

Engineering Data

Design Manual

RWEQ-TBTJA, 208 / 230 V

RWEQ-TBYDA, 460 V

RWEQ-TBYCU, 575 V

Heat Pump 60 Hz

Heat Recovery 60 Hz

R-410A



T-Series Water Cooled System

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1. Basic Information

1. Features and Benefits

- Wide offering with 8, 10 and 12 ton single module and up to 36 tons with multi-module
- Flexible System design with increased diversity up to 150%¹
- Up to 50%¹ and 38%¹ reduction in space and weight respectively to install systems of similar capacity when compared to RWEYQ-PC series
- Triple-stack capable to deliver up to 36 tons in 3.2 m (10.5 ft.) ceiling height
- Flexible and easy installation with field selectable top or front refrigerant connections
- Design flexibility with long piping lengths up to 300 m (980 ft.) total (165 m (540 ft.) max. linear liquid piping length) and up to 30 m (100 ft.) vertical separation between indoor units
- Engineered with heat rejection cancelation technology² to minimize mechanical room conditioning requirements
- Year round comfort and energy efficiency by combining **VRV** and Variable Refrigerant Temperature (VRT) technologies
- 2-9 V variable water flow control logic as standard to increase waterside system operational efficiencies
- Refrigerant cooled inverter technology to deliver consistent and reliable printed circuit board operations
- Factory ships ready for Geothermal applications
- Easy 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
- Engineered for easy service with drop-down electrical box to access key components
- Seamless integration to full suite of Daikin Control Solutions for complete system control
- Backed by 10 year parts limited warranty and 10 years replacement compressor limited warranty *



¹ - Model specific, check product specification for details

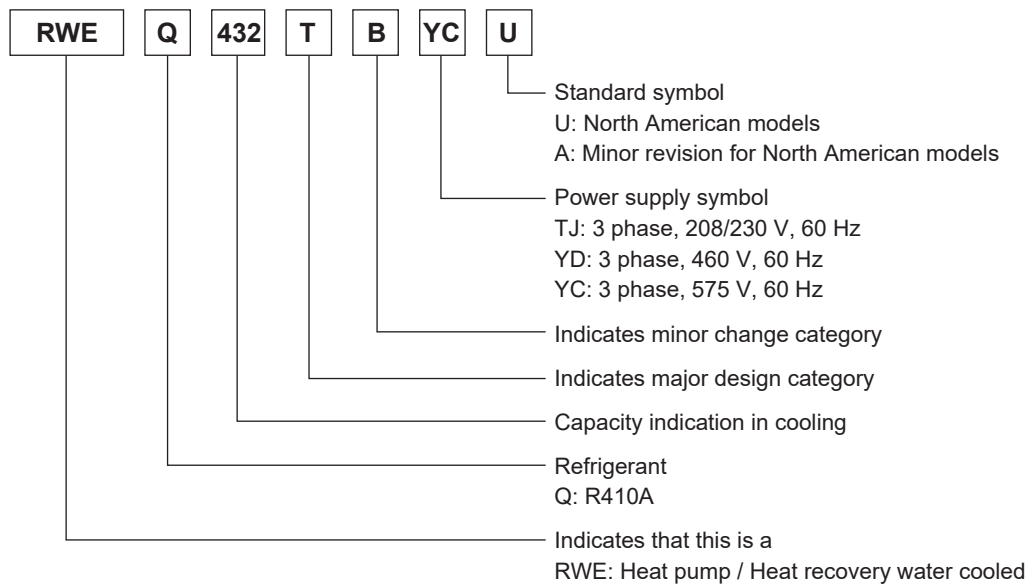
² - Refer to installation manual for field settings required to activate this feature

* Complete warranty details available from local distributor or manufacturer's representative

2. Nomenclature

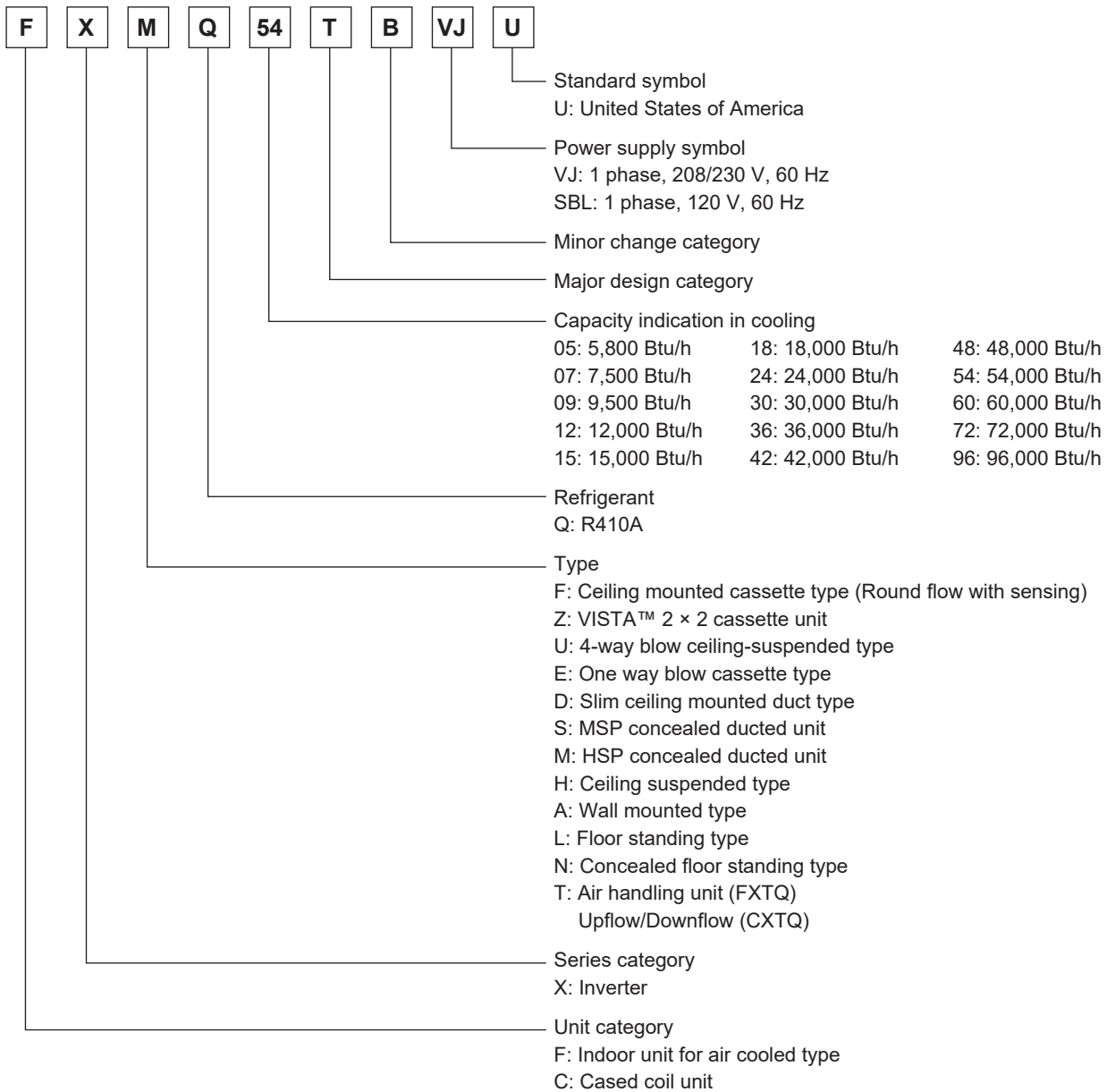
2.1 Outdoor Unit

Outside Unit

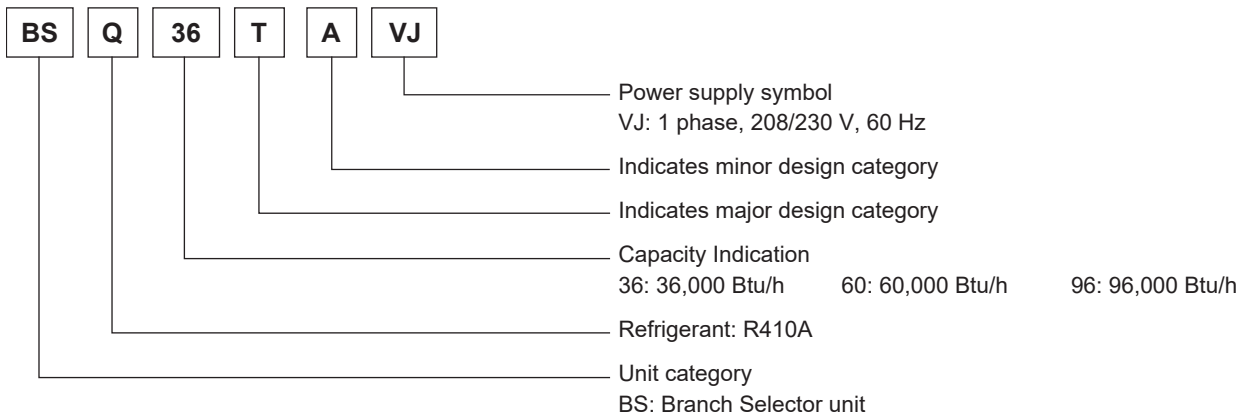


2.2 Indoor Unit

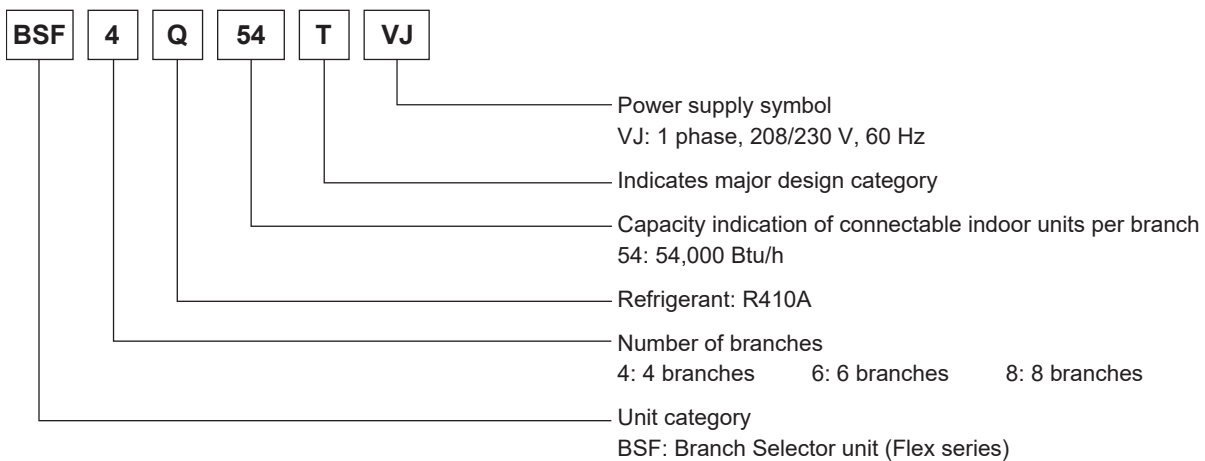
Indoor Unit



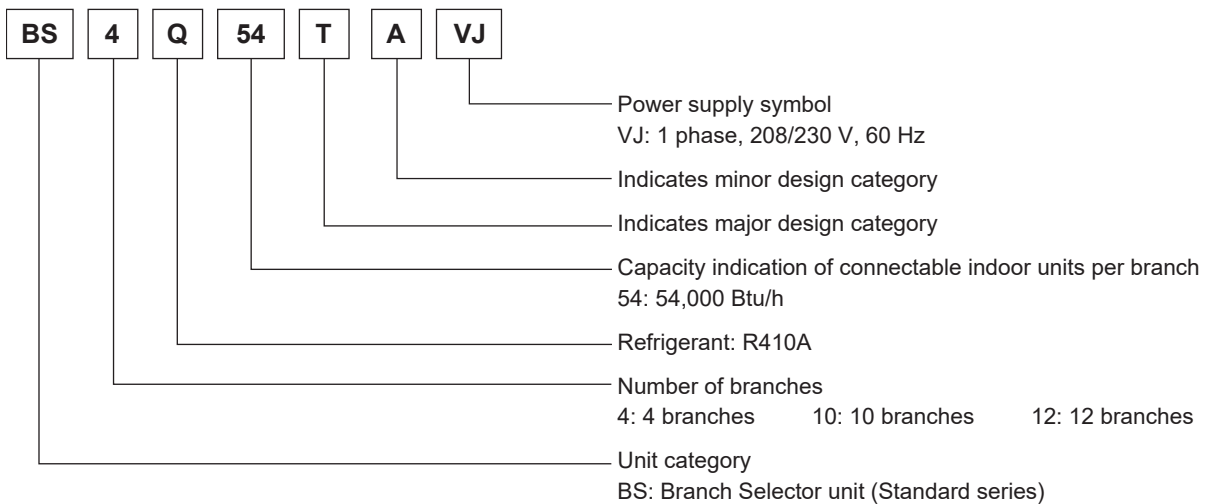
Single Branch Selector unit



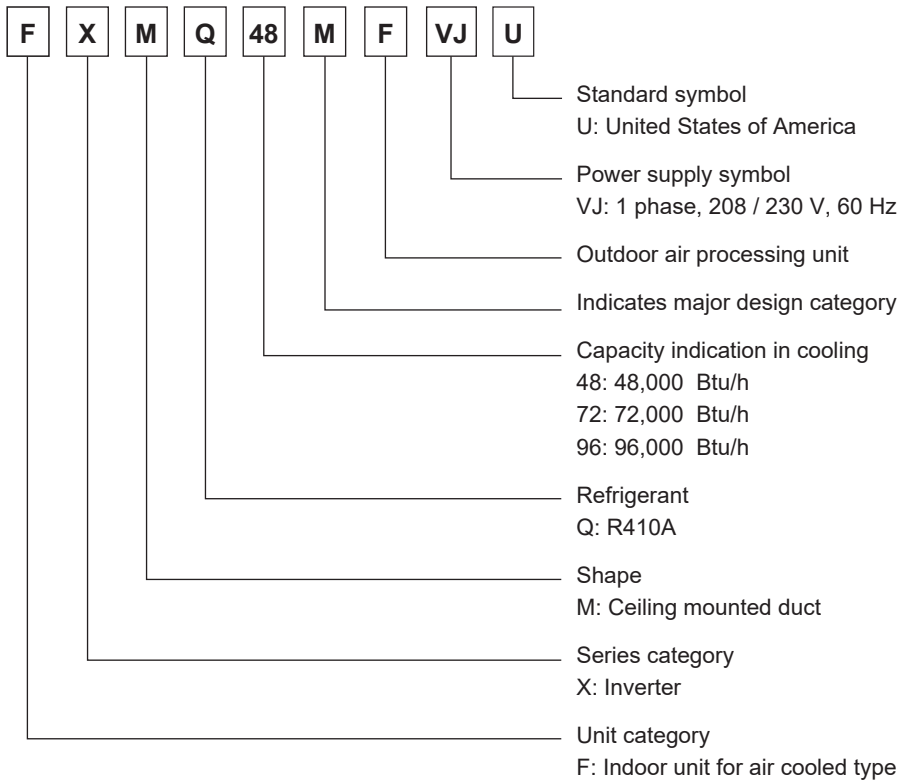
Multi Branch Selector unit (Flex series)



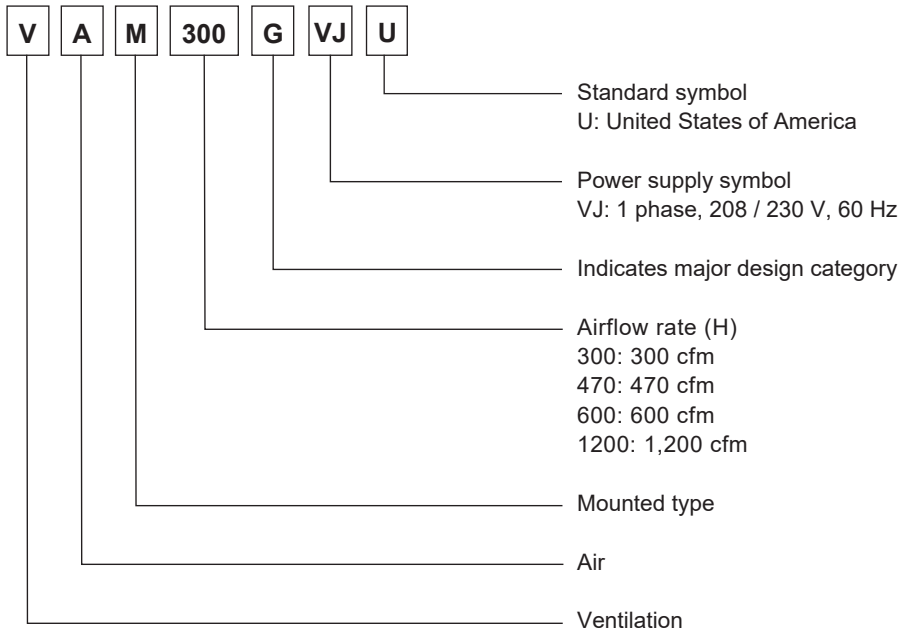
Multi Branch Selector unit (Standard series)



Air Treatment Equipment Outdoor Air Processing Unit



Energy Recovery Ventilator (VAM series)



2. Lineup

1. Model Names

1.1 Outdoor Units

Capacity range			6ton	8 ton	10 ton	12 ton	14ton	16 ton	18 ton	20 ton	Power supply, Standard
Capacity index			72	96	120	144	168	192	216	240	
Heat pump / Heat recovery	208/230 V	RWEQ	72TB	96TB	120TB	144TB	168TB	192TB	216TB	240TB	TJA
Heat pump / Heat recovery	460 V	RWEQ	72TB	96TB	120TB	144TB	168TB	192TB	216TB	240TB	YDA
Heat pump / Heat recovery	575 V	RWEQ	72TB	96TB	120TB	144TB	168TB	192TB	216TB	240TB	YCU

Capacity range			22 ton	24 ton	26 ton	28 ton	30 ton	32 ton	34 ton	36 ton	Power supply, Standard
Capacity index			264	288	312	336	360	384	408	432	
Heat pump / Heat recovery	208/230 V	RWEQ	264TB	288TB	312TB	336TB	360TB	384TB	408TB	432TB	TJA
Heat pump / Heat recovery	460 V	RWEQ	264TB	288TB	312TB	336TB	360TB	384TB	408TB	432TB	YDA
Heat pump / Heat recovery	575 V	RWEQ	264TB	288TB	312TB	336TB	360TB	384TB	408TB	432TB	YCU

TJ: 3 phase, 208/230 V, 60 Hz

YD: 3 phase, 460 V, 60 Hz

YC: 3 phase, 575 V, 60 Hz

Heat Pump / Heat Recovery 208/230 V

Model name	RWEQ72TBTJA	RWEQ96TBTJA	RWEQ120TBTJA	RWEQ144TBTJA
Outside unit 1	RWEQ72TBTJA	RWEQ96TBTJA	RWEQ120TBTJA	RWEQ144TBTJA

Model name	RWEQ168TBTJA	RWEQ192TBTJA	RWEQ216TBTJA	RWEQ240TBTJA	RWEQ264TBTJA	RWEQ288TBTJA
Outside unit 1	RWEQ72TBTJA	RWEQ96TBTJA	RWEQ120TBTJA	RWEQ120TBTJA	RWEQ144TBTJA	RWEQ144TBTJA
Outside unit 2	RWEQ96TBTJA	RWEQ96TBTJA	RWEQ96TBTJA	RWEQ120TBTJA	RWEQ120TBTJA	RWEQ144TBTJA

Model name	RWEQ312TBTJA	RWEQ336TBTJA	RWEQ360TBTJA	RWEQ384TBTJA	RWEQ408TBTJA	RWEQ432TBTJA
Outside unit 1	RWEQ120TBTJA	RWEQ120TBTJA	RWEQ120TBTJA	RWEQ144TBTJA	RWEQ144TBTJA	RWEQ144TBTJA
Outside unit 2	RWEQ96TBTJA	RWEQ120TBTJA	RWEQ120TBTJA	RWEQ120TBTJA	RWEQ144TBTJA	RWEQ144TBTJA
Outside unit 3	RWEQ96TBTJA	RWEQ96TBTJA	RWEQ120TBTJA	RWEQ120TBTJA	RWEQ120TBTJA	RWEQ144TBTJA

Heat Pump / Heat Recovery 460 V

Model name	RWEQ72TBYDA	RWEQ96TBYDA	RWEQ120TBYDA	RWEQ144TBYDA
Outside unit 1	RWEQ72TBYDA	RWEQ96TBYDA	RWEQ120TBYDA	RWEQ144TBYDA

Model name	RWEQ168TBYDA	RWEQ192TBYDA	RWEQ216TBYDA	RWEQ240TBYDA	RWEQ264TBYDA	RWEQ288TBYDA
Outside unit 1	RWEQ72TBYDA	RWEQ96TBYDA	RWEQ120TBYDA	RWEQ120TBYDA	RWEQ144TBYDA	RWEQ144TBYDA
Outside unit 2	RWEQ96TBYDA	RWEQ96TBYDA	RWEQ96TBYDA	RWEQ120TBYDA	RWEQ120TBYDA	RWEQ144TBYDA

Model name	RWEQ312TBYDA	RWEQ336TBYDA	RWEQ360TBYDA	RWEQ384TBYDA	RWEQ408TBYDA	RWEQ432TBYDA
Outside unit 1	RWEQ120TBYDA	RWEQ120TBYDA	RWEQ120TBYDA	RWEQ144TBYDA	RWEQ144TBYDA	RWEQ144TBYDA
Outside unit 2	RWEQ96TBYDA	RWEQ120TBYDA	RWEQ120TBYDA	RWEQ120TBYDA	RWEQ144TBYDA	RWEQ144TBYDA
Outside unit 3	RWEQ96TBYDA	RWEQ96TBYDA	RWEQ120TBYDA	RWEQ120TBYDA	RWEQ120TBYDA	RWEQ144TBYDA

Heat Pump / Heat Recovery 575 V

Model name	RWEQ72TBYCU	RWEQ96TBYCU	RWEQ120TBYCU	RWEQ144TBYCU
Outside unit 1	RWEQ72TBYCU	RWEQ96TBYCU	RWEQ120TBYCU	RWEQ144TBYCU

Model name	RWEQ168TBYCU	RWEQ192TBYCU	RWEQ216TBYCU	RWEQ240TBYCU	RWEQ264TBYCU	RWEQ288TBYCU
Outside unit 1	RWEQ72TBYCU	RWEQ96TBYCU	RWEQ120TBYCU	RWEQ120TBYCU	RWEQ144TBYCU	RWEQ144TBYCU
Outside unit 2	RWEQ96TBYCU	RWEQ96TBYCU	RWEQ96TBYCU	RWEQ120TBYCU	RWEQ120TBYCU	RWEQ144TBYCU

Model name	RWEQ312TBYCU	RWEQ336TBYCU	RWEQ360TBYCU	RWEQ384TBYCU	RWEQ408TBYCU	RWEQ432TBYCU
Outside unit 1	RWEQ120TBYCU	RWEQ120TBYCU	RWEQ120TBYCU	RWEQ144TBYCU	RWEQ144TBYCU	RWEQ144TBYCU
Outside unit 2	RWEQ96TBYCU	RWEQ120TBYCU	RWEQ120TBYCU	RWEQ120TBYCU	RWEQ144TBYCU	RWEQ144TBYCU
Outside unit 3	RWEQ96TBYCU	RWEQ96TBYCU	RWEQ120TBYCU	RWEQ120TBYCU	RWEQ120TBYCU	RWEQ144TBYCU

1.2 Indoor Units

Capacity Range		0.5 ton	0.6 ton	0.8 ton	1 ton	1.25 ton	1.5 ton		2 ton	2.5 ton	3 ton	3.5 ton	4 ton	4.5 ton	5 ton	6 ton	8 ton	Power Supply, Standard
Capacity Index		5.8	7.5	9.5	12	15	18	20	24	30	36	42	48	54	60	72	96	
Ceiling mounted cassette (Round flow with sensing) type	FXFQ	—	07AA	09AA	12AA	15AA	18AA	—	24AA	30AA	36AA	—	48AA	54AA	—	—	—	VJU
VISTA™ 2 × 2 cassette unit	FXZQ	05TB	07TB	09TB	12TB	15TB	18TB	—	—	—	—	—	—	—	—	—	—	
4-way blow ceiling-suspended type	FXUQ	—	—	—	—	—	—	18PA	24PA	30PA	36PA	—	—	—	—	—	—	
One way blow cassette type	FXEQ	—	07P	09P	12P	15P	18P	—	24P	—	—	—	—	—	—	—	—	
Slim ceiling mounted duct type	FXDQ	—	07M	09M	12M	—	18M	—	24M	—	—	—	—	—	—	—	—	
MSP concealed ducted unit	FXSQ	05TB	07TB	09TB	12TB	15TB	18TB	—	24TB	30TB	36TB	—	48TB	54TB	—	—	—	
HSP concealed ducted unit	FXMQ	—	—	—	—	15TB	18TB	—	24TB	30TB	36TB	—	48TB	54TB	—	—	—	
Ceiling mounted duct type	FXMQ	—	—	—	—	—	—	—	—	—	—	—	—	—	—	72TA	96TA	
Ceiling suspended type	FXHQ	—	—	—	12M	—	—	—	24M	—	36M	—	—	—	—	—	—	
Wall mounted type	FXAQ	—	07P	09P	12P	—	18P	—	24P	—	—	—	—	—	—	—	—	
Floor standing type	FXLQ	—	07M	09M	12M	—	18M	—	24M	—	—	—	—	—	—	—	—	
Concealed floor standing type	FXNQ	—	07M	09M	12M	—	18M	—	24M	—	—	—	—	—	—	—	—	
Air handling unit	FXTQ	—	—	09TB	12TB	—	18TB	—	24TB	30TB	36TB	42TB	48TB	54TB	60TB	—	—	
		—	—	09TB	12TB	—	18TB	—	24TB	30TB	36TB	42TB	48TB	54TB	60TB	—	—	VJUD
Cased coil unit	CXTQ	—	—	—	—	—	—	—	24TA	—	36TA	—	48TA	—	60TA	—	—	SBLU

1.3 Branch Selector Unit

Single Branch Selector Unit

Series		Model name			Power supply, standard
Heat recovery	BSQ	36TA	60TA	96TA	VJ

Note:

No interchangeability between BSVQ-PVJU and BSQ-TAVJ.

VJ: 1 phase, 208/230 V, 60 Hz

Multi Branch Selector Unit

Flex Series

Series		Model name			Power supply, standard
Heat recovery	BSF	4Q54T	6Q54T	8Q54T	VJ

Note:

No interchangeability between BSV-Q36PVJU and BSF-Q54TVJ.

VJ: 1 phase, 208/230 V, 60 Hz

Standard Series

Series		Model name			Power supply, standard
Heat recovery	BS	4Q54TA	10Q54TA	12Q54TA	VJ

Note:

No interchangeability between BSV-Q36PVJU and BS-Q54TAVJ.

VJ: 1 phase, 208/230 V, 60 Hz

1.4 Air Treatment Equipment

Outdoor Air Processing Unit

Series	Model name			Power supply, Standard
FXMQ	48MF	72MF	96MF	VJU

VJ: 1 phase, 208 / 230 V, 60 Hz
 U(VJU): Standard symbol

Energy Recovery Ventilator (VAM series)


Series	Model name				Power supply, Standard
VAM	300G	470G	600G	1200G	VJU

VJ: 1 phase, 208 / 230 V, 60 Hz
 U(VJU): Standard symbol

2. External Appearance


2.1 Outdoor Units

Single Outside Units


<p>RWEQ72TBTJA RWEQ96TBTJA RWEQ120TBTJA RWEQ144TBTJA</p>	<p>RWEQ72TBYDA RWEQ96TBYDA RWEQ120TBYDA RWEQ144TBYDA</p>	<p>RWEQ72TBYCU RWEQ96TBYCU RWEQ120TBYCU RWEQ144TBYCU</p>
<div style="text-align: center;">  <p>6, 8, 10, 12 ton</p> </div>		

2. Lineup


Double Outside Units

<p>RWEQ168TBTJA RWEQ192TBTJA RWEQ216TBTJA</p>	<p>RWEQ240TBTJA RWEQ264TBTJA RWEQ288TBTJA</p>	<p>RWEQ168TBYDA RWEQ192TBYDA RWEQ216TBYDA</p>	<p>RWEQ240TBYDA RWEQ264TBYDA RWEQ288TBYDA</p>	<p>RWEQ168TBYCU RWEQ192TBYCU RWEQ216TBYCU</p>	<p>RWEQ240TBYCU RWEQ264TBYCU RWEQ288TBYCU</p>
<div style="text-align: center;">  <p>14, 16, 18, 20, 22, 24 ton</p> </div>					

Triple Outside Units

<p>RWEQ312TBTJA RWEQ336TBTJA RWEQ360TBTJA</p>	<p>RWEQ384TBTJA RWEQ408TBTJA RWEQ432TBTJA</p>	<p>RWEQ312TBYDA RWEQ336TBYDA RWEQ360TBYDA</p>	<p>RWEQ384TBYDA RWEQ408TBYDA RWEQ432TBYDA</p>	<p>RWEQ312TBYCU RWEQ336TBYCU RWEQ360TBYCU</p>	<p>RWEQ384TBYCU RWEQ408TBYCU RWEQ432TBYCU</p>
<div style="text-align: center;">  <p>26, 28, 30, 32, 34, 36 ton</p> </div>					

2.2 Indoor Units

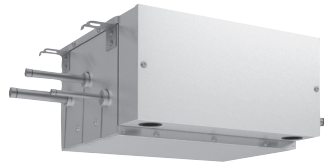
<p>Ceiling mounted cassette (Round flow with sensing) type</p> <p>FXFQ-AA</p>  <p>Shown with BYCQ54EEFU</p>	<p>Ceiling mounted duct type</p> <p>FXMQ-TA</p> 
<p>VISTA™ 2 × 2 cassette unit</p> <p>FXZQ-TB</p> 	<p>Ceiling suspended type</p> <p>FXHQ-M</p> 
<p>4-way blow ceiling-suspended type</p> <p>FXUQ-PA</p> 	<p>Wall mounted type</p> <p>FXAQ-P</p> 
<p>One way blow cassette type</p> <p>FXEQ-P</p> 	<p>Floor standing type</p> <p>FXLQ-M</p> 
<p>Slim ceiling mounted duct type</p> <p>FXDQ-M</p> 	<p>Concealed floor standing type</p> <p>FXNQ-M</p> 
<p>MSP concealed ducted unit</p> <p>FXSQ-TB</p> 	<p>Air handling unit</p> <p>FXTQ-TB</p> 
<p>HSP concealed ducted unit</p> <p>FXMQ-TB</p> 	<p>Cased coil unit</p> <p>CXTQ-TA</p> 

2.3 Branch Selector Unit

Single Branch Selector Unit

Single port

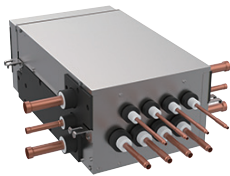
BSQ36TAVJ
BSQ60TAVJ
BSQ96TAVJ



Multi Branch Selector Unit

Flex Series

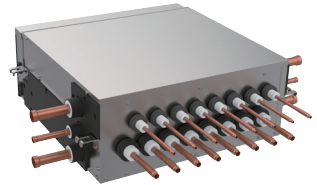
BSF4Q54TVJ



BSF6Q54TVJ



BSF8Q54TVJ



Standard Series

BS4Q54TAVJ



BS10Q54TAVJ
BS12Q54TAVJ



2.4 Air Treatment Equipment

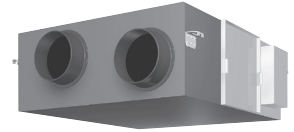
Outdoor air processing unit

FXMQ-MF



Energy recovery ventilator
(VAM series)

VAM-G




3. Outdoor Unit Combination

Model name	System capacity			Number of units	Module				Outside unit multi connection piping kit *1
	Ton	HP	kW		72	96	120	144	
RWEQ72TBTJA RWEQ72TBYDA RWEQ72TBYCU	6	7.5	21.1	1	●				—
RWEQ96TBTJA RWEQ96TBYDA RWEQ96TBYCU	8	10.0	28.1	1		●			
RWEQ120TBTJA RWEQ120TBYDA RWEQ120TBYCU	10	12.5	35.2	1			●		
RWEQ144TBTJA RWEQ144TBYDA RWEQ144TBYCU	12	15.0	42.2	1				●	
RWEQ168TBTJA RWEQ168TBYDA RWEQ168TBYCU	14	17.5	49.2	2	●	●			Heat pump: BHFP22T84U Heat recovery: BHFP26T84U
RWEQ192TBTJA RWEQ192TBYDA RWEQ192TBYCU	16	20.0	56.3	2		●●			
RWEQ216TBTJA RWEQ216TBYDA RWEQ216TBYCU	18	22.5	63.3	2		●	●		
RWEQ240TBTJA RWEQ240TBYDA RWEQ240TBYCU	20	25.0	70.3	2			●●		
RWEQ264TBTJA RWEQ264TBYDA RWEQ264TBYCU	22	27.5	77.4	2			●	●	
RWEQ288TBTJA RWEQ288TBYDA RWEQ288TBYCU	24	30.0	84.4	2				●●	
RWEQ312TBTJA RWEQ312TBYDA RWEQ312TBYCU	26	32.5	91.4	3		●●	●		Heat pump: BHFP22T126U Heat recovery: BHFP26T126U
RWEQ336TBTJA RWEQ336TBYDA RWEQ336TBYCU	28	35.0	98.5	3		●	●●		
RWEQ360TBTJA RWEQ360TBYDA RWEQ360TBYCU	30	37.5	105.5	3			●●●		
RWEQ384TBTJA RWEQ384TBYDA RWEQ384TBYCU	32	40.0	112.5	3			●●	●	
RWEQ408TBTJA RWEQ408TBYDA RWEQ408TBYCU	34	42.5	119.6	3			●	●●	
RWEQ432TBTJA RWEQ432TBYDA RWEQ432TBYCU	36	45.0	126.6	3				●●●	

Note:

*1. For multiple connection, the outside unit multi connection piping kit (separately sold) is required.

