Product Catalog

GMV6 HR Inverter VRF Units (GC202601-I)

⚠SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

⚠AVERTISSEMENT DE SÉCURITÉ

Seul le personnel qualifié doit installer et procéder à l'entretien des équipements. L'installation, le démarrage et la réparation des équipements de chauffage, de ventilation et de climatisation peuvent être dangereux et nécessitent une formation et des connaissances spécifiques. Un équipement mal installé, réglé ou modifié par un individu non qualifié peut entraîner des blessures graves, voire mortelles. Lors de toute intervention sur l'équipement, respectez toutes les précautions figurant dans la documentation et sur les étiquettes et autocollants fixés à l'équipement.

September 2026 **VRFC-PRC002A-EN**

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1. UNIT CHARACTERISTICS

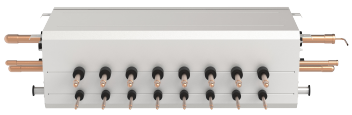
1.1 Product Line Up

1.1.1 Lineup of Outdoor Unit

Ultra Heat GMV6 HR DC Inverter VRF system: The capacities of basic models are:6Ton,8Ton and 10Ton.

Capacity (Ton)	Model	Appearance
6	GMV-VQ72WM/C-W	
8	GMV-VQ96WM/C-W	
10	GMV-VQ120WM/C-W	

1.1.2 Mode Exchange Box

Model	Appearance
NCHS1D(U)	
NCHS2D(U)	
NCHS4D(U)	
NCHS8D(U)	

1.2 Product Function

Ultra Heat GMV6 HR can realize cooling, heating at the same time. The units adopts multiple leading technologies such as all new high efficiency enthalpy adding system, CAN+ communication technology, energy saving technology and intelligent control technology. In addition, the new generation intelligent management control system and healthy fresh air solution ensures the excellent energy saving, comfort

and reliability of the unit. The unit can achieve a wide operation range of -30℃(-22℉)~52℃(125.6℉), which can be applicable to villas, office building, hotels etc.

(1) The integrated design of heat pump and heat recovery makes it flexible to be designed as a heat pump or a heat recovery system according to the project demands.

(2) Heating at low ambient temperature of -20℃(-4℉) without attenuation and reliable heating at low ambient temperature of -30℃(-22℉).

(3) The indoor units can perform cooling and heating simultaneously.

(4) Reliable cooling at low ambient temperature of at -15℃(5℉).

(5) Continuous heating function is available to further improve the comfort and energy efficiency of the unit.

(6) High-efficiency enthalpy adding DC inverter compressor and high-efficiency brushless DC motor are adopted.

(7) Strong low-temperature enthalpy adding technology and integrated aluminum electric control and high-efficiency radiation design are adopted, achieving operation in wide ambient temperature range from -30℃(-22℉)~52℃(125.6℉).

(8) The system will memorize and judge the highest outdoor temperature. When the system is operating at night in low load, it will enter quiet mode automatically. Based on actual application occasion, 13 kinds of quiet mode can be set.

(9) Humanized operation design

◆ Auto address allocation and non-polarized communication;

◆ Auto commissioning and error detection

◆ Five kinds of auto commissioning function

◇ Auto allocation of IDU and ODU address

◇ Auto detection of IDU and ODU quantity

◇ Auto detection of internal error of the unit

◇ Start test run automatically

◇ Real-time judgment of pipeline abnormality

◆ The unit has emergency operations of module, compressor and fan;

(10) New modular load allocation control

Choose unit module according to the operation status to realize efficient operation among modular unit, reduce energy consumption loss and improve energy efficiency of operation, which will enhance the reliability of the unit.

(11) ODU high external pressure provides far more flexibility

ODU will choose the corresponding static pressure according to application, the maximum ESP can be 110Pa, especially for the designing with ODU inside mechanical room and duct out the discharge air.

1.3 Nomenclature

1.3.1 Nomenclature of Outdoor Unit

GMV	□	□	—	□	□	□	W	□	/	□	□	□	(□)
1	2	3		4	5	6	7	8		9	10	11	12

No.	Description	Options
1	Product category	GMV—Gree Multi VRF Units
2	Climate type	Omit—T1 condition; T2—low temperature climate; T3—high temperature climate
3	Function type	Omit—Heat pump L—Cooling only
4	Application	Omit—for commercial H—for residential
5	Function code	Omit—No special function, Q—Heat recovery model unit, S—Water heater unit, W—Water cooled unit, X— Fresh air processing unit, Z—Reheat dehumidifier unit, Y—PV unit, G—High sensible heat unit, V—Low ambient temperature heat pump unit, XR—Thermal storage unit
6	Nominal capacity	Nominal capacity/100(W)
7	Code for outdoor unit	W—outdoor unit
8	Unit structure	Omit—Non-modular (top discharge) M—Modular (top discharge); L—Non-modular (side discharge);
9	Refrigerant	Omit—R410A
10	Revision No.	Named in order of A, B, C, or combined with 1, 2, 3…
11	Power supply	7000~18000W, Omit—1 phase; S—3 phase
12	Sales region	Omit—for general area For special area, area code is in the form of one capital letter: A, P or S…

1.3.2 Nomenclature Rule of Mode Exchange Box

NCHS	□	□	□
1	2	3	4

No.	Description	Options
1	Product category	NCHS－Mode exchange box
2	Branch code	Quantity of branches
3	Revision No.	Arrange by A, B, C...
4	Sales region	(U)—North America Omit—Other areas

1.4 The Range of Production Working Temperature

—	Cooling	Heating
Ambient temperature	-15*℃(5*℉)~52℃(125.6℉)DB	-30℃(-22℉)~24℃(75.2℉)DB
Indoor temperature	14℃(57.2℉)~25℃(77℉)WB	15℃(59℉)~27℃(80.6℉)DB
Indoor humidity	≤80%	

*Note: Generally, the lowest operating temperature is -5°C(23°F), when cooling at -15~-5°C (5~23°F), customized configuration is required.

When the indoor units are all VRF fresh air processor, the unit operating range is as follows:

Cooling	Ambient temperature: 16℃(60.8℉)~45℃(113℉)
Heating	Ambient temperature: -7℃(19.4℉)~16℃(60.8℉)

NOTICE! If exceeding the temperature range for working, the product may be damaged, which is not within the warranty range.

2. UNIT PARAMETER

2.1 Parameter of Ultra Heat GMV6 HR

2.1.1 Parameter of Outdoor Unit

Model		—	GMV-VQ72WM/C-W	GMV-VQ96WM/C-W	GMV-VQ120WM/C-W
Capacity Range		Ton	6	8	10
Nominal Capacity	Cooling	Btu/h	72000	96000	120000
	Heating	Btu/h	81000	108000	135000
Rated Capacity①	Cooling	Btu/h	69000	92000	114000
	Heating	Btu/h	77000	103000	129000
Air Flow Volume		CFM	5740	6180	6530
		m^3/h	9750	10500	11100
Power Supply		V/Ph/Hz	575V 3~60	575V 3~60	575V 3~60
MCA (Minimum Circuit Ampacity)		A	19.2	19.2	19.4
MOP (Maximum Overcurrent Protection)		A	25	25	25
Max. Number of Connectable IDUs		unit	13	16	19
Refrigerant Type		—	R410A	R410A	R410A
Refrigerant Charge Volume		LBS	25.57	25.57	25.57
		kg	11.6	11.6	11.6
Sound Pressure Level		dB(A)	58	59	60
Moisture Protection		—	IPX4	IPX4	IPX4
Compressor Quantity		set	1	1	1
Refrigerant Oil Model		—	FV68H	FV68H	FV68H
Refrigeration Oil Charge	Gross	L	6.1	6.1	6.1
	Compressor Charge	L	1.1	1.1	1.1
	Others	L	5	5	5
Connecting Pipe	Liquid Pipe	inch	Φ3/8	Φ3/8	Φ1/2
	High Pressure Gas Pipe	inch	Φ5/8	Φ3/4	Φ7/8
	Low Pressure Gas Pipe	inch	Φ3/4	Φ7/8	Φ1-1/8
Connecting Pipe	Liquid	mm	Φ9.52	Φ9.52	Φ12.7
	High Pressure Gas Pipe	mm	Φ15.9	Φ19.05	Φ22.2
	Low Pressure Gas Pipe	mm	Φ19.05	Φ22.2	Φ28.6

Model		—	GMV-VQ72WM/C-W	GMV-VQ96WM/C-W	GMV-VQ120WM/C-W
Dimension (W×H×D)	Outline	inch	52-3/4×30-1/2×66-1/2	52-3/4×30-1/2×66-1/2	52-3/4×30-1/2×66-1/2
	Package	inch	56-1/4×33-3/8×73	56-1/4×33-3/8×73	56-1/4×33-3/8×73
Dimension (W×H×D)	Outline	mm	1340×775×1690	1340×775×1690	1340×775×1690
	Package	mm	1428×848×1855	1428×848×1855	1428×848×1855
Net Weight/Gross Weight		LBS	750/794	750/794	750/794
Net Weight/Gross Weight		kg	340/360	340/360	340/360

NOTES:

① Rating conditions:
Cooling: indoor 26.7°C (80°F) D.B./19.4°C(67°F)W.B. outdoor: 35°C(95°F)D.B.
Heating: indoor 21.1°C (70°F)D.B. outdoor: 8.3°C (47°F)D.B./6.1°C(43°F)W.B

② The total capacity of connected indoor units must be in the range of 50%~135% of the outdoor unit capacity. The relevant parameters can be corrected by referring to the unit capacity correction table.

③ The above parameters are tested based on the standard connection pipe length. In the actual project, the parameters should be corrected referring to the capacity correction for the long connection pipe of units.

④ Specifications may be changed due to product improvement. Please refer to nameplates of the units.

⑤ Sound Pressure Level: Anechoic chamber conversion value, measured in a semi-anechoic room. During actual operation, the value may be higher due to ambient noise and echoes of the installation conditions.

2.1.2 Certified Performance Data

Model	Capacity range	IEER Non-Ducted	IEER Ducted	IEER Mixed	SCHE Non-Ducted	SCHE Ducted	SCHE Mixed	COP @47°F Non-Ducted	COP @47°F Ducted
GMV-VQ72WM/C-W	6	23.80	21.00	22.40	27.00	25.00	26.00	4.40	4.00
GMV-VQ96WM/C-W	8	21.30	22.20	21.75	25.00	25.00	25.00	4.00	3.80
GMV-VQ120WM/C-W	10	21.50	19.80	20.65	25.00	24.00	24.50	3.60	3.58

Model	Capacity range	COP @47°F Mixed	COP @17°F Non-Ducted	COP @17°F Ducted	COP @17°F Mixed	EER Non-Ducted	EER Ducted	EER Mixed
GMV-VQ72WM/C-W	6	4.20	2.25	2.25	2.25	11.80	11.40	11.60
GMV-VQ96WM/C-W	8	3.90	2.25	2.25	2.25	9.90	11.00	10.45
GMV-VQ120WM/C-W	10	3.59	2.25	2.25	2.25	9.00	10.20	9.60

2.2 Parameter of Mode Exchange Box

Model		—	NCHS1D(U)	NCHS2D(U)	NCHS4D(U)	NCHS8D(U)
Numbers of Branches		unit	1	2	4	8
Maximum Numbers of Connectable Idus	Per Branch	unit	8	8	8	8
	Total	unit	8	16	32	64
Maximum Capacity of Connectable Idus	Per Branch	Btu/h	54000	54000	54000	54000
	Total	Btu/h	54000	96000	154000	290000
Power Supply			208/230V~ 60Hz			

Model			—	NCHS1D(U)	NCHS2D(U)	NCHS4D(U)	NCHS8D(U)
Piping Connections	ODU	Liquid Pipe	mm	Φ9.52	Φ9.52	Φ12.7	Φ15.9
			inch	3/8	3/8	1/2	5/8
		High Pressure Gas Pipe	mm	Φ19.05	Φ19.05	Φ22.2	Φ22.2
			inch	3/4	3/4	7/8	7/8
		Low Pressure Gas Pipe	mm	Φ22.2	Φ22.2	Φ28.6	Φ28.6
			inch	Φ7/8	Φ7/8	Φ1-1/8	Φ1-1/8
	IDU	Liquid Pipe	mm	Φ6.35/Φ9.52	Φ6.35/Φ9.52	Φ6.35/Φ9.52	Φ6.35/Φ9.52
			inch	Φ1/4/Φ3/8	Φ1/4/Φ3/8	Φ1/4/Φ3/8	Φ1/4/Φ3/8
		Gas Pipe	mm	Φ12.7/Φ15.9	Φ12.7/Φ15.9	Φ12.7/Φ15.9	Φ12.7/Φ15.9
			inch	Φ1/2/Φ5/8	Φ1/2/Φ5/8	Φ1/2/Φ5/8	Φ1/2/Φ5/8

NOTICE! The number of mode exchange box (N) in a system cannot be more than 20.
N = The number of one-to-one mode exchange box + The number of one-to-two mode exchange box + The number of one-to-four mode exchange box + 2 × The number of one-to-eight mode exchange box.

