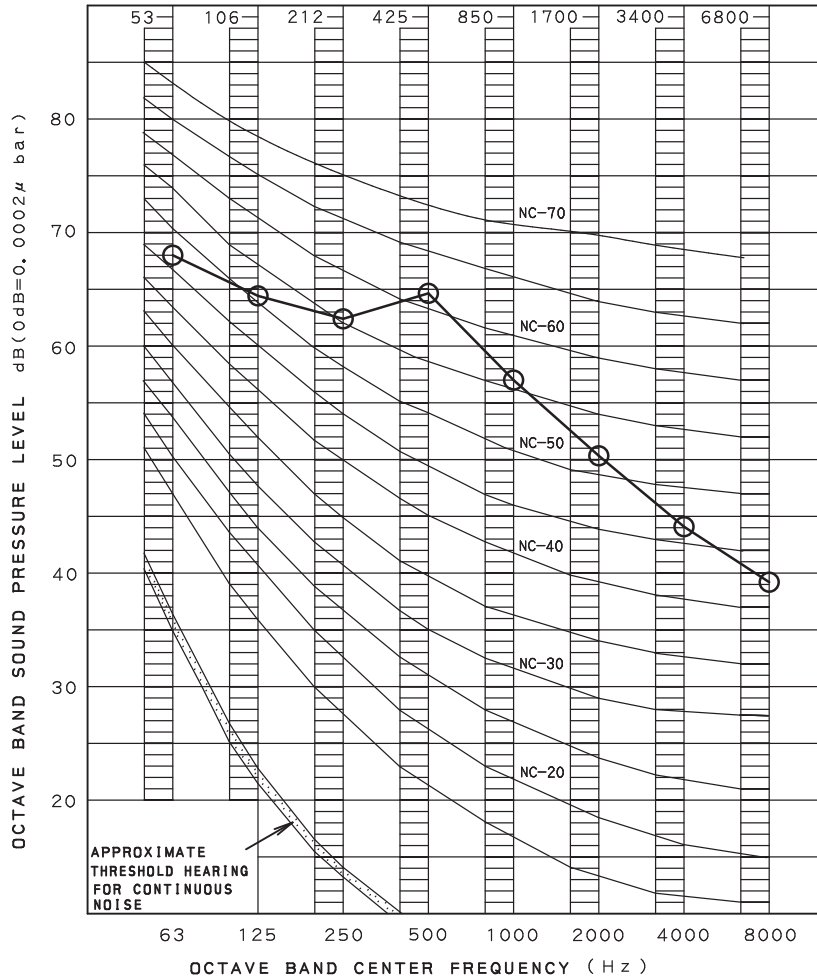
ANECHOIC CHAMBER (CONVERSION VALUE)

LOCATION OF MICROPHONE



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,

RXLQ120TBTJA / TBYDA / TBYCA



OVER ALL (dB)

OPERATING CONDITIONS

SCALE	60Hz
A	63.5

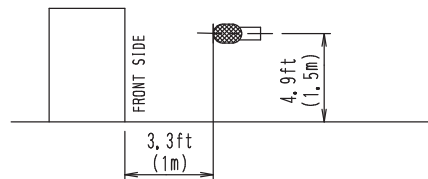
POWER SOURCE 208/230V, 460V, 575V 60Hz

(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.

Accessories

Optional Accessories

RXLQ72 - 240TBTJA / TBYDA / TBYCA

Optional accessories		RXLQ72TBTJA RXLQ96TBTJA RXLQ72TBYDA RXLQ96TBYDA RXLQ72TBYCA RXLQ96TAYCA	RXLQ120TBTJA RXLQ120TBYDA RXLQ120TBYCA	RXLQ144TBTJA RXLQ192TBTJA RXLQ240TBTJA RXLQ144TBYDA RXLQ192TBYDA RXLQ240TBYDA RXLQ144TBYCA RXLQ192TBYCA RXLQ240TBYCA
Distributive piping	REFNET header	(Max. 4 branch) KHRP26M22H9 KHRP26M22HA (Max. 8 branch) KHRP26M33H9 KHRP26M33HA	(Max. 4 branch) KHRP26M22H9 KHRP26M22HA (Max. 8 branch) KHRP26M33H9 KHRP26M33HA KHRP26M72H9 KHRP26M72HA	(Max. 4 branch) KHRP26M22H9 KHRP26M22HA (Max. 8 branch) KHRP26M33H9 KHRP26M33HA KHRP26M72H9 KHRP26M72HA KHRP26M73HU9 KHRP26M73HUA
	REFNET joint	KHRP26A22T9 KHRP26A22TA KHRP26A33T9 KHRP26A33TA	KHRP26A22T9 KHRP26A22TA KHRP26A33T9 KHRP26A33TA KHRP26M72TU9 KHRP26M72TUA	KHRP26A22T9 KHRP26A22TA KHRP26A33T9 KHRP26A33TA KHRP26M72TU9 KHRP26M72TUA KHRP26M73TU9 KHRP26M73TUA
Outdoor unit multi connection piping kit		-		BHFP22P100U BHFP22P100UA

C: 3D087057E



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 unauthorised 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.