4. Interchangeability

Branch selector unit				T-series branch selector unit			(Reference) P-series branch selector unit	
				Single branch selector unit	Multi branch selector unit		Single branch selector unit	Multi branch selector unit
					Flex series	Standard series		
Outdoor unit				BSQ36T(A)VJ BSQ60T(A)VJ BSQ96T(A)VJ	BSF4Q54TVJ BSF6Q54TVJ BSF8Q54TVJ	BS4Q54T(A)VJ BS6Q54TVJ BS8Q54TVJ BS10Q54T(A)VJ BS12Q54T(A)VJ	BSVQ36PVJU BSVQ60PVJU BSVQ96PVJU	BSV4Q36PVJU BSV6Q36PVJU
 Heat recovery Heat pump	RWEQ-TA	RWEQ-TBTJA	Connectable	Connectable	Connectable	Connectable	Connectable	
		RWEQ-TBYDA	Connectable	Connectable	Connectable	Connectable	Connectable	
		RWEQ-TBYCU	Connectable	Connectable	Connectable	Connectable	Connectable	

Note:

- *1. Combination of P-series and T-series of Branch selector units in a single system is not permitted.
Combining the two series may cause malfunction.
- *2. BSQ_TAVJ and BSQ_TVJ are compatible and can be mix and match or be used as direct replacement.
- *3. BS_Q54TAVJ and BS_Q54TVJ are compatible and can be mix and match or be used as direct replacement.

5. Capacity Range

5.1 Connection Ratio

Connection ratio =	$\frac{\text{Total capacity index of the indoor units}}{\text{Capacity index of the outside units}}$
--------------------	--

Type	Min. connection ratio
	Types of connected outside units
	RWEQ-T type
RWEQ72T	70%
Other than RWEQ72T (including double or triple outside units)	50%

Type	Max. connection ratio				
	Types of connected indoor units			Type of connected air treatment equipment	
	When using only FXDQ, FXMQ-TB, FXAQ, FXSQ07-54T	When using at least one FXFQ07/09, FXZQ05T, FXSQ05T	Other indoor unit models	FXMQ-MF	
				When FXMQ-MF is only connected	When FXMQ-MF and indoor units are connected
Single outside units	150% *1	150% *1	150% *1	100%	100% *3*4
Double outside units		130%	130%		
Triple outside units	150% *1	130% *2	130% *2		

Note:

- *1. If the operational capacity of indoor units is more than 130%, low airflow operation is enforced in all the indoor units. This can be abolished through field settings.
- *2. 120% for RWEQ432TBYCU, RWEQ432TBTJA/TBYDA
- *3. When outdoor-air processing units (FXMQ-MF) and standard indoor units are connected, the total connection capacity of the outdoor-air processing units (FXMQ-MF) must not exceed 30% of the capacity index of the outside units. And the connection ratio must not exceed 100%.
- *4. It is permitted to use a maximum connection ratio of 130% in some circumstances – please contact your local Daikin representative for further details.
- *5. For indoor units used for cooling only (do not connect to Branch selector unit when using for heat recovery), total capacity index of cooling only indoor units must be 50% or less than the total capacity index of the indoor units.

5.2 Capacity Range of Connectable Indoor Units

Type	Ton	Capacity index	Model name	Combination	Outside unit multi connection piping kit *1	Total capacity index of connectable indoor units *2	Maximum number of connectable indoor units
Single outside units	6	72	RWEQ72TB	RWEQ72TB	—	48 to 93 (108)	12
	8	96	RWEQ96TB	RWEQ96TB		48 to 124 (144)	16
	10	120	RWEQ120TB	RWEQ120TB		60 to 156 (180)	20
	12	144	RWEQ144TB	RWEQ144TB		72 to 187 (216)	24
Double outside units	14	168	RWEQ168TB	RWEQ72TB+RWEQ96TB	Heat pump: BHFP22T84U Heat recovery: BHFP26T84U	84 to 218 (252)	28
	16	192	RWEQ192TB	RWEQ96TB+RWEQ96TB		96 to 249 (288)	33
	18	216	RWEQ216TB	RWEQ96TB+RWEQ120TB		108 to 280 (324)	37
	20	240	RWEQ240TB	RWEQ120TB+RWEQ120TB		120 to 312 (360)	41
	22	264	RWEQ264TB	RWEQ120TB+RWEQ144TB		132 to 343 (396)	45
	24	288	RWEQ288TB	RWEQ144TB+RWEQ144TB		144 to 374 (432)	49
Triple outside units	26	312	RWEQ312TB	RWEQ96TB+RWEQ96TB+RWEQ120TB	Heat pump: BHFP22T126U Heat recovery: BHFP26T126U	156 to 405 (468)	54
	28	336	RWEQ336TB	RWEQ96TB+RWEQ120TB+RWEQ120TB		168 to 436 (504)	58
	30	360	RWEQ360TB	RWEQ120TB+RWEQ120TB+RWEQ120TB		180 to 468 (540)	62
	32	384	RWEQ384TB	RWEQ120TB+RWEQ120TB+RWEQ144TB		192 to 499 (576)	64
	34	408	RWEQ408TB	RWEQ120TB+RWEQ144TB+RWEQ144TB		204 to 530 (612)	64
	36	432	RWEQ432TB	RWEQ144TB+RWEQ144TB+RWEQ144TB		216 to 561 (648)	64

Note:

*1. For multiple connection, the outside unit multi connection piping kit (separately sold) is required.

*2. Values inside brackets are based on connection of indoor units rated at maximum capacity, 150% for single outside units, 150% for double outside units, and 150% for triple outside units.

*3. For indoor units used for cooling only (do not connect to Branch selector unit when using for heat recovery), total capacity index of cooling only indoor units must be 50% or less than the total capacity index of the indoor units.

5.3 Limitation of Capacity Index for Heat Recovery Single Branch Selector Unit

Model	BSQ36TAVJ	BSQ60TAVJ	BSQ96TAVJ
Maximum number of connectable indoor units	4	8	8
Total capacity index of connectable indoor units	unit ≤ 36	36 < unit ≤ 60	60 < unit ≤ 96

Multi Branch Selector Unit Flex series

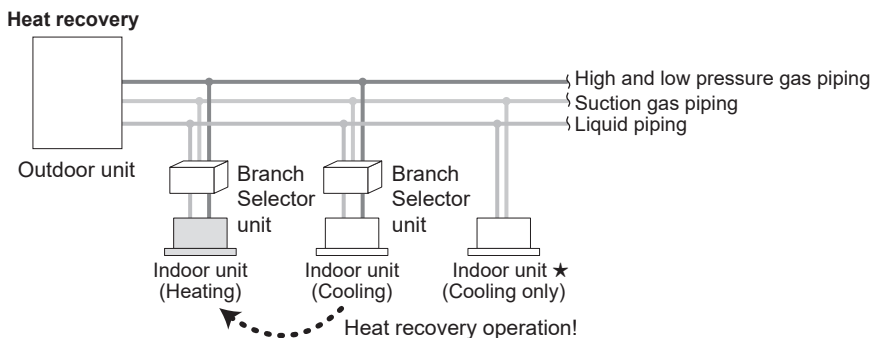
Model		BSF4Q54TVJ	BSF6Q54TVJ	BSF8Q54TVJ
Maximum number of connectable indoor units per branch		5	5	5
Number of branches		4	6	8
Maximum capacity index of connectable indoor units per branch (★1)		54 or less	54 or less	54 or less
Series configuration	Maximum number of connectable indoor units	30	30	30
	Maximum capacity index of connectable indoor units per branch selector unit	144 or less	162 or less	162 or less
	Maximum capacity index of connectable indoor units with branch selector units connected in series	230 or less	230 or less	230 or less
Parallel configuration	Maximum number of connectable indoor units	19	28	38
	Maximum capacity index of connectable indoor units	144 or less	216 or less	290 or less

Standard series

Model	BS4Q54TAVJ	BS10Q54TAVJ	BS12Q54TAVJ
Maximum number of connectable indoor units	19	38	38
Maximum number of connectable indoor units per branch	5	5	5
Number of branches	4	10	12
Maximum capacity index of connectable indoor units	144 or less	290 or less	290 or less
Maximum capacity index of connectable indoor units per branch (★1)	54 or less	54 or less	54 or less

Note:

★1. When the total capacity index of indoor units to be connected downstream is larger than 54 (Max 96), use a joint kit (KHRP26A250T, optional parts) to join two branches downstream from the Branch Selector unit.



★For indoor units used for cooling only (do not connect to Branch Selector unit when using for Heat recovery), total capacity index must be 50% or less than the capacity index of the outdoor units.

3. Specification

1. Specifications

1.1 RWEQ-TBTJA

RWEQ72TBTJA

Model		RWEQ72TBTJA	
Power Supply		3 phase, 60Hz, 208/230V	
★1 Cooling capacity	Nominal	Btu/h	72000 (21.1)
	Rated	(kW)	69000 (20.2)
★2 Heating capacity	Nominal	Btu/h	81000 (23.7)
	Rated	(kW)	69000 (20.2)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	38-9/16 x 30-1/8 x 22-1/16 (980 x 765 x 560)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	447 (12.7)
	Number of revolutions	r/min	3738
	Motor output	kW	3.9
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ3/8 (9.5) C1220T (Brazing connection)
	Suction gas pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection)★3
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ5/8 (15.9) C1220T, φ3/4 (19.1) C1220T (Brazing connection)
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	434.3 (197)
★6 Sound Pressure Level (Reference Data)		dB (A)	54
★6 Sound Power Level (Reference Data)		dB	71
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	15~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	17.4 (7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh, ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB)／Entering water temp.:86°F (30°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units,50ft (15.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB)／Entering water temp.:68°F (20°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units,50ft (15.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB),~80%RH. Heat release from the unit (approx.):2730 Btu/h (0.8 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ96TBTJA

Model		RWEQ96TBTJA	
Power Supply		3 phase, 60Hz, 208/230V	
★1 Cooling capacity	Nominal	Btu/h	96000 (28.1)
	Rated	(kW)	92000 (27.0)
★2 Heating capacity	Nominal	Btu/h	108000 (31.7)
	Rated	(kW)	92000 (27.0)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	38-9/16 x 30-1/8 x 22-1/16 (980 x 765 x 560)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	559 (15.8)
	Number of revolutions	r/min	4668
	Motor output	kW	4.8
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ3/8 (9.5) C1220T (Brazing connection)
	Suction gas pipe	in. (mm)	φ7/8 (22.2) C1220T (Brazing connection)★3
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ3/4 (19.1) C1220T, φ7/8 (22.2) C1220T (Brazing connection)
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	434.3 (197)
★6 Sound Pressure Level (Reference Data)		dB (A)	54
★6 Sound Power Level (Reference Data)		dB	71
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	15~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	17.4 (7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

NOTES:

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units,50ft (15.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units,50ft (15.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB),~80%RH. Heat release from the unit (approx.):2730 Btu/h (0.8 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ120TBTJA

Model		RWEQ120TBTJA	
Power Supply		3 phase, 60Hz, 208/230V	
★1 Cooling capacity	Nominal	Btu/h (kW)	119000 (34.9)
	Rated		114000 (33.4)
★2 Heating capacity	Nominal	Btu/h (kW)	135000 (39.6)
	Rated		114000 (33.4)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	38-9/16 x 30-1/8 x 22-1/16 (980 x 765 x 560)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	698 (19.8)
	Number of revolutions	r/min	5832
	Motor output	kW	6.0
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ1/2 (12.7) C1220T (Brazing connection)
	Suction gas pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing connection)★3
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ3/4 (19.1) C1220T, φ1-1/8 (28.6) C1220T (Brazing connection)
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	438.7 (199)
★6 Sound Pressure Level (Reference Data)		dB (A)	55
★6 Sound Power Level (Reference Data)		dB	72
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	12~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 (9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

NOTES:

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units,75ft (23m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units,75ft (23m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB),~80%RH. Heat release from the unit (approx.):3412 Btu/h (1.0 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ144TBTJA

Model		RWEQ144TBTJA	
Power Supply		3 phase, 60Hz, 208/230V	
★1 Cooling capacity	Nominal	Btu/h (kW)	144000 (42.2)
	Rated		138000 (40.4)
★2 Heating capacity	Nominal	Btu/h (kW)	162000 (47.5)
	Rated		138000 (40.4)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	38-9/16 x 30-1/8 x 22-1/16 (980 x 765 x 560)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	896 (25.4)
	Number of revolutions	r/min	7488
	Motor output	kW	7.8
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ1/2 (12.7) C1220T (Brazing connection)
	Suction gas pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing connection)★3
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ7/8 (22.2) C1220T, φ1-1/8 (28.6) C1220T (Brazing connection)
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	438.7 (199)
★6 Sound Pressure Level (Reference Data)		dB (A)	60.5
★6 Sound Power Level (Reference Data)		dB	75
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	11~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 (9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

NOTES:

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB),~80%RH. Heat release from the unit (approx.):4436 Btu/h (1.3 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ192TBTJA

Model (Combination unit)		RWEQ192TBTJA		
Model (Independent unit)		RWEQ96TBTJA + RWEQ96TBTJA		
Power Supply		3 phase, 60Hz, 208/230V		
★1 Cooling capacity	Nominal	Btu/h	192000 (56.3)	
	Rated	(kW)	184000 (53.9)	
★2 Heating capacity	Nominal	Btu/h	216000 (63.3)	
	Rated	(kW)	184000 (53.9)	
Casing color		Ivory white (5Y7.5/1)		
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)	
Heat exchanger		Stainless steel plate type		
Compressor	Type		Hermetically sealed scroll type	
	Displacement		ft ³ /h (m ³ /h)	567 +567 (16.1 +16.1)
	Number of revolutions		r/min	4734 + 4734
	Motor output		kW	4.9 + 4.9
	Starting method		Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ5/8 (15.9) C1220T (Brazing connection) -Main line-	
	Suction gas pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing connection)★3 -Main line-	
	High/low pressure gas pipe	in. (mm)	★4	★5
			φ1-1/8 (28.6) C1220T, φ1-1/8 (28.6) C1220T (Brazing connection) -Main line-	
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)	
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)	
Drain outlet	in. (mm)	For ID 3/8 (10)		
Weight		lbs (kg)	434.3 + 434.3 (197 + 197)	
★6 Sound Pressure Level (Reference Data)		dB (A)	57	
★6 Sound Power Level (Reference Data)		dB	74	
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse		
Capacity control		%	8~100	
Refrigerant	Refrigerant name		R410A	
	Charge	lbs (kg)	17.4 + 17.4 (7.9 + 7.9)	
	Control		Electronic expansion valve	
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor		

NOTES:

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):2730 Btu/h (0.8 kW) x2.
 - There are some cases where capacity decreases depending on operating states.

RWEQ216TBTJA

Model (Combination unit)		RWEQ216TBTJA	
Model (Independent unit)		RWEQ120TBTJA + RWEQ96TBTJA	
Power Supply		3 phase, 60Hz, 208/230V	
★1 Cooling capacity	Nominal	Btu/h	216000 (63.3)
	Rated	(kW)	206000 (60.4)
★2 Heating capacity	Nominal	Btu/h	243000 (71.2)
	Rated	(kW)	206000 (60.4)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	670 +670 (19.0 +19.0)
	Number of revolutions	r/min	5592 + 5592
	Motor output	kW	5.8 + 5.8
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ5/8 (15.9) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-1/8 (28.6) C1220T, φ1-1/8 (28.6) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	438.7 + 434.3 (199 + 197)
★6 Sound Pressure Level (Reference Data)		dB (A)	57.5
★6 Sound Power Level (Reference Data)		dB	75
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	7~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 17.4 (9.6 + 7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

NOTES:

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB),~80%RH.
Heat release from the unit (approx.):3412 Btu/h (1.0 kW) + 2730 Btu/h (0.8kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ240TBTJA

Model (Combination unit)		RWEQ240TBTJA	
Model (Independent unit)		RWEQ120TBTJA + RWEQ120TBTJA	
Power Supply		3 phase, 60Hz, 208/230V	
★1 Cooling capacity	Nominal	Btu/h	238000 (69.8)
	Rated	(kW)	228000 (66.8)
★2 Heating capacity	Nominal	Btu/h	270000 (79.1)
	Rated	(kW)	228000 (66.8)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	718 + 718 (20.3 + 20.3)
	Number of revolutions	r/min	5994 + 5994
	Motor output	kW	6.3 + 6.3
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ5/8 (15.9) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-1/8 (28.6) C1220T, φ1-3/8 (34.9) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	438.7 + 438.7 (199 + 199)
★6 Sound Pressure Level (Reference Data)		dB (A)	58
★6 Sound Power Level (Reference Data)		dB	75
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	6~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 (9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

NOTES:

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):3412 Btu/h (1.0 kW)x2.
 - There are some cases where capacity decreases depending on operating states.

RWEQ264TBTJA

Model (Combination unit)		RWEQ264TBTJA		
Model (Independent unit)		RWEQ144TBTJA + RWEQ120TBTJA		
Power Supply		3 phase, 60Hz, 208/230V		
★1 Cooling capacity	Nominal	Btu/h	264000 (77.4)	
	Rated	(kW)	252000 (73.9)	
★2 Heating capacity	Nominal	Btu/h	297000 (87.0)	
	Rated	(kW)	252000 (73.9)	
Casing color		Ivory white (5Y7.5/1)		
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)	
Heat exchanger		Stainless steel plate type		
Compressor	Type	Hermetically sealed scroll type		
	Displacement	ft ³ /h (m ³ /h)	813 + 813 (23.0 + 23.0)	
	Number of revolutions	r/min	6792 + 6792	
	Motor output	kW	7.1 + 7.1	
	Starting method	Soft start		
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-	
	Suction gas pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazing connection)★3 -Main line-	
	High/low pressure gas pipe	in. (mm)	★4	★5
			φ1-1/8 (28.6) C1220T, φ1-3/8 (34.9) C1220T (Brazing connection) -Main line-	
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)	
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)	
Drain outlet	in. (mm)	For ID 3/8 (10)		
Weight	lbs (kg)	438.7 + 438.7 (199 + 199)		
★6 Sound Pressure Level (Reference Data)	dB (A)	61.5		
★6 Sound Power Level (Reference Data)	dB	77		
Safety devices	High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse			
Capacity control	%	6~100		
Refrigerant	Refrigerant name	R410A		
	Charge	lbs (kg)	21.2 + 21.2 (9.6 + 9.6)	
	Control	Electronic expansion valve		
Standard accessories	Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor			

NOTES:

1. ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB)／Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB)／Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
2. This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 3. Hold ambient condition at 35~104°FDB (2~40°CDB),~80%RH.
Heat release from the unit (approx.):4436 Btu/h (1.3 kW) + 3412 Btu/h (1.0 kW).
 4. There are some cases where capacity decreases depending on operating states.

RWEQ288TBTJA

Model (Combination unit)		RWEQ288TBTJA		
Model (Independent unit)		RWEQ144TBTJA + RWEQ144TBTJA		
Power Supply		3 phase, 60Hz, 208/230V		
★1 Cooling capacity	Nominal	Btu/h	286000 (83.8)	
	Rated	(kW)	274000 (80.3)	
★2 Heating capacity	Nominal	Btu/h	324000 (95.0)	
	Rated	(kW)	274000 (80.3)	
Casing color		Ivory white (5Y7.5/1)		
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)	
Heat exchanger		Stainless steel plate type		
Compressor	Type	Hermetically sealed scroll type		
	Displacement	ft ³ /h (m ³ /h)	922 + 922 (26.1 +26.1)	
	Number of revolutions	r/min	7698 +7698	
	Motor output	kW	8.1 + 8.1	
	Starting method	Soft start		
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-	
	Suction gas pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazing connection)★3 -Main line-	
	High/low pressure gas pipe	in. (mm)	★4	★5
			φ1-1/8 (28.6) C1220T, φ1-3/8 (34.9) C1220T (Brazing connection) -Main line-	
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)	
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)	
Drain outlet	in. (mm)	For ID 3/8 (10)		
Weight	lbs (kg)	438.7 + 438.7 (199 + 199)		
★6 Sound Pressure Level (Reference Data)	dB (A)	63.5		
★6 Sound Power Level (Reference Data)	dB	78		
Safety devices	High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse			
Capacity control	%	5~100		
Refrigerant	Refrigerant name	R410A		
	Charge	lbs (kg)	21.2 + 21.2 (9.6 + 9.6)	
	Control	Electronic expansion valve		
Standard accessories	Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor			

NOTES:

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):4436 Btu/h (1.3 kW)x2.
 - There are some cases where capacity decreases depending on operating states.

RWEQ312TBTJA

Model (Combination unit)		RWEQ312TBTJA	
Model (Independent unit)		RWEQ120TBTJA + RWEQ96TBTJA + RWEQ96TBTJA	
Power Supply		3 phase, 60Hz, 208/230V	
★1 Cooling capacity	Nominal	Btu/h	312000 (91.4)
	Rated	(kW)	298000 (87.3)
★2 Heating capacity	Nominal	Btu/h	351000 (102.9)
	Rated	(kW)	298000 (87.3)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	670 + 670 + 670 (19.0 + 19.0 +19.0)
	Number of revolutions	r/min	5592 + 5592 + 5592
	Motor output	kW	5.8 + 5.8 + 5.8
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-1/8 (28.6) C1220T, φ1-3/8 (34.9) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	438.7 + 434.3 + 434.3 (199 + 197 + 197)
★6 Sound Pressure Level (Reference Data)		dB (A)	59
★6 Sound Power Level (Reference Data)		dB	76
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	5~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 17.4 + 17.4 (9.6 + 7.9 + 7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

NOTES:

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):3412 Btu/h (1.0 kW) + 2730 Btu/h (0.8 kW)x2.
 - There are some cases where capacity decreases depending on operating states.

RWEQ336TBTJA

Model (Combination unit)		RWEQ336TBTJA	
Model (Independent unit)		RWEQ120TBTJA + RWEQ120TBTJA + RWEQ96TBTJA	
Power Supply		3 phase, 60Hz, 208/230V	
★1 Cooling capacity	Nominal	Btu/h	336000 (98.5)
	Rated	(kW)	320000 (93.8)
★2 Heating capacity	Nominal	Btu/h	378000 (110.8)
	Rated	(kW)	320000 (93.8)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	698 + 698 + 698 (19.8 + 19.8 + 19.8)
	Number of revolutions	r/min	5832 + 5832 + 5832
	Motor output	kW	6.1 + 6.1 + 6.1
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-1/8 (28.6) C1220T, φ1-3/8 (34.9) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
	Weight	lbs (kg)	438.7 + 438.7 + 434.3 (199 + 199 + 197)
★6 Sound Pressure Level (Reference Data)		dB (A)	59.5
★6 Sound Power Level (Reference Data)		dB	77
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	4~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 + 17.4 (9.6 + 9.6 + 7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

NOTES:

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB),~80%RH.
Heat release from the unit (approx.):3412 Btu/h (1.0 kW)x2 + 2730 Btu/h (0.8 kW).
 - There are some cases where capacity decreases depending on operating states.

RWEQ360TBTJA

Model (Combination unit)		RWEQ360TBTJA	
Model (Independent unit)		RWEQ120TBTJA + RWEQ120TBTJA + RWEQ120TBTJA	
Power Supply		3 phase, 60Hz, 208/230V	
★1 Cooling capacity	Nominal	Btu/h	358000 (104.9)
	Rated	(kW)	342000 (100.2)
★2 Heating capacity	Nominal	Btu/h	405000 (118.7)
	Rated	(kW)	342000 (100.2)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	759 + 759 + 759 (21.5 + 21.5 + 21.5)
	Number of revolutions	r/min	6336 + 6336 + 6336
	Motor output	kW	6.6 + 6.6 + 6.6
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-5/8 (41.3) C1220T (Brazing connection) ★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-3/8 (34.9) C1220T, φ1-5/8 (41.3) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	438.7 + 438.7 + 438.7 (199 + 199 + 199)
★6 Sound Pressure Level (Reference Data)		dB (A)	60
★6 Sound Power Level (Reference Data)		dB	77
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	4~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 + 21.2 (9.6 + 9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):3412 Btu/h (1.0 kW)x3
 - There are some cases where capacity decreases depending on operating states.

RWEQ384TBTJA

Model (Combination unit)		RWEQ384TBTJA	
Model (Independent unit)		RWEQ144TBTJA + RWEQ120TBTJA + RWEQ120TBTJA	
Power Supply		3 phase, 60Hz, 208/230V	
★1 Cooling capacity	Nominal	Btu/h	384000 (112.5)
	Rated	(kW)	366000 (107.3)
★2 Heating capacity	Nominal	Btu/h	432000 (126.6)
	Rated	(kW)	366000 (107.3)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	848 + 848 + 848 (24.0 + 24.0 + 24.0)
	Number of revolutions	r/min	7080 + 7080 + 7080
	Motor output	kW	7.4 + 7.4 + 7.4
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-5/8 (41.3) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-3/8 (34.9) C1220T, φ1-5/8 (41.3) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	438.7 + 438.7 + 438.7 (199 + 199 + 199)
★6 Sound Pressure Level (Reference Data)		dB (A)	62
★6 Sound Power Level (Reference Data)		dB	78
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	4~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 + 21.2 (9.6 + 9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB)/Entering water temp.:86°F (30°C)
Equivalent piping length:75ft (23m) for ducted indoor units,150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB)/Entering water temp.:68°F (20°C)
Equivalent piping length:75ft (23m) for ducted indoor units,150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):4436 Btu/h (1.3 kW) + 3412 Btu/h (1.0 kW)x2
 - There are some cases where capacity decreases depending on operating states.

RWEQ408TBTJA

Model (Combination unit)		RWEQ408TBTJA	
Model (Independent unit)		RWEQ144TBTJA + RWEQ144TBTJA + RWEQ120TBTJA	
Power Supply		3 phase, 60Hz, 208/230V	
★1 Cooling capacity	Nominal	Btu/h	406000 (119.0)
	Rated	(kW)	388000 (113.7)
★2 Heating capacity	Nominal	Btu/h	459000 (134.5)
	Rated	(kW)	388000 (113.7)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	934 + 934 + 934 (26.5 + 26.5 + 26.5)
	Number of revolutions	r/min	7806 + 7806 + 7806
	Motor output	kW	8.1 + 8.1 + 8.1
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-5/8 (41.3) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-3/8 (34.9) C1220T, φ1-5/8 (41.3) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	438.7 + 438.7 + 438.7 (199 + 199 + 199)
★6 Sound Pressure Level (Reference Data)		dB (A)	64
★6 Sound Power Level (Reference Data)		dB	79
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	4~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 + 21.2 (9.6 + 9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:75ft (23m) for ducted indoor units,150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:75ft (23m) for ducted indoor units,150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):4436 Btu/h (1.3 kW)x2 + 3412 Btu/h (1.0 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ432TBTJA

Model (Combination unit)		RWEQ432TBTJA	
Model (Independent unit)		RWEQ144TBTJA + RWEQ144TBTJA + RWEQ144TBTJA	
Power Supply		3 phase, 60Hz, 208/230V	
★1 Cooling capacity	Nominal	Btu/h	422000 (123.7)
	Rated	(kW)	402000 (117.8)
★2 Heating capacity	Nominal	Btu/h	486000 (142.4)
	Rated	(kW)	402000 (117.8)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	1002 + 1002 + 1002 (28.4 + 28.4 + 28.4)
	Number of revolutions	r/min	8370 + 8370 + 8370
	Motor output	kW	8.8 + 8.8 + 8.8
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-5/8 (41.3) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-3/8 (34.9) C1220T, φ1-5/8 (41.3) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	438.7 + 438.7 + 438.7 (199 + 199 + 199)
★6 Sound Pressure Level (Reference Data)		dB (A)	65
★6 Sound Power Level (Reference Data)		dB	80
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	4~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 + 21.2 (9.6 + 9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:75ft (23m) for ducted indoor units,150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:75ft (23m) for ducted indoor units,150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):4436 Btu/h (1.3 kW)x3
 - There are some cases where capacity decreases depending on operating states.