3. ERELECTRICAL SPECIFICATIONS

3.1 Electrical Specifications of Outdoor Unit

Outdoor units	Power Supply (V/Ph/Hz)	Fuse Capacity (a)	Minimum Circuit Ampacity (A)	Rated Load Ampacity (A)	Maximum Overcurrent Protection (A)
GMV-VQ72WM/C-W	575V 3~ 60Hz	25	19.2	14.8	25
GMV-VQ96WM/C-W	575V 3~ 60Hz	25	19.2	14.8	25
GMV-VQ120WM/C-W	575V 3~ 60Hz	25	19.4	14.8	25

NOTES!

① Copper-core cable which complies with local regulations must be applied.

② According to on-site installation conditions, local regulations must be met.

③ Rated Load Ampacity is based on the following conditions.

Indoor temp. 80°FDB(26.7°CDB)/67°FWB(19.4°CWB)

Outdoor temp. 98°FDB(37.0°CDB)

④ Select wire size based on the value of Minimum Circuit Ampacity.

⑤ Maximum Overcurrent Protection is used to select the circuit breaker.

3.2 Electrical Specifications of Mode Exchange Box

Model	Power Supply (V/Ph/Hz)	Fuse Capacity (a)	Minimum Circuit Ampacity (A)	Maximum Overcurrent Protection (A)
NCHS1D(U)	208V/230V ~ 60Hz	15	10	15
NCHS2D(U)	208V/230V ~ 60Hz	15	10	15
NCHS4D(U)	208V/230V ~ 60Hz	15	10	15
NCHS8D(U)	208V/230V ~ 60Hz	15	10	15

NOTES!

① Copper-core cable which complies with local regulations must be applied.

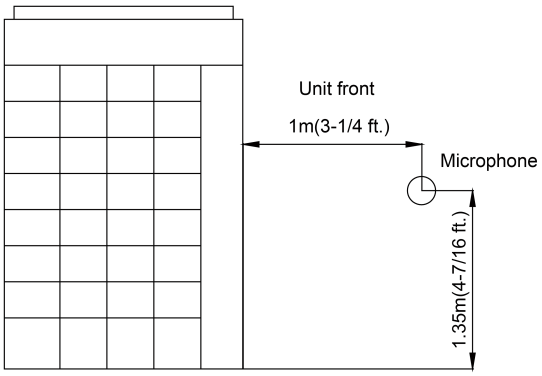
② According to on-site installation conditions, local regulations must be met.

4. UNIT NOISE CURVES

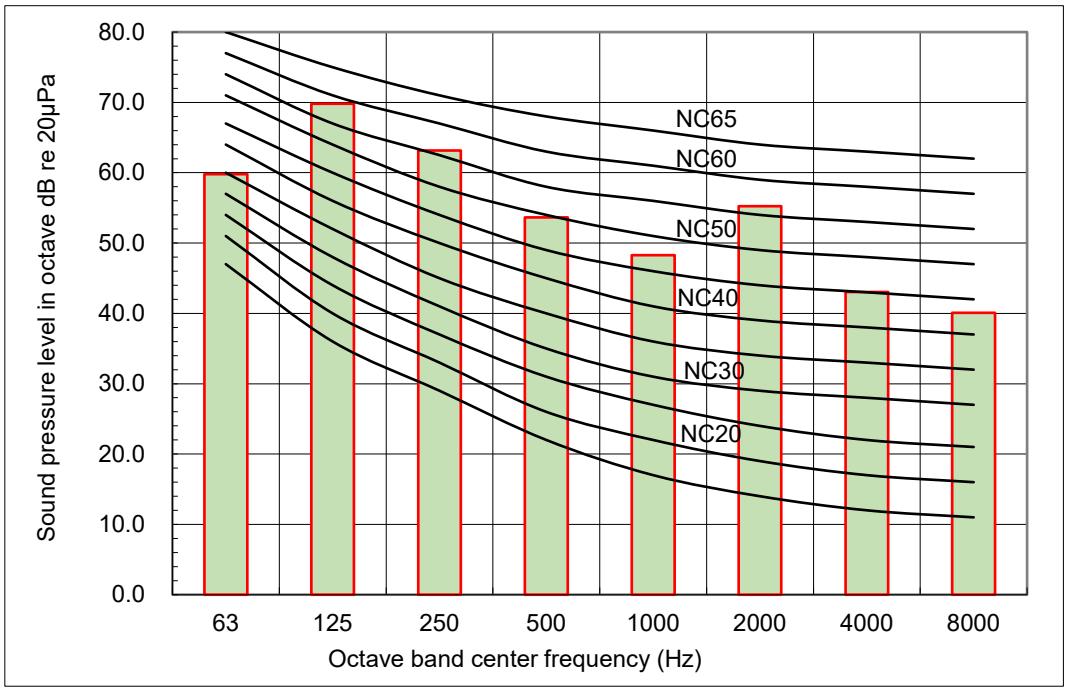
Test method for noise:

Test environment: Semi-anechoic room, the noise will be a little bit higher in actual operation due to environmental change.

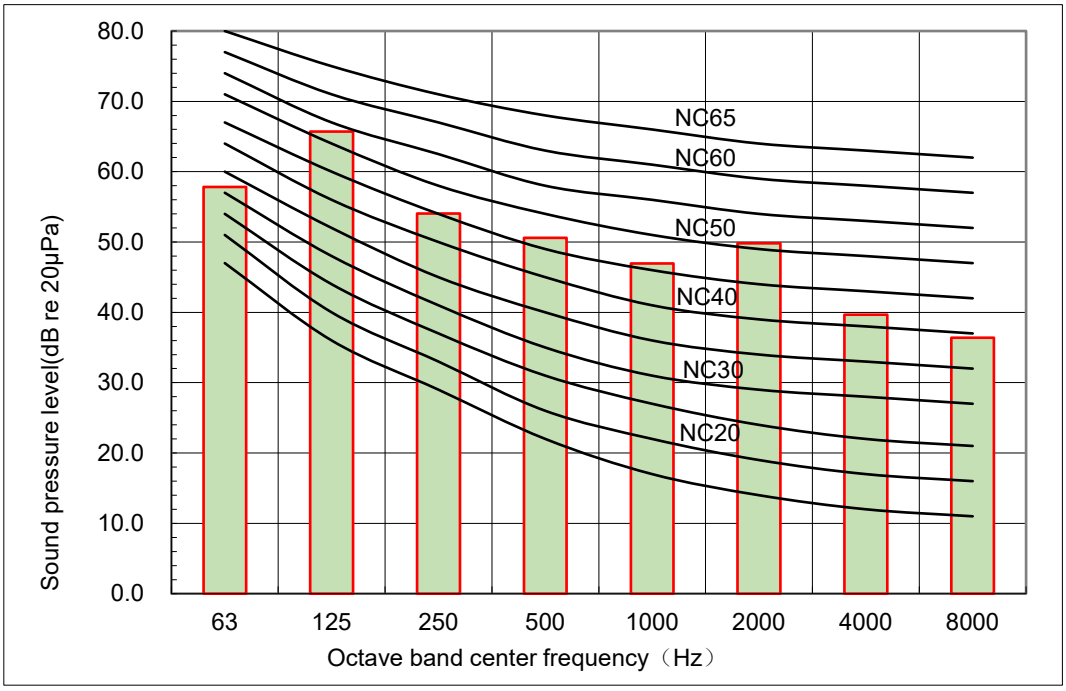
Noise curve test point is as follow:



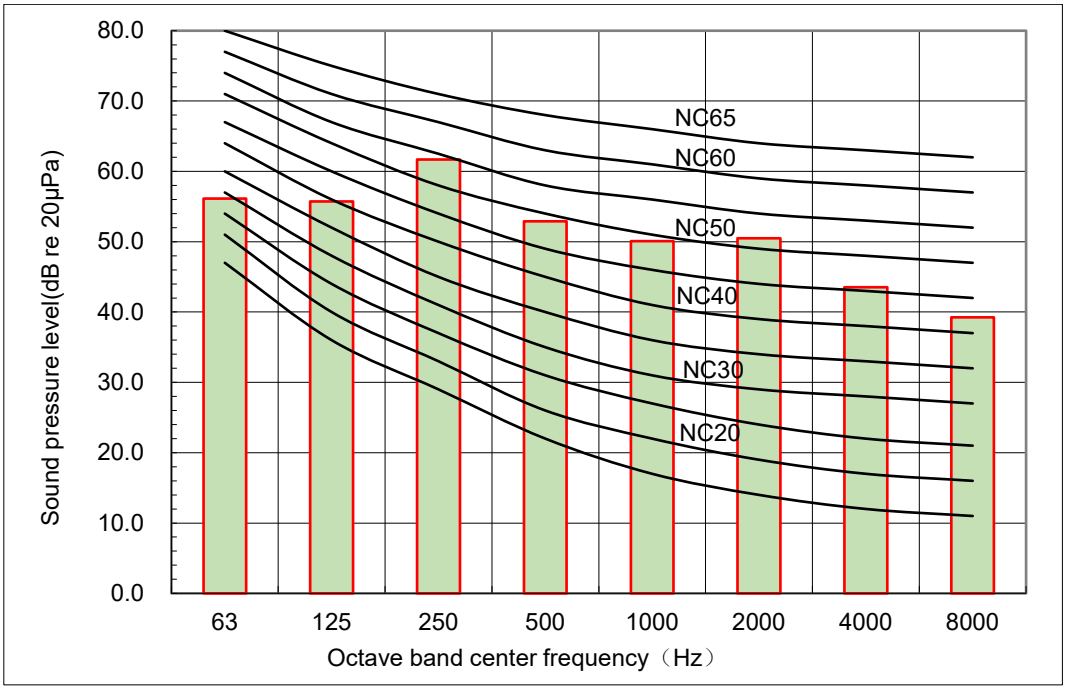
GMV-VQ72WM/C-W



GMV-VQ96WM/C-W



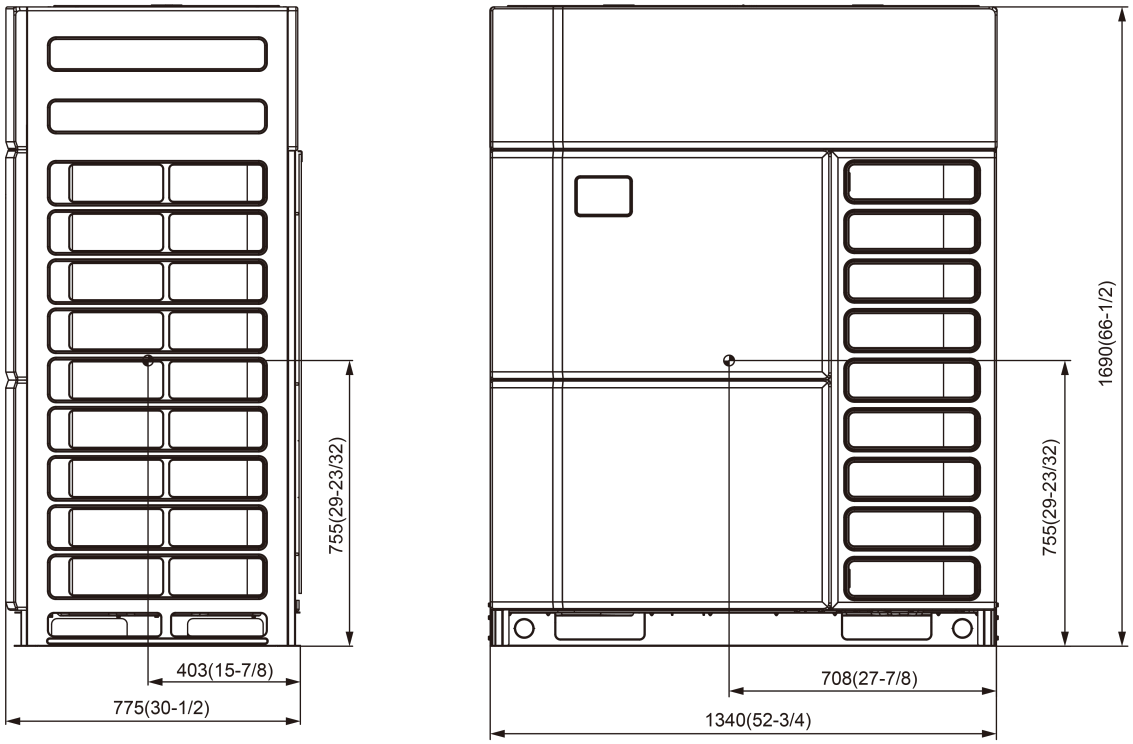
GMV-VQ120WM/C-W



5. UNIT GRAVITY CENTER DIAGRAMS

GMV-VQ72WM/C-W,GMV-VQ96WM/C-W,GMV-VQ120WM/C-W

Unit:mm(inch)