1.2 RWEQ-TBYDA

RWEQ72TBYDA

Model		RWEQ72TBYDA	
Power Supply		3 phase, 60Hz, 460V	
★1 Cooling capacity	Nominal	Btu/h (kW)	72000 (21.1)
	Rated		69000 (20.2)
★2 Heating capacity	Nominal	Btu/h (kW)	81000 (23.7)
	Rated		69000 (20.2)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	38-9/16 x 30-1/8 x 22-1/16 (980 x 765 x 560)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	447 (12.7)
	Number of revolutions	r/min	3738
	Motor output	kW	3.9
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ3/8 (9.5) C1220T (Brazing connection)
	Suction gas pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection)★3
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ5/8 (15.9) C1220T, φ3/4 (19.1) C1220T (Brazing connection)
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight	lbs (kg)	440.9 (200)	
★6 Sound Pressure Level (Reference Data)	dB (A)	54	
★6 Sound Power Level (Reference Data)	dB	71	
Safety devices	High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse		
Capacity control	%	15~100	
Refrigerant	Refrigerant name	R410A	
	Charge	lbs (kg)	17.4 (7.9)
	Control	Electronic expansion valve	
Standard accessories	Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 · 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 · 1 1/4-11.5 NPT female)		

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units,50ft (15.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units,50ft (15.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):2730 Btu/h (0.8 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ96TBYDA

Model		RWEQ96TBYDA	
Power Supply		3 phase, 60Hz, 460V	
★1 Cooling capacity	Nominal	Btu/h	96000 (28.1)
	Rated	(kW)	92000 (27.0)
★2 Heating capacity	Nominal	Btu/h	108000 (31.7)
	Rated	(kW)	92000 (27.0)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	38-9/16 x 30-1/8 x 22-1/16 (980 x 765 x 560)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	559 (15.8)
	Number of revolutions	r/min	4668
	Motor output	kW	4.8
Starting method		Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ3/8 (9.5) C1220T (Brazing connection)
	Suction gas pipe	in. (mm)	φ7/8 (22.2) C1220T (Brazing connection)★3
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ3/4 (19.1) C1220T, φ7/8 (22.2) C1220T (Brazing connection)
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	440.9 (200)
★6 Sound Pressure Level (Reference Data)		dB (A)	54
★6 Sound Power Level (Reference Data)		dB	71
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	15~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	17.4 (7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units,50ft (15.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units,50ft (15.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):2730 Btu/h (0.8 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ120TBYDA

Model		RWEQ120TBYDA	
Power Supply		3 phase, 60Hz, 460V	
★1 Cooling capacity	Nominal	Btu/h (kW)	119000 (34.9)
	Rated		114000 (33.4)
★2 Heating capacity	Nominal	Btu/h (kW)	135000 (39.6)
	Rated		114000 (33.4)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	38-9/16 x 30-1/8 x 22-1/16 (980 x 765 x 560)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	698 (19.8)
	Number of revolutions	r/min	5832
	Motor output	kW	6.0
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ1/2 (12.7) C1220T (Brazing connection)
	Suction gas pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing connection)★3
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ3/4 (19.1) C1220T, φ1-1/8 (28.6) C1220T (Brazing connection)
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	445.3 (202)
★6 Sound Pressure Level (Reference Data)		dB (A)	55
★6 Sound Power Level (Reference Data)		dB	72
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	12~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 (9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units,75ft (23m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units,75ft (23m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):3412 Btu/h (1.0 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ144TBYDA

Model		RWEQ144TBYDA	
Power Supply		3 phase, 60Hz, 460V	
★1 Cooling capacity	Nominal	Btu/h	144000 (42.2)
	Rated	(kW)	138000 (40.4)
★2 Heating capacity	Nominal	Btu/h	162000 (47.5)
	Rated	(kW)	138000 (40.4)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	38-9/16 x 30-1/8 x 22-1/16 (980 x 765 x 560)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	896 (25.4)
	Number of revolutions	r/min	7488
	Motor output	kW	7.8
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ1/2 (12.7) C1220T (Brazing connection)
	Suction gas pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing connection)★3
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ7/8 (22.2) C1220T, φ1-1/8 (28.6) C1220T (Brazing connection)
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
Drain outlet	in. (mm)	For ID 3/8 (10)	
Weight		lbs (kg)	445.3 (202)
★6 Sound Pressure Level (Reference Data)		dB (A)	60.5
★6 Sound Power Level (Reference Data)		dB	75
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	11~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 (9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):4436 Btu/h (1.3 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ168TBYDA

Model (Combination unit)		RWEQ168TBYDA		
Model (Independent unit)		RWEQ72TBYDA + RWEQ96TBYDA		
Power Supply		3 phase, 60Hz, 460V		
★1 Cooling capacity	Nominal	Btu/h	162000 (47.5)	
	Rated	(kW)	156000 (45.7)	
★2 Heating capacity	Nominal	Btu/h	189000 (55.4)	
	Rated	(kW)	156000 (45.7)	
Casing color		Ivory white (5Y7.5/1)		
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)	
Heat exchanger		Stainless steel plate type		
Compressor	Type		Hermetically sealed scroll type	
	Displacement		ft ³ /h (m ³ /h)	473 + 473 (13.4 + 13.4)
	Number of revolutions		r/min	3948 + 3948
	Motor output		kW	4.1 + 4.1
	Starting method		Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ5/8 (15.9) C1220T (Brazing connection) -Main line-	
	Suction gas pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing connection)★3 -Main line-	
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ7/8 (22.2) C1220T, φ7/8 (22.2) C1220T (Brazing connection) -Main line-	
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)	
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)	
	Drain outlet	in. (mm)	For ID 3/8 (10)	
Weight		lbs (kg)	440.9 + 440.9 (200 + 200)	
★6 Sound Pressure Level (Reference Data)		dB (A)	57	
★6 Sound Power Level (Reference Data)		dB	74	
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse		
Capacity control		%	8~100	
Refrigerant	Refrigerant name		R410A	
	Charge	lbs (kg)	17.4 + 17.4 (7.9 + 7.9)	
	Control		Electronic expansion valve	
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh, ANSI-ASME B1.20.1 · 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 · 1 1/4-11.5 NPT female)		

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):2730 Btu/h (0.8 kW)x2
 - There are some cases where capacity decreases depending on operating states.

RWEQ192TBYDA

Model (Combination unit)		RWEQ192TBYDA	
Model (Independent unit)		RWEQ96TBYDA + RWEQ96TBYDA	
Power Supply		3 phase, 60Hz, 460V	
★1 Cooling capacity	Nominal	Btu/h	192000 (56.3)
	Rated	(kW)	184000 (53.9)
★2 Heating capacity	Nominal	Btu/h	216000 (63.3)
	Rated	(kW)	184000 (53.9)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	567 + 567 (16.1 + 16.1)
	Number of revolutions	r/min	4734 + 4734
	Motor output	kW	4.9 + 4.9
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ5/8 (15.9) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-1/8 (28.6) C1220T, φ1-1/8 (28.6) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	440.9 + 440.9 (200 + 200)
★6 Sound Pressure Level (Reference Data)		dB (A)	57
★6 Sound Power Level (Reference Data)		dB	74
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	8~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	17.4 + 17.4 (7.9 + 7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB),~80%RH. Heat release from the unit (approx.):2730 Btu/h (0.8 kW)x2
 - There are some cases where capacity decreases depending on operating states.

RWEQ216TBYDA

Model (Combination unit)		RWEQ216TBYDA	
Model (Independent unit)		RWEQ120TBYDA + RWEQ96TBYDA	
Power Supply		3 phase, 60Hz, 460V	
★1 Cooling capacity	Nominal	Btu/h (kW)	216000 (63.3)
	Rated		206000 (60.4)
★2 Heating capacity	Nominal	Btu/h (kW)	243000 (71.2)
	Rated		206000 (60.4)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	670 + 670 (19.0 + 19.0)
	Number of revolutions	r/min	5592 + 5592
	Motor output	kW	5.8 + 5.8
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ5/8 (15.9) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-1/8 (28.6) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-1/8 (28.6) C1220T, φ1-1/8 (28.6) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	445.3 + 440.9 (202 + 200)
★6 Sound Pressure Level (Reference Data)		dB (A)	57.5
★6 Sound Power Level (Reference Data)		dB	75
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	7~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 17.4 (9.6 + 7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):3412 Btu/h (1.0 kW) + 2730 Btu/h (0.8kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ240TBYDA

Model (Combination unit)		RWEQ240TBYDA	
Model (Independent unit)		RWEQ120TBYDA + RWEQ120TBYDA	
Power Supply		3 phase, 60Hz, 460V	
★1 Cooling capacity	Nominal	Btu/h (kW)	238000 (69.8)
	Rated		228000 (66.8)
★2 Heating capacity	Nominal	Btu/h (kW)	270000 (79.1)
	Rated		228000 (66.8)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	718 + 718 (20.3 + 20.3)
	Number of revolutions	r/min	5994 + 5994
	Motor output	kW	6.3 + 6.3
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ5/8 (15.9) C1220T (Brazeing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazeing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-1/8 (28.6) C1220T, φ1-3/8 (34.9) C1220T (Brazeing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	445.3 + 445.3 (202 + 202)
★6 Sound Pressure Level (Reference Data)		dB (A)	58
★6 Sound Power Level (Reference Data)		dB	75
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	6~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 (9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):3412 Btu/h (1.0 kW)x2
 - There are some cases where capacity decreases depending on operating states.

RWEQ264TBYDA

Model (Combination unit)		RWEQ264TBYDA		
Model (Independent unit)		RWEQ144TBYDA + RWEQ120TBYDA		
Power Supply		3 phase, 60Hz, 460V		
★1 Cooling capacity	Nominal	Btu/h (kW)	264000 (77.4)	
	Rated		252000 (73.9)	
★2 Heating capacity	Nominal	Btu/h (kW)	297000 (87.0)	
	Rated		252000 (73.9)	
Casing color		Ivory white (5Y7.5/1)		
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)	
Heat exchanger		Stainless steel plate type		
Compressor	Type		Hermetically sealed scroll type	
	Displacement		ft ³ /h (m ³ /h)	813 + 813 (23.0 + 23.0)
	Number of revolutions		r/min	6792 + 6792
	Motor output		kW	7.1 + 7.1
	Starting method		Soft start	
Connecting pipes	Liquid pipe		in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe		in. (mm)	φ1-3/8 (34.9) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe		in. (mm)	★4 ★5 φ1-1/8 (28.6) C1220T, φ1-3/8 (34.9) C1220T (Brazing connection) -Main line-
	Water inlet		in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet		in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet		in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	445.3 + 445.3 (202 + 202)	
★6 Sound Pressure Level (Reference Data)		dB (A)	61.5	
★6 Sound Power Level (Reference Data)		dB	77	
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse		
Capacity control		%	6~100	
Refrigerant	Refrigerant name		R410A	
	Charge		lbs (kg)	21.2 + 21.2 (9.6 + 9.6)
	Control		Electronic expansion valve	
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor		

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):4436 Btu/h (1.3 kW) + 3412 Btu/h (1.0 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ288TBYDA

Model (Combination unit)		RWEQ288TBYDA	
Model (Independent unit)		RWEQ144TBYDA + RWEQ144TBYDA	
Power Supply		3 phase, 60Hz, 460V	
★1 Cooling capacity	Nominal	Btu/h (kW)	286000 (83.8)
	Rated		274000 (80.3)
★2 Heating capacity	Nominal	Btu/h (kW)	324000 (95.0)
	Rated		274000 (80.3)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	922 + 922 (26.1 + 26.1)
	Number of revolutions	r/min	7698 + 7698
	Motor output	kW	8.1 + 8.1
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazeing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazeing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-1/8 (28.6) C1220T, φ1-3/8 (34.9) C1220T (Brazeing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	445.3 + 445.3 (202 + 202)
★6 Sound Pressure Level (Reference Data)		dB (A)	63.5
★6 Sound Power Level (Reference Data)		dB	78
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	5~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 (9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB),~80%RH. Heat release from the unit (approx.):4436 Btu/h (1.3 kW)x2
 - There are some cases where capacity decreases depending on operating states.

RWEQ312TBYDA

Model (Combination unit)		RWEQ312TBYDA	
Model (Independent unit)		RWEQ120TBYDA + RWEQ96TBYDA + RWEQ96TBYDA	
Power Supply		3 phase, 60Hz, 460V	
★1 Cooling capacity	Nominal	Btu/h	312000 (91.4)
	Rated	(kW)	298000 (87.3)
★2 Heating capacity	Nominal	Btu/h	351000 (102.9)
	Rated	(kW)	298000 (87.3)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement		ft ³ /h (m ³ /h)
	Number of revolutions		r/min
	Motor output		kW
	Starting method		
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-1/8 (28.6) C1220T, φ1-3/8 (34.9) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	445.3 + 440.9 + 440.9 (202 + 200 + 200)
★6 Sound Pressure Level (Reference Data)		dB (A)	59
★6 Sound Power Level (Reference Data)		dB	76
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	5~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 17.4 + 17.4 (9.6 + 7.9 + 7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):3412 Btu/h (1.0 kW) + 2730 Btu/h (0.8 kW)x2
 - There are some cases where capacity decreases depending on operating states.

RWEQ336TBYDA

Model (Combination unit)		RWEQ336TBYDA	
Model (Independent unit)		RWEQ120TBYDA + RWEQ120TBYDA + RWEQ96TBYDA	
Power Supply		3 phase, 60Hz, 460V	
★1 Cooling capacity	Nominal	Btu/h	336000 (98.5)
	Rated	(kW)	320000 (93.8)
★2 Heating capacity	Nominal	Btu/h	378000 (110.8)
	Rated	(kW)	320000 (93.8)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	698 + 698 + 698 (19.8 + 19.8 + 19.8)
	Number of revolutions	r/min	5832 + 5832 + 5832
	Motor output	kW	6.1 + 6.1 + 6.1
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-3/8 (34.9) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-1/8 (28.6) C1220T, φ1-3/8 (34.9) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	445.3 + 445.3 + 440.9 (202 + 202 + 200)
★6 Sound Pressure Level (Reference Data)		dB (A)	59.5
★6 Sound Power Level (Reference Data)		dB	77
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	4~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 + 17.4 (9.6 + 9.6 + 7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):3412 Btu/h (1.0 kW)x2 + 2730 Btu/h (0.8 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ360TBYDA

Model (Combination unit)		RWEQ360TBYDA	
Model (Independent unit)		RWEQ120TBYDA + RWEQ120TBYDA + RWEQ120TBYDA	
Power Supply		3 phase, 60Hz, 460V	
★1 Cooling capacity	Nominal	Btu/h (kW)	358000 (104.9)
	Rated		342000 (100.2)
★2 Heating capacity	Nominal	Btu/h (kW)	405000 (118.7)
	Rated		342000 (100.2)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	759 + 759 + 759 (21.5 + 21.5 + 21.5)
	Number of revolutions	r/min	6336 + 6336 + 6336
	Motor output	kW	6.6 + 6.6 + 6.6
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazeing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-5/8 (41.3) C1220T (Brazeing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-3/8 (34.9) C1220T, φ1-5/8 (41.3) C1220T (Brazeing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight	lbs (kg)	445.3 + 445.3 + 445.3 (202 + 202 + 202)	
★6 Sound Pressure Level (Reference Data)	dB (A)	60	
★6 Sound Power Level (Reference Data)	dB	77	
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control	%	4~100	
Refrigerant	Refrigerant name	R410A	
	Charge	lbs (kg)	21.2 + 21.2 + 21.2 (9.6 + 9.6 + 9.6)
	Control	Electronic expansion valve	
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units,100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB),~80%RH. Heat release from the unit (approx.):3412 Btu/h (1.0 kW)x3
 - There are some cases where capacity decreases depending on operating states.

RWEQ384TBYDA

Model (Combination unit)		RWEQ384TBYDA	
Model (Independent unit)		RWEQ144TBYDA + RWEQ120TBYDA + RWEQ120TBYDA	
Power Supply		3 phase, 60Hz, 460V	
★1 Cooling capacity	Nominal	Btu/h	384000 (112.5)
	Rated	(kW)	366000 (107.3)
★2 Heating capacity	Nominal	Btu/h	432000 (126.6)
	Rated	(kW)	366000 (107.3)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type		Hermetically sealed scroll type
	Displacement	ft ³ /h (m ³ /h)	848 + 848 + 848 (24.0 + 24.0 + 24.0)
	Number of revolutions	r/min	7080 + 7080 + 7080
	Motor output	kW	7.4 + 7.4 + 7.4
	Starting method		Soft start
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-5/8 (41.3) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-3/8 (34.9) C1220T, φ1-5/8 (41.3) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	445.3 + 445.3 + 445.3 (202 + 202 + 202)
★6 Sound Pressure Level (Reference Data)		dB (A)	62
★6 Sound Power Level (Reference Data)		dB	78
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	4~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 + 21.2 (9.6 + 9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:75ft (23m) for ducted indoor units,150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:75ft (23m) for ducted indoor units,150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
2. This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
3. Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):4436 Btu/h (1.3 kW) + 3412 Btu/h (1.0 kW)x2
4. There are some cases where capacity decreases depending on operating states.

RWEQ408TBYDA

Model (Combination unit)		RWEQ408TBYDA	
Model (Independent unit)		RWEQ144TBYDA + RWEQ144TBYDA + RWEQ120TBYDA	
Power Supply		3 phase, 60Hz, 460V	
★1 Cooling capacity	Nominal	Btu/h	406000 (119.0)
	Rated	(kW)	388000 (113.7)
★2 Heating capacity	Nominal	Btu/h	459000 (134.5)
	Rated	(kW)	388000 (113.7)
Casing color		Ivory white (5Y7.5/1)	
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	934 + 934 + 934 (26.5 + 26.5 + 26.5)
	Number of revolutions	r/min	7806 + 7806 + 7806
	Motor output	kW	8.1 + 8.1 + 8.1
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ1-5/8 (41.3) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-3/8 (34.9) C1220T, φ1-5/8 (41.3) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	445.3 + 445.3 + 445.3 (202 + 202 + 202)
★6 Sound Pressure Level (Reference Data)		dB (A)	64
★6 Sound Power Level (Reference Data)		dB	79
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	4~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 + 21.2 (9.6 + 9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor	

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB)/Entering water temp.:86°F (30°C)
Equivalent piping length:75ft (23m) for ducted indoor units,150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB)/Entering water temp.:68°F (20°C)
Equivalent piping length:75ft (23m) for ducted indoor units,150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB),~80%RH.
Heat release from the unit (approx.):4436 Btu/h (1.3 kW)x2 + 3412 Btu/h (1.0 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ432TBYDA

Model (Combination unit)		RWEQ432TBYDA		
Model (Independent unit)		RWEQ144TBYDA + RWEQ144TBYDA + RWEQ144TBYDA		
Power Supply		3 phase, 60Hz, 460V		
★1 Cooling capacity	Nominal	Btu/h	422000 (123.7)	
	Rated	(kW)	402000 (117.8)	
★2 Heating capacity	Nominal	Btu/h	486000 (142.4)	
	Rated	(kW)	402000 (117.8)	
Casing color		Ivory white (5Y7.5/1)		
Dimensions : (H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)	
Heat exchanger		Stainless steel plate type		
Compressor	Type		Hermetically sealed scroll type	
	Displacement		ft ³ /h (m ³ /h)	1002 + 1002 + 1002 (28.4 + 28.4 + 28.4)
	Number of revolutions		r/min	8370 + 8370 + 8370
	Motor output		kW	8.8 + 8.8 + 8.8
	Starting method		Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ3/4 (19.1) C1220T (Brazing connection) -Main line-	
	Suction gas pipe	in. (mm)	φ1-5/8 (41.3) C1220T (Brazing connection)★3 -Main line-	
	High/low pressure gas pipe	in. (mm)	★4 ★5 φ1-3/8 (34.9) C1220T, φ1-5/8 (41.3) C1220T (Brazing connection) -Main line-	
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)	
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)	
	Drain outlet	in. (mm)	For ID 3/8 (10)	
Weight		lbs (kg)	445.3 + 445.3 + 445.3 (202 + 202 + 202)	
★6 Sound Pressure Level (Reference Data)		dB (A)	65	
★6 Sound Power Level (Reference Data)		dB	80	
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse		
Capacity control		%	4~100	
Refrigerant	Refrigerant name		R410A	
	Charge	lbs (kg)	21.2 + 21.2 + 21.2 (9.6 + 9.6 + 9.6)	
	Control		Electronic expansion valve	
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer Pipe adaptor		

Notes

- ★1 Indoor temp.:80.6°FDB (27°CDB),66.2°FWB (19°CWB) / Entering water temp.:86°F (30°C)
Equivalent piping length:75ft (23m) for ducted indoor units,150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp.:68°FDB (20°CDB),59°FWB (15°CWB) / Entering water temp.:68°F (20°C)
Equivalent piping length:75ft (23m) for ducted indoor units,150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value.
During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB),~80%RH. Heat release from the unit (approx.):4436 Btu/h (1.3 kW)x3
 - There are some cases where capacity decreases depending on operating states.

1.3 RWEQ-TBYCU

RWEQ72TBYCU

Model		RWEQ72TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h (kW)	72000 (21.1)
	Rated		69000 (20.2)
★2 Heating capacity	Nominal	Btu/h (kW)	81000 (23.7)
	Rated		69000 (20.2)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	38-9/16 x 30-1/8 x 22-1/16 (980 x 765 x 560)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	447 (12.7)
	Number of revolutions	r/min	3738
	Motor output	kW	3.9
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	ϕ 3/8 (9.5) C1220T (Brazing connection)
	Suction gas pipe	in. (mm)	ϕ 3/4 (19.1) C1220T (Brazing connection)★3
	High/low pressure gas pipe	in. (mm)	★4 ϕ 5/8 (15.9) C1220T, ★5 ϕ 3/4 (19.1) C1220T (Brazing connection)
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	436.5 (198)
★6 Sound Pressure Level (Reference Data)		dB (A)	54
★6 Sound Power Level (Reference Data)		dB	71
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	15~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	17.4 (7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp. :80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp. :86°F (30°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units, 50ft (15.5m) for non-ducted indoor units,
Level difference:0ft.

★2 Indoor temp. :68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp. :68°F (20°C)
Equivalent piping length:25ft (7.6m) for ducted indoor units, 50ft (15.5m) for non-ducted indoor units,
Level difference:0ft.

★3 In the case of heat pump system, the suction gas pipe is not used.

★4 In the case of heat recovery system.

★5 In the case of heat pump system.

★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
- Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):2730 Btu/h (0.8 kW)
- There are some cases where capacity decreases depending on operating states.

RWEQ96TBYCU

Model		RWEQ96TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h (kW)	96000 (28.1)
	Rated		92000 (27.0)
★2 Heating capacity	Nominal	Btu/h (kW)	108000 (31.7)
	Rated		92000 (27.0)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	38-9/16 x 30-1/8 x 22-1/16 (980 x 765 x 560)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	559 (15.8)
	Number of revolutions	r/min	4668
	Motor output	kW	4.8
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	ϕ 3/8 (9.5) C1220T (Brazing connection)
	Suction gas pipe	in. (mm)	ϕ 7/8 (22.2) C1220T (Brazing connection)★3
	High/low pressure gas pipe	in. (mm)	★4 ϕ 3/4 (19.1) C1220T, ★5 ϕ 7/8 (22.2) C1220T (Brazing connection)
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	436.5 (198)
★6 Sound Pressure Level (Reference Data)		dB (A)	54
★6 Sound Power Level (Reference Data)		dB	71
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	15~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	17.4 (7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp.: 80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp.: 86°F (30°C)
Equivalent piping length: 25ft (7.6m) for ducted indoor units, 50ft (15.5m) for non-ducted indoor units,
Level difference: 0ft.
 - ★2 Indoor temp.: 68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp.: 68°F (20°C)
Equivalent piping length: 25ft (7.6m) for ducted indoor units, 50ft (15.5m) for non-ducted indoor units,
Level difference: 0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.): 2730 Btu/h (0.8 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ120TBYCU

Model		RWEQ120TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h (kW)	119000 (34.9)
	Rated		114000 (33.4)
★2 Heating capacity	Nominal	Btu/h (kW)	135000 (39.6)
	Rated		114000 (33.4)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	38-9/16 x 30-1/8 x 22-1/16 (980 x 765 x 560)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	698 (19.8)
	Number of revolutions	r/min	5832
	Motor output	kW	6.0
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ 1/2 (12.7) C1220T (Brazing connection)
	Suction gas pipe	in. (mm)	φ 1-1/8 (28.6) C1220T (Brazing connection)★3
	High/low pressure gas pipe	in. (mm)	★4 φ 3/4 (19.1) C1220T, ★5 φ 1-1/8 (28.6) C1220T (Brazing connection)
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	440.9 (200)
★6 Sound Pressure Level (Reference Data)		dB (A)	55
★6 Sound Power Level (Reference Data)		dB	72
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	12~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 (9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp.: 80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp.: 86°F (30°C)
Equivalent piping length: 25ft (7.6m) for ducted indoor units, 75ft (23m) for non-ducted indoor units,
Level difference: 0ft.

★2 Indoor temp.: 68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp.: 68°F (20°C)
Equivalent piping length: 25ft (7.6m) for ducted indoor units, 75ft (23m) for non-ducted indoor units,
Level difference: 0ft.

★3 In the case of heat pump system, the suction gas pipe is not used.

★4 In the case of heat recovery system.

★5 In the case of heat pump system.

★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
- Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.): 3412 Btu/h (1.0 kW)
- There are some cases where capacity decreases depending on operating states.

RWEQ144TBYCU

Model		RWEQ144TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h (kW)	144000 (42.2)
	Rated		138000 (40.4)
★2 Heating capacity	Nominal	Btu/h (kW)	162000 (47.5)
	Rated		138000 (40.4)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	38-9/16 x 30-1/8 x 22-1/16 (980 x 765 x 560)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	896 (25.4)
	Number of revolutions	r/min	7488
	Motor output	kW	7.8
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ 1/2 (12.7) C1220T (Brazing connection)
	Suction gas pipe	in. (mm)	φ 1-1/8 (28.6) C1220T (Brazing connection)★3
	High/low pressure gas pipe	in. (mm)	★4 φ 7/8 (22.2) C1220T, ★5 φ 1-1/8 (28.6) C1220T (Brazing connection)
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	440.9 (200)
★6 Sound Pressure Level (Reference Data)		dB (A)	60.5
★6 Sound Power Level (Reference Data)		dB	75
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	11~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 (9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp. :80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp. :86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
- ★2 Indoor temp. :68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp. :68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
- ★3 In the case of heat pump system, the suction gas pipe is not used.
- ★4 In the case of heat recovery system.
- ★5 In the case of heat pump system.
- ★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.

- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
- Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):4436 Btu/h (1.3 kW)
- There are some cases where capacity decreases depending on operating states.

RWEQ168TBYCU

Model (Combination unit)		RWEQ168TBYCU	
Model (Independent unit)		RWEQ72TBYCU + RWEQ96TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h (kW)	162000 (47.5)
	Rated		156000 (45.7)
★2 Heating capacity	Nominal	Btu/h (kW)	189000 (55.4)
	Rated		156000 (45.7)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h(m ³ /h)	473 + 473 (13.4 + 13.4)
	Number of revolutions	r/min	3948 + 3948
	Motor output	kW	4.1 + 4.1
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ 5/8 (15.9) C1220T (Brazeing connection) -Main line-
	Suction gas pipe	in. (mm)	φ 1-1/8 (28.6) C1220T (Brazeing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 φ 7/8 (22.2) C1220T, ★5 φ 7/8 (22.2) C1220T (Brazeing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight	lbs (kg)	436.5 + 436.5 (198 + 198)	
★6 Sound Pressure Level (Reference Data)	dB (A)	57	
★6 Sound Power Level (Reference Data)	dB	74	
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control	%	8~100	
Refrigerant	Refrigerant name	R410A	
	Charge	lbs (kg)	17.4 + 17.4 (7.9 + 7.9)
	Control	Electronic expansion valve	
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp.: 80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp.: 86°F (30°C)
Equivalent piping length: 50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference: 0ft.
 - ★2 Indoor temp.: 68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp.: 68°F (20°C)
Equivalent piping length: 50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference: 0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.): 2730 Btu/h (0.8 kW)x2
 - There are some cases where capacity decreases depending on operating states.

RWEQ192TBYCU

Model (Combination unit)		RWEQ192TBYCU	
Model (Independent unit)		RWEQ96TBYCU + RWEQ96TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h	192000 (56.3)
	Rated	(kW)	184000 (53.9)
★2 Heating capacity	Nominal	Btu/h	216000 (63.3)
	Rated	(kW)	184000 (53.9)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	567 + 567 (16.1 + 16.1)
	Number of revolutions	r/min	4734 + 4734
	Motor output	kW	4.9 + 4.9
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ 5/8 (15.9) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ 1-1/8 (28.6) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 φ 1-1/8 (28.6) C1220T, ★5 φ 1-1/8 (28.6) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
Drain outlet	in. (mm)	For ID 3/8 (10)	
Weight	lbs (kg)	436.5 + 436.5 (198 + 198)	
★6 Sound Pressure Level (Reference Data)	dB (A)	57	
★6 Sound Power Level (Reference Data)	dB	74	
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control	%	8~100	
Refrigerant	Refrigerant name	R410A	
	Charge	lbs (kg)	17.4 + 17.4 (7.9 + 7.9)
	Control	Electronic expansion valve	
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp. :80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp. :86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp. :68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp. :68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):2730 Btu/h (0.8 kW)x2
 - There are some cases where capacity decreases depending on operating states.

RWEQ216TBYCU

Model (Combination unit)		RWEQ216TBYCU	
Model (Independent unit)		RWEQ120TBYCU + RWEQ96TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h (kW)	216000 (63.3)
	Rated		206000 (60.4)
★2 Heating capacity	Nominal	Btu/h (kW)	243000 (71.2)
	Rated		206000 (60.4)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	670 + 670 (19.0 + 19.0)
	Number of revolutions	r/min	5592 + 5592
	Motor output	kW	5.8 + 5.8
Starting method		Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ 5/8 (15.9) C1220T (Brazeing connection) -Main line-
	Suction gas pipe	in. (mm)	φ 1-1/8 (28.6) C1220T (Brazeing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 φ 1-1/8 (28.6) C1220T, ★5 φ 1-1/8 (28.6) C1220T (Brazeing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
Drain outlet	in. (mm)	For ID 3/8 (10)	
Weight		lbs (kg)	440.9 + 436.5 (200 + 198)
★6 Sound Pressure Level (Reference Data)		dB (A)	57.5
★6 Sound Power Level (Reference Data)		dB	75
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	7~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 17.4 (9.6 + 7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp.: 80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp.: 86°F (30°C)
Equivalent piping length: 50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference: 0ft.
 - ★2 Indoor temp.: 68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp.: 68°F (20°C)
Equivalent piping length: 50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference: 0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.): 3412 Btu/h (1.0 kW) + 2730 Btu/h (0.8kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ240TBYCU

Model (Combination unit)		RWEQ240TBYCU	
Model (Independent unit)		RWEQ120TBYCU + RWEQ120TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h	238000(69.8)
	Rated	(kW)	228000(66.8)
★2 Heating capacity	Nominal	Btu/h	270000(79.1)
	Rated	(kW)	228000(66.8)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h(m ³ /h)	718 + 718 (20.3 + 20.3)
	Number of revolutions	r/min	5994 + 5994
	Motor output	kW	6.3 + 6.3
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ 5/8 (15.9) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ 1-3/8 (34.9) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 φ 1-1/8 (28.6) C1220T, ★5 φ 1-3/8 (34.9) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	440.9 + 440.9 (200 + 200)
★6 Sound Pressure Level (Reference Data)		dB (A)	58
★6 Sound Power Level (Reference Data)		dB	75
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	6~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 (9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp. :80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp. :86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp. :68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp. :68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):3412 Btu/h (1.0 kW)x2
 - There are some cases where capacity decreases depending on operating states.

RWEQ264TBYCU

Model (Combination unit)		RWEQ264TBYCU	
Model (Independent unit)		RWEQ144TBYCU + RWEQ120TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h	264000 (77.4)
	Rated	(kW)	252000 (73.9)
★2 Heating capacity	Nominal	Btu/h	297000 (87.0)
	Rated	(kW)	252000 (73.9)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	813 + 813 (23.0 + 23.0)
	Number of revolutions	r/min	6792 + 6792
	Motor output	kW	7.1 + 7.1
Starting method		Soft start	
Connecting pipes	Liquid pipe	in. (mm)	ϕ 3/4 (19.1) C1220T (Brazeing connection) -Main line-
	Suction gas pipe	in. (mm)	ϕ 1-3/8 (34.9) C1220T (Brazeing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ϕ 1-1/8 (28.6) C1220T, ★5 ϕ 1-3/8 (34.9) C1220T (Brazeing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
Drain outlet	in. (mm)	For ID 3/8 (10)	
Weight		lbs (kg)	440.9 + 440.9 (200 + 200)
★6 Sound Pressure Level (Reference Data)		dB (A)	61.5
★6 Sound Power Level (Reference Data)		dB	77
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	6~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 (9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp. :80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp. :86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp. :68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp. :68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):4436 Btu/h (1.3 kW) + 3412 Btu/h (1.0 kW)
 - There are some cases where capacity decreases depending on operating states.

RWEQ288TBYCU

Model (Combination unit)		RWEQ288TBYCU	
Model (Independent unit)		RWEQ144TBYCU + RWEQ144TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h (kW)	286000 (83.8)
	Rated		274000 (80.3)
★2 Heating capacity	Nominal	Btu/h (kW)	324000 (95.0)
	Rated		274000 (80.3)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x2 ((980 x 765 x 560)x2)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	922 + 922 (26.1 + 26.1)
	Number of revolutions	r/min	7698 + 7698
	Motor output	kW	8.1 + 8.1
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ 3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ 1-3/8 (34.9) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 φ 1-1/8 (28.6) C1220T, ★5 φ 1-3/8 (34.9) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	440.9 + 440.9 (200 + 200)
★6 Sound Pressure Level (Reference Data)		dB (A)	63.5
★6 Sound Power Level (Reference Data)		dB	78
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	5~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 (9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp. :80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp. :86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp. :68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp. :68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):4436 Btu/h (1.3 kW)x2
 - There are some cases where capacity decreases depending on operating states.

RWEQ312TBYCU

Model (Combination unit)		RWEQ312TBYCU	
Model (Independent unit)		RWEQ120TBYCU + RWEQ96TBYCU + RWEQ96TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h	312000(91.4)
	Rated	(kW)	298000(87.3)
★2 Heating capacity	Nominal	Btu/h	351000(102.9)
	Rated	(kW)	298000(87.3)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h(m ³ /h)	670 + 670 + 670 (19.0 + 19.0 + 19.0)
	Number of revolutions	r/min	5592 + 5592 + 5592
	Motor output	kW	5.8 + 5.8 + 5.8
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	ϕ 3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	ϕ 1-3/8 (34.9) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ϕ 1-1/8 (28.6) C1220T, ★5 ϕ 1-3/8 (34.9) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	440.9 + 436.5 + 436.5 (200 + 198 + 198)
★6 Sound Pressure Level (Reference Data)		dB (A)	59
★6 Sound Power Level (Reference Data)		dB	76
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	5~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 17.4 + 17.4 (9.6 + 7.9 + 7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp. :80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp. :86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.

★2 Indoor temp. :68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp. :68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.

★3 In the case of heat pump system, the suction gas pipe is not used.

★4 In the case of heat recovery system.

★5 In the case of heat pump system.

★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
- Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):3412 Btu/h (1.0 kW) + 2730 Btu/h (0.8 kW)x2
- There are some cases where capacity decreases depending on operating states.

RWEQ336TBYCU

Model (Combination unit)		RWEQ336TBYCU	
Model (Independent unit)		RWEQ120TBYCU + RWEQ120TBYCU + RWEQ96TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h (kW)	336000 (98.5)
	Rated		320000 (93.8)
★2 Heating capacity	Nominal	Btu/h (kW)	378000 (110.8)
	Rated		320000 (93.8)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	698 + 698 + 698 (19.8 + 19.8 + 19.8)
	Number of revolutions	r/min	5832 + 5832 + 5832
	Motor output	kW	6.1 + 6.1 + 6.1
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ 3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ 1-3/8 (34.9) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 φ 1-1/8 (28.6) C1220T, ★5 φ 1-3/8 (34.9) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	440.9 + 440.9 + 436.5 (200 + 200 + 198)
★6 Sound Pressure Level (Reference Data)		dB (A)	59.5
★6 Sound Power Level (Reference Data)		dB	77
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	4~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 + 17.4 (9.6 + 9.6 + 7.9)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp. :80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp. :86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.

★2 Indoor temp. :68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp. :68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.

★3 In the case of heat pump system, the suction gas pipe is not used.

★4 In the case of heat recovery system.

★5 In the case of heat pump system.

★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
- Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):3412 Btu/h (1.0 kW)x2 + 2730 Btu/h (0.8 kW)
- There are some cases where capacity decreases depending on operating states.

RWEQ360TBYCU

Model (Combination unit)		RWEQ360TBYCU	
Model (Independent unit)		RWEQ120TBYCU + RWEQ120TBYCU + RWEQ120TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h (kW)	358000 (104.9)
	Rated		342000 (100.2)
★2 Heating capacity	Nominal	Btu/h (kW)	405000 (118.7)
	Rated		342000 (100.2)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	759 + 759 + 759 (21.5 + 21.5 + 21.5)
	Number of revolutions	r/min	6336 + 6336 + 6336
	Motor output	kW	6.6 + 6.6 + 6.6
Starting method		Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ 3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ 1-5/8 (41.3) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 φ 1-3/8 (34.9) C1220T, ★5 φ 1-5/8 (41.3) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	440.9 + 440.9 + 440.9 (200 + 200 + 200)
★6 Sound Pressure Level (Reference Data)		dB (A)	60
★6 Sound Power Level (Reference Data)		dB	77
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	4~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 + 21.2 (9.6 + 9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp. :80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp. :86°F (30°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.

★2 Indoor temp. :68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp. :68°F (20°C)
Equivalent piping length:50ft (15.5m) for ducted indoor units, 100ft (30.5m) for non-ducted indoor units,
Level difference:0ft.

★3 In the case of heat pump system, the suction gas pipe is not used.

★4 In the case of heat recovery system.

★5 In the case of heat pump system.

★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
- Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):3412 Btu/h (1.0 kW)x3
- There are some cases where capacity decreases depending on operating states.

RWEQ384TBYCU

Model (Combination unit)		RWEQ384TBYCU	
Model (Independent unit)		RWEQ144TBYCU + RWEQ120TBYCU + RWEQ120TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h (kW)	384000 (112.5)
	Rated		366000 (107.3)
★2 Heating capacity	Nominal	Btu/h (kW)	432000 (126.6)
	Rated		366000 (107.3)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	848 + 848 + 848 (24.0 + 24.0 + 24.0)
	Number of revolutions	r/min	7080 + 7080 + 7080
	Motor output	kW	7.4 + 7.4 + 7.4
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ 3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	φ 1-5/8 (41.3) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 φ 1-3/8 (34.9) C1220T, ★5 φ 1-5/8 (41.3) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	440.9 + 440.9 +440.9 (200 + 200 + 200)
★6 Sound Pressure Level (Reference Data)		dB (A)	62
★6 Sound Power Level (Reference Data)		dB	78
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	4~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 + 21.2 (9.6 + 9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp. :80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp. :86°F (30°C)
Equivalent piping length:75ft (23m) for ducted indoor units, 150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.

★2 Indoor temp. :68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp. :68°F (20°C)
Equivalent piping length:75ft (23m) for ducted indoor units, 150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.

★3 In the case of heat pump system, the suction gas pipe is not used.

★4 In the case of heat recovery system.

★5 In the case of heat pump system.

★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
- Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):4436 Btu/h (1.3 kW) + 3412 Btu/h (1.0 kW)x2
- There are some cases where capacity decreases depending on operating states.

RWEQ408TBYCU

Model (Combination unit)		RWEQ408TBYCU	
Model (Independent unit)		RWEQ144TBYCU + RWEQ144TBYCU + RWEQ120TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h	406000 (119.0)
	Rated	(kW)	388000 (113.7)
★2 Heating capacity	Nominal	Btu/h	459000 (134.5)
	Rated	(kW)	388000 (113.7)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	934 + 934 + 934 (26.5 + 26.5 + 26.5)
	Number of revolutions	r/min	7806 + 7806 + 7806
	Motor output	kW	8.1 + 8.1 + 8.1
Starting method		Soft start	
Connecting pipes	Liquid pipe	in. (mm)	ϕ 3/4 (19.1) C1220T (Brazing connection) -Main line-
	Suction gas pipe	in. (mm)	ϕ 1-5/8 (41.3) C1220T (Brazing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 ϕ 1-3/8 (34.9) C1220T, ★5 ϕ 1-5/8 (41.3) C1220T (Brazing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
Drain outlet		in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	440.9 + 440.9 +440.9 (200 + 200 + 200)
★6 Sound Pressure Level (Reference Data)		dB (A)	64
★6 Sound Power Level (Reference Data)		dB	79
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	4~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 + 21.2 (9.6 + 9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp. :80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp. :86°F (30°C)
Equivalent piping length:75ft (23m) for ducted indoor units, 150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.

★2 Indoor temp. :68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp. :68°F (20°C)
Equivalent piping length:75ft (23m) for ducted indoor units, 150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.

★3 In the case of heat pump system, the suction gas pipe is not used.

★4 In the case of heat recovery system.

★5 In the case of heat pump system.

★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
- Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH.
Heat release from the unit (approx.):4436 Btu/h (1.3 kW)x2 + 3412 Btu/h (1.0 kW)
- There are some cases where capacity decreases depending on operating states.

RWEQ432TBYCU

Model (Combination unit)		RWEQ432TBYCU	
Model (Independent unit)		RWEQ144TBYCU + RWEQ144TBYCU + RWEQ144TBYCU	
Power Supply		3 phase, 60Hz, 575V	
★1 Cooling capacity	Nominal	Btu/h	422000 (123.7)
	Rated	(kW)	402000 (117.8)
★2 Heating capacity	Nominal	Btu/h	486000 (142.4)
	Rated	(kW)	402000 (117.8)
Casing color		Ivory white (5Y7.5/1)	
Dimensions:(H x W x D)		in.(mm)	(38-9/16 x 30-1/8 x 22-1/16)x3 ((980 x 765 x 560)x3)
Heat exchanger		Stainless steel plate type	
Compressor	Type	Hermetically sealed scroll type	
	Displacement	ft ³ /h (m ³ /h)	1002 + 1002 + 1002 (28.4 + 28.4 + 28.4)
	Number of revolutions	r/min	8370 + 8370 + 8370
	Motor output	kW	8.8 + 8.8 + 8.8
	Starting method	Soft start	
Connecting pipes	Liquid pipe	in. (mm)	φ 3/4 (19.1) C1220T (Brazeing connection) -Main line-
	Suction gas pipe	in. (mm)	φ 1-5/8 (41.3) C1220T (Brazeing connection)★3 -Main line-
	High/low pressure gas pipe	in. (mm)	★4 φ 1-3/8 (34.9) C1220T, ★5 φ 1-5/8 (41.3) C1220T (Brazeing connection) -Main line-
	Water inlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Water outlet	in.	ISO 228-1 - G1 1/4B (external thread)
	Drain outlet	in. (mm)	For ID 3/8 (10)
Weight		lbs (kg)	440.9 + 440.9 +440.9 (200 + 200 + 200)
★6 Sound Pressure Level (Reference Data)		dB (A)	65
★6 Sound Power Level (Reference Data)		dB	80
Safety devices		High pressure switch, Inverter overload protector, Fusible plug, Leak detecting device, Overcurrent fuse	
Capacity control		%	4~100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	21.2 + 21.2 + 21.2 (9.6 + 9.6 + 9.6)
	Control		Electronic expansion valve
Standard accessories		Installation manual, Operation manual, Connection pipes, Clamps, Conduit mounting plates, Drain hose Strainer (water line) (50mesh , ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female) Pipe adaptor (water line) (ISO 228-1 - G1 1/4B → ANSI-ASME B1.20.1 • 1 1/4-11.5 NPT female)	

Notes

- ★1 Indoor temp. :80.6°FDB (27°CDB), 66.2°FWB (19°CWB) / Entering water temp. :86°F (30°C)
Equivalent piping length:75ft (23m) for ducted indoor units, 150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★2 Indoor temp. :68°FDB (20°CDB), 59°FWB (15°CWB) / Entering water temp. :68°F (20°C)
Equivalent piping length:75ft (23m) for ducted indoor units, 150ft (45.7m) for non-ducted indoor units,
Level difference:0ft.
 - ★3 In the case of heat pump system, the suction gas pipe is not used.
 - ★4 In the case of heat recovery system.
 - ★5 In the case of heat pump system.
 - ★6 Anechoic chamber conversion value. During actual operation, these values may be higher as a result of ambient conditions.
- This unit cannot be installed outdoors. Install indoors (Machine room, etc.).
 - Hold ambient condition at 35~104°FDB (2~40°CDB), ~80%RH. Heat release from the unit (approx.):4436 Btu/h (1.3 kW)x3
 - There are some cases where capacity decreases depending on operating states.

2. Dimensions

RWEQ72 - 144TBYCU · RWEQ72 - 144TBTJA / TBYDA

Unit: in. (mm)

3-7/16 (88) Note)3.
3-9/16 (90) Note)3.
3-9/16 (90) Note)3.
1-1/8 (28) Note)3.
2-1/2 (64) Note)3.
5-1/4 (133) Note)3.
3-9/16 (90) Note)3.

20-5/16 (516)
23-5/8 (600)
22-1/16 (560)

Drain hose (accessory)
(Flex PVC tube ID 3/8 (10), OD 9/16 (14))
Details of the drain outlet

Notes) 1. The ground terminal is located in the control box.
2. Piping sizes are as follows.

Model name	RWEQ721*	RWEQ96T*	RWEQ120T*	RWEQ144T*
Operation system	Heat recovery pump	Heat recovery pump	Heat recovery pump	Heat recovery pump
Liquid pipe	φ3/8	φ3/8	φ1/2	φ1/2
Suction gas pipe	φ3/4	φ7/8	φ1-1/8	φ1-1/8
High/low pressure gas pipe	φ3/4	φ5/8	φ3/4	φ1-1/8

※connection method liquid pipe
Suction gas pipe
High/low pressure gas pipe } : brazing connection

※In the case of the heat pump system, the suction gas pipe is not used.

3. In the case of top connection.
4. In the case of front connection.

Rear view

Right side view

Front view

ITEM	PART NAME	REMARK
9	Transmission wiring through hole	φ1-5/16 (33)
8	Power supply wiring through hole	φ1-5/16 (33)
7	Ground terminal	M8
6	Drain outlet	For ID 3/8 (10)
5	water outlet	ISO 228-1 - G1 1/4B (external thread)
4	water inlet	ISO 228-1 - G1 1/4B (external thread)
3	High/low pressure gas pipe	See note)2.
2	Suction gas pipe	See note)2.
1	Liquid pipe	See note)2.

RWEQ168 - 288TBYCU · RWEQ168 - 288TBTJA / TBYDA

Unit: in. (mm)

Details of the drain outlet

Notes) 1. The ground terminal is located in the control box.
2. Piping sizes are as follows.

Model name	RWEQ721*	RWEQ961*	RWEQ1201*	RWEQ1441*
Operation system	Heat recovery pump	Heat recovery pump	Heat recovery pump	Heat recovery pump
Liquid pipe	φ3/8	φ3/8	φ1/2	φ1/2
Suction gas pipe	φ3/4	φ7/8	φ1-1/8	φ1-1/8
High/Low pressure gas pipe	φ3/4	φ5/8	φ3/4	φ3/4

※connection method
 liquid pipe : brazing connection
 Suction gas pipe : brazing connection
 High/Low pressure gas pipe : brazing connection

※In the case of the heat pump system, the suction gas pipe is not used.

3. When removing the side panel, open a space of 3-7/8inch(100mm) or more.
 4. In the case of top connection.
 5. In the case of front connection.

Bottom view

Rear view

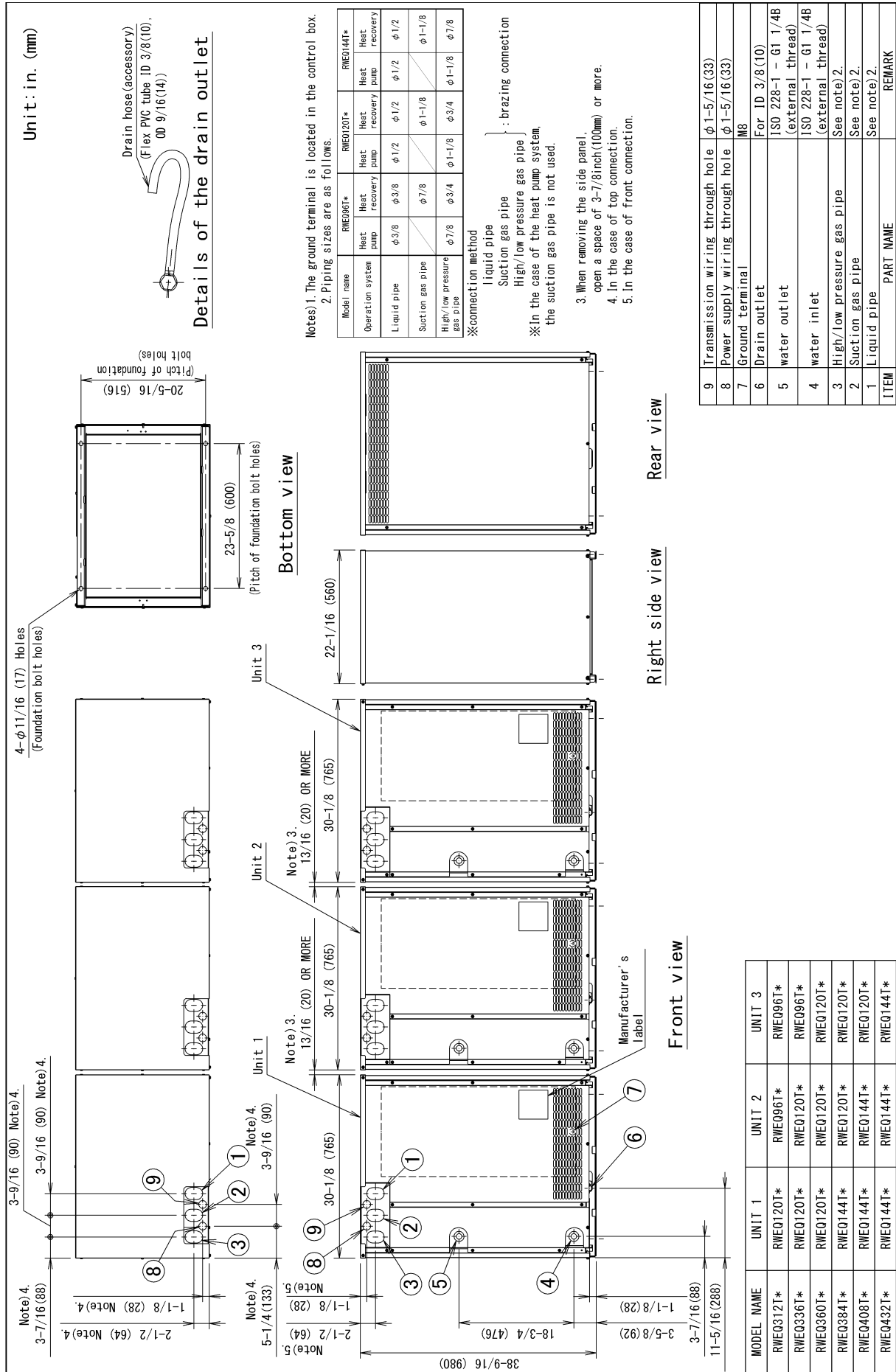
Right side view

Front view

MODEL NAME	UNIT 1	UNIT 2
RWEQ168T*	RWEQ721*	RWEQ961*
RWEQ192T*	RWEQ961*	RWEQ961*
RWEQ216T*	RWEQ120T*	RWEQ961*
RWEQ240T*	RWEQ120T*	RWEQ120T*
RWEQ264T*	RWEQ144T*	RWEQ120T*
RWEQ288T*	RWEQ144T*	RWEQ144T*

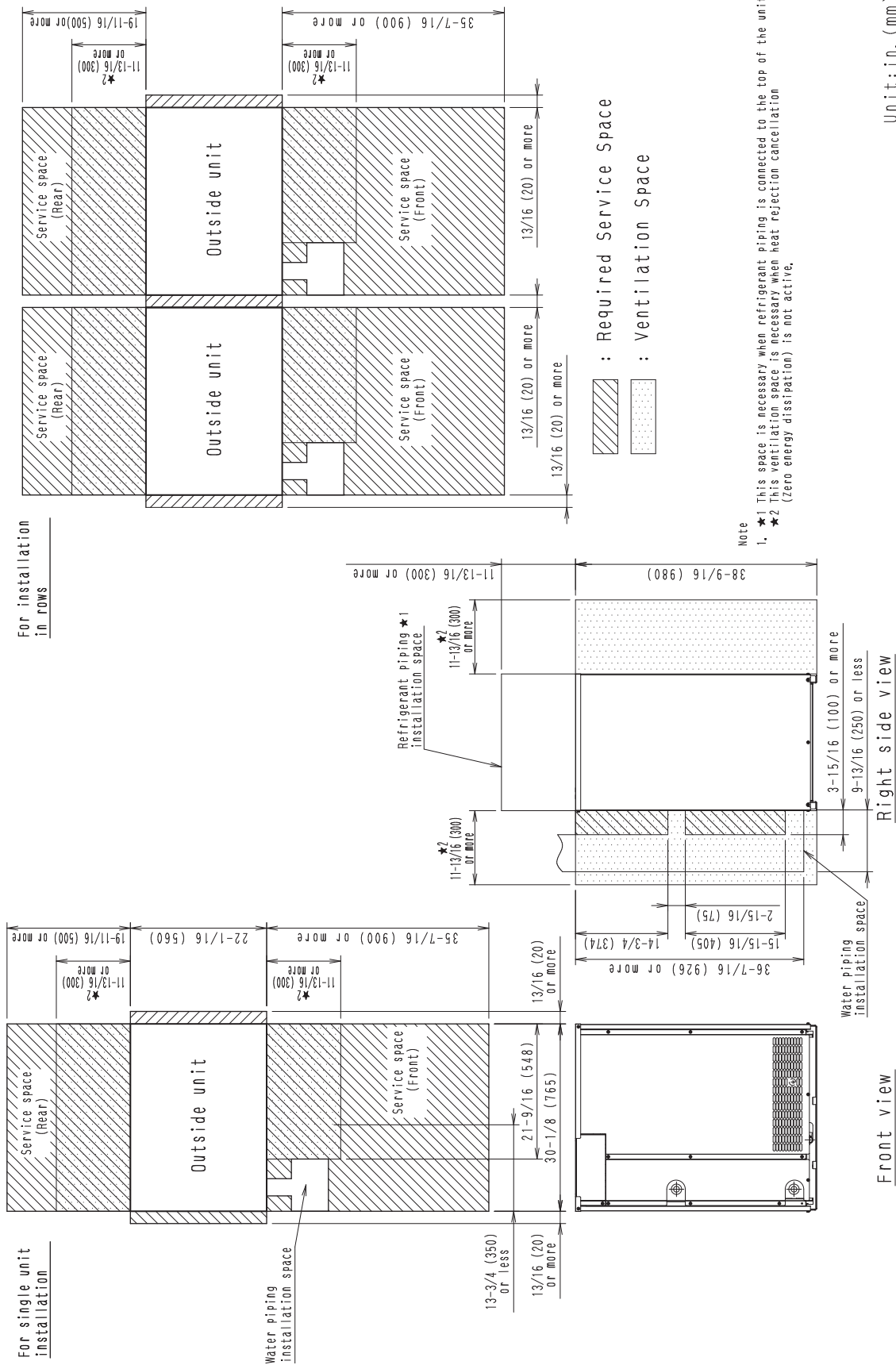
ITEM	PART NAME	REMARK
9	Transmission wiring through hole	φ1-5/16(33)
8	Power supply wiring through hole	φ1-5/16(33)
7	Ground terminal	M8
6	Drain outlet	For ID 3/8(10)
5	water outlet	ISO 228-1 - G1 1/4B (external thread)
4	water inlet	ISO 228-1 - G1 1/4B (external thread)
3	High/Low pressure gas pipe	See note)2.
2	Suction gas pipe	See note)2.
1	Liquid pipe	See note)2.

RWEQ312 - 432TBYCU · RWEQ312 - 432TBTJA / TBYDA



3. Service Space

RWEQ72 - 432TBYCU · RWEQ72 - 432TBTJA / TBYDA



Note
 1. ★1 This space is necessary when refrigerant piping is connected to the top of the unit.
 2. ★2 This ventilation space is necessary when heat rejection cancellation (zero energy dissipation) is not active.

Unit: in. (mm)

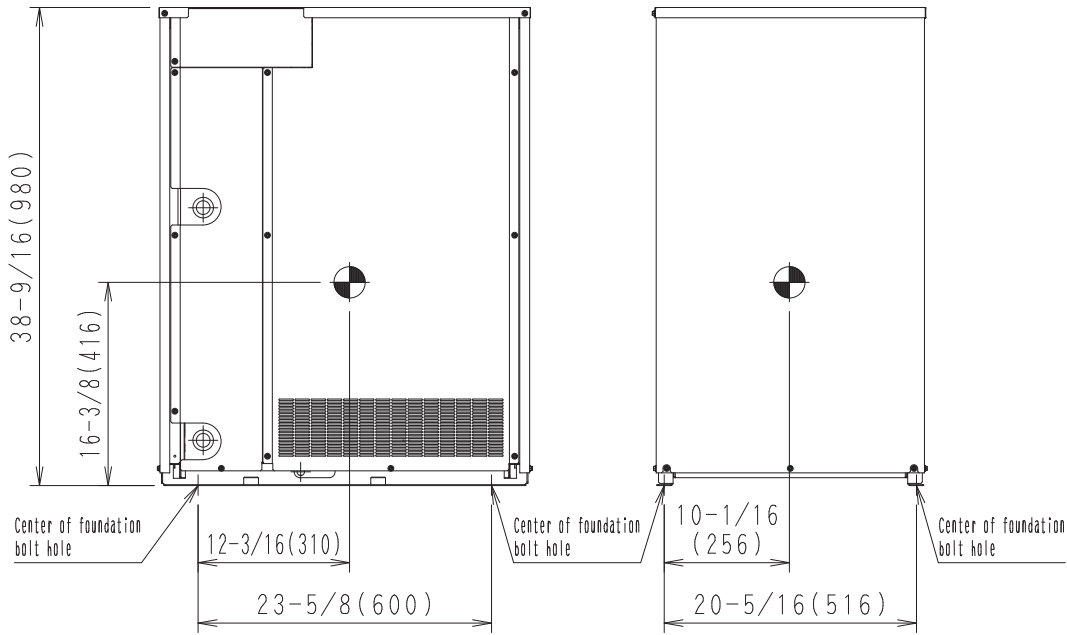
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4. Center of Gravity

RWEQ72 - 144TBTJA

Unit. in. (mm)



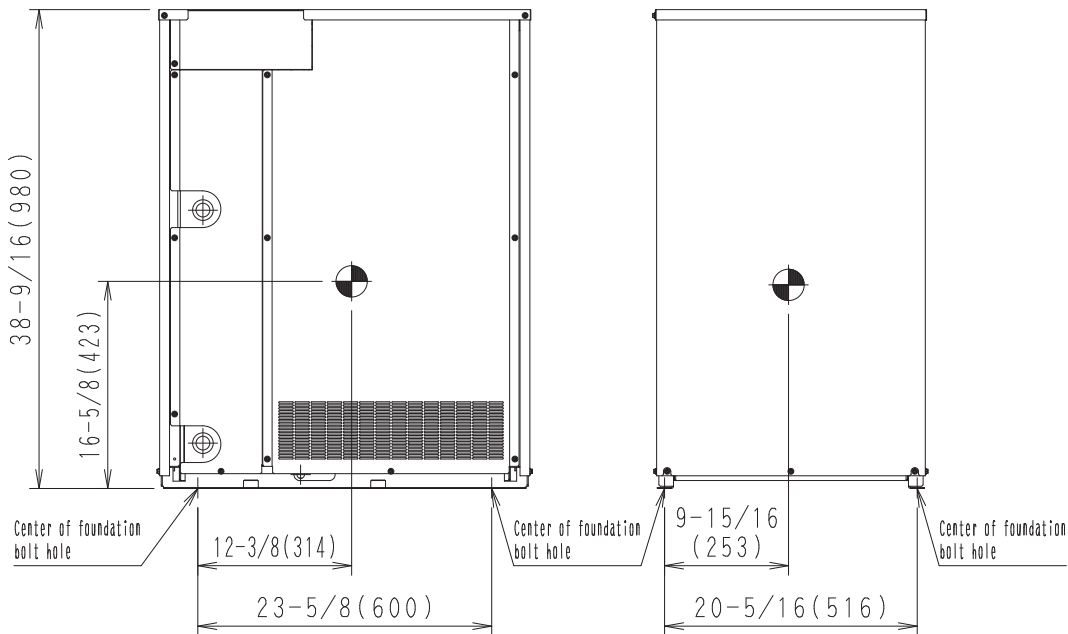
Front view

Right Side view

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RWEQ72 - 144TBYCU · RWEQ72 - 144TBYDA

Unit. in. (mm)



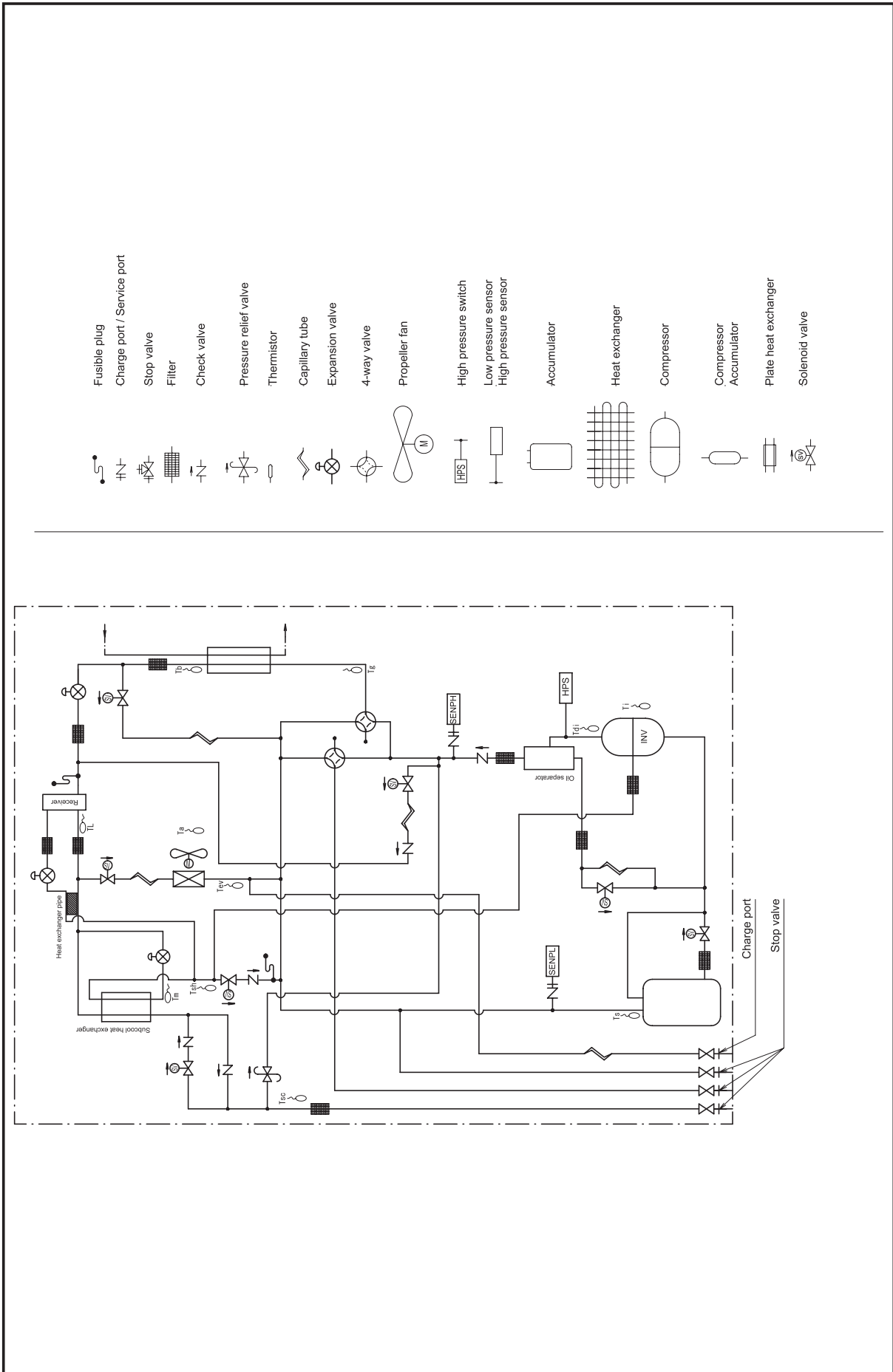
Front view

Right Side view

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5. Piping Diagrams

RWEQ72 - 144TBYCU · RWEQ72 - 144TBTJA / TBYDA



6. Wiring Diagrams

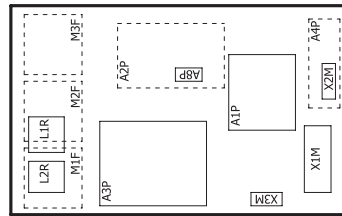
RWEQ72 - 144TBTJA

NOTES TO go through before starting the unit

- Symbols :
- X1M : Main terminal
 - 15 : Earth wiring
 - 15 : Wire number 15
 - Field wire
 - Field cable
 - **/12.2 : Connection ** continues on page 12 column 2
 - ① : Several wiring possibilities
 - Option
 - Wiring depending on model
 - Not mounted in switch box
 - PCB

1. Refer to the installation or service manual on how to use BS1 ~ BS3 push buttons and DS1 ~ DS2 DIP switches.
2. Do not operate the unit by short-circuiting protection device (S1PH).
3. For connection to indoor-outdoor transmission F1-F2 wiring, outdoor - outdoor transmission F1-F2, refer to "service manual".