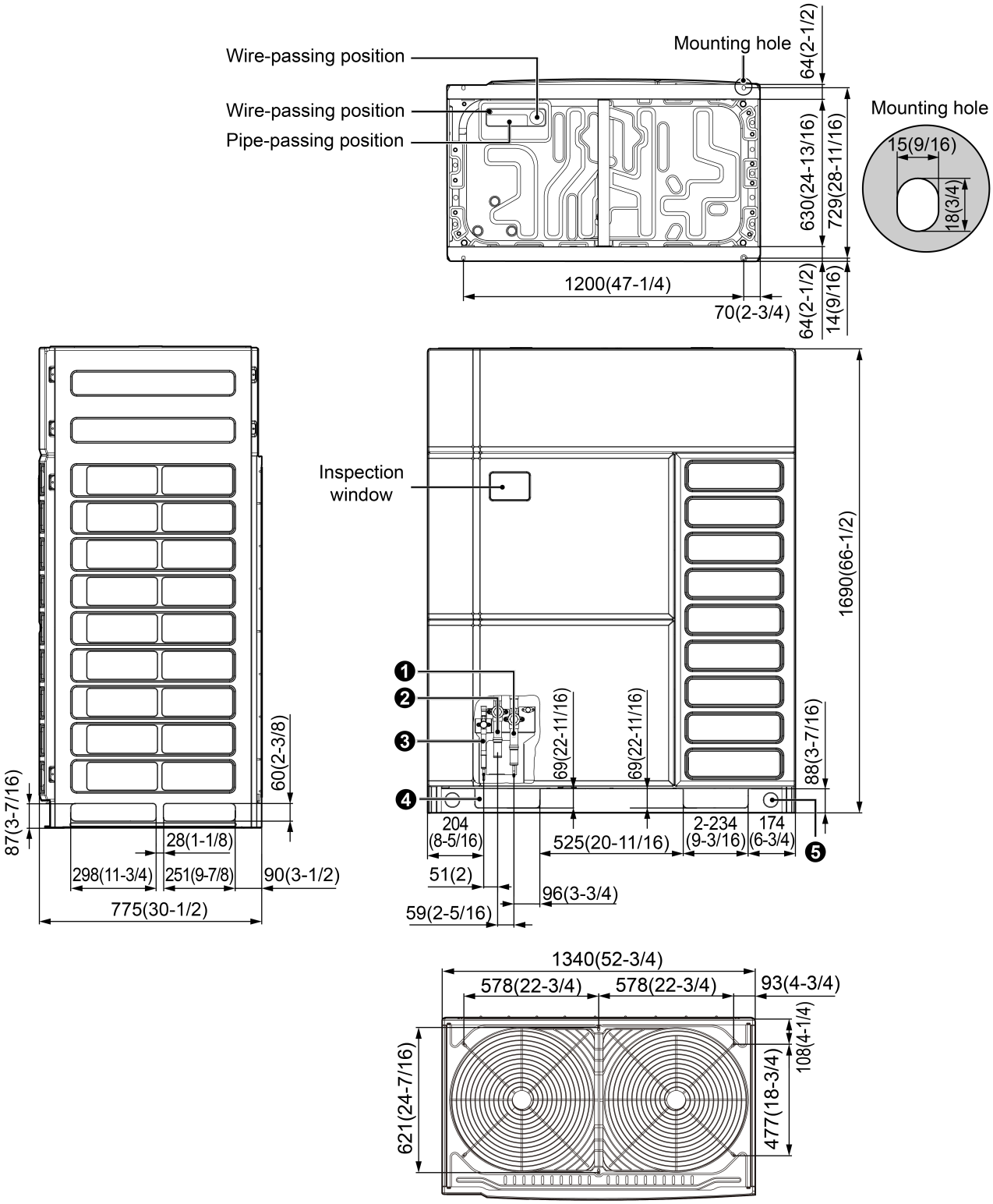


6. UNIT INSTALLATION SPACE REQUIREMENTS

6.1 Outline Dimension and Installation Hole

GMV-VQ72WM/C-W, GMV-VQ96WM/C-W, GMV-VQ120WM/C-W

Unit:mm(inch)



Unit: mm(inch)

No.	Name	GMV-VQ72WM/C-W	GMV-VQ96WM/C-W	GMV-VQ120WM/C-W	Remark
①	Low pressure gas pipe	Φ19.05(3/4)	Φ22.2(7/8)	Φ28.6(1-1/8)	For Heat Recovery Mode
②	High pressure gas pipe	Φ15.9(5/8)	Φ19.05(3/4)	Φ22.2(7/8)	
③	Liquid pipe	Φ9.52(3/8)	Φ9.52(3/8)	Φ12.7(1/2)	
②	Gas pipe	Φ19.05(3/4)	Φ22.2(7/8)	Φ28.6(1-1/8)	For Heat Pump Mode
③	Liquid pipe	Φ9.52(3/8)	Φ9.52(3/8)	Φ12.7(1/2)	
④	Pipe and wiring passing hole (L×W)	234×69 (9-3/16×2-11/16)	234×69 (9-3/16×2-11/16)	234×69 (9-3/16×2-11/16)	/
⑤	Hoist hole	Φ50(1-15/16)	Φ50(1-15/16)	Φ50(1-15/16)	/

6.2 Location Selection Cautions for ODU

(1) Install the unit at a place where can withstand the weight of the unit and make sure the unit would not shake or fall off.

(2) Fully consider the influence of strong winds, typhoons, earthquakes and other natural disasters when selecting the installation site, and strengthen the installation.

(3) Avoid the influence from flammable, explosive, corrosive gases and exhaust gases.

(4) Ensure that there is a certain space for heat exchanging and maintenance operation.

(5) Outdoor units and indoor units should be as close as possible to minimize the length and angle of the cooling pipes.

(6) Do not allow children to approach the unit. Preventive measures should be taken to prevent children from accessing the unit.

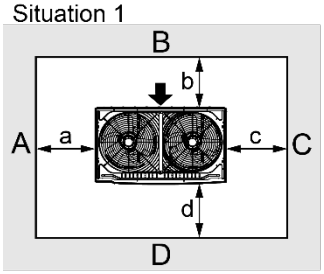
(7) The unit should not be installed at places with corrosive gas or high voltage fluctuations, such as on vehicles or ships.

(8) Do not install the unit at the place where is close to the equipment that generates electromagnetic waves. which can influence the control system and cause operation error.

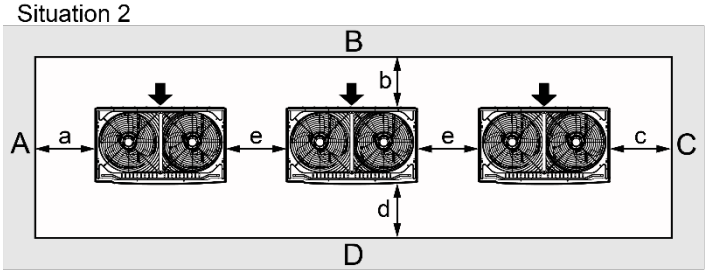
6.2.1 Installation Space Requirements of ODU

Maintenance space and unit ventilation should be considered when installing the unit. Installation method should based on the actual situation.

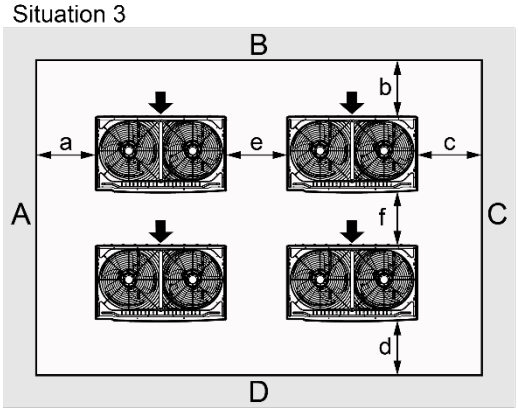
Situation 1



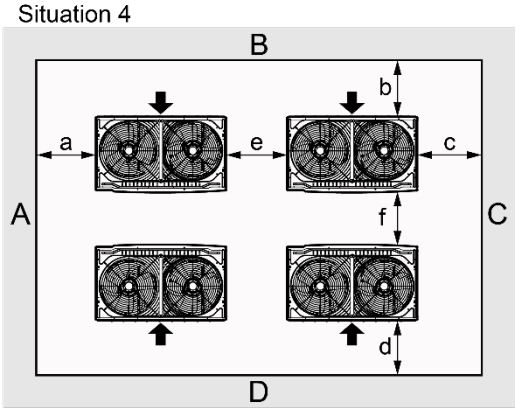
Situation 2



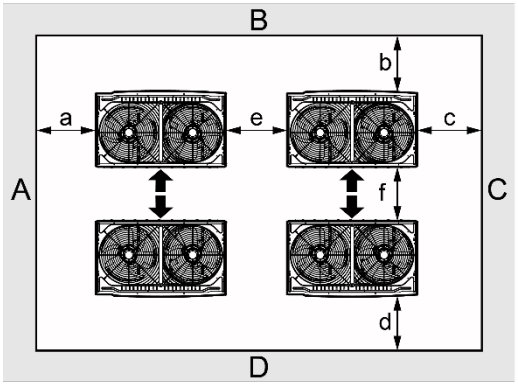
Situation 3



Situation 4



Situation 5



Unit:mm(inch)

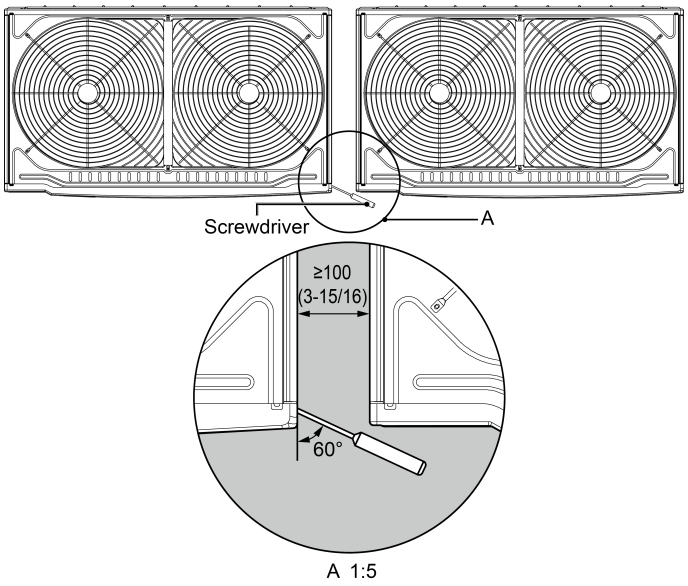
Status	A+B+C+D	A+B
Status 1	a≥300(11-13/16) b≥100(3-15/16) c≥100(3-15/16) d≥500(19-11/16)	a≥300(11-13/16) b≥300(11-13/16)
Status 2	a≥300(11-13/16) b≥100(3-15/16) c≥100(3-15/16) d≥500(19-11/16) e≥100(3-15/16)	a≥300(11-13/16) b≥300(11-13/16) e≥400(15-3/4)
Status 3	a≥300(11-13/16) b≥100(3-15/16) c≥100(3-15/16) d≥500(19-11/16) e≥200(7-7/8) f≥600(23-5/8)	—

Status	A+B+C+D	A+B
Status 4	a≥300(11-13/16) b≥100(3-15/16) c≥100(3-15/16) d≥100(3-15/16) e≥200(7-7/8) f≥500(19-11/16)	—
Status 5	a≥300(11-13/16) b≥500(19-11/16) c≥100(3-15/16) d≥500(19-11/16) e≥200(7-7/8) f≥900(35-7/16)	—

NOTES:

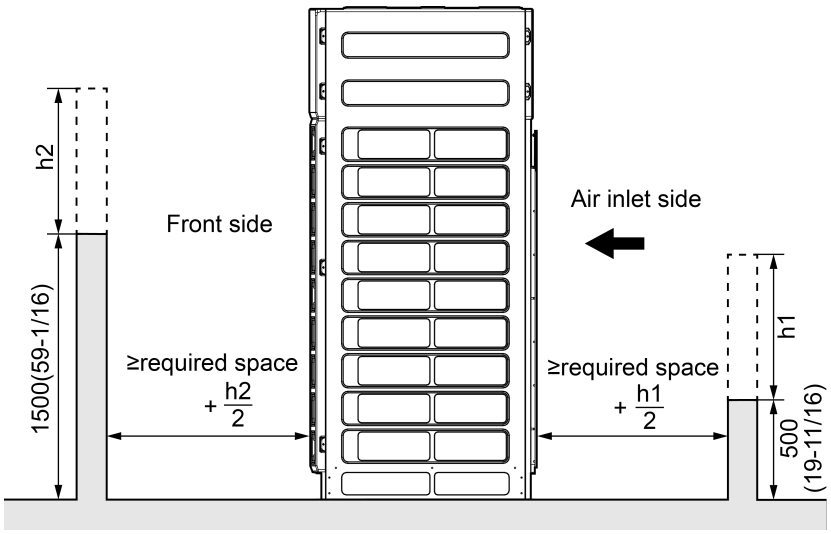
1) The installation space shown above is based on the cooling operation when the outdoor temperature is 35℃(95℉). If the outdoor temperature exceeds 35℃(95℉) or the heat load is large, and all outdoor units are operating at an excess capacity, the space at the suction side should be increased.
2) When disassembling or installing the unit, the operation may be affected by other obstacles, and the distance from the unit to the wall's surface may be appropriately increased.
3) When two or more units are installed side by side, the operation may be affected by the adjacent units. The distance between the two adjacent units is "e" should be≥100mm(3-15/16 inch).