POSITION IN SWITCH BOX



LEGEND

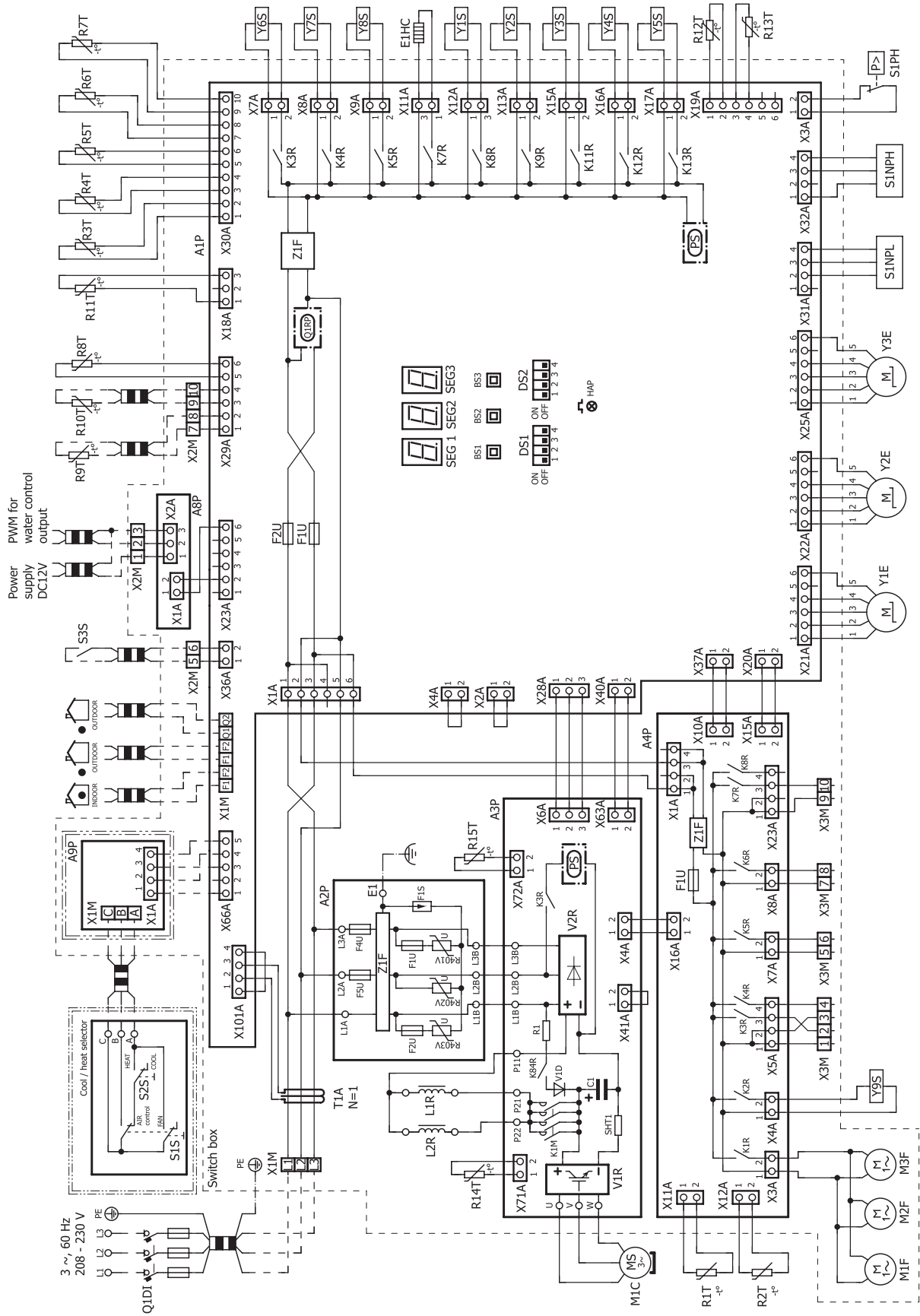
Translation can be found in the installation manual.



Part n°	Description	Part n°	Description
A1P	main PCB	R1 (A3P)	resistor
A2P	noise filter PCB	R*T	thermistor
A3P	inverter PCB	R*V (A2P)	varistor
A4P	SUB PCB	SHT1 (A3P)	shunt (current sensor)
A8P	adapter PCB	S1NPH	high pressure sensor
A9P	* cool/heat selector PCB	S1NPL	low pressure sensor
BS* (A1P)	push buttons (mode , set, return)	S1PH	high pressure switch (disch)
C1 (A3P)	capacitor	S1S	air control switch
DS* (A1P)	dipswitch	S2S	cool / heat switch
E1HC	crankcase heater	S3S	interlock switch
F1S (A1P)	surge arrester	SEG*(A1P)	7-segment display
FLU (A4P)	fuse T 3,15 A 250 V	T1A	leakage current detection sensor
F*U (A2P)	fuse T 6,3 A 250 V	V1D (A3P)	diode
F4U (A2P)	fuse T 125 A 250 V	V1R (A3P)	IGBT power module
F5U (A2P)	fuse T 125 A 250 V	V2R (A3P)	diode module
F*U (A1P)	fuse T 6,3 A 250 V	X66A	connector (remote switching cool/heat selector)
HAP (A1P)	running LED (service monitor-green)	X*A	PCB connector
K1M (A3P)	magnetic contactor	X*M	terminal strip
K*R (A*P)	magnetic relay	X*M (A*P)	terminal strip on PCB
L*R	reactor	X*Y	connector
M1C	motor (compressor)	Y*E	electronic expansion valve
M*F	motor (fan)	Y*S	solenoid valve
PS (A1P)	power supply	Z*C	noise filter (ferrit core)
Q1DI	# earth leakage circuit breaker	Z*F	noise filter
Q1RP (A1P)	phase reversal detect circuit		

* : optional # : field supply

RWEQ72 - 144TBTJA (continued)



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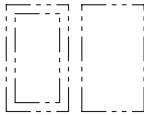
3. Specification

RWEQ72 - 144TBYDA

NOTES to go through before starting the unit

Symbols :

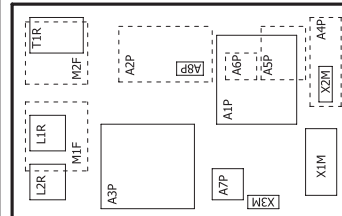
- X1M : Main terminal
- 15 : Earth wiring
- 15 : Wire number 15
- Field wire
- Field cable
- **/12.2 : Connection ** continues on page 12 column 2
- ① : Several wiring possibilities



- : Not mounted in switch box
- : PCB

1. Refer to the installation or service manual on how to use BS1 ~ BS3 push buttons and DS1 ~ DS2 DIP switches.
2. Do not operate the unit by short-circuiting protection device (S1PH).
3. For connection to indoor-outdoor transmission F1-F2 wiring, outdoor - outdoor transmission F1-F2, refer to "service manual".

POSITION IN SWITCH BOX



LEGEND

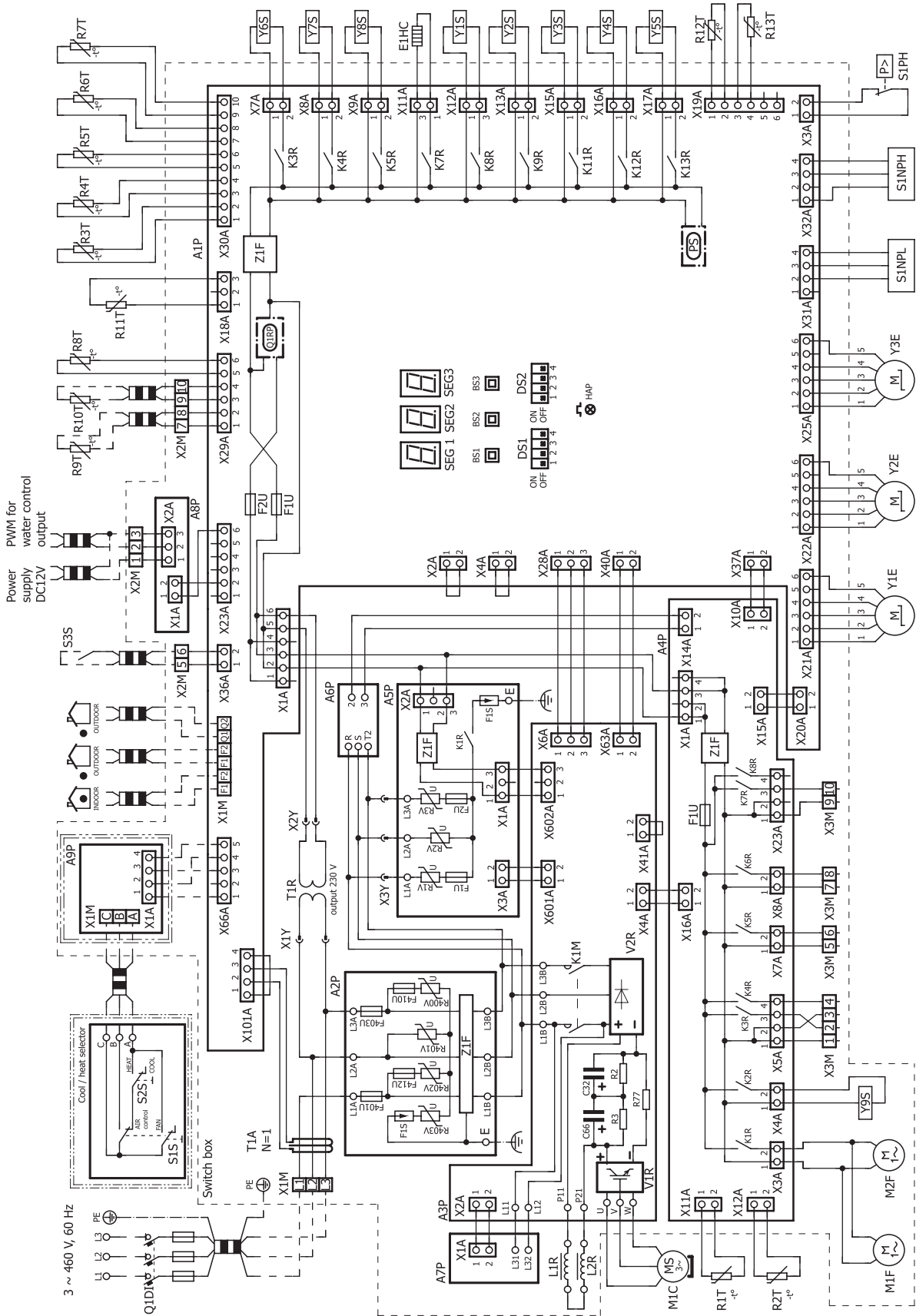


Translation can be found in the installation manual.

Part n°	Description	Part n°	Description
A1P	main PCB	PS (A1P)	power supply
A2P	noise filter PCB	Q1DI	# earth leakage circuit breaker
A3P	inverter PCB	Q1RP (A1P)	phase reversal detect circuit
A4P	SUB PCB	R*T	thermistor
A5P	filter PCB	R*V (A5P)	varistor
A6P	reverse phase protection PCB	R* (A3P)	resistor
A7P	current limiting detection PCB	S1NPH	high pressure sensor
A8P	adaptor PCB	S1NPL	low pressure sensor
A9P	* cool/heat selector PCB	S1PH	high pressure switch (disch)
BS* (A1P)	push buttons (mode , set, return)	S1S	air control switch
C* (A3P)	capacitor	S2S	cool / heat switch
DS* (A1P)	dipswitch	S3S	interlock switch
E1HC	crankcase heater	SEG1 SEG3	7-segment display
F1S (A2P/A5P)	surge arrester	T1A	leakage current detection sensor
F1U (A4P)	fuse T 3,15 A 250 V	V1R (A3P)	IGBT power module
F401U (A2P)	fuse T 63 A 600 V	V2R (A3P)	diode module
F403U (A2P)	fuse T 63 A 600 V	X66A	connector (remote switching cool/heat selector)
F410U (A2P)	fuse T 6,3 A 250 V	X*A	PCB connector
F412U (A2P)	fuse T 6,3 A 250 V	X*H	terminal strip
F*U (A1P)	fuse T 3,15 A 250 V	X*H (A*P)	terminal strip on PCB
HAP (A1P)	running LED (service monitor-green)	X*Y	connector
K1M (A3P)	magnetic contactor	Y*E	electronic expansion valve
K*R (A*P)	magnetic relay	Y*S	solenoid valve
L*R	reactor	Z*C	noise filter (ferrit core)
M1C	motor (compressor)	Z*F	noise filter
M*F	motor (fan)		

* : optional # : field supply









RWEQ72 - 144TBYDA (continued)



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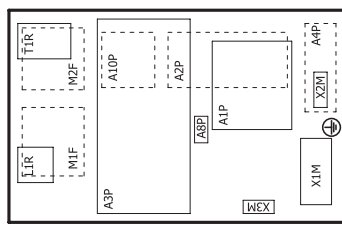
RWEQ72 - 144TBYCU

NOTES to go through before starting the unit

- X1M  : Main terminal
- 15  : Wire number 15
-  : Field wiring
-  : switch box
-  : PCB
-  : Protective ground
-  : Noiseless ground
-  : * = Connector color for component

NOTES:
 1. Refer to the installation or service manual on how to use the BS1 ~ BS3 push buttons and the DS1~DS2 switches.
 2. When operating, do not short-circuit protection device S1PH.
 3. For connection to indoor-outdoor transmission F1-F2 wiring, outdoor-outdoor transmission F1-F2, outdoor-outdoor transmission Q1-Q2, refer to "service manual".
 4. Colors: BLK:Black, RED:Red, BLU:Blue, WHT:White, GRN:Green.
 5. Class 2 wire.

POSITION IN SWITCH BOX



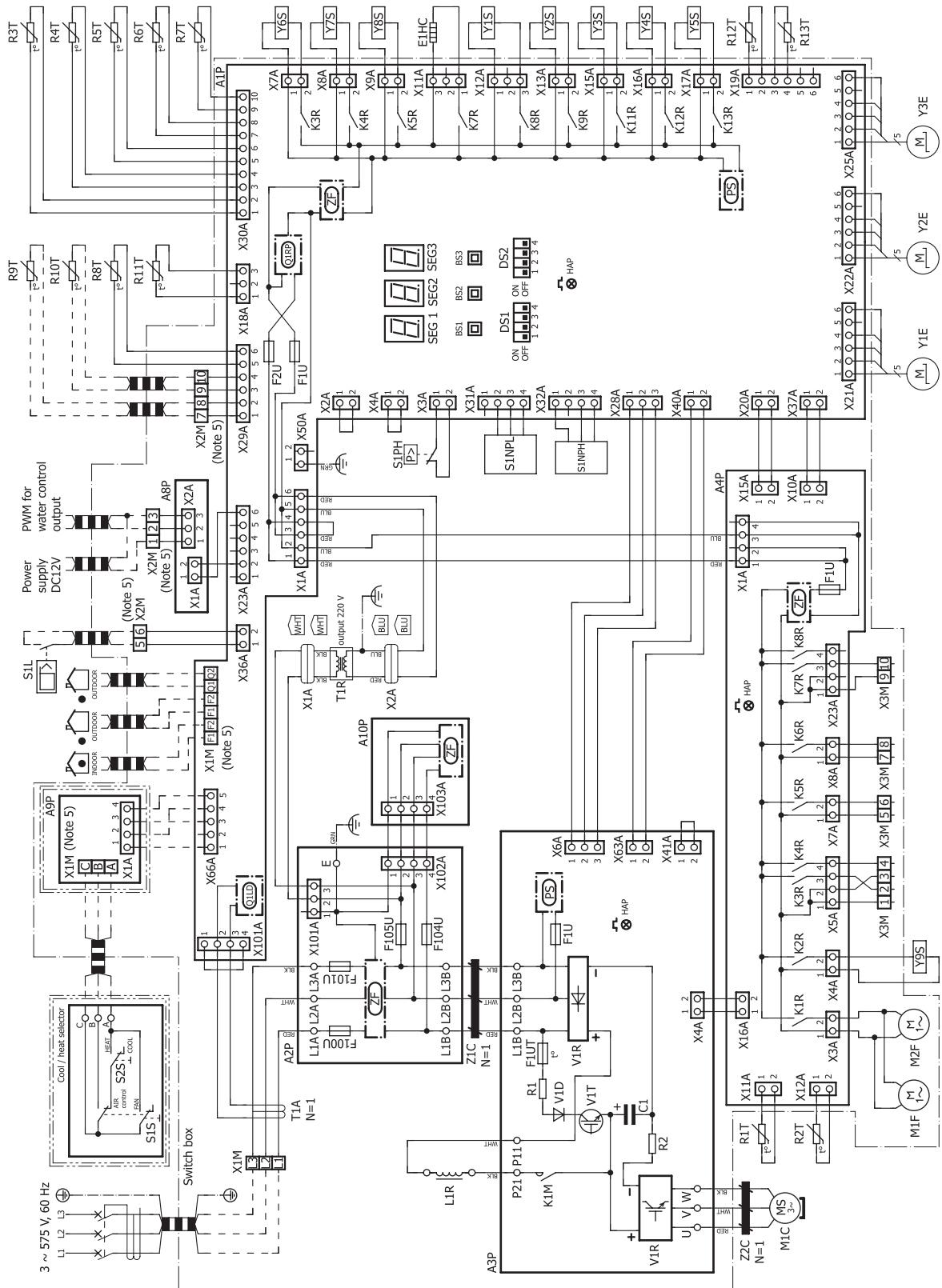
LEGEND

 Translation can be found in the installation manual.

Part n°	Description	Part n°	Description
A1P	main PCB	Q1LD (A1P)	field earth current detector
A2P	noise filter PCB (main)	Q1RP (A1P)	phase reversal detection circuit
A3P	inverter PCB	R1 (A3P)	current limiting resistor
A4P	SUB PCB	R2 (A3P)	shunt resistor
A8P	adapter PCB	R*T	thermistor
A9P	* cool/heat selector PCB	R9T,R10T	# thermistor for inlet/outlet water temp.
A10P	noise filter PCB (sub)	S1L	# flow switch
BS* (A1P)	push buttons (mode , set, return)	S1NPH	high pressure sensor
C* (A3P)	capacitor	S1NPL	low pressure sensor
DS* (A1P)	dipswitch	S1PH	high pressure switch (discharge)
E1HC	crankcase heater	S1S	* selector switch (fan/cool-heat)
F1U,F2U (A1P)	fuse	S2S	* selector switch (cool/heat)
F1U (A3P)	fuse	SEG* (A1P)	7-segment display
F1U (A4P)	fuse	T1A	leakage current detection sensor
F1UT (A3P)	thermal fuse	T1R	transformer
F100U (A2P)	fuse	V1D (A3P)	diode module
F101U (A2P)	fuse	V1R (A3P)	power integrated module
F104U (A2P)	fuse	V1T (A3P)	transistor
F105U (A2P)	fuse	X66A	connector (remote switching cool/heat selector)
HAP (A1P, A3P,A4P)	running LED (service monitor-green)	X*A	connector
K1M (A3P)	magnetic contactor	X*IM	terminal block
K*R (A*P)	magnetic relay	Y*E	electronic expansion valve
L*R	reactor	Y*S	solenoid valve
M1C	motor (compressor)	Z*C	noise filter (ferrit core)
M*F	motor (fan)	Z*F (A1P,A2P /A4P,A10P)	noise filter
PS (A1P,A3P)	power supply		

* : optional # : field supply

RWEQ72 - 144TBYCU (continued)



4D117733A

7. Field Wiring

7.1 Heat Pump

RWEQ72 - 144TBYCU · RWEQ72 - 144TBTJA / TBYDA

[Operation system: Heat pump]

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.

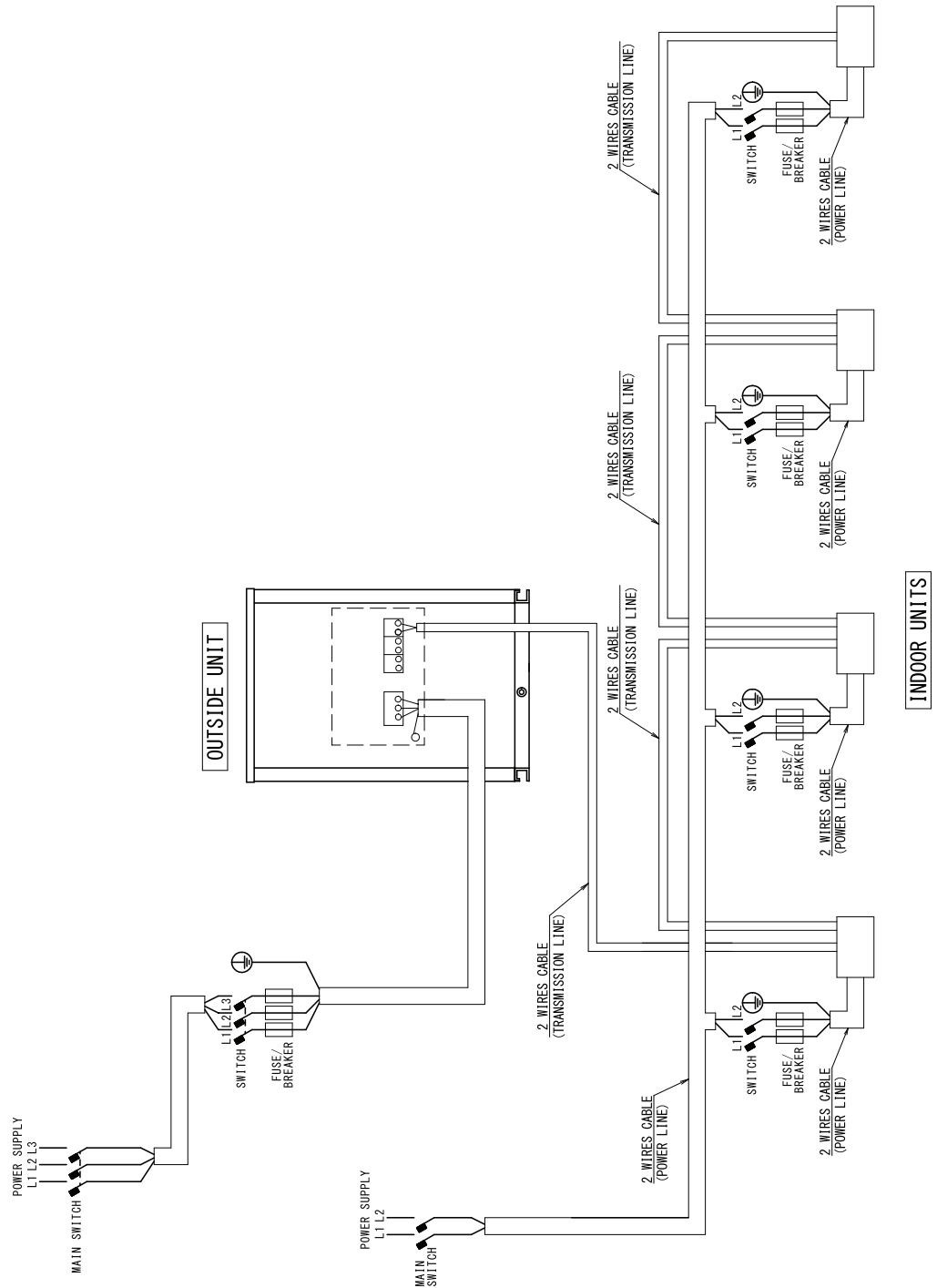
5) Unit shall be grounded in compliance with the applicable local and national codes.

6) Wiring shown is general points-of-connection guides only and is not intended for or to include all details for a specific installation.

7) Be sure to install a switch and a fuse/breaker to the power line of each piece of equipment.

8) Install a 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.



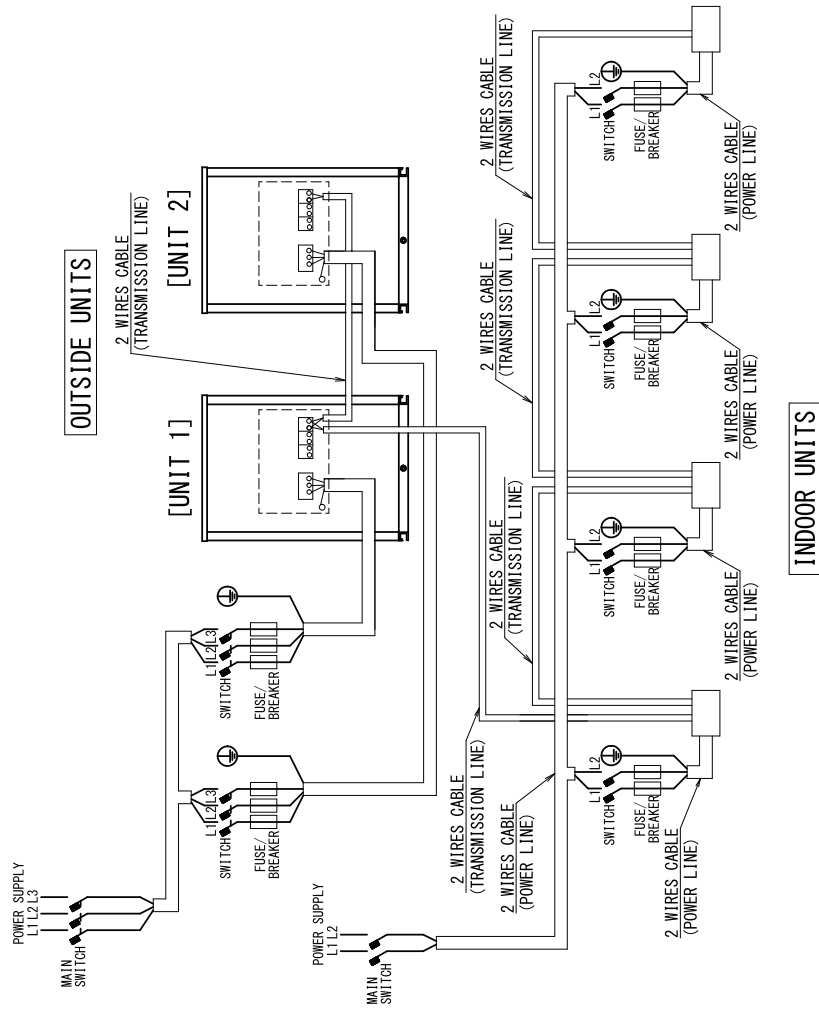
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RWEQ168 - 288TBYCU · RWEQ168 - 288TBTJA / TBYDA

[Operation system: Heat pump]

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 is general points-of-connection guides only and is not intended for or to include all details for a specific installation.
- 7) Be sure to install a switch and a fuse/breaker to the power line of each piece of equipment.
- 8) Install a 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.

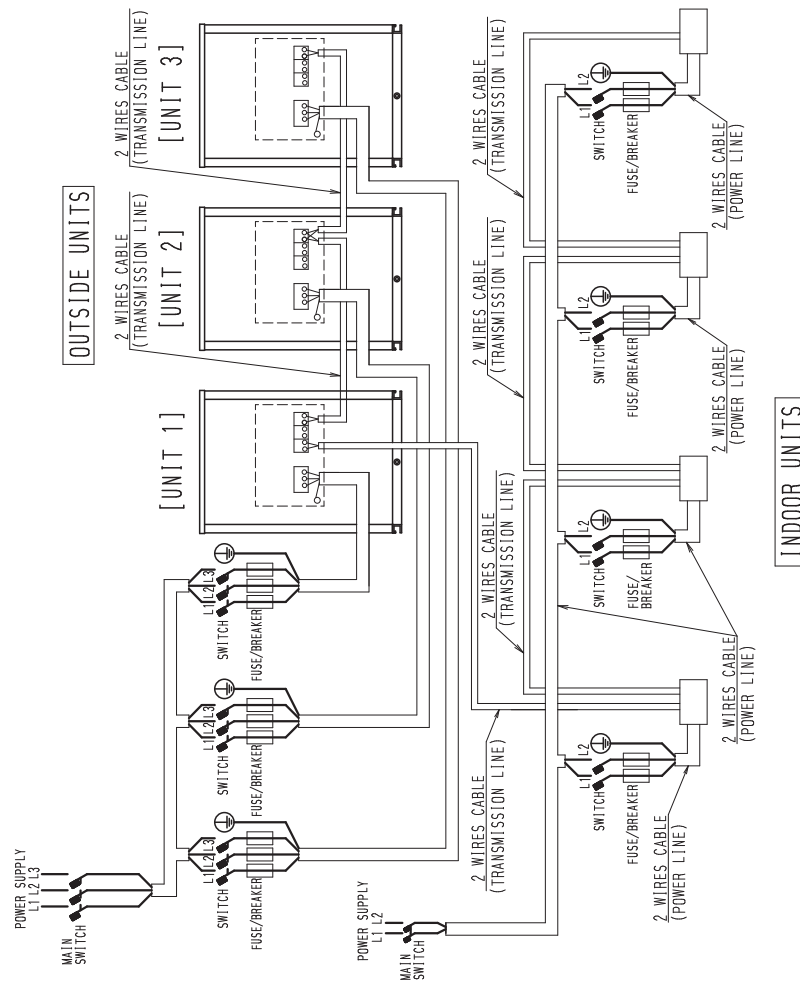


RWEQ312 - 432TBYCU · RWEQ312 - 432TBTJA / TBYDA

[Operation system: Heat pump]

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 is general points-of-connection guides only and is not intended for or to include all details for a specific installation.
- 7) Be sure to install a switch and a fuse/breaker to the power line of each piece of equipment.
- 8) Install a 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.



7.2 Heat Recovery

RWEQ72 - 144TBYCU · RWEQ72 - 144TBTJA / TBYDA

[Operation system: Heat recovery]

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.

5) Unit shall be grounded in compliance with the applicable local and national codes.

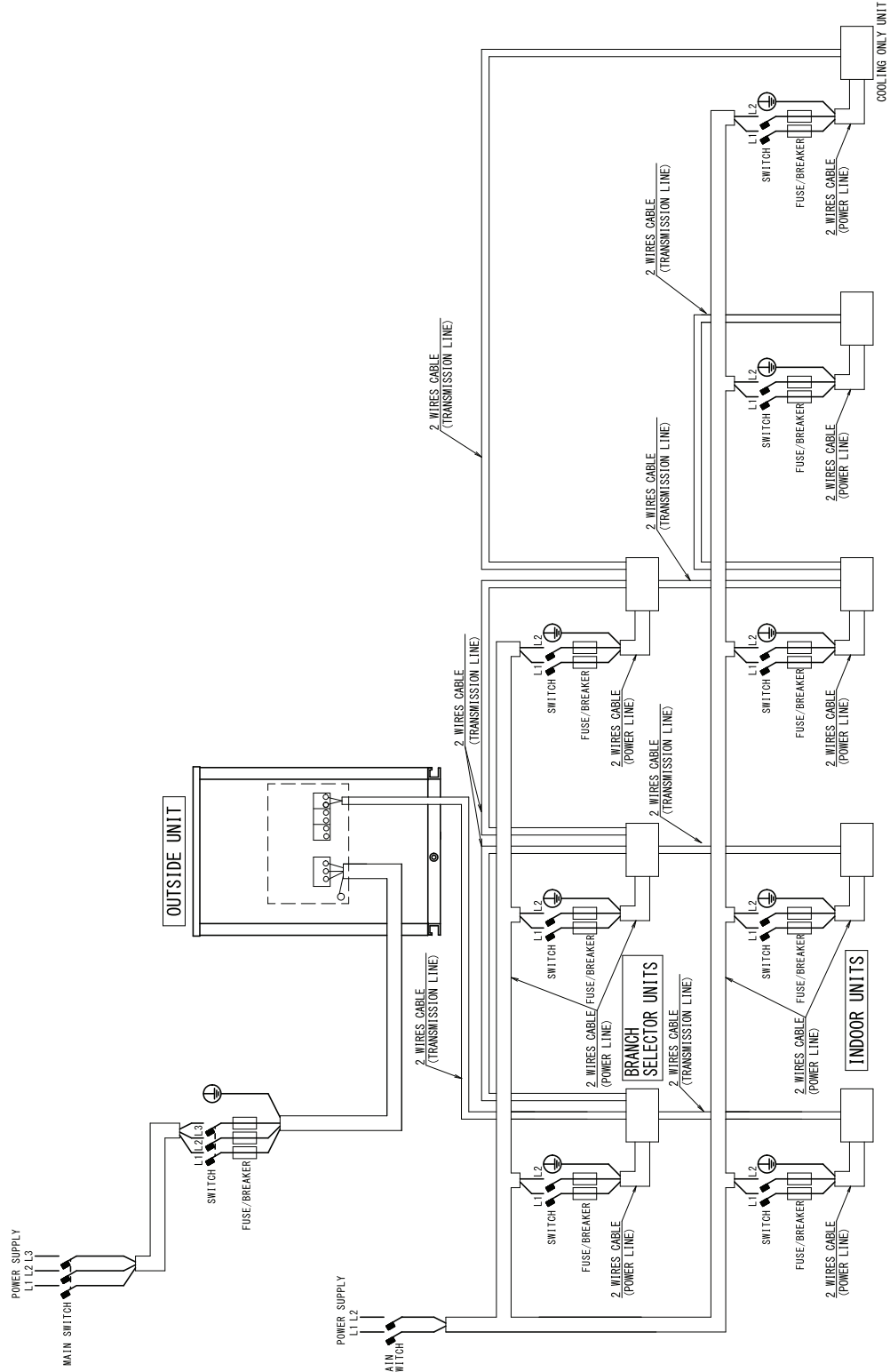
6) Wiring shown is general points-of-connection guides only and is not intended for or to include all details for a specific installation.

7) Be sure to install a switch and a fuse/breaker to the power line of each piece of equipment.

8) Install a 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.



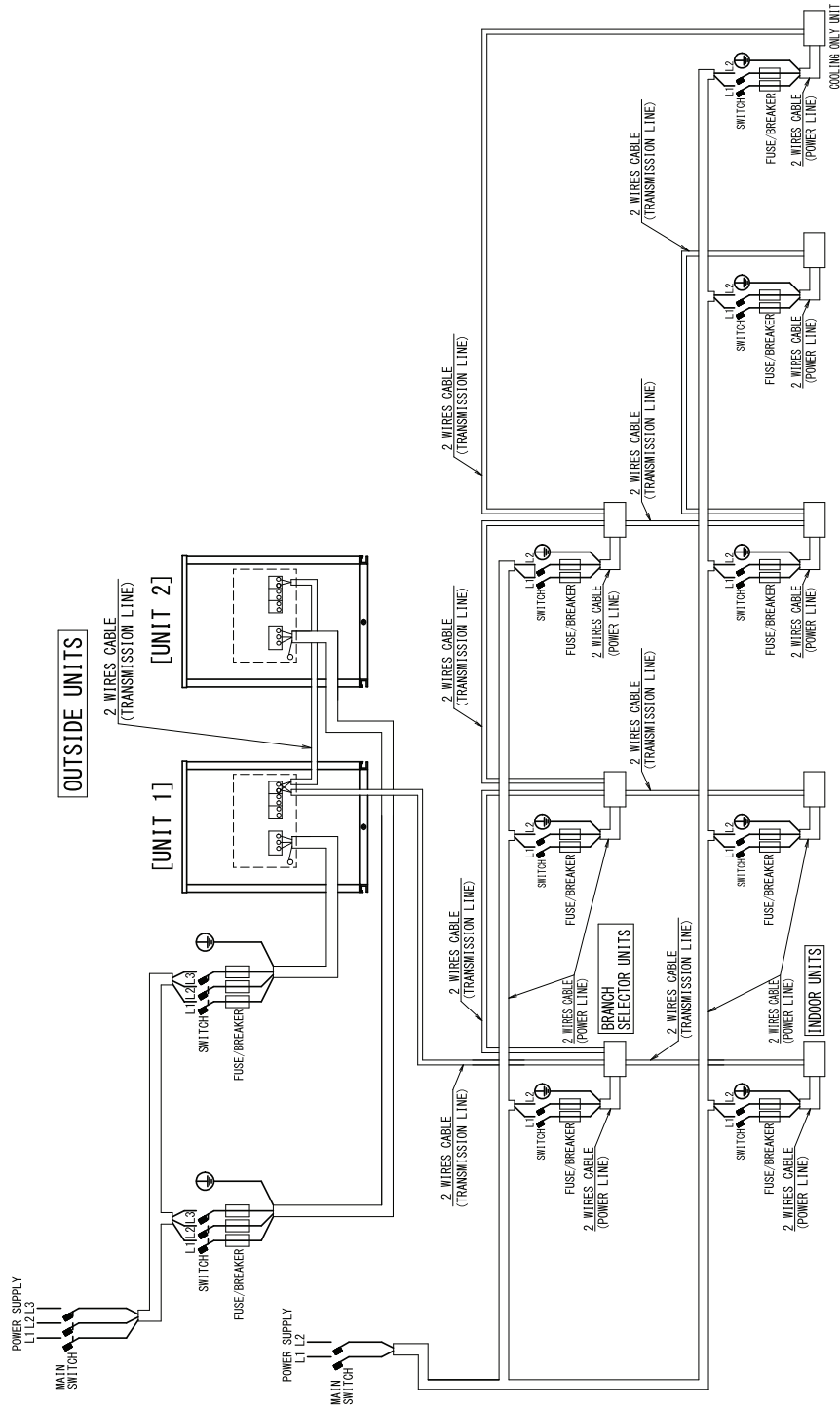
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RWEQ168 - 288TBYCU · RWEQ168 - 288TBTJA / TBYDA

[Operation system: Heat recovery]

- 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 is general points-of-connection guides only and is not intended for or to include all details for a specific installation.
 - 7) Be sure to install a switch and a fuse/breaker to the power line of each piece of equipment.
 - 8) Install a 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.



RWEQ312 - 432TBYCU · RWEQ312 - 432TBTJA / TBYDA

[Operation system: Heat recovery]

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.

5) Unit shall be grounded in compliance with the applicable local and national codes.

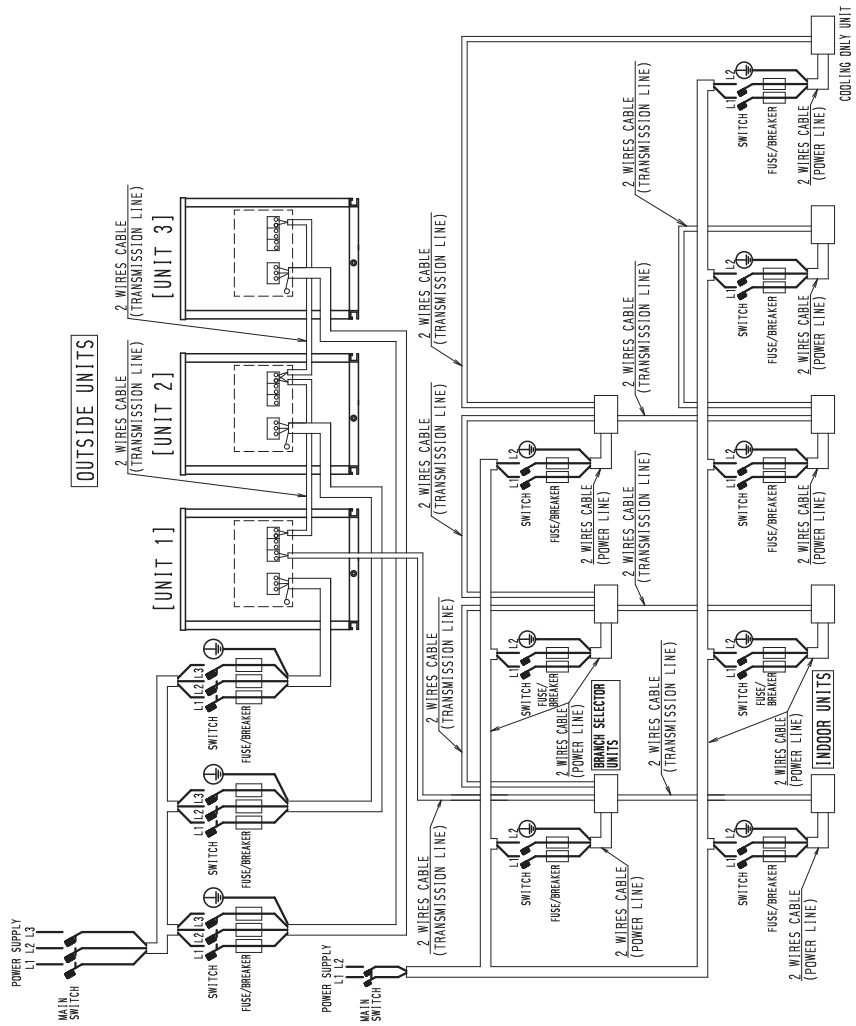
6) Wiring shown is general points-of-connection guides only and is not intended for or to include all details for a specific installation.

7) Be sure to install a switch and a fuse/breaker to the power line of each piece of equipment.

8) Install a 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.



8. Electrical Characteristics

8.1 RWEQ-TBTJA

RWEQ72 - 144TBTJA

Model Name		Units			Power supply		Compressor	SCCR
Combination Unit	Independent Unit	Hz	Volts	Voltage range	MCA	MOP	RLA	
RWEQ72TBTJA		60	208/230	Max. 253V Min. 187V	37.9	40	19.0	SCCR kA rms, Symmetrical @600V MAX: 5
RWEQ96TBTJA		60	208/230	Max. 253V Min. 187V	38.3	40	19.0	
RWEQ120TBTJA		60	208/230	Max. 253V Min. 187V	45.2	50	20.9	
RWEQ144TBTJA		60	208/230	Max. 253V Min. 187V	52.6	60	29.4	
RWEQ168TBTJA	RWEQ72TBTJA	60	208/230	Max. 253V Min. 187V	37.9+38.3	40+40	19.0+19.0	
	RWEQ96TBTJA							
RWEQ192TBTJA	RWEQ96TBTJA	60	208/230	Max. 253V Min. 187V	38.3+38.3	40+40	19.0+19.0	
	RWEQ96TBTJA							
RWEQ216TBTJA	RWEQ96TBTJA	60	208/230	Max. 253V Min. 187V	38.3+45.2	40+50	19.0+20.9	
	RWEQ120TBTJA							
RWEQ240TBTJA	RWEQ120TBTJA	60	208/230	Max. 253V Min. 187V	45.2+45.2	50+50	20.9+20.9	
	RWEQ120TBTJA							
RWEQ264TBTJA	RWEQ120TBTJA	60	208/230	Max. 253V Min. 187V	45.2+52.6	50+60	20.9+29.4	
	RWEQ144TBTJA							
RWEQ288TBTJA	RWEQ144TBTJA	60	208/230	Max. 253V Min. 187V	52.6+52.6	60+60	29.4+29.4	
	RWEQ144TBTJA							
RWEQ312TBTJA	RWEQ96TBTJA	60	208/230	Max. 253V Min. 187V	38.3+38.3+45.2	40+40+50	19.0+19.0+20.9	
	RWEQ96TBTJA							
	RWEQ120TBTJA							
RWEQ336TBTJA	RWEQ96TBTJA	60	208/230	Max. 253V Min. 187V	38.3+45.2+45.2	40+50+50	19.0+20.9+20.9	
	RWEQ120TBTJA							
	RWEQ120TBTJA							
RWEQ360TBTJA	RWEQ120TBTJA	60	208/230	Max. 253V Min. 187V	45.2+45.2+45.2	50+50+50	20.9+20.9+20.9	
	RWEQ120TBTJA							
	RWEQ120TBTJA							
RWEQ384TBTJA	RWEQ120TBTJA	60	208/230	Max. 253V Min. 187V	45.2+45.2+52.6	50+50+60	20.9+20.9+29.4	
	RWEQ120TBTJA							
	RWEQ144TBTJA							
RWEQ408TBTJA	RWEQ120TBTJA	60	208/230	Max. 253V Min. 187V	45.2+52.6+52.6	50+60+60	20.9+29.4+29.4	
	RWEQ144TBTJA							
	RWEQ144TBTJA							
RWEQ432TBTJA	RWEQ144TBTJA	60	208/230	Max. 253V Min. 187V	52.6+52.6+52.6	60+60+60	29.4+29.4+29.4	
	RWEQ144TBTJA							
	RWEQ144TBTJA							

Symbols:

- MCA :Min.Circuit Amps.(A)
- MOP :Max.Overcurrent Protective Device(A)
- RLA :Rated Load Amps.(A)
- SCCR :Short-Circuit Current Rating

Notes:

1. RLA is based on the following conditions.
Indoor temp.80.6°FDB(27°CDB)/66.2°FWB(19°CWB)
Entering water temp.86°F(30°C)
2. Voltage range
Units are designed to operate only at the rated voltage provided in the table above.
3. Maximum allowable voltage variation between phases is 2%.
4. Select wire size based on the value of MCA.
5. MOP is used to select the circuit breaker.

8.2 RWEQ-TBYDA

RWEQ72 - 144TBYDA

Model Name		Units			Power supply		Compressor	SCCR
Combination Unit	Independent Unit	Hz	Volts	Voltage range	MCA	MOP	RLA	
RWEQ72TBYDA		60	460	Max. 506V Min. 414V	17.2	20	8.6	SCCR kA rms, Symmetrical @600V MAX: 5
RWEQ96TBYDA		60	460	Max. 506V Min. 414V	17.3	20	8.6	
RWEQ120TBYDA		60	460	Max. 506V Min. 414V	20.4	25	9.4	
RWEQ144TBYDA		60	460	Max. 506V Min. 414V	23.8	25	13.3	
RWEQ168TBYDA	RWEQ72TBYDA	60	460	Max. 506V Min. 414V	17.2+17.3	20+20	8.6+8.6	
	RWEQ96TBYDA							
RWEQ192TBYDA	RWEQ96TBYDA	60	460	Max. 506V Min. 414V	17.3+17.3	20+20	8.6+8.6	
	RWEQ96TBYDA							
RWEQ216TBYDA	RWEQ96TBYDA	60	460	Max. 506V Min. 414V	17.3+20.4	20+25	8.6+9.4	
	RWEQ120TBYDA							
RWEQ240TBYDA	RWEQ120TBYDA	60	460	Max. 506V Min. 414V	20.4+20.4	25+25	9.4+9.4	
	RWEQ120TBYDA							
RWEQ264TBYDA	RWEQ120TBYDA	60	460	Max. 506V Min. 414V	20.4+23.8	25+25	9.4+13.3	
	RWEQ144TBYDA							
RWEQ288TBYDA	RWEQ144TBYDA	60	460	Max. 506V Min. 414V	23.8+23.8	25+25	13.3+13.3	
	RWEQ144TBYDA							
RWEQ312TBYDA	RWEQ96TBYDA	60	460	Max. 506V Min. 414V	17.3+17.3+20.4	20+20+25	8.6+8.6+9.4	
	RWEQ96TBYDA							
	RWEQ120TBYDA							
RWEQ336TBYDA	RWEQ96TBYDA	60	460	Max. 506V Min. 414V	17.3+20.4+20.4	20+25+25	8.6+9.4+9.4	
	RWEQ120TBYDA							
	RWEQ120TBYDA							
RWEQ360TBYDA	RWEQ120TBYDA	60	460	Max. 506V Min. 414V	20.4+20.4+20.4	25+25+25	9.4+9.4+9.4	
	RWEQ120TBYDA							
	RWEQ120TBYDA							
RWEQ384TBYDA	RWEQ120TBYDA	60	460	Max. 506V Min. 414V	20.4+20.4+23.8	25+25+25	9.4+9.4+13.3	
	RWEQ120TBYDA							
	RWEQ144TBYDA							
RWEQ408TBYDA	RWEQ120TBYDA	60	460	Max. 506V Min. 414V	20.4+23.8+23.8	25+25+25	9.4+13.3+13.3	
	RWEQ144TBYDA							
	RWEQ144TBYDA							
RWEQ432TBYDA	RWEQ144TBYDA	60	460	Max. 506V Min. 414V	23.8+23.8+23.8	25+25+25	13.3+13.3+13.3	
	RWEQ144TBYDA							
	RWEQ144TBYDA							

Symbols:

- MCA :Min.Circuit Amps.(A)
- MOP :Max.Overcurrent Protective Device(A)
- RLA :Rated Load Amps.(A)
- SCCR :Short-Circuit Current Rating

Notes:

1. RLA is based on the following conditions.
Indoor temp.80.6°FDB(27°CDB)/66.2°FWB(19°CWB)
Entering water temp.86°F (30°C)
2. Voltage range
Units are designed to operate only at the rated voltage provided in the table above.
3. Maximum allowable voltage variation between phases is 2%.
4. Select wire size based on the value of MCA.
5. MOP is used to select the circuit breaker.

8.3 RWEQ-TBYCU RWEQ72 - 144TBYCU

Model Name		Units			Power supply		Comp.	SCCR
Combination Unit	Independent Unit	Hz	Volts	Voltage range	MCA	MOP	RLA	
RWEQ72TBYCU		60	575	Max 632	13.8	15	6.9	SCCR kA rms, Symmetrical @600V MAX : 5
				Min. 518				
RWEQ96TBYCU		60	575	Max 632	13.9	15	6.9	
				Min. 518				
RWEQ120TBYCU		60	575	Max 632	16.3	20	7.5	
				Min. 518				
RWEQ144TBYCU		60	575	Max 632	19.9	25	10.6	
				Min. 518				
RWEQ168TBYCU	RWEQ72TBYCU	60	575	Max 632	13.8+13.9	15+15	6.9+6.9	
	RWEQ96TBYCU			Min. 518				
RWEQ192TBYCU	RWEQ96TBYCU	60	575	Max 632	13.9+13.9	15+15	6.9+6.9	
	RWEQ96TBYCU			Min. 518				
RWEQ216TBYCU	RWEQ96TBYCU	60	575	Max 632	13.9+16.3	15+20	6.9+7.5	
	RWEQ120TBYCU			Min. 518				
RWEQ240TBYCU	RWEQ120TBYCU	60	575	Max 632	16.3+16.3	20+20	7.5+7.5	
	RWEQ120TBYCU			Min. 518				
RWEQ264TBYCU	RWEQ120TBYCU	60	575	Max 632	16.3+19.9	20+25	7.5+10.6	
	RWEQ144TBYCU			Min. 518				
RWEQ288TBYCU	RWEQ144TBYCU	60	575	Max 632	19.9+19.9	25+25	10.6+10.6	
	RWEQ144TBYCU			Min. 518				
RWEQ312TBYCU	RWEQ96TBYCU	60	575	Max. 632	13.9+13.9+16.3	15+15+20	6.9+6.9+7.5	
	RWEQ96TBYCU			Min. 518				
	RWEQ120TBYCU							
RWEQ336TBYCU	RWEQ96TBYCU	60	575	Max. 632	13.9+16.3+16.3	15+20+20	6.9+7.5+7.5	
	RWEQ120TBYCU			Min. 518				
	RWEQ120TBYCU							
RWEQ360TBYCU	RWEQ120TBYCU	60	575	Max. 632	16.3+16.3+16.3	20+20+20	7.5+7.5+7.5	
	RWEQ120TBYCU			Min. 518				
	RWEQ120TBYCU							
RWEQ384TBYCU	RWEQ120TBYCU	60	575	Max. 632	16.3+16.3+19.9	20+20+25	7.5+7.5+10.6	
	RWEQ120TBYCU			Min. 518				
	RWEQ144TBYCU							
RWEQ408TBYCU	RWEQ120TBYCU	60	575	Max. 632	16.3+19.9+19.9	20+25+25	7.5+10.6+10.6	
	RWEQ144TBYCU			Min. 518				
	RWEQ144TBYCU							
RWEQ432TBYCU	RWEQ144TBYCU	60	575	Max. 632	19.9+19.9+19.9	25+25+25	10.6+10.6+10.6	
	RWEQ144TBYCU			Min. 518				
	RWEQ144TBYCU							

Symbols:

- MCA :Min. Circuit Amps. (A)
- MOP :Max. Overcurrent Protective Device (A)
- RLA :Rated Load Amps. (A)
- SCCR :Short-Circuit Current Rating

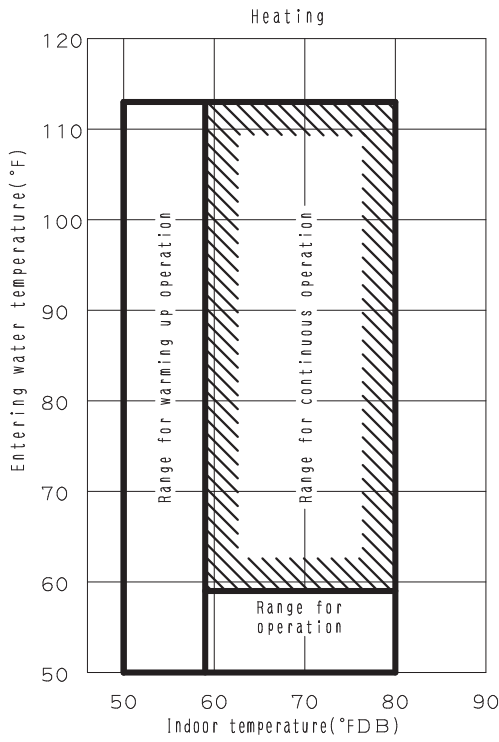
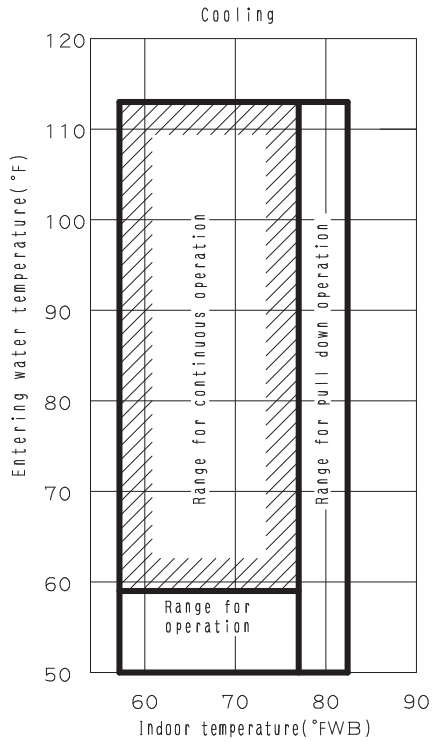
Notes:

1. RLA is based on the following conditions.
Indoor temp. 80. 6°FDB (27°CDB)/66. 2°FWB (19°CWB)
Entering water temp. 86°F (30°C)
2. Voltage range
Units are designed to operate only at the rated voltage provided in the table above.
3. Maximum allowable voltage variation between phases is 2%.
4. Select wire size based on the value of MCA.
5. MOP is used to select the circuit breaker.

9. Operation Limits

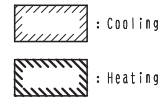
9.1 Heat Pump

RWEQ72 - 432TBYCU · RWEQ72 - 432TBTJA / TBYDA



Note)1. This figure shows the range which can be operated, when it is the water volume shown below,
 13, 2~39, 6 gpm (50~150 L/min)
 (This value shows the volume of water per outside unit)
 2. Design in the following condition range,
 water temperature 67~95°F (20~35°C)
 water volume 15, 9 gpm (60 L/min) more
 (Operation outside the range may result in capacity drop drastically by protection control.)
 3. When cooling load is small, fan operation may be carried out for freeze-up protection,
 4. Hold ambient condition at 35~104°FDB(2~40°CDB), ~80%RH,

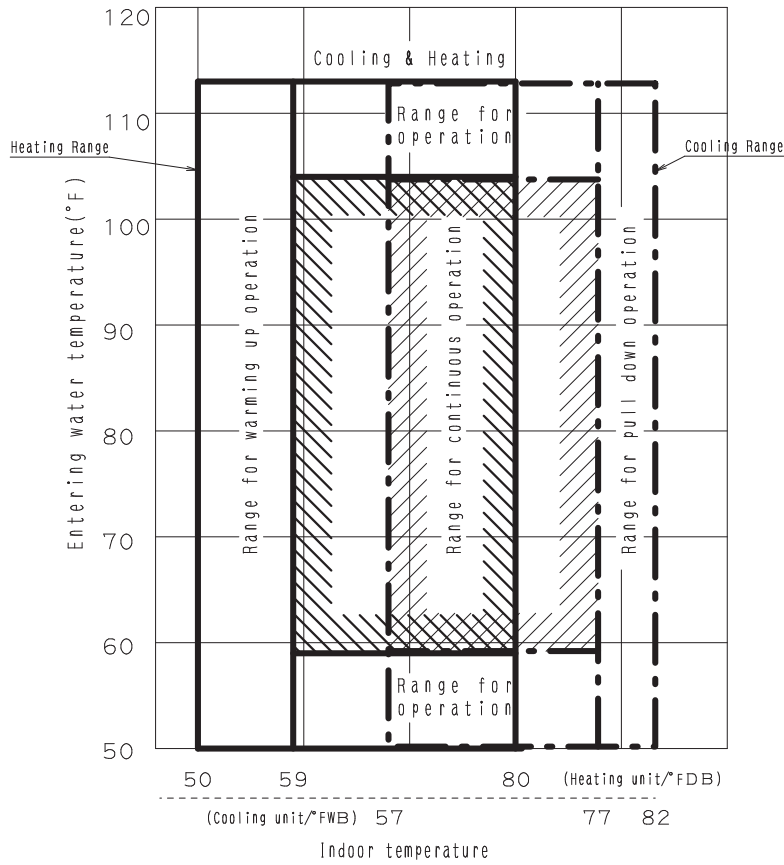
〔 Range for continuous operation 〕



3. Specification

9.2 Heat Recovery

RWEQ72 - 432TBYCU · RWEQ72 - 432TBTJA / TBYDA



- Note)1, This figure shows the range which can be operated, when it is the water volume shown below,
 13.2~39.6 gpm (50~150 L/min)
 (This value shows the volume of water per outside unit)
 2, Design in the following condition range,
 water temperature 67~95°F (20~35°C)
 water volume 15.9 gpm (60 L/min) more
 (Operation outside the range may result in capacity drop drastically by protection control.)
 3, When cooling load is small, fan operation may be carried out for freeze-up protection,
 4, Hold ambient condition at 35~104°F DB (2~40°C DB), ~80%RH.

⌈ Range for continuous operation ⌋

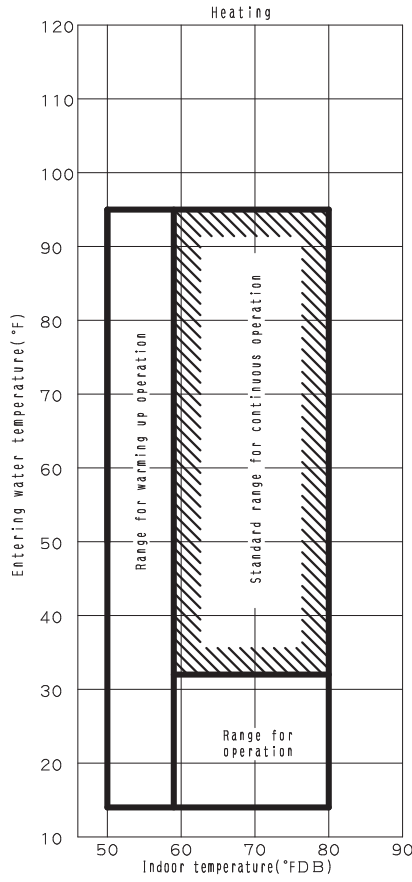
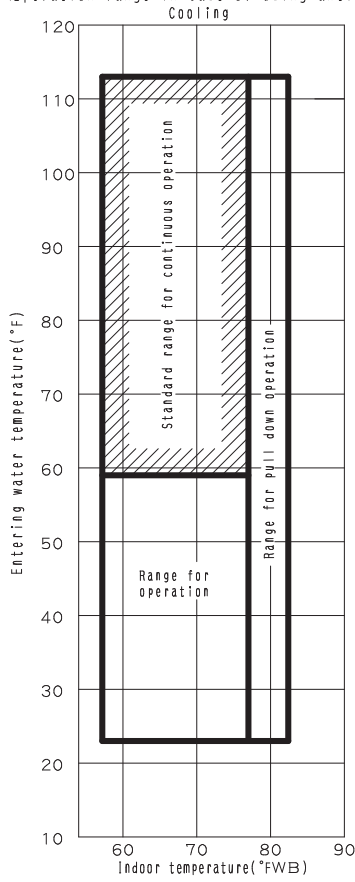
- : Cooling
- : Heating

10. Operation Limits(Antifreeze Usage)

10.1 Heat Pump

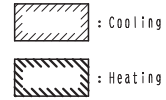
RWEQ72 - 432TBYCU · RWEQ72 - 432TBTJA / TBYDA

<Operation range in case of using antifreeze>



Note)1. The charts show the full operation range.
 Note the conditions which require antifreeze.
 The water flow rate per condenser module should be between 21, 2~39, 6 gpm (80~150 L/min).
 2. When the cooling load is small, fan operation may be carried out for freeze-up protection.
 3. Hold ambient conditions at 35~104°F DB(2~40°C DB), ~80%RH.
 4. The allowable lowest water temperature varies depending on antifreeze concentration.
 Contact your local Daikin sales representative for design assistance for all applications with an EWT below 50°F(10°C).
 5. A field setting is required in case of using antifreeze. Refer to installation manual of the outside unit.