Unit:mm(inch)



4) If the unit is installed in the space with walls at the front, back, left and right, the wall height at the left and right side of the unit shall have no limit; wall height at return air side is below 500mm(19-11/16 inch), and at the front side is below 1500mm(59-1/16 inch). If the unit is installed in a space with only two walls A and B (B is at the air inlet side), the heights of A and B are both not limited.
5) If the wall exceeds the above value, increase the space as follows.

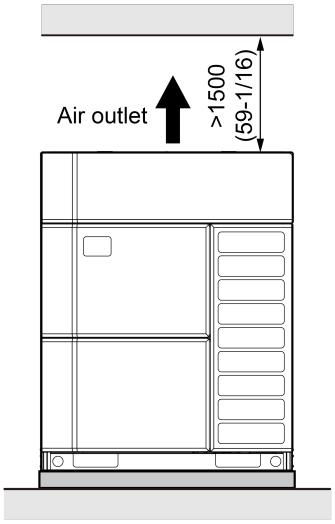
Unit:mm(inch)

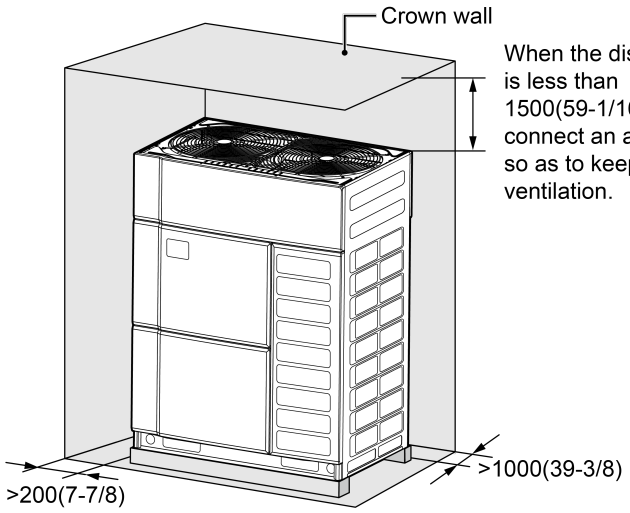


6) If there are any obstacles above the unit, see the requirements below:

Generally, the obstacle above the unit is required to be at least 3000mm(118-1/8 inch) away from the top of unit. If the front, back, left and right sides of the unit are open space, the obstacle is required to be at least 1500mm (59-1/16 inch) away from the top of unit, as shown in the figure below. Meanwhile, if the distance between the unit and the above obstacle is less than 1500mm (59-1/16 inch), or if the space around the unit is not open, an exhaust duct should be connected for good ventilation.

Unit:mm(inch)



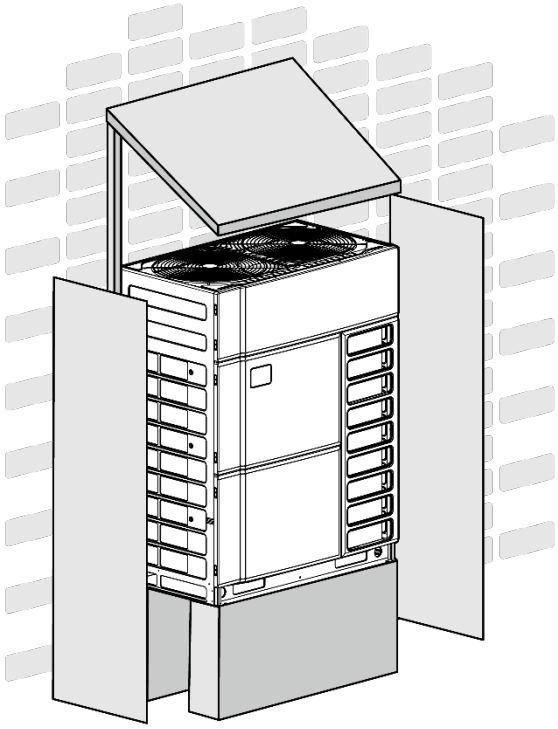


6.2.2 Seasonal Wind Considerations

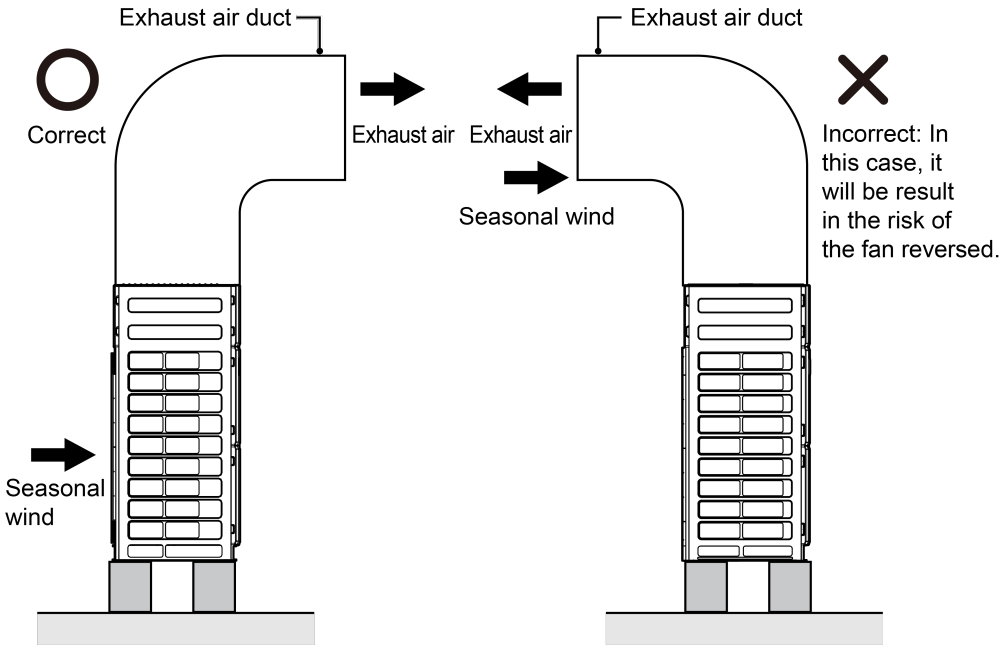
(1) Anti-monsoon installation requirements for unit not connecting exhaust duct.

When the exhaust duct is not connected, a protective cover should be installed according to the seasonal wind circumstances.

NOTE: The sketch below is for reference only, it may differ from actual product installation.



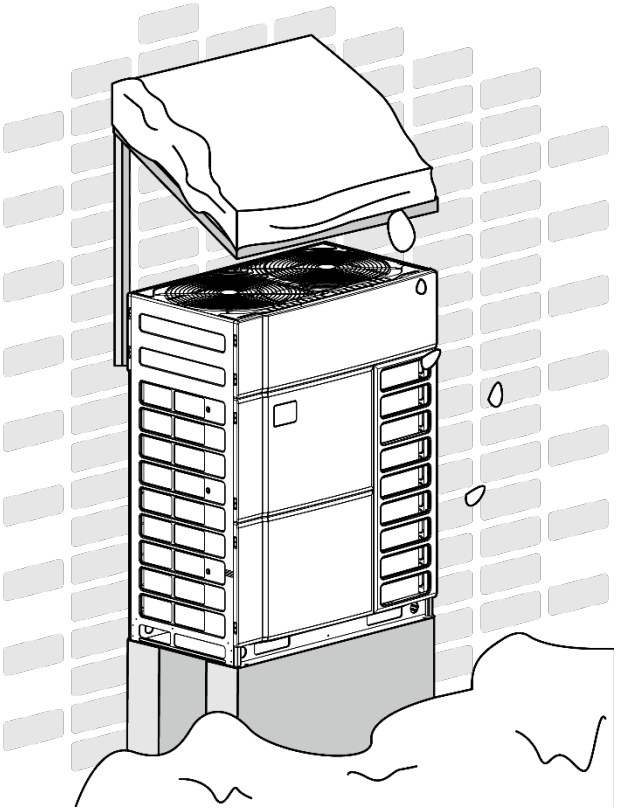
(2) Anti-monsoon installation requirements for unit connecting exhaust duct:



6.2.3 Snowy Weather Considerations

A base with certain height should be installed when installing the unit for snowy weather considerations.

NOTE: The sketch below is only for reference. it may differ from actual product installation.



6.2.4 Installation Space Requirements for Mechanical Floor

When the outdoor unit is installed in the mechanical floor, it needs to connect an air exhaust duct.

The opening ratio of the shutters in the mechanical floor is not less than 60%, and the horizontal angle of louvers is less than 20°.

6.2.5 Diagram of Installation Foundation

The concrete foundation of the ODU must be strong enough. Ensure that the drainage is smooth and that the ground drainage or floor drainage is not affected.

Requirements on the concrete foundation are as follows:

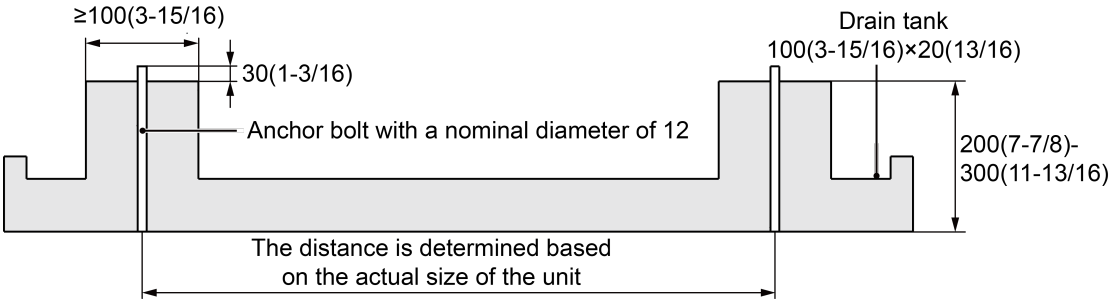
(1) The concrete foundation must be flat and have enough rigidity and strength to undertake the unit's weight during running. The height of the foundation is 200 mm(7-7/8inch) to 300 mm(11-13/16inch), which is determined based on the size of the unit. If it is installed in place with large snowfall, increase the height of the foundation so that the air inlet side is not buried by snow.

(2) Build a drainage ditch around the foundation to drain the condensate.

(3) If the air conditioner is installed on the roof, check the intensity of the building and take waterproof measures.

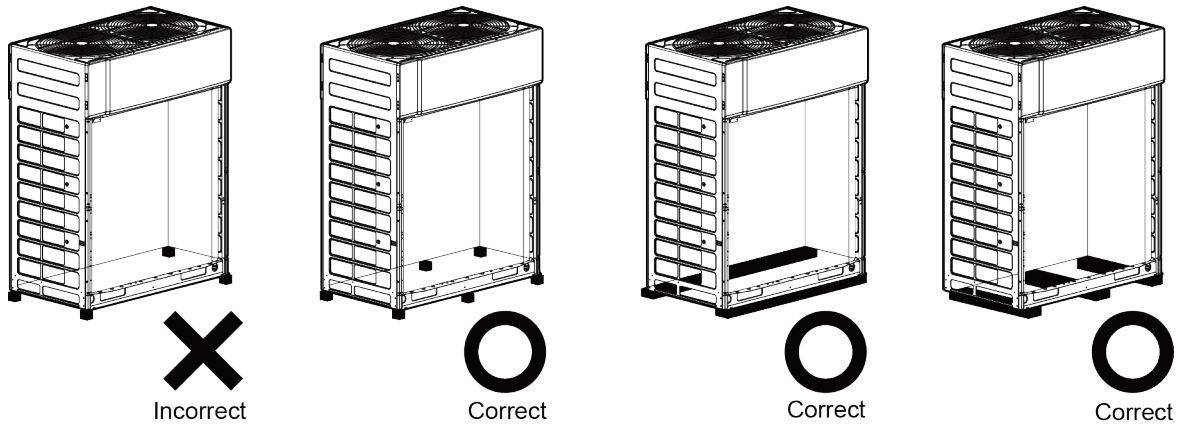
(4) If a u-steel foundation is adopted, the structure must be designed with sufficient rigidity and strength.