[Range for continuous operation]

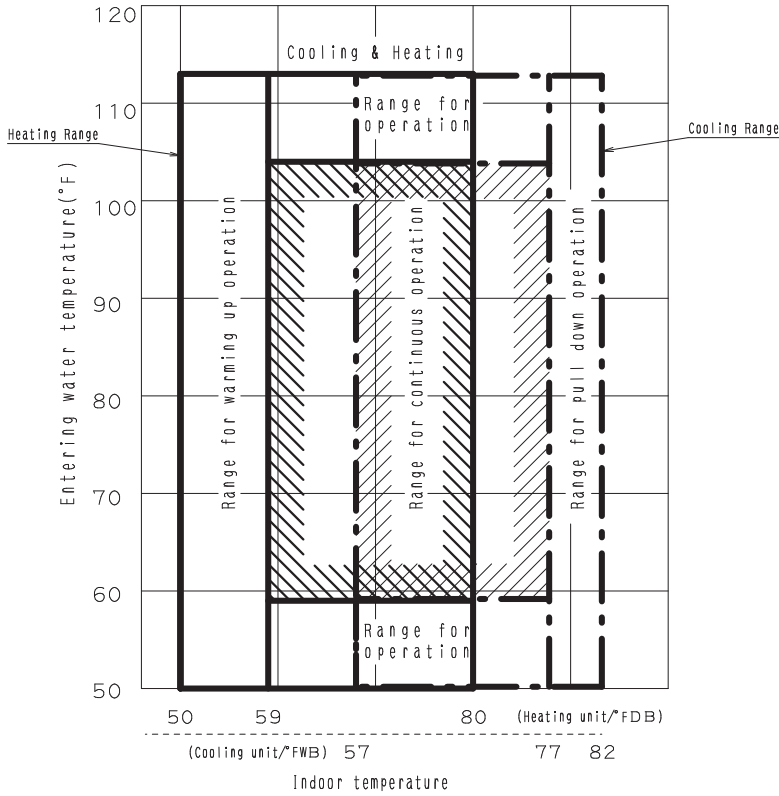


10.2 Heat Recovery

RWEQ72 - 432TBYCU · RWEQ72 - 432TBTJA / TBYDA

<Operation range in case of using antifreeze>

- Note) 1. The charts show the full operation range.
 Note the conditions which require antifreeze.
 The water flow rate per condenser module should be between 21.2~39.6 gpm (80~150 L/min).
 2. When the cooling load is small, fan operation may be carried out for freeze-up protection.
 3. Hold ambient conditions at 35~104°FDB(2~40°CDB), ~80%RH.
 4. The allowable lowest water temperature varies depending on antifreeze concentration.
 Contact your local Daikin sales representative for design assistance for all applications with an EWT below 50°F(10°C).
 5. A field setting is required in case of using antifreeze. Refer to installation manual of the outside unit.

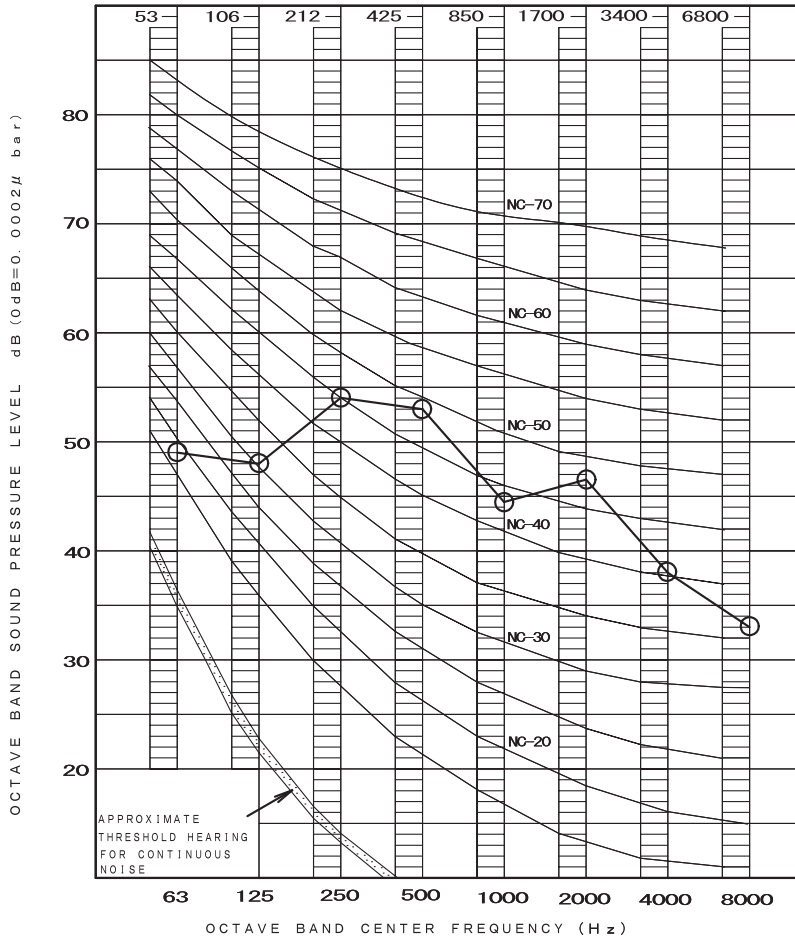


〔 Range for continuous operation 〕

- : Cooling
- : Heating

11. Sound Levels (Reference Data)

RWEQ72 - 96TBYCU · RWEQ72 - 96TBTJA / TBYDA



OVER ALL (dB)

SCALE	60Hz
A	54
C	58.5

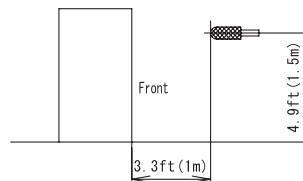
(B. G. N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

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

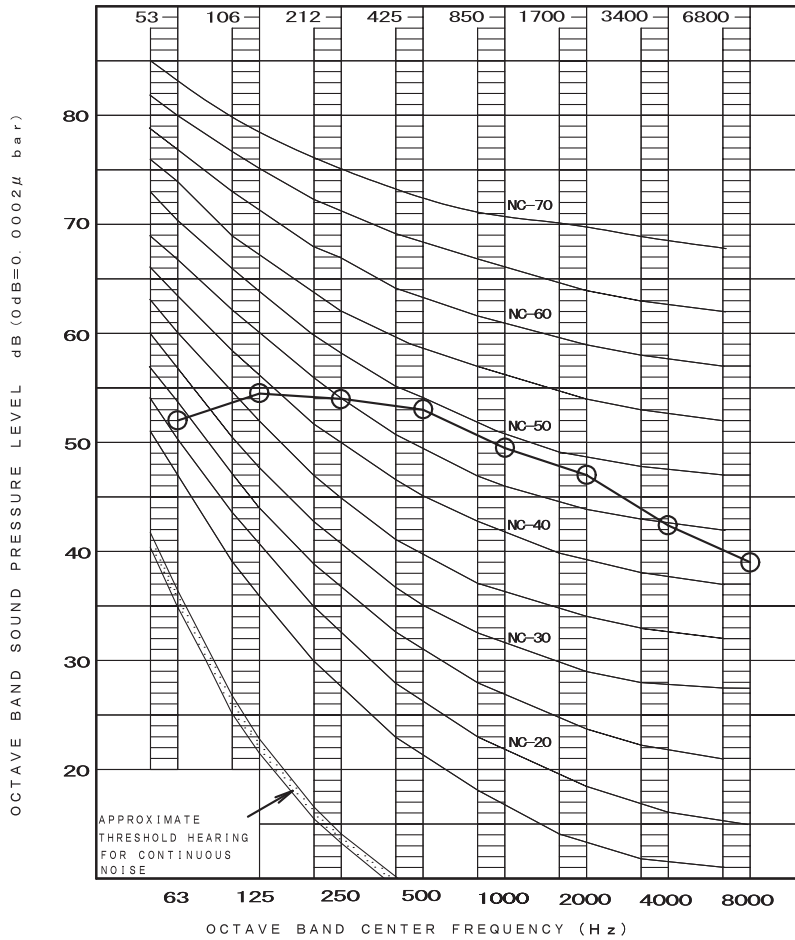
MEASURING PLACE
ANECHOIC CHAMBER (CONVERSION VALUE)

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.

RWEQ120TBYCU · RWEQ120TBTJA / TBYDA



OVER ALL (dB)

SCALE	60Hz
A	55
C	59

(B. G. N IS ALREADY RECTIFIED)

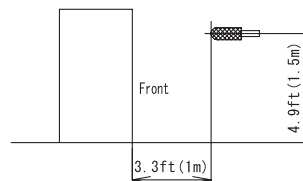
OPERATING CONDITIONS

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

MEASURING PLACE

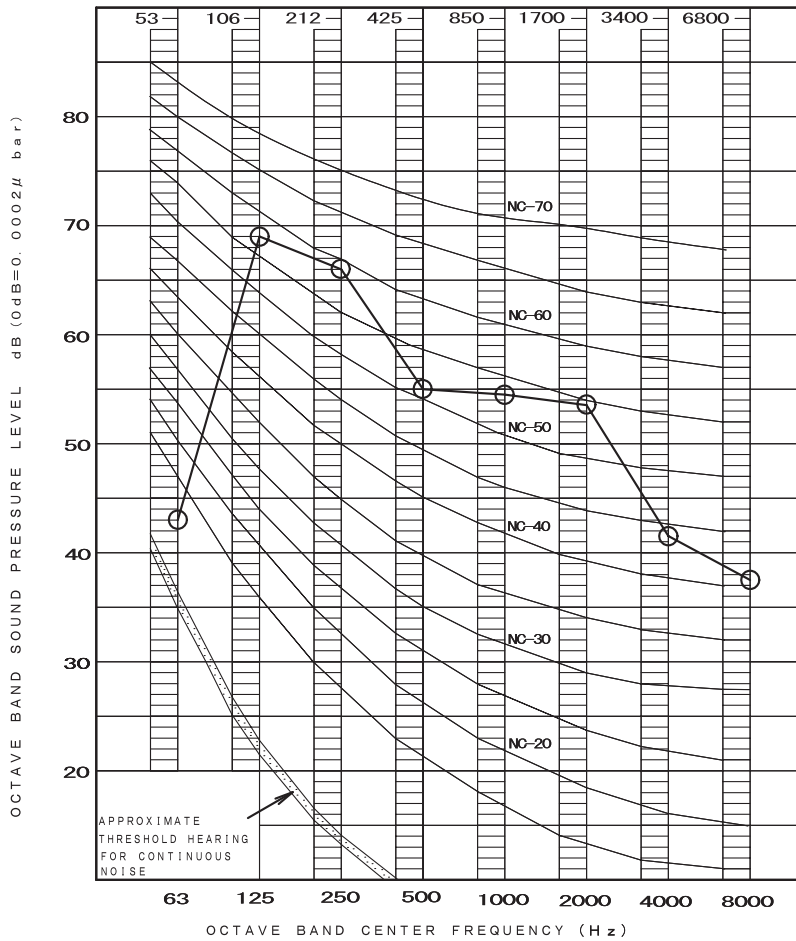
ANECHOIC CHAMBER (CONVERSION VALUE)

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.

RWEQ144TBYCU · RWEQ144TBTJA / TBYDA



OVER ALL (dB)

SCALE	60Hz
A	60.5
C	71

(B. G. N IS ALREADY RECTIFIED)

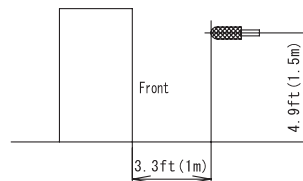
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
	460V 60Hz
	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.

12. Optional Accessories

RWEQ72 - 432TBYCU · RWEQ72 - 432TBTJA / TBYDA

Models		RWEQ72, 96TBTJA RWEQ72, 96TBYDA RWEQ72, 96TBYCU	RWEQ120TBTJA RWEQ120TBYDA RWEQ120TBYCU	RWEQ144TBTJA RWEQ144TBYDA RWEQ144TBYCU	RWEQ168, 192, 216, 240, 264, 288TBTJA RWEQ168, 192, 216, 240, 264, 288TBYDA RWEQ168, 192, 216, 240, 264, 288TBYCU	RWEQ312, 336, 360, 384, 408, 432TBTJA RWEQ312, 336, 360, 384, 408, 432TBYDA RWEQ312, 336, 360, 384, 408, 432TBYCU
COOL/HEAT Selector						
ABC I/P PRINTED CIRCUIT BOARD						
Fixing box						
Refnet header	for 3 pipes	KHRP25M33H9 (Max. 8 branch)	KHRP25M33H9, KHRP25M72H9 (Max. 8 branch)	KHRP25M33H9, KHRP25M72H9 (Max. 8 branch)	KHRP25M33H9, KHRP25M72H9, KHRP25M73HU9 (Max. 8 branch)	KHRP25M72H9, KHRP25M73HU9 (Max. 8 branch)
	for 2 pipes	KHRP26M22H9, KHRP26M33H9 (Max. 4 branch)	KHRP26M22H9, KHRP26M33H9, KHRP26M72H9 (Max. 8 branch)	KHRP26M22H9, KHRP26M33H9, KHRP26M72H9 (Max. 8 branch)	KHRP26M22H9, KHRP26M33H9, KHRP26M72H9, KHRP26M73HU9 (Max. 4 branch)	KHRP26M72H9, KHRP26M73HU9 (Max. 8 branch)
Refnet joint	for 3 pipes	KHRP25A22T9, KHRP25A33T9 (Max. 4 branch)	KHRP25A22T9, KHRP25A33T9, KHRP25M72TU9	KHRP25A22T9, KHRP25A33T9, KHRP25M72TU9	KHRP25A22T9, KHRP25A33T9, KHRP25M72TU9, KHRP25M73TU9	KHRP25M72TU9, KHRP25M73TU9 (Max. 8 branch)
	for 2 pipes	KHRP26A22T9, KHRP26A33T9	KHRP26A22T9, KHRP26A33T9, KHRP26M72TU9	KHRP26A22T9, KHRP26A33T9, KHRP26M72TU9	KHRP26A22T9, KHRP26A33T9, KHRP26M72TU9, KHRP26M73TU9	KHRP26M72TU9, KHRP26M73TU9 (Max. 8 branch)
Outside unit multi connection piping kit	for 3 pipes	—————	—————	—————	BHFP26T84U	BHFP26T126U
	for 2 pipes	—————	—————	—————	BHFP22T84U	BHFP22T126U
External control adaptor for outdoor unit						
DTA104A62						

NOTE) 1. Refer to the latest drawing.
 2. In the case of heat recovery system, COOL/HEAT Selector cannot be connected.

13. Selection Procedure

13.1 Selection Procedure

Flowchart

[1] Given conditions

Given Conditions:
 · Indoor unit design temperature and humidity
 · Outside unit entering water temperature and water flow rates
 · Required heat load of each room
 · System peak load (if necessary)
 · Piping length, level difference
 · Specifications of indoor units (type and number)

[2] Selection of indoor units

Define safety factor for the indoor units and outside unit

Indoor unit capacity corrected for indoor air temperature (WB) \geq Required heat load \times Safety factor for the indoor units

[3] Selection of outside unit

Define required total heat load to outside unit

1) Use the sum of the peak load of each room

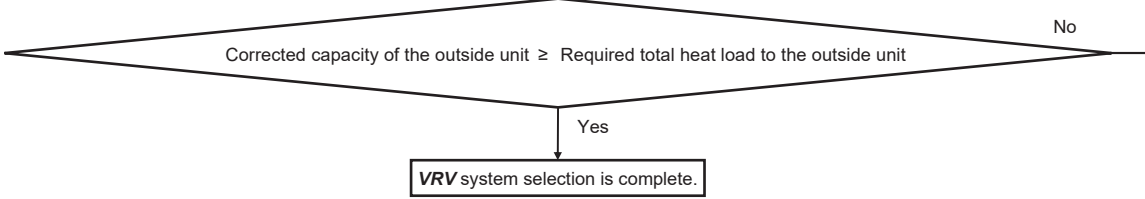
2) Use the system peak load

Provisionally select outside unit type and size based on limitation of connection ratio

Confirm that the number of indoor units connected to the outside unit is within limitation.

Correct cooling & heating capacity of the outside unit for the following items

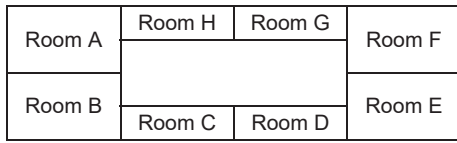
-Entering water temperature	-Water flow rate
-Indoor air temperature	-Piping length, level difference
-Connection ratio	-Piping heat loss
-Antifreeze ratio	-Safety factor for the outside unit



3. Specification

Selection Example

The following is a selection example based on total heat load for cooling.



Floor plan

[1] Given conditions

-Design conditions

Indoor air temperature: 67°F WB / 80°F DB, Outdoor entering water temperature: 85°F and water flow rate of 25 gpm.

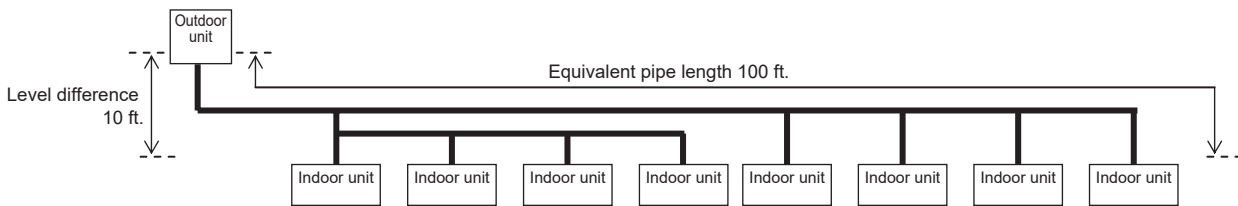
-Determine peak load of each room (and system peak load if necessary)

-Required heat load of each room

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H	Total
9:00	16.4	16.5	10.4	10.4	30.9	30.8	10.0	10.0	135.4
12:00	22.4	24.4	17.3	17.3	25.1	23.2	13.7	13.7	157.1
14:00	30.7	32.2	16.8	16.8	24.9	23.4	14.2	14.2	173.2
16:00	36.1	36.4	13.3	13.3	21.5	21.2	13.0	13.0	167.8

Total heat load (MBH)

From the above heat load calculation, the maximum heat load for the system (system peak load) is 173.2 MBH.



Select **VRV** indoor units FXMQ-TB series for each room.

-Safety factor

In this example, safety factor is not used. (i. e., safety factor = 1.0)

[2] Selection of indoor units

Calculate total heat capacity of indoor units corrected for indoor air temperature.

In case design temperature of the indoor air falls between temperatures listed in the table, calculate the capacity by interpolation.

The corrected total heat capacity of indoor units shall satisfy the maximum heat load of each room.

Capacity table of indoor unit
Cooling Capacity

Model	Indoor air temp. °FWB (°CWB) (Te: 43°F (6°C))											
	61 (16.1)		64 (17.8)		67 (19.4)		70 (21.1)		72 (22.2)		75 (23.9)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH
FXMQ15TBVJU	11.4	9.3	12.9	10.2	14.2	10.4	14.5	10.1	14.6	10.0	14.8	9.5
FXMQ18TBVJU	14.5	12.3	16.3	13.5	18.0	13.8	18.4	13.5	18.7	13.3	18.8	13.0
FXMQ24TBVJU	19.3	15.0	21.9	16.6	24.0	16.8	24.4	16.4	24.7	16.1	25.1	15.6
FXMQ30TBVJU	24.2	20.0	27.6	22.2	30.0	22.4	30.6	21.8	31.0	21.4	31.6	20.8
FXMQ36TBVJU	29.1	22.9	33.0	25.2	36.0	25.7	36.7	25.1	37.2	24.7	37.9	23.9
FXMQ48TBVJU	38.8	30.7	44.1	33.9	48.0	34.8	49.0	33.9	49.7	33.4	50.5	32.2
FXMQ54TBVJU	46.1	36.9	52.5	40.9	57.0	41.8	58.2	40.8	59.1	40.2	59.9	38.6

TC: Total capacity: MBH
SHC: Sensible heat capacity: MBH

Selection results of indoor units

	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
Max. heat load (MBH)	36.1	36.4	17.3	17.3	30.9	30.8	14.1	14.1
Selected IDU	FXMQ48TBVJU	FXMQ48TBVJU	FXMQ18TBVJU	FXMQ18TBVJU	FXMQ36TBVJU	FXMQ36TBVJU	FXMQ15TBVJU	FXMQ15TBVJU
Corrected TC (MBH)	48.0	48.0	18.0	18.0	36.0	36.0	14.2	14.2

* In case of selection based on Total Heat Load and Sensible Heat Load, select indoor units which satisfy not only the Total Heat Load but also the Sensible Heat Load of each room. The sensible heat capacity of indoor units is to be corrected for indoor air temperature. If the design temperature of indoor air falls between temperatures listed in table, calculate sensible heat capacity by using the bypass factor calculated by interpolation for each indoor air temperature.

[3] Selection of outside unit

[3] –1 Define the required total heat load from the indoor units to the outside unit

Define the required total heat load (A) based on (1) the sum of the peak load of each room or (2) the system peak load.

In this example, select an outside unit by (2).

Therefore, (A) = 173.2 MBH

[3] –2 Provisionally select outside unit**(1) Calculate CI (Capacity Index) of the selected indoor units.**CI of **VRV** indoor units

CI of FXMQ15TBVJU = 15

CI of FXMQ18TBVJU = 18

CI of FXMQ36TBVJU = 36

CI of FXMQ48TBVJU = 48

Capacity Range		0.5 ton	0.6 ton	0.8 ton	1 ton	1.25 ton	1.5 ton	2 ton	2.5 ton	3 ton	3.5 ton	4 ton	4.5 ton	5 ton	6 ton	8 ton	Power Supply, Standard
Capacity Index		5.8	7.5	9.5	12	15	18	20	24	30	36	42	48	54	60	72	
HSP concealed ducted unit	FXMQ	—	—	—	—	15TB	18TB	—	24TB	30TB	36TB	—	48TB	54TB	—	—	VJU

Calculate the total CI of the indoor units.

Total CI = 15 × 2 + 18 × 2 + 36 × 2 + 48 × 2 = 234

(2) Provisionally select an outside unit based on the total CI of the indoor units

The connection ratio of RWEQ-TA shall be between 50% and 150%.

As the total CI of the indoor units is 234, outside units from 16 ton to 36 ton are connectable.

Start from 16 ton which is the smallest outside unit.

Type	Ton	Capacity index	Model name	Combination	Outside unit multi connection piping kit *1	Total capacity index of connectable indoor units *2	Maximum number of connectable indoor units
Single outside units	6	72	RWEQ72TB	RWEQ72TB	—	48 to 93 (108)	12
	8	96	RWEQ96TB	RWEQ96TB		48 to 124 (144)	16
	10	120	RWEQ120TB	RWEQ120TB		60 to 156 (180)	20
	12	144	RWEQ144TB	RWEQ144TB		72 to 187 (216)	24
Double outside units	14	168	RWEQ168TB	RWEQ72TB+RWEQ96TB	Heat pump: BHFP22T84U	84 to 218 (252)	28
	16	192	RWEQ192TB	RWEQ96TB+RWEQ96TB		Heat recovery: BHFP26T84U	96 to 249 (288)
	18	216	RWEQ216TB	RWEQ96TB+RWEQ120TB	108 to 280 (324)		37
	20	240	RWEQ240TB	RWEQ120TB+RWEQ120TB	120 to 312 (360)		41
	22	264	RWEQ264TB	RWEQ120TB+RWEQ144TB	132 to 343 (396)		45
	24	288	RWEQ288TB	RWEQ144TB+RWEQ144TB	144 to 374 (432)	49	
Triple outside units	26	312	RWEQ312TB	RWEQ96TB+RWEQ96TB+RWEQ120TB	Heat pump: BHFP22T126U	156 to 405 (468)	54
	28	336	RWEQ336TB	RWEQ96TB+RWEQ120TB+RWEQ120TB		Heat recovery: BHFP26T126U	168 to 436 (504)
	30	360	RWEQ360TB	RWEQ120TB+RWEQ120TB+RWEQ120TB	180 to 468 (540)		62
	32	384	RWEQ384TB	RWEQ120TB+RWEQ120TB+RWEQ144TB	192 to 499 (576)		64
	34	408	RWEQ408TB	RWEQ120TB+RWEQ144TB+RWEQ144TB	204 to 530 (612)		64
	36*4	432	RWEQ432TB	RWEQ144TB+RWEQ144TB+RWEQ144TB	216 to 561 (648)	64	

(3) Confirm that the number of the connected indoor units is within the limitation.

The number of the connected indoor units = 8

The max. number of connectable indoor units of 16 ton outside unit = 33

[3] –3 Calculate the corrected capacity of the outside unit.

-Calculate the connection ratio of the system.

Total CI = 234, CI of RWEQ192TATJU = 192

Connection ratio = 234 / 192 = 122%

-Using the capacity table of the outside unit, calculate the capacity (B) corrected for outside entering water temperature, water flow rate, indoor air temperature, and connection ratio.

* In case the outside entering water temperature, water flow rate, the indoor air temperature, or the connection ratio falls between temperatures listed in the table, calculate the capacity by interpolation.

RWEQ192TBYCU · RWEQ192TBTJA / TBYDA — Cooling

Combination	Inlet water temp	Water volume	Indoor air temp. (°FWB)													
			57			61			64			67				
			TC	PI	Outlet water temp	TC	PI	Outlet water temp	TC	PI	Outlet water temp	TC	PI	Outlet water temp		
%	°F	gpm	MBH	kW	°F	MBH	kW	°F	MBH	kW	°F	MBH	kW	°F	MBH	
23	13.2	147	13.2	147	2.16	34.6	188	3.18	38.0	219	4.08	40.6	250	5.09	43.2	265
			15.9	147	2.12	32.7	188	3.13	35.5	219	4.02	37.6	250	5.01	39.8	266
			25.4	147	1.99	29.0	188	2.92	30.8	219	3.74	32.1	250	4.67	33.5	270
			31.7	147	1.88	27.8	188	2.75	29.2	219	3.52	30.3	250	4.39	31.3	275
			39.6	147	1.72	26.8	188	2.51	27.9	219	3.21	28.8	250	4.00	29.6	281
32	13.2	147	13.2	147	2.69	43.8	188	3.96	47.2	219	5.09	49.9	250	6.35	52.5	264
			15.9	147	2.65	41.8	188	3.91	44.7	219	5.01	46.9	250	6.26	49.1	265
			25.4	147	2.48	38.1	188	3.65	39.9	219	4.67	41.2	250	5.83	42.6	270
			31.7	147	2.34	36.9	188	3.43	38.3	219	4.40	39.4	250	5.48	40.5	274
			39.6	147	2.14	35.9	188	3.14	37.0	219	4.01	37.9	250	5.00	38.7	281
41	13.2	147	13.2	147	3.26	52.9	188	4.80	56.4	219	6.17	59.1	250	7.71	61.9	262
			15.9	147	3.21	50.9	188	4.73	53.8	219	6.08	56.1	250	7.60	58.4	263
			25.4	147	3.00	47.2	188	4.42	49.0	219	5.67	50.4	250	7.08	51.8	267
			31.7	147	2.83	45.9	188	4.16	47.4	219	5.33	48.5	250	6.65	49.6	272
			39.6	147	2.60	44.9	188	3.80	46.1	219	4.86	46.9	250	6.06	47.8	278
50	13.2	147	13.2	147	3.88	62.1	188	5.73	65.7	219	7.36	68.4	250	9.21	71.3	258
			15.9	147	3.82	60.1	188	5.65	63.0	219	7.25	65.3	250	9.07	67.7	259
			25.4	147	3.57	56.3	188	5.27	58.1	219	6.76	59.5	250	8.45	61.0	264
			31.7	147	3.37	55.0	188	4.96	56.4	219	6.36	57.6	250	7.94	58.7	268
			39.6	147	3.09	54.0	188	4.53	55.1	219	5.80	56.0	250	7.24	56.9	275
60	13.2	147	13.2	147	4.66	72.3	188	6.90	76.0	219	8.88	78.8	248	10.9	81.5	253
			15.9	147	4.59	70.2	188	6.80	73.3	219	8.74	75.7	249	10.8	78.0	254
			25.4	147	4.29	66.3	188	6.34	68.2	219	8.15	69.7	250	10.2	71.2	258
			31.7	147	4.05	65.1	188	5.97	66.6	219	7.67	67.7	250	9.58	68.9	262
			39.6	147	3.71	64.0	188	5.45	65.2	219	6.99	66.1	250	8.73	67.0	269
67	13.2	147	13.2	147	5.28	79.4	188	7.83	83.2	219	10.1	86.1	243	12.0	88.5	248
			15.9	147	5.20	77.3	188	7.72	80.5	219	9.94	82.9	244	11.9	84.9	249
			25.4	147	4.86	73.4	188	7.20	75.4	219	9.27	76.9	248	11.4	78.3	253
			31.7	147	4.59	72.1	188	6.78	73.6	219	8.72	74.8	250	10.9	76.0	257
			39.6	147	4.20	71.1	188	6.19	72.3	219	7.95	73.2	250	9.93	74.1	264
75	13.2	147	13.2	147	6.09	87.6	188	9.07	91.5	219	11.7	94.6	237	13.1	96.3	241
			15.9	147	6.00	85.5	188	8.94	88.8	219	11.5	91.3	237	13.0	92.8	242
			25.4	147	5.61	81.5	188	8.34	83.5	219	10.7	85.1	241	12.6	86.2	246
			31.7	147	5.29	80.2	188	7.85	81.8	219	10.1	83.0	245	12.2	84.0	250
			39.6	147	4.84	79.1	188	7.16	80.3	219	9.21	81.3	250	11.5	82.3	257
85	13.2	147	13.2	147	7.32	98.0	188	10.9	102	219	14.2	105	227	14.6	106	231
			15.9	147	7.21	95.8	188	10.8	99.2	219	13.9	102	228	14.5	102	232
			25.4	147	6.74	91.7	188	10.1	93.7	219	13.0	95	232	14.0	96.0	236
			31.7	147	6.35	90.3	188	9.46	91.9	219	12.2	93.2	235	13.6	93.9	240
			39.6	147	5.81	89.2	188	8.63	90.5	219	11.1	91.5	241	13.0	92.2	246
95	13.2	147	13.2	147	8.89	108	188	13.4	113	210	16.0	115	215	16.1	115	219
			15.9	147	8.76	106	188	13.2	110	211	15.9	112	216	16.0	112	219
			25.4	147	8.18	102	188	12.3	104	215	15.3	106	220	15.4	106	223
			31.7	147	7.70	100	188	11.5	102	218	14.9	103	223	15.0	104	227
			39.6	147	7.04	99.3	188	10.5	101	219	13.6	102	229	14.3	102	233

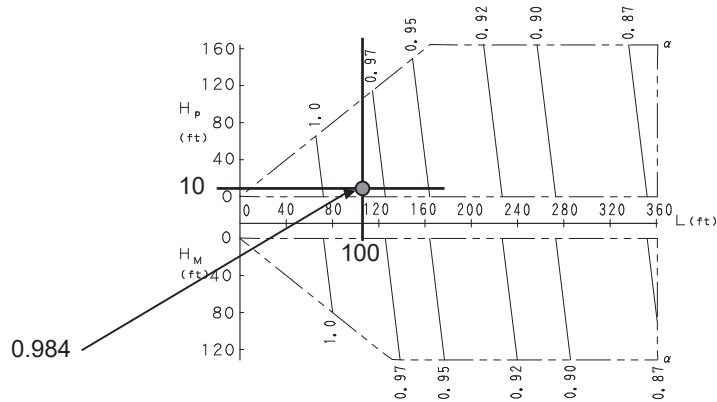
RWEQ192TBYCU · RWEQ192TBTJA / TBYDA — Cooling (continued)

Combination	Inlet water temp	Water volume	Indoor air temp. (°FWB)													
			57			61			64			67				
			TC	PI	Outlet water temp	TC	PI	Outlet water temp	TC	PI	Outlet water temp	TC	PI	Outlet water temp		
%	°F	gpm	MBH	kW	°F	MBH	kW	°F	MBH	kW	°F	MBH	kW	°F	MBH	
23	13.2	147	13.2	135	1.91	33.7	173	2.80	36.8	202	3.57	39.2	231	4.45	41.6	259
			15.9	135	1.89	31.9	173	2.76	34.5	202	3.52	36.5	231	4.38	38.5	259
			25.4	135	1.77	28.6	173	2.57	30.2	202	3.28	31.4	231	4.08	32.6	259
			31.7	135	1.67	27.4	173	2.43	28.7	202	3.09	29.7	231	3.84	30.7	259
			39.6	135	1.53	26.5	173	2.22	27.6	202	2.82	28.3	231	3.50	29.1	259
32	13.2	147	13.2	135	2.39	42.8	173	3.49	46.0	202	4.46	48.4	231	5.55	50.9	259
			15.9	135	2.35	41.0	173	3.44	43.7	202	4.39	45.7	231	5.47	47.7	259
			25.4	135	2.20	37.6	173	3.21	39.3	202	4.10	40.5	231	5.10	41.8	259
			31.7	135	2.08	36.5	173	3.03	37.8	202	3.86	38.8	231	4.79	39.8	259
			39.6	135	1.91	35.6	173	2.77	36.6	202	3.52	37.4	231	4.37	38.2	259
41	13.2	147	13.2	135	2.89	52.0	173	4.23	55.2	202	5.41	57.7	231	6.73	60.2	258
			15.9	135	2.85	50.1	173	4.17	52.8	202	5.33	54.9	231	6.63	56.9	259
			25.4	135	2.67	46.7	173	3.89	48.3	202	4.97	49.6	231	6.18	50.9	259
			31.7	135	2.52	45.5	173	3.67	46.9	202	4.68	47.9	231	5.82	48.9	259
			39.6	135	2.31	44.6	173	3.35	45.7	202	4.27	46.5	231	5.30	47.3	259
50	13.2	147	13.2	135	3.44	61.1	173	5.04	64.4	202	6.45	66.9	231	8.04	69.5	255
			15.9	135	3.39	59.2	173	4.97	62.0	202	6.35	64.1	231	7.92	66.2	256
			25.4	135	3.17	55.8	173	4.64	57.4	202	5.93	58.7	231	7.38	60.1	259
			31.7	135	2.99	54.6	173	4.37	55.9	202	5.58	57.0	231	6.94	58.0	259
			39.6	135	2.75	53.6	173	3.99	54.7	202	5.09	55.5	231	6.33	56.4	259
60	13.2	147	13.2	135	4.12	71.3	173	6.06	74.7	202	7.77	77.3	231	9.69	79.9	249
			15.9	135	4.07	69.4	173	5.97	72.2	202	7.65	74.4	231	9.55	76.6	250
			25.4	135	3.80	65.8	173	5.58	67.6	202	7.14	68.9	231	8.90	70.3	255
			31.7	135	3.59	64.6	173	5.25	66.0	202	6.72	67.1	231	8.37	68.2	259
			39.6	135	3.29	63.7	173	4.80	64.8	202	6.13	65.6	231	7.63	66.5	259
67	13.2	147	13.2	135	4.67	78.4	173	6.88	81.9	202	8.83	84.5	231	11.0	87.3	245
			15.9	135	4.60	76.5	173	6.78	79.4	202	8.70	81.6	231	10.9	83.9	245
			25.4	135	4.31	72.9	173	6.33	74.7	202	8.11	76.0	231	10.1	77.4	250
			31.7	135	4.06	71.7	173	5.96	73.1	202	7.63	74.2	231	9.52	75.3	254
			39.6	13												

-Confirm capacity correction factor by piping length and level difference (K1)

1. Rate of change of cooling capacity

(K1) = 0.984



-Calculate capacity correction factor by piping heat loss (K2)

(K2) = 1 + (heat loss factor per feet of piping × (equivalent piping length – 25 ft.)) / 100

In cooling mode, heat loss factor per feet at 93°F is calculated as below.

(R) Heat loss factor per feet = $0.072^{*2} + (0.098^{*1} - 0.072^{*2}) \times (93^{*3} - 86^{*4}) / (95^{*5} - 86^{*4}) = 0.0922$

Using "Equivalent piping length = 100 ft" and "Heat loss factor per feet = 0.0922",

(K2) = 1 + (0.0922 × (100 – 25)) / 100 = 1.07

Cooling	Ambient temperature								
	41°F	50°F	59°F	68°F	77°F	86°F*4	93°F*3	95°F*5	104°F
Heat loss factor per feet of piping (%)	0.000	0.000	0.013	0.030	0.046	0.072*2	(R)	0.098*1	0.125

Heating	Ambient temperature								
	5°F	14°F	23°F	32°F	41°F	50°F	59°F	68°F	
Heat loss factor per feet of piping (%)	0.328	0.305	0.282	0.256	0.233	0.210	0.187	0.161	

-Calculate capacity correction factor by antifreeze loss (K3)

It is 1.0 when using water.

Antifreeze Correction Factor

Ethylene Glycol			Propylene Glycol		
Cooling Capacity	10%	0.998	Cooling Capacity	10%	0.992
	20%	0.994		20%	0.988
	30%	0.990		30%	0.983
	40%	0.985		40%	0.974
	50%	0.980		50%	0.968
Heating Capacity	10%	0.993	Heating Capacity	10%	0.985
	20%	0.989		20%	0.982
	30%	0.986		30%	0.978
	40%	0.982		40%	0.970
	50%	0.979		50%	0.966

CA12A095B

-Calculate the corrected capacity of RWEQ216TATJU by using (K1), (K2) and (K3).

Corrected capacity of RWEQ216TATJU = (B) × (K1) × (K3) / (K2)

Therefore (C) = 228.8 × 0.984 × 1.0 / 1.07 = 210 MBH

If the corrected capacity (C) is the same or greater than the required total heat load (A), selection is complete.

If (C) < (A), return to Procedure [3]-2 and provisionally select a larger outside unit.

In this example, 210 MBH (C) > 173.2 MBH (A), so there is no need to select a larger outside unit.

14. Instructions for Antifreeze Usage

14.1 Instruction of Setting Water(Brine) Lower Flow Limit% for Variable Flow System

Please set the field setting [2-24] according to local pump/valve installation situation and operate variable flow control.

[2-24-1]: One pump/valve per module

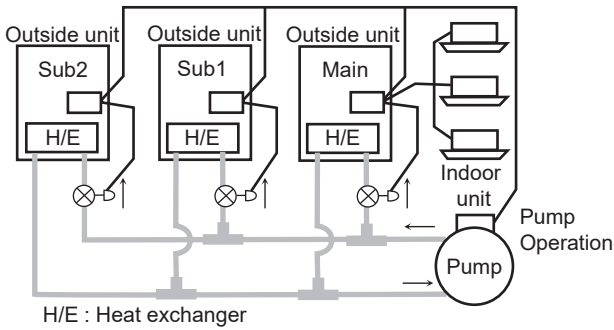
Pump/valve on secondary units remain ON when secondary units are OFF.

[2-24-2]: Water pump/valve control is OFF or controlled as whole system (one pump/valve per system)

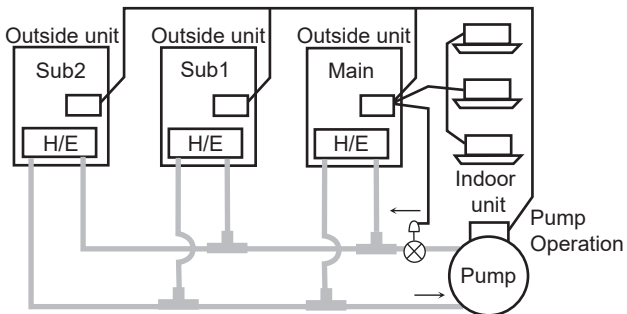
[2-24-3]: One pump/valve per module

Pump/valve on secondary units are OFF when secondary units are OFF.

Please connect the valve/pump for each unit.

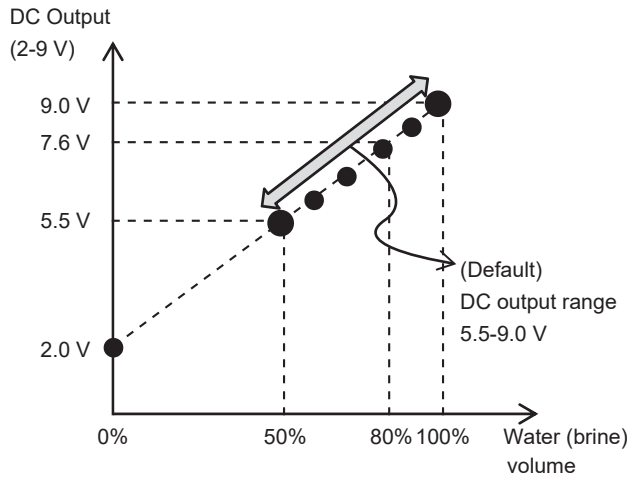


[2-24-2]: One pump/valve per system



Please set the field setting [2-25] so that the minimum water volume does not go down below 13.2 gpm (50 L/min).
 When using brine at entering water temperature of 50°F (10°C) or less, please set the minimum water flow limit to 21.2 gpm (80 L/min) or more.
 lower limit water (brine) flow rate setting for variable water flow

[2-25]	Flow % of max flow rate	DC output (V)
—	0% (thermo-off)	2.0
0	10%	2.7
1	20%	3.4
2	30%	4.1
3	40%	4.8
4(default)	50%	5.5
5	60%	6.2
6	70%	6.9
7	80%	7.6
—	90%	8.3
—	100% (Local max flow rate)	9.0



When the unit stop or thermo-off, the DC output is 2.0 V.

[Example]

When the local 100% flow rate = **39.6 gpm** (150 L/min) using water, When the water flow operates in proportion to the voltage. 2.0 V: 0%- 9.0 V: 100%

Lower limit case **13.2 gpm** (50 L/min) for using water.

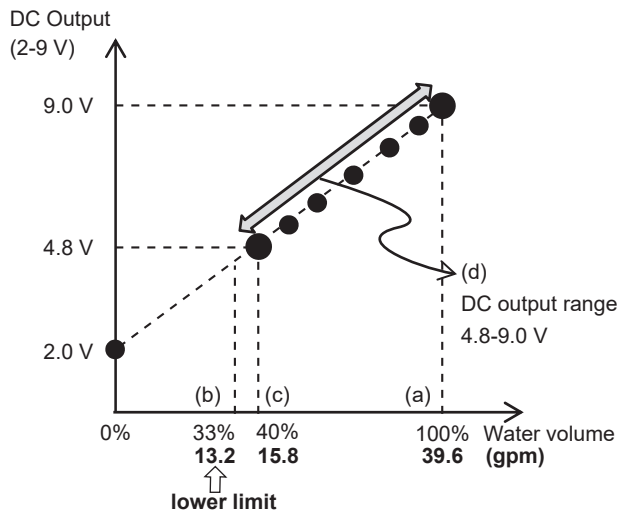
$$\frac{(b)13.2 \text{ gpm (lower limit water volume)}}{(a)39.6 \text{ gpm (local 100\% flow rate)}} = 0.33 \Rightarrow 33\%$$

Please select the closest setting with a value of 33% or more.

set to [2-25-3] (40%)

So, lower flow rate will be (c)15.8 gpm (60 L/min)

And DC output range is (d) 4.8-9.0 V



15. Caution for Refrigerant Leaks

15.1 Introduction

Points to note in connection with refrigerant leaks

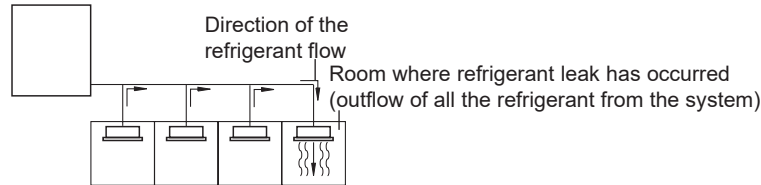
The installer and system specialist shall secure safety against leakage according to local regulations or standards. The following standards may be applicable if local regulations are not available.

The **VRV** System, like other air conditioning systems, uses R410A as refrigerant. R410A itself is an entirely safe non-toxic, non-combustible refrigerant. Nevertheless care must be taken to ensure that air conditioning facilities are installed in a room which is sufficiently large. This assures that the maximum concentration level of refrigerant gas is not exceeded, in the unlikely event of major leak in the system and this in accordance to the local applicable regulations and standards.

Maximum concentration level

The maximum charge of refrigerant and the calculation of the maximum concentration of refrigerant is directly related to the humanly occupied space in to which it could leak.

The unit of measurement of the concentration is lb./1000 ft.³ (the weight in lbs. of the refrigerant gas in 1 ft.³ volume of the occupied space). Compliance to the local applicable regulations and standards for the maximum allowable concentration level is required.



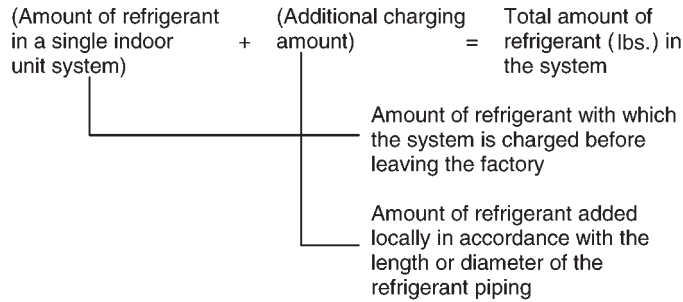
Pay special attention to places, such as basements, etc. where refrigerant can stay, since refrigerant is heavier than air.



15.2 Procedure for Checking Maximum Concentration

Check the maximum concentration in accordance with steps 1 to 4 below and take whatever action is necessary.

Step1: Calculate the amount of refrigerant (lbs.) charged to each system separately.



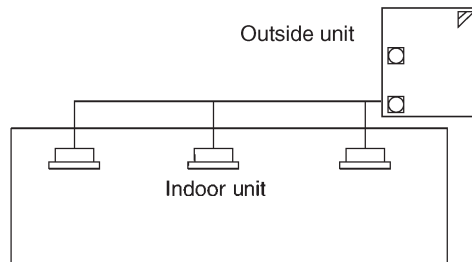
Note:

Where a single refrigerant facility is divided onto 2 entirely independent refrigerant systems then use the amounts of refrigerant with which each separate system of charged.

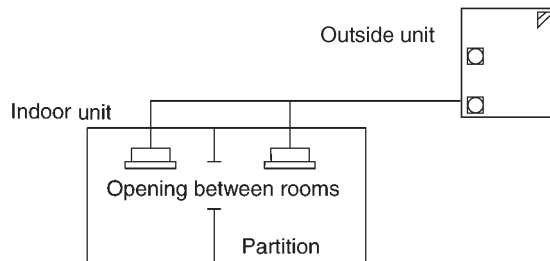
Step 2: Calculate the smallest room volume (ft.³)

In case like the following, calculate the volume of (a), (b) as a single room or as the smallest room.

(a) Where there are no smaller room divisions.

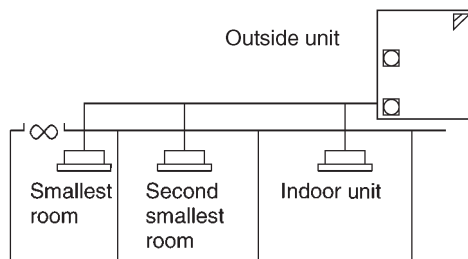


(b) Where there is a room division but there is an opening between the rooms sufficiently large to permit a free flow of air back and forth.



(Where there is an opening without a door or where there are openings above and below the door which are each equivalent in size to 0.15% or more of the floor area.)

(c) Where there is a gas leak detection alarm device linked to a mechanical ventilator in the smallest room then the next smallest room will become the measurement target.



Step 3: Calculate the refrigerant density using the results of the calculations in step 1 and 2 above.

$$\frac{\text{Total volume of refrigerant in the refrigerant system}}{\text{Size (ft.}^3\text{) of the smallest room in which there is an indoor unit installed}} \leq \text{Maximum concentration level (lbs./ft.}^3\text{)}$$

If the result of the above calculation exceeds the maximum concentration level then make similar calculations for the second then third smallest room and so on until the result falls short of the concentration level.

Step 4: Dealing with the situations where the result exceeds the maximum concentration level.

Where the installation of a facility results in a concentration in excess of the maximum concentration level then it will be necessary to revise the system design.

Please consult Daikin supplier.

16. Safety Devices Setting

FXFQ-AA

Model		FXFQ07AAVJU	FXFQ09AAVJU	FXFQ12AAVJU	FXFQ15AAVJU	FXFQ18AAVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Fan motor thermal fuse	°C	—	—	—	—	—
Fan motor thermal protector	°C	—	—	—	—	—
Drain pump fuse	°C	—	—	—	—	—

Model		FXFQ24AAVJU	FXFQ30AAVJU	FXFQ36AAVJU	FXFQ48AAVJU	FXFQ54AAVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Fan motor thermal fuse	°C	—	—	—	—	—
Fan motor thermal protector	°C	—	—	—	—	—
Drain pump fuse	°C	—	—	—	—	—

C: 4D140940

FXZQ-TB

Model		FXZQ05TBVJU	FXZQ07TBVJU	FXZQ09TBVJU	FXZQ12TBVJU	FXZQ15TBVJU	FXZQ18TBVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Fan motor thermal fuse	°F (°C)	—	—	—	—	—	—
Fan motor thermal protector	°F (°C)	—	—	—	—	—	—
Drain pump fuse	°F (°C)	—	—	—	—	—	—

C: 4D137360

FXUQ-PA

Model		FXUQ18PAVJU	FXUQ24PAVJU	FXUQ30PAVJU	FXUQ36PAVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Drain pump thermal fuse	°F (°C)	—	—	—	—
Fan motor thermal protector	°F (°C)	—	—	—	—
Fan motor thermal fuse	°F (°C)	—	—	—	—

C: 3D133254

FXEQ-P

Model		FXEQ07PVJU	FXEQ09PVJU	FXEQ12PVJU	FXEQ15PVJU	FXEQ18PVJU	FXEQ24PVJU
Printed circuit board fuse	A1P	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Fan motor thermal protector	°F (°C)	OFF: 223±9 (106±5) ON: 205±27 (96±15)	OFF: 223±9 (106±5) ON: 205±27 (96±15)	OFF: 223±9 (106±5) ON: 205±27 (96±15)	OFF: 223±9 (106±5) ON: 205±27 (96±15)	OFF: 223±9 (106±5) ON: 205±27 (96±15)	OFF: 223±9 (106±5) ON: 205±27 (96±15)

C: 4D098709

FXDQ-M

Model		FXDQ07MVJU	FXDQ09MVJU	FXDQ12MVJU	FXDQ18MVJU	FXDQ24MVJU
Printed circuit board fuse	A1P	250 V, 5 A	250 V, 5 A	250 V, 5 A	250 V, 5 A	250 V, 5 A
Fan motor thermal protector	°F	OFF: 266±9 ON: 181±27	OFF: 266±9 ON: 181±27	OFF: 266±9 ON: 181±27	OFF: 266±9 ON: 181±27	OFF: 266±9 ON: 181±27

C: 3D051758

FXSQ-TB

Model		FXSQ05TBVJU	FXSQ07TBVJU	FXSQ09TBVJU	FXSQ12TBVJU	FXSQ15TBVJU	FXSQ18TBVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Printed circuit board fuse (fan driver)		250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A
Drain pump thermal fuse	°F (°C)	—	—	—	—	—	—

Model		FXSQ24TBVJU	FXSQ30TBVJU	FXSQ36TBVJU	FXSQ48TBVJU	FXSQ54TBVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Printed circuit board fuse (fan driver)		250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A
Drain pump thermal fuse	°F (°C)	—	—	—	—	—

C: 3D140708

FXMQ-TB

Model		FXMQ15TBVJU	FXMQ18TBVJU	FXMQ24TBVJU	FXMQ30TBVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Printed circuit board fuse (fan driver)		250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A
Drain pump thermal fuse	°F (°C)	—	—	—	—

Model		FXMQ36TBVJU	FXMQ48TBVJU	FXMQ54TBVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Printed circuit board fuse (fan driver)		250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A
Drain pump thermal fuse	°F (°C)	—	—	—

C: 3D140811

FXMQ-TA

Model		FXMQ72TAVJU	FXMQ96TAVJU
Printed circuit board fuse		250 V, 5 A	250 V, 5 A
Fan motor thermal fuse	°F	—	—
Fan motor thermal protector	°F	OFF: 275±14 (ON: 189±27)	OFF: 275±14 (ON: 189±27)

FXHQ-M

Model		FXHQ12MVJU	FXHQ24MVJU	FXHQ36MVJU
Printed circuit board fuse		250 V, 5 A	250 V, 5 A	250 V, 5 A
Fan motor thermal fuse	°F	–	–	–
Fan motor thermal protector	°F	OFF: 266±9 ON: 176±36	OFF: 266±9 ON: 176±36	OFF: 266±9 ON: 176±36

C: 3D049334A

FXAQ-P

Model		FXAQ07PVJU	FXAQ09PVJU	FXAQ12PVJU	FXAQ18PVJU	FXAQ24PVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Fan motor thermal fuse	°F	–	–	–	–	–
Fan motor thermal protector	°F	–	–	–	–	–

C: 4D047085D

FXLQ-M, FXNQ-M

Model		FXLQ07MVJU FXNQ07MVJU	FXLQ09MVJU FXNQ09MVJU	FXLQ12MVJU FXNQ12MVJU	FXLQ18MVJU FXNQ18MVJU	FXLQ24MVJU FXNQ24MVJU
Printed circuit board fuse		250 V, 5 A	250 V, 5 A	250 V, 5 A	250 V, 5 A	250 V, 5 A
Fan motor thermal protector	°F (°C)	OFF: 275±18 (135±10) ON: 248 (120) or less	OFF: 275±18 (135±10) ON: 248 (120) or less	OFF: 275±18 (135±10) ON: 248 (120) or less	OFF: 275±18 (135±10) ON: 248 (120) or less	OFF: 275±18 (135±10) ON: 248 (120) or less

C: 3D045646B

FXTQ-TB

Model	FXTQ09TBVJUA	FXTQ12TBVJUA	FXTQ18TBVJUA	FXTQ24TBVJUA	FXTQ30TBVJUA
Model (with factory disconnect)	FXTQ09TBVJUD	FXTQ12TBVJUD	FXTQ18TBVJUD	FXTQ24TBVJUD	FXTQ30TBVJUD
Printed circuit board fuse (F1U)	32 V, 3 A	32 V, 3 A	32 V, 3 A	32 V, 3 A	32 V, 3 A
Printed circuit board fuse (F2U)	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Others	Blower motor, Fan driver overload protector				

Model	FXTQ36TBVJUA	FXTQ42TBVJUA	FXTQ48TBVJUA	FXTQ54TBVJUA	FXTQ60TBVJUA
Model (with factory disconnect)	FXTQ36TBVJUD	FXTQ42TBVJUD	FXTQ48TBVJUD	FXTQ54TBVJUD	FXTQ60TBVJUD
Printed circuit board fuse (F1U)	32 V, 3 A	32 V, 3 A	32 V, 3 A	32 V, 3 A	32 V, 3 A
Printed circuit board fuse (F2U)	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Others	Blower motor, Fan driver overload protector				

CXTQ-TA

Model	CXTQ24TASBLU	CXTQ36TASBLU	CXTQ48TASBLU	CXTQ60TASBLU
Printed circuit board fuse (F1U)	32 V, 3 A	32 V, 3 A	32 V, 3 A	32 V, 3 A
Printed circuit board fuse (F2U)	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A

4. Appendix

1. Introduction

1.1 ED Book List

Design Manual	RWEQ-TB EDUS302354-D (This booklet)
Capacity Table Book.....	RWEQ-TB EDUS302354-C
Installation.....	RWEQ-TB EDUS301864A-N
Indoor Units		
Ceiling Mounted Cassette Type (Round Flow with Sensing) ...	FXFQ-AA EDUS392234-F14
VISTA™ 2 × 2 Cassette Unit	FXZQ-TB EDUS392209-F9
4-Way Blow Ceiling-Suspended Type.....	FXUQ-PA EDUS392109-F15
One Way Blow Cassette Type	FXEQ-P EDUS391533A-F16
Slim Ceiling Mounted Duct Type	FXDQ-M EDUS39-600B-F2
MSP Concealed Duct Unit	FXSQ-TB EDUS392235-F17
HSP Concealed Ducted Unit	FXMQ-TB EDUS392236-F4
Ceiling Mounted Duct Type	FXMQ-TA ED5VRV2S-NA23V1
Ceiling Suspended Type.....	FXHQ-M EDUS39-600A-F5
Wall Mounted Type.....	FXAQ-P EDUS391100A-F6
Floor Standing Type / Concealed Floor Standing Type	FXLQ-M FXNQ-M EDUS391502A-F7
Air Handling Unit.....	FXTQ-TB	... Engineering Data FXTQ-TB
Cased Coil Unit	CXTQ-TA	... Engineering Data CXTQ-TA
Branch Selector Unit	BSQ-T BSF-Q54T BS-Q54T EDUS392110-B
Air Treatment Equipment		
Outdoor Air Processing Unit	FXMQ-MF EDUS39-900B-F10
Energy Recovery Ventilator.....	VAM-G EDUS711116B
Controls.....	 EDUS721909A-T
Remote Controller		
Navigation Remote Controller.....	BRC1E73 EDUS721438

1.2 Publication List of Engineering Data for VRV Products

Shaded sections indicate Engineering Data Book/s published for this series.

Timing of publication is subject to change without notice.

Outdoor Unit

Refrigerant	Category	Product series	Type	Volts	Model name	Area	Book category	Book No.	Published in		
R410A	Air cooled	VRV EMERION	H/R	208/230 V 460 V	REYQ-AATJB, AAYDB	USA Canada	Design manual	EDUS372348-D	Feb.2024		
							Capacity table	EDUS372348-C	Mar.2024		
				H/P	208/230 V 460 V	RXYQ-AATJB, AAYDB	USA Canada	Design manual	EDUS342395-D	Feb.2024	
						Capacity table		EDUS342395-C	Mar.2024		
			VRV IV-X	H/R	208/230 V 460 V 575 V	REYQ-XBTJA, XBYDA, XBYCA	USA Canada	Design manual	EDUS372349-D	Mar.2024	
						Capacity table		EDUS372349-C	Mar.2024		
					H/P	208/230 V 460 V	RXYQ-XATJA, XAYDA	USA Canada	Design manual	EDUS341923A-D	Oct.2020
							Capacity table		EDUS341923-C	Nov.2019	
					575 V	RXYQ-XBYCA	Canada	Design manual	EDUS342391-D	Mar.2024	
							Capacity table	EDUS342391-C			
			VRV IV	H/R	208/230 V 460 V	REYQ-TATJA, TAYDA	USA Canada	Design manual	EDUS371704C-D	Feb.2020	
						575 V		REYQ-TAYCA	Canada		Design manual
								Capacity table	EDUS371706C-C		
					H/P	208/230 V 460 V	RXYQ-TATJA, TAYDA	USA Canada	Design manual		EDUS341703B-D
							Capacity table		EDUS341703B-C		
					575 V	RXYQ-TAYCA	Canada	Design manual	EDUS341824A-D		
							Capacity table	EDUS341824A-C			
			VRV Aurora	H/R	208/230 V 460 V 575 V	RELQ-TBTJA, TBYDA, TBYCA	USA Canada	Design manual	EDUS372352-D	Mar.2024	
									Capacity table		EDUS372352-C
				H/P	208/230 V 460 V 575 V	RXLQ-TBTJA, TBYDA, TBYCA	USA Canada	Design manual	EDUS342353-D	Mar.2024	
						Capacity table		EDUS342353-C			
		VRV IV-S	H/P	208/230 V	RXTQ36TAVJ9A RXTQ48/60TAVJUA	USA Canada	Design manual	EDUS331608C-D	Feb.2020		
							Capacity table	EDUS331608C-C			
		VRV LIFE	H/P	208/230 V	RXSQ-TAVJUA	USA Canada	Design manual	EDUS331721A-D	Feb.2020		
					Capacity table		EDUS331721A-C				
		Installation for all VRV air cooled type					Installation	EDUS371848-N	Aug.2019		
	Water cooled	VRV-W	H/P	208/230 V 460 V 575 V	RWEQ-TBTJA, TBYDA, TBYCU	USA Canada	Design manual	EDUS302354-D	Mar.2024		
							H/R				Capacity table
		Installation for all VRV water cooled type					Installation	EDUS301864-N	Aug.2019		

Note:

C/O: Cooling only, H/P: Heat pump, H/R: Heat recovery

Indoor Unit and Other Products

Refrigerant	Product category	Product type	Model name	Area	Book No.	Published in	
R410A	VRV Indoor units	Ceiling Mounted Cassette Type (Round Flow with Sensing)	FXFQ07-54AAVJU	USA	EDUS392234-F14	Oct.2023	
		VISTA™ 2 x 2 Cassette Unit	FXZQ05-18TBVJU	USA	EDUS392209-F9	Feb.2022	
		4-Way Blow Ceiling- Suspended Type	FXUQ18-36PAVJU	USA	EDUS392109-F15	Jul.2021	
		One Way Blow Cassette Type	FXEQ07-24PVJU	USA	EDUS391533A-F16	Jan.2021	
		Slim Ceiling Mounted Duct Type	FXDQ07-24MVJU	USA	EDUS39-600A-F2	Mar.2021	
		MSP Concealed Ducted Unit	FXSQ05-54TBVJU	USA	EDUS392235-F17	Oct.2022	
		HSP Concealed Ducted Unit	FXMQ15-54TBVJU	USA	EDUS392236-F4	Oct.2022	
		Ceiling Mounted Duct Type	FXMQ72/96TAVJU	USA	ED5VRV2S-NA23V1	Sep.2023	
		Ceiling Suspended Type	FXHQ12-36MVJU	USA	EDUS39-600A-F5	Mar.2021	
		Wall Mounted Type	FXAQ07-24PVJU	USA	EDUS391100A-F6	Jan.2021	
		Floor Standing Type Concealed Floor Standing Type	FXLQ07-24MVJU FXNQ07-24MVJU	USA	EDUS391502A-F7	Jan.2021	
		Low-temperature hydrobox	HXY48TAVJU	USA	EDUS392021-F18	Sep.2020	
		AHU Integration Kit—Re-Heat	EKEQDCBAV3-US	USA	EDUS392125-F19	Mar.2022	
		Cased Coil Unit	CXTQ24-60TASBLU	USA	Engineering Data CXTQ-TA	—	
		Air Handling Unit	FXTQ09-60TBVJUA FXTQ09-60TBVJUD	USA	Engineering Data FXTQ-TB	—	
		Outdoor Air Processing Unit	FXMQ48-96MFVJU	USA	EDUS39-900B-F10	Mar.2021	
		Branch Selector Unit	BSQ-TAVJ BSF-Q54TVJ BS-Q54TAVJ	USA	EDUS392110-B	Jun.2021	
		Controls and networks	Control systems Control devices Adaptors	Please refer to ED Book with No. on the right for applicable models.	USA	EDUS721909A-T	Oct.2020
	Navigation remote controller		BRC1E73	USA	EDUS721438	Apr.2015	
	intelligent Touch Manager		DCM601A71, DCM601A72	USA	EDUS721212A	Mar.2022	
	intelligent Touch Controller		DCS601C71	USA	EDUS72-608	Dec.2006	
	Interface for use in BACnet®		DMS502B71	USA	EDUS72-749	Oct.2007	
	Option for all type			Please refer to ED Book with No. on the right for applicable models.	USA	OHUS07-1	Nov.2007
	Energy Recovery Ventilator (VAM)			VAM300-1200GVJU	USA	EDUS711116B	Dec.2020

MEMO

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 inquiries, 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.