Unit:mm(inch)



6.2.6 Shock Absorption Requirements

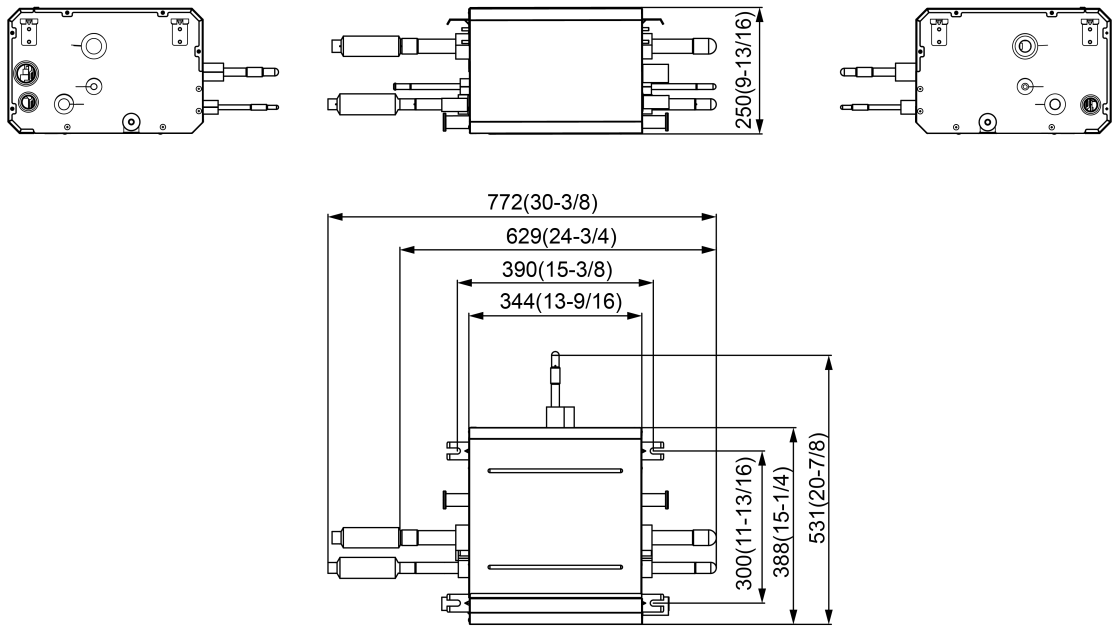
The outdoor unit should be firmly fixed. Thick rubber sheets or corrugated rubber damping rubber mats with a thickness of 20mm(13/16 inch) and a width of 100mm(3-15/16 inch) at least should be placed between the unit and the foundation. The installation requirements are shown as follows.



6.3 Outline Dimension and Installation of Mode Exchange Box

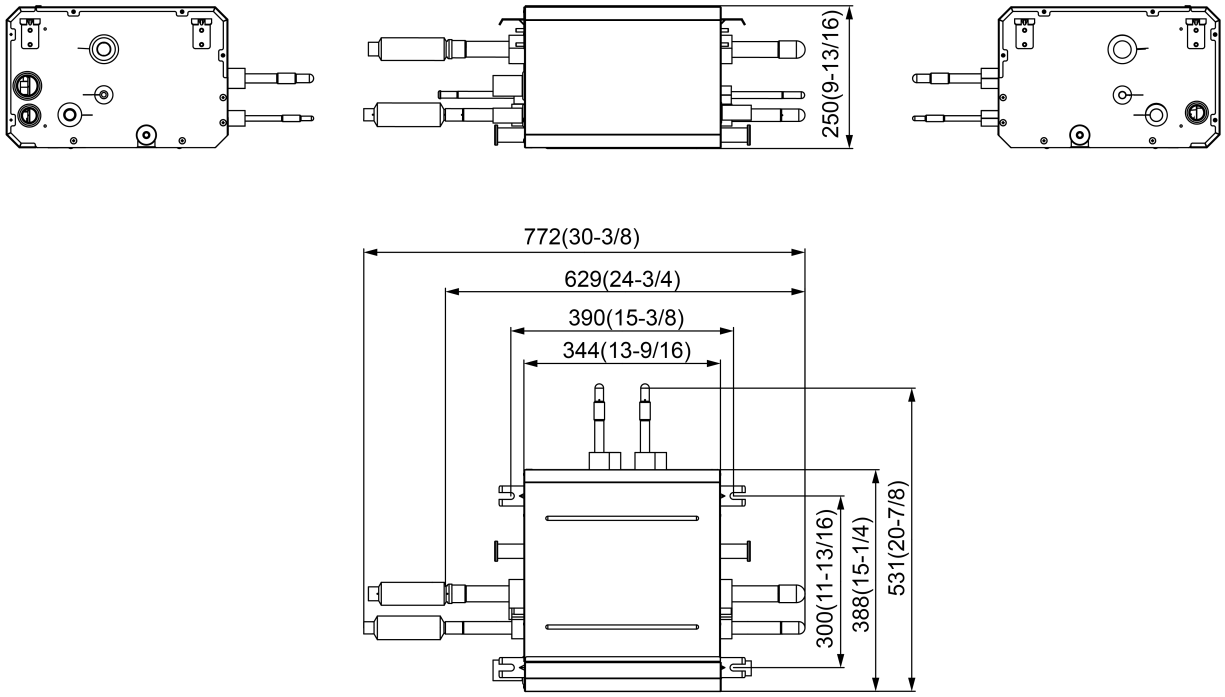
NCHS1D(U) outline and installation dimension:

Unit:mm(inch)



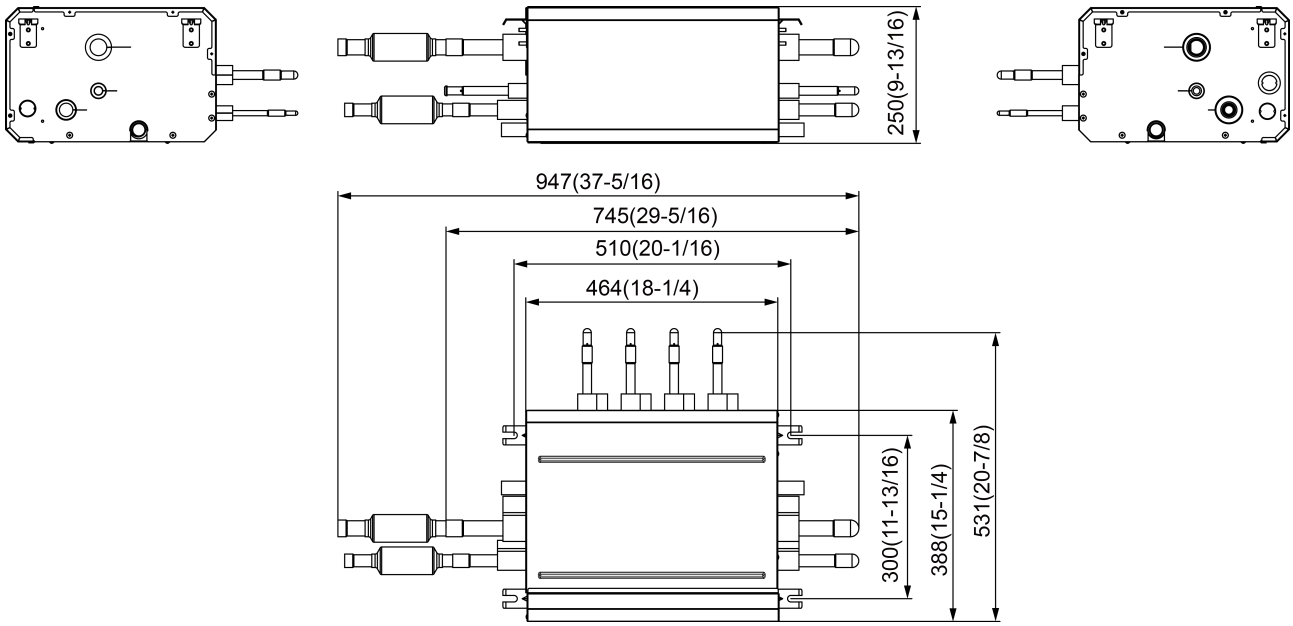
NCHS2D(U) outline and installation dimension:

Unit:mm(inch)



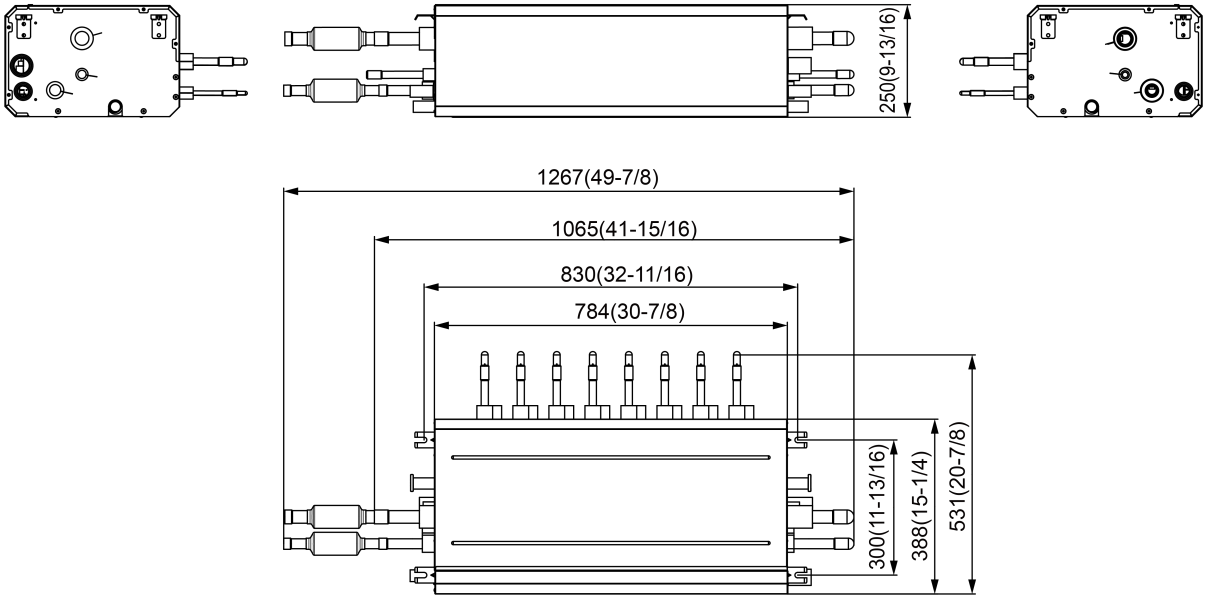
NCHS4D(U) outline and installation dimension:

Unit:mm(inch)



NCHS8D(U) outline and installation dimension:

Unit:mm(inch)

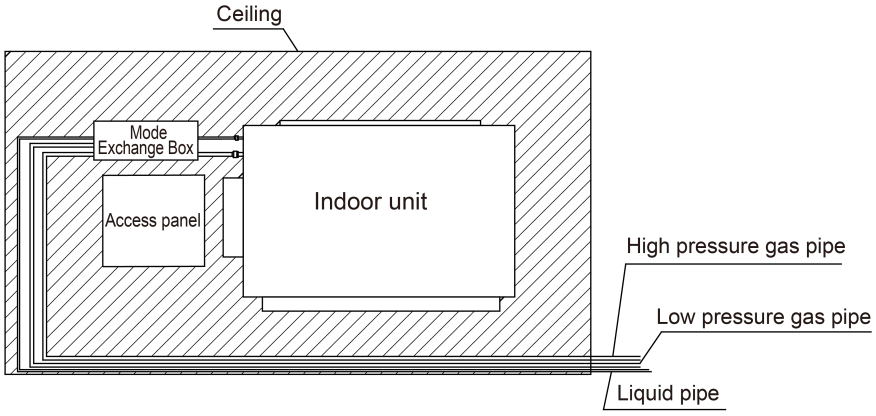


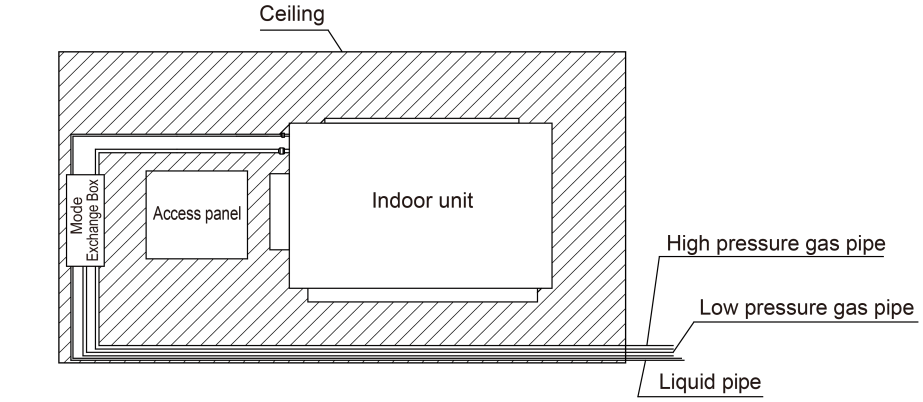
6.3.1 Dimension of Mode Exchange Box and Installation Hole Position

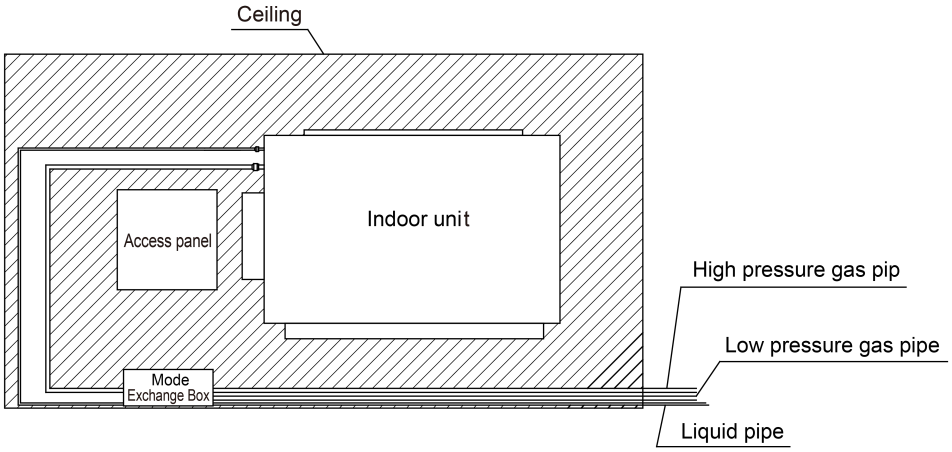
After the unit is installed, a access panel should be reserved at the electric box side of unit for maintenance. The position of access panel should be lower than the lowest size of unit.

The Mode Exchange Box shall be installed near the access panel or air return of indoor unit. (Note: if it is installed near the air return, please make sure not to affect air return and maintenance).

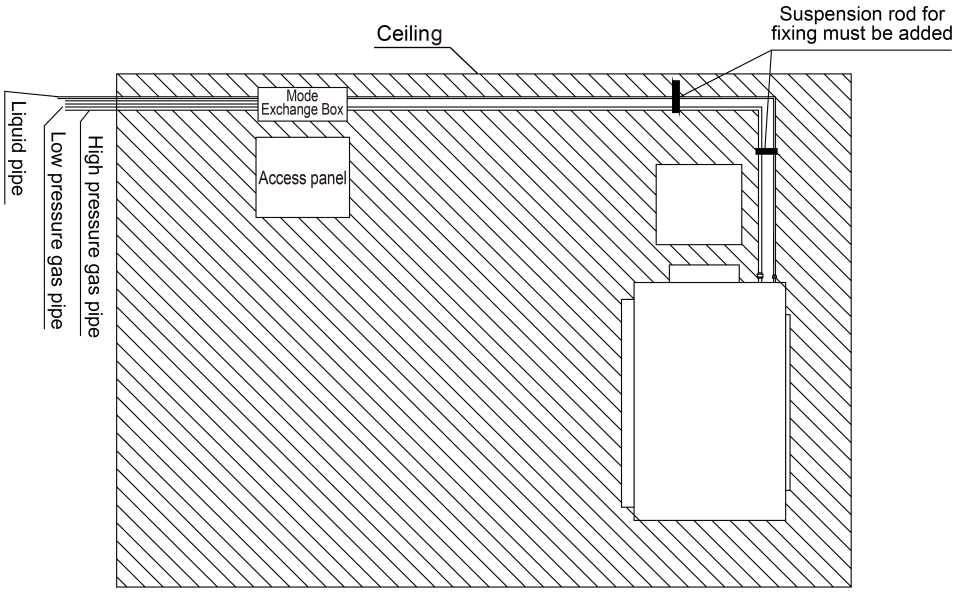
The following pictures detailed describe the installation of access panel and Mode Exchange Box:







Due to the structure of installation space, the Mode Exchange Box needs a access panel. Please reserve another access panel for Mode Exchange Box.



6.3.2 Installation Space Requirements

(1) As there's noise during operation, the unit should be installed at the places where the noise won't affect your daily life, such as equipment room or corridor. Do not install the unit at the work or rest room or other places where the noise will affect your work or rest, such as bedroom, meeting room, ward, etc.

(2) Avoid places where rainwater, damp air or the corrosive gas may enter, otherwise it may cause unit damage or electric shock.

(3) Make sure the hanger can hold the weight of unit.

(4) Water can be drained out from the drainage hose conveniently.

(5) No obstacles at outlet and inlets. Keep the air ventilation in good condition.

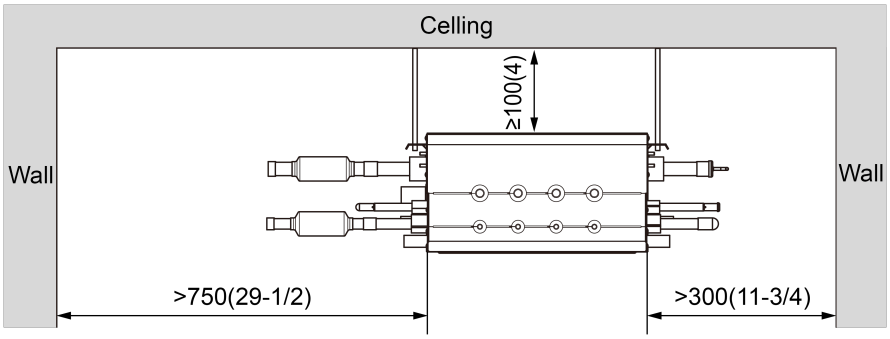
(6) Connect either left or right side of converter to outdoor unit for piping according to installation space, as shown in the following figure, the space used for maintenance should be ensured.

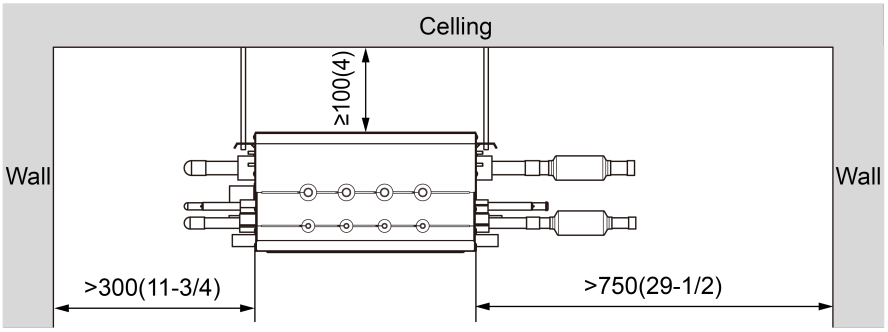
(7) Please keep the unit away from those positions where there's thermal source, inflammable gas and smog.

(8) The unit is the cassette type (concealed type).

(9) Indoor unit, outdoor unit, mode exchange box power cord and connection cord should be kept 1m above away from TV and radio for preventing graphic interference and noise. (Even the distance is 1m, if there's strong electric wave, there's still noise).

Unit:mm(inch)





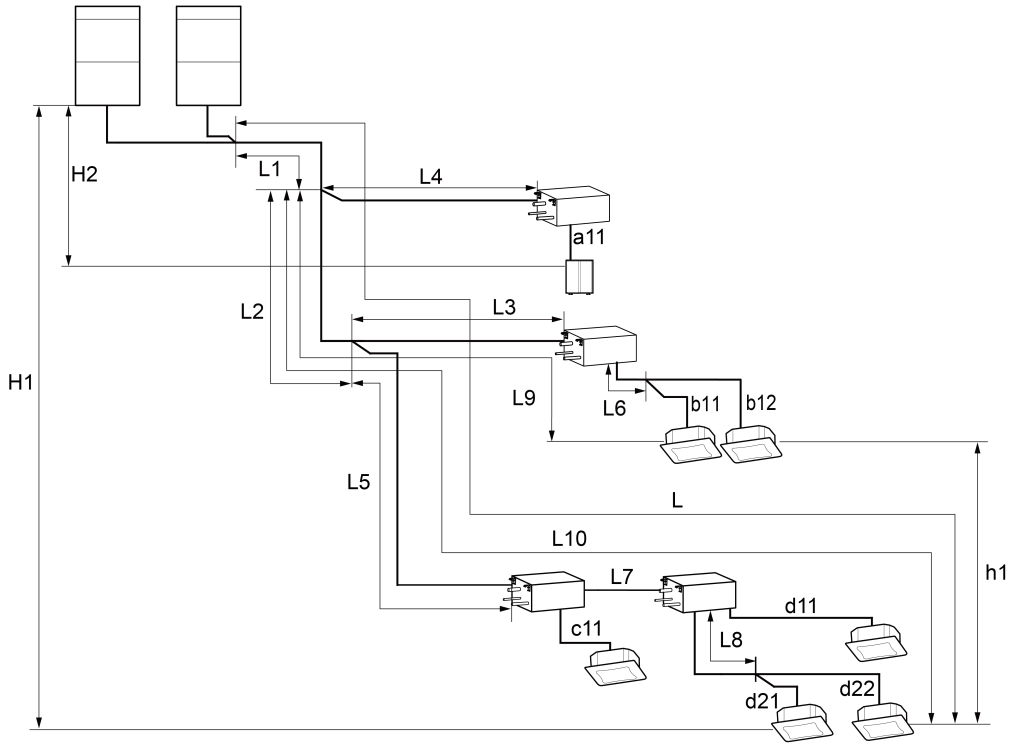
NOTICE
① The installation of the unit must comply with national and local safety regulations.
② Users can't install the unit by themselves, because the installation quality will affect the operation directly. After purchasing the unit, please contact with dealer. The unit must be installed and debugged by professional installer.
③ The unit can be put through power only after all installation work is finished.
④ Lift and shift the Mode Exchange Box by grasping the hanger bracket. Do not grasp the pipeline, otherwise the unit will be damaged.

7. PIPING DESIGN

7.1 Allowable Pipe Length and Height Difference Among Indoor and Outdoor Units

Y type branch is adopted to connect indoor and outdoor units. Connecting method is shown in the figure below.

7.1.1 Maximum Allowable Pipe Length and Height Difference of Heat Recovery System



L10: Length from the first branch to the farthest IDU;

L11: Length from the first branch to the nearest IDU;

The equivalent length of outdoor branch is 0.5m(1-5/8 ft.) and the equivalent length of indoor branch is 0.5m(1-5/8 ft.) .

Item		Length(m)(ft.)	Fitting Pipe
Total length (actual length) of pipe		≤1000(3280-3/4)	L1+(L2+L3+L4+…+L8)×2+a11+a12+b21+b22+…+d21+d22
Length of pipe between outdoor unit and indoor unit	Actual length	≤200(656-1/4)	L
	Equivalent length	≤240(787-1/2)	—
Allowable equivalent length from the first branch to the indoor unit*1		≤120(393-3/4)	L2+L5+L7+L8+d22
Length between tandem mode exchange boxes		≤10(32-3/4)	L7
Height difference between outdoor unit and indoor unit	Outdoor unit at upper	≤100(328-1/4)	H1*2
	Outdoor unit at lower	≤110(360-3/4)	
Height difference between outdoor unit and hydro box	Outdoor unit at upper	≤40(131-1/4)	H2
	Outdoor unit at lower	≤40(131-1/4)	
Maximum height difference between indoor units:h1		≤30(98-1/2)	h1
Length from the mode exchange box to the indoor unit with capacity over 48500Btu/h		≤20(65-5/8)	—

NOTICE!

(1) Normally, the pipe length from the first indoor branch to the farthest indoor unit is 40m(131-1/4 ft.). when those three conditions as below are achieved, the length can reach 120m(393-3/4ft).

1)Actual length of pipe in total:

L1+(L2+L3+L4+…+L8)×2+a11+a12+b21+…+d21+d22≤1000m(3280-3/4ft.);

2)Length between each IDU and its nearest branch:

a11,a12,b21,b22,b31,c11,d11,d21,d22≤40m(131-1/4ft.).

3)Difference between the pipe length from the first indoor branch to the farthest indoor unit and the pipe length from the first indoor branch to the nearest indoor unit: L10-L9≤40m(131-1/4ft.).

(2) When the ODU is at the up side and the height drop exceeds 50m(164ft.), please contact the engineer.

When the ODU is at the up side and the height drop between the IDU and ODU is more than 50m(164ft.), the liquid pipe size from the ODU to the first manifold of IDU must be enlarged.

When the ODU is at the lower side and the height drop between the IDU and ODU is more than 40m(131-1/4ft.), the liquid pipe size from the ODU to the first manifold of IDU must be enlarged.

(3) When the height drop among IDUs is more than 15m(49-1/4ft.), the liquid pipe size from the ODU to the first manifold of IDU must be enlarged one size extra.

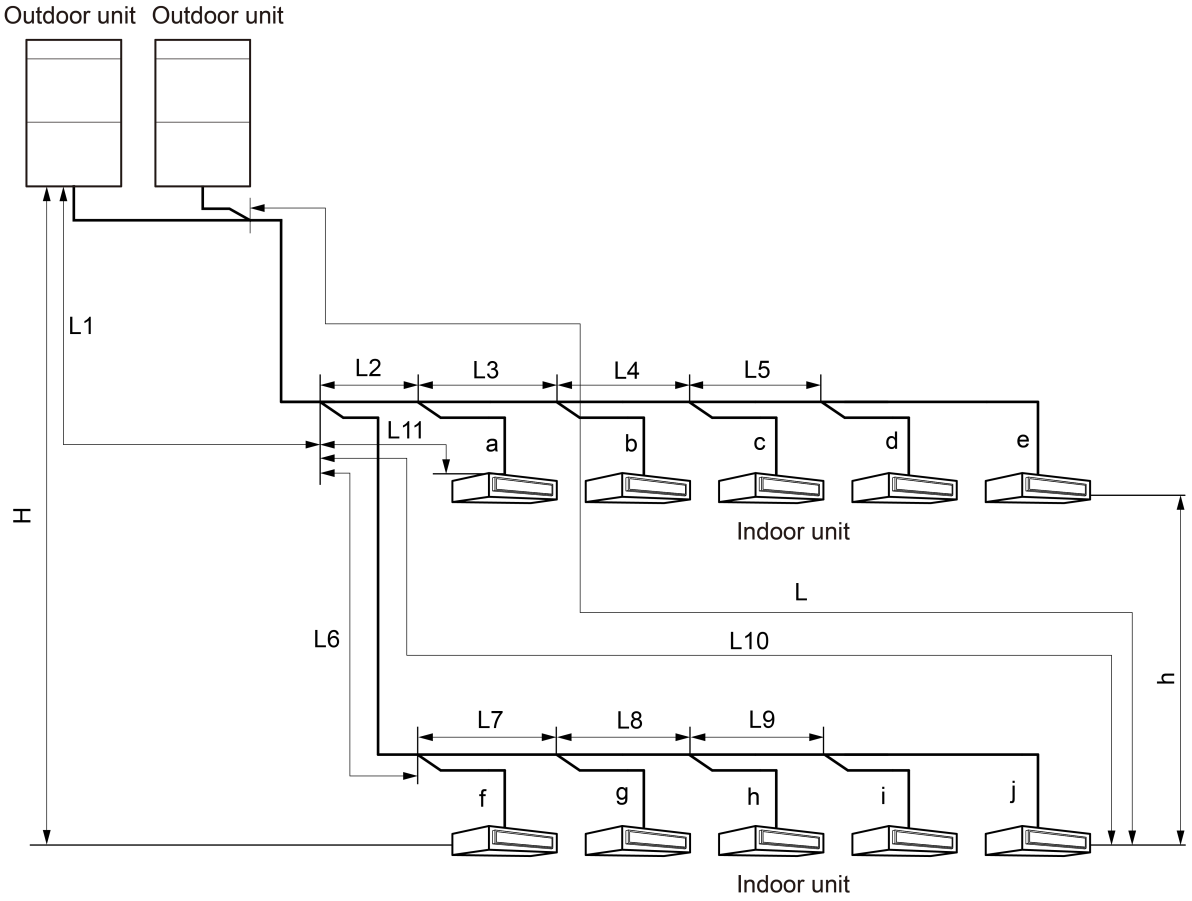
(4) When the maximum length of the main pipe from outdoor unit to the first indoor branch ≥90m(295-1/4ft.), then adjust the size of high pressure gas pipe, gas pipe and liquid pipe of main pipe according to the following table.

Outdoor Model	Size of connection between outdoor unit and the first indoor branch		
	Low pressure gas pipe mm(inch)	Liquid pipe mm(inch)	High pressure gas pipe mm(inch)
GMV-VQ72WM/C-W	No need to enlarge pipe size	No need to enlarge pipe size	No need to enlarge pipe size
GMV-VQ96WM/C-W	No need to enlarge pipe size	Φ12.7(1/2)	Φ22.2(7/8)
GMV-VQ120WM/C-W	No need to enlarge pipe size	Φ15.9(5/8)	Φ28.6(1-1/8)

(5) If the liquid pipe is enlarged for a situation from (2) ~ (4), please do not enlarged any more.

(6) If the length between an IDU and its nearest branch is above 15m(49-1/4ft.), then increase the size of the liquid pipe (only for the pipe size that is ≤6.35mm(1/4 inch)) and gas pipe (only for the pipe size that is ≤9.52mm(3/8 inch)) of IDU.

7.1.2 Allowable Pipe Length and Height of Heat Pump System



L10: Length from the first branch to the farthest IDU;

L11: Length from the first branch to the nearest IDU;

Equivalent length of branch of IDU is 0.5m(1-5/8ft.).

—		Length(m)(ft.)	Fitting Pipe
Total length (actual length) of pipe		≤1000(3280-3/4)	L1+(L2+L3+L4+…+L9)×2+a+b+c+…+i+j
Length of pipe between outdoor unit and indoor unit	Actual length	≤200(656-1/4)	L
	Equivalent length	≤240(787-1/2)	—
Allowable equivalent length from the first branch to the indoor unit*1		≤120(393-3/4)	L6+L7+L8+L9+j
Height difference between outdoor unit and indoor unit	Outdoor unit at upper	≤100(328-1/4)	H*2
	Outdoor unit at lower	≤110(360-3/4)	
Maximum height difference between indoor units:h1		≤30(98-1/2)	h

NOTICE!

(1) Normally, the pipe length from the first indoor branch to the farthest indoor unit is 40m(131-1/4ft.). Under the following conditions, the length can reach 120m(393-3/4ft).

1)Actual length of pipe in total:

L1+(L2+L3+L4+…+L9)×2+a+b+c+…+i+j≤1000m(3280-3/4ft.);

2)Length between each IDU and its nearest branch a,b,c,d,e,f,g,h,I,j≤40m(131-1/4ft.).

3)Difference between the pipe length from the first indoor branch to the farthest indoor unit and the pipe length from the first indoor branch to the nearest indoor unit: L10-L11≤40m(131-1/4ft.).

(2) When the ODU is at the up side and the height drop exceeds 50m(164ft.), please contact the engineer.

When the ODU is at the up side and the height drop between the IDU and ODU is more than 50m(164ft.), the liquid pipe size from the ODU to the first manifold of IDU must be enlarged.

When the ODU is at the lower side and the height drop between the IDU and ODU is more than 40m(131-1/4ft.), the liquid pipe size from the ODU to the first manifold of IDU must be enlarged.

(3) When the height drop among IDUs is more than 15m(49-1/4ft.), the liquid pipe size from the ODU to the first manifold of IDU must be enlarged one size extra.

(4) When the maximum length of the main pipe from outdoor unit to the first indoor branch≥90m(295-1/4ft.), then adjust the size of high pressure gas pipe, gas pipe and liquid pipe of main pipe according to the following table.

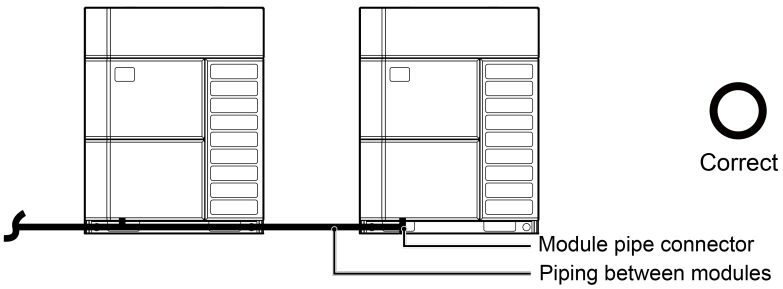
Outdoor Model	Size of connection between outdoor unit and the first indoor branch	
	Gas pipe mm(inch)	Liquid pipe mm(inch)
GMV-VQ72WM/C-W	No need to enlarge pipe size	No need to enlarge pipe size
GMV-VQ96WM/C-W	No need to enlarge pipe size	Φ12.7(1/2)
GMV-VQ120WM/C-W	No need to enlarge pipe size	Φ15.9(5/8)

(5) If the liquid pipe is enlarged for a situation from (2) ~ (4), please do not enlarged any more.

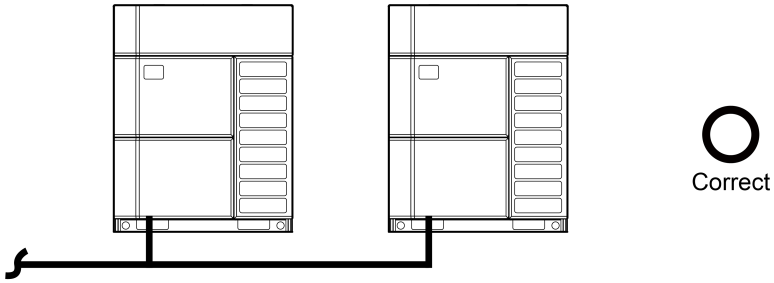
(6) If the length between an IDU and its nearest branch is above 15m(49-1/4ft.), then increase the size of the liquid pipe (only for the pipe size that is≤6.35mm(1/4 inch)) and gas pipe (only for the pipe size that is≤9.52mm(3/8 inch)) of IDU.

7.2 Installation Requirements for Pipes Among Outdoor Units

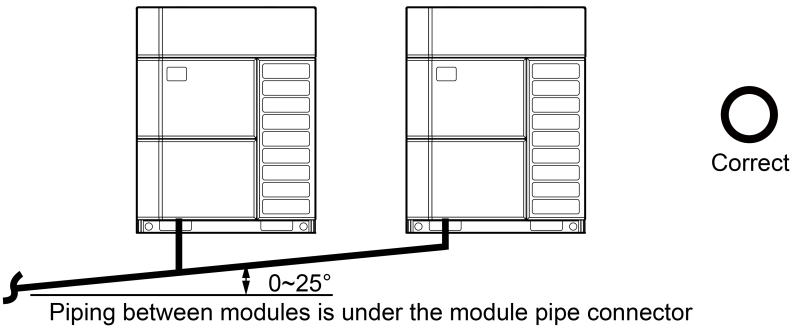
(1) The pipe among the outdoor modules must be the same level with the modules pipe connector or under the modules pipe connector. Otherwise, the refrigeration oil will remained in the pipe.



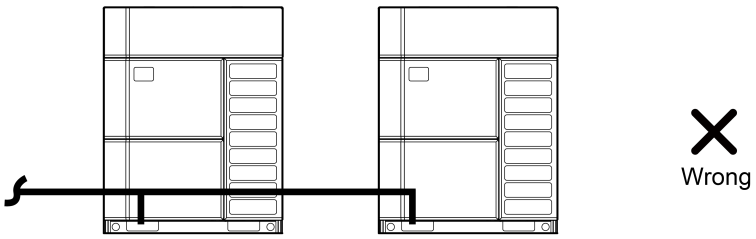
Piping between modules is at the same level with the module pipe connector.



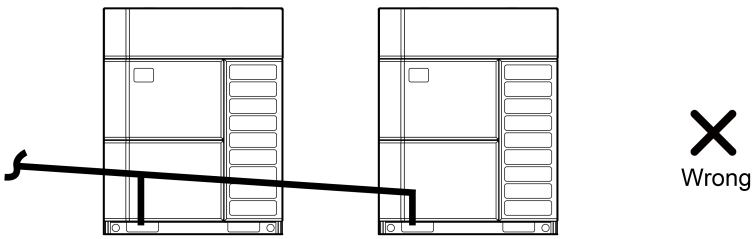
Piping between modules is under the module pipe connector and does not incline.



Piping between modules is under the module pipe connector and increases upwards with an angle of 0° to 25°.



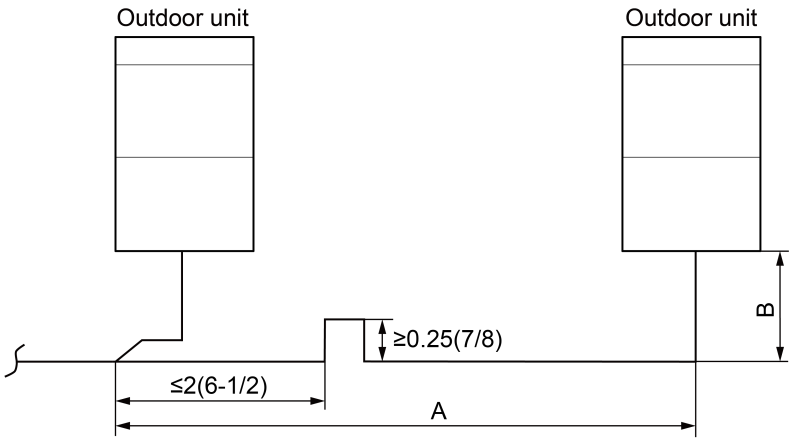
Piping between modules is above the module pipe connector.



Piping between modules is above the module pipe connector.

(2) The level difference and the length of the pipe between the outdoor units shown as follows.

Unit: m(ft.)

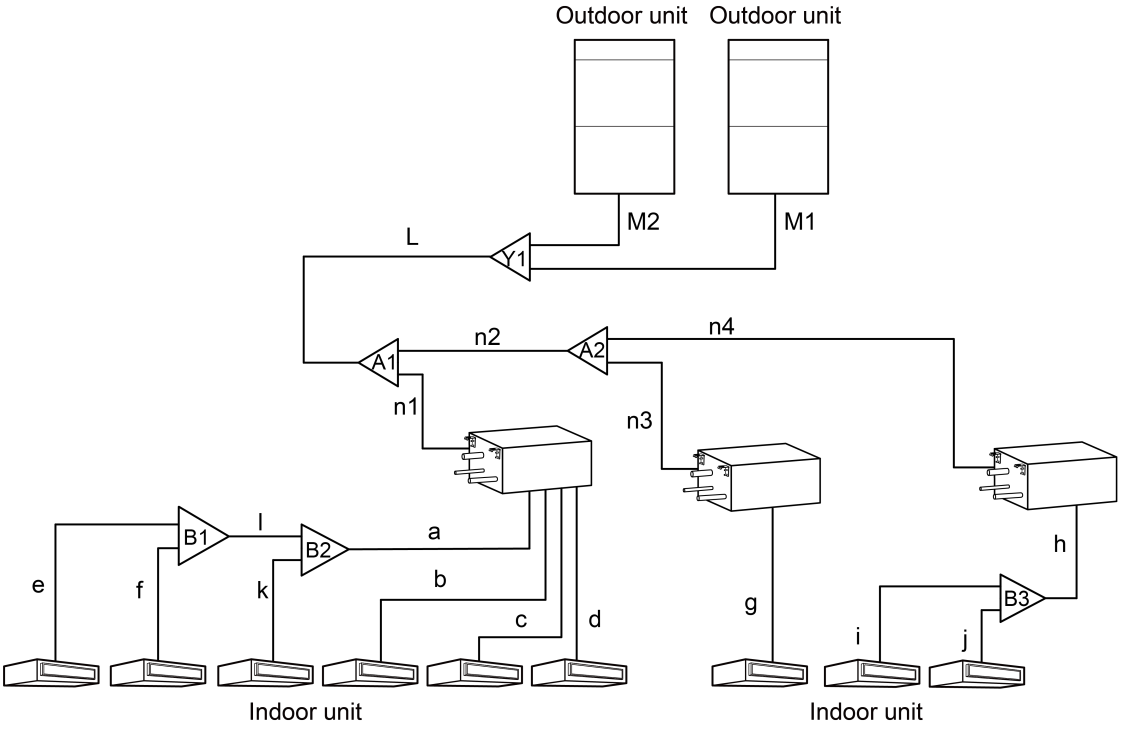


NOTE:

When the distance A+B between the outdoor modules exceeds 2m (6-1/2ft.), U-type oil trap should be added at low-pressure gas pipe and it should be no more than 2m (6-1/2ft.) away from the outdoor branch, and A+B should below 10m (32-7/8ft.). The level difference among the outdoor units should be 0m.

7.3 Pipe Selection

7.3.1 Pipe Selection of Heat Recovery System



(1) Select appropriate branch (“M1,M2”) connected to outdoor module as per the pipe size of basic outdoor module. Pipe size of basic outdoor module is shown as follows:

Pipe between module and outdoor branch “M1,M2”

Basic module	Pipe between module and outdoor branch		
	Low pressure gas pipe mm (inch)	Liquid pipe mm (inch)	High pressure gas pipe mm (inch)
GMV-VQ72WM/C-W	Φ19.05(3/4)	Φ9.52(3/8)	Φ15.9(5/8)
GMV-VQ96WM/C-W	Φ22.2(7/8)	Φ9.52(3/8)	Φ19.05(3/4)
GMV-VQ120WM/C-W	Φ28.6(1-1/8)	Φ12.7(1/2)	Φ22.2(7/8)

Selection of branch “Y1” of outdoor modules:

—	Module’s capacity C (Btu/h)	Model
Selection of branch of outdoor modules	C≤327500	ML01R
	327500<C	ML02R

(2) Size of connection pipe “L” between the terminal outdoor branch and the first indoor branch Connection pipe “L” between outdoor unit and the first indoor branch.

Module	Pipe between branches of outdoor module		
	Low pressure gas pipe mm (inch)	Liquid pipe mm (inch)	High pressure gas pipe mm (inch)
GMV-VQ72WM/C-W	Φ19.05(3/4)	Φ9.52(3/8)	Φ15.9(5/8)
GMV-VQ96WM/C-W	Φ22.2(7/8)	Φ9.52(3/8)	Φ19.05(3/4)
GMV-VQ120WM/C-W	Φ28.6(1-1/8)	Φ12.7(1/2)	Φ22.2(7/8)

(3) Branch selection of mode exchange box

Select branch of mode exchange box as per total capacity of downstream indoor unit(s). Please refer to the following table.

Model selection for branch “A1, A2” of mode exchange box:

R410A refrigerant system	Total capacity of the downstream indoor unit X (Btu/h)	Model
Y-Type Branch Pipe	X≤17100	FQ01Na/A
	17100<X≤72000	FQ02Na/A
	72000<X≤96000	FQ03Na/A
	96000<X≤232000	FQ04Na/A
	232000<X≤327500	FQ05Na/A
	327500<X	FQ06Na/A

(4) Piping size among upstream branches of heat pump mode exchange box (“n1,n2,n3,n4”)

Piping requirement among upstream branches of mode exchange box (“n1,n2,n3,n4”).

Total rated capacity of downstream indoor units: X (Btu/h)	Size of connection pipe between branches of mode exchange box		
	Low pressure gas pipe mm (inch)	Liquid pipe mm (inch)	High pressure gas pipe mm (inch)
X≤17100	Φ12.7(1/2)	Φ6.35(1/4)	Φ12.7(1/2)
17100<X≤48500	Φ15.9(5/8)	Φ9.52(3/8)	Φ12.7(1/2)
48500<X≤72000	Φ19.05(3/4)	Φ9.52(3/8)	Φ15.9(5/8)
72000<X≤96000	Φ22.2(7/8)	Φ9.52(3/8)	Φ19.05(3/4)
96000<X≤120000	Φ28.6(1-1/8)	Φ12.7(1/2)	Φ22.2(7/8)
120000<X≤144000	Φ28.6(1-1/8)	Φ12.7(1/2)	Φ22.2(7/8)
144000<X≤168000	Φ28.6(1-1/8)	Φ15.9(5/8)	Φ22.2(7/8)
168000<X≤216000	Φ28.6(1-1/8)	Φ15.9(5/8)	Φ28.6(1-1/8)
216000<X≤240000	Φ34.9(1-3/8)	Φ15.9(5/8)	Φ28.6(1-1/8)
240000<X≤312000	Φ34.9(1-3/8)	Φ19.05(3/4)	Φ28.6(1-1/8)
312000<X≤336000	Φ34.9(1-3/8)	Φ19.05(3/4)	Φ28.6(1-1/8)
336000<X≤360000	Φ41.3(1-5/8)	Φ19.05(3/4)	Φ34.9(1-3/8)

(5) Piping size among downstream branches of mode exchange box “a,h”

Total rated capacity of downstream indoor units: X (Btu/h)	Piping size among downstream branches of mode exchange box	
	Gas pipe mm (inch)	Liquid pipe mm(inch)
X≤9500	Φ9.52(3/8)	Φ6.35(1/4)
9500<X≤17100	Φ12.7(1/2)	Φ6.35(1/4)
17100<X≤48500	Φ15.9(5/8)	Φ9.52(3/8)

(6) Branch selection of downstream indoor unit of mode exchange box (“B1,B2,B3”)

R410A refrigerant system	Total rated capacity of downstream indoor units: X (Btu/h)	Model
Y-type branch	X≤48500	FQ01A/A

(7) Piping size between mode exchange box and downstream indoor unit (“b,c,d,g”)

Total rated capacity of downstream indoor units: X (Btu/h)	Piping size between mode exchange box and downstream indoor unit	
	Gas pipe mm(inch)	Liquid pipe mm(inch)
X≤9500	Φ9.52(3/8)	Φ6.35(1/4)
9500<X≤17100	Φ12.7(1/2)	Φ6.35(1/4)
17100<X≤48500	Φ15.9(5/8)	Φ9.52(3/8)

(8) Piping between indoor branch and indoor unit (“e,f,i,j,k”)

Size of connection pipe between indoor branch and indoor unit should be consistent with the connection pipe of indoor unit.

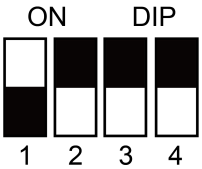
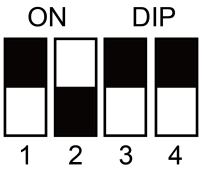
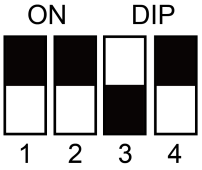
Rated capacity of indoor units: X(Btu/h)	Size of connection pipe between indoor branch and indoor unit	
	Gas pipe mm(inch)	Liquid pipe mm(inch)
X≤9500	Φ9.52(3/8)	Φ6.35(1/4)
9500<X≤17100	Φ12.7(1/2)	Φ6.35(1/4)
17100<X≤48500	Φ15.9(5/8)	Φ9.52(3/8)

(9) Piping between indoor branches (“I”)

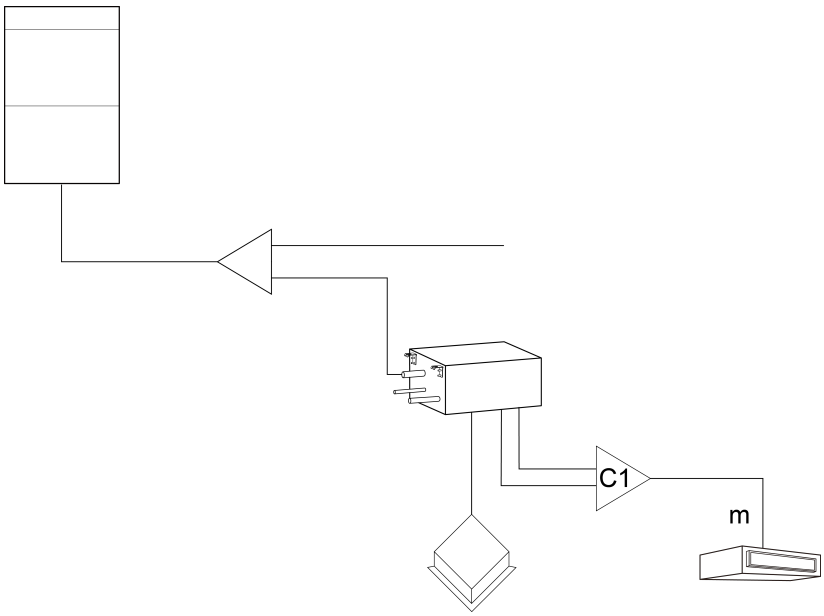
Rated capacity of the downstream indoor units X(Btu/h)	Size of connection pipe between indoor branches	
	Gas pipe mm(inch)	Liquid pipe mm(inch)
X≤9500	Φ9.52(3/8)	Φ6.35(1/4)
9500<X≤17100	Φ12.7(1/2)	Φ6.35(1/4)
17100<X≤48500	Φ15.9(5/8)	Φ9.52(3/8)
48500<X	Φ19.05(7/8)	Φ9.52(3/8)

7.3.1.1 Connecting method for indoor unit with capacity of over 48500Btu/h

When connecting to the indoor unit with capacity of over 48500Btu/h, it is not allowed to connect with only one branch; it must use two branches controlled by the same mainboard for parallel connection.

Parallel connection	Dial code	Indoor unit communication connection for mode exchange box	Remarks
Indoor unit No.1 and No.2		“1D1 1D2” or “2D1 2D2”	Parallel connection can be conducted only as the combination of this table; it is not allowed to otherwise connect. Note that after the connection, manually set the SA1 dial code of corresponding mainboard, and dial the code as shown in the table.
Indoor unit No.2 and No.3		“2D1 2D2” or “3D1 3D2”	
Indoor unit No.3 and No.4		“3D1 3D2” or “4D1 4D2”	
Indoor unit No.1 and No.2 Indoor unit No.3 and No.4		“1D1 1D2” or “2D1 2D2” and “3D1 3D2” or “4D1 4D2”	

Connecting method is as shown in the picture:



7.3.1.2 Branch Selection of Indoor Unit of Mode Exchange Box (“C1”)

R410A refrigerant system	Capacity of downstream indoor units: X/(Btu/h)	Model
Y-type branch	48500<X≤96000	FQ01B/A

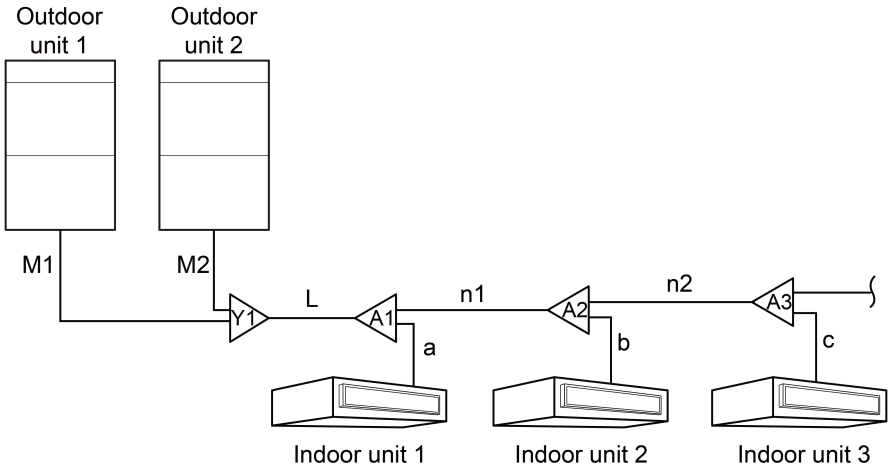
7.3.1.3 Piping Size Between Mode Exchange Box and Downstream Indoor Unit (“m”)

Size of connection pipe between indoor branch and indoor unit should be consistent with the connection pipe of indoor unit.

Piping between indoor branch and indoor unit (“m”)

Rated capacity of indoor units: X(Btu/h)	Size of connection pipe between indoor branch and indoor unit	
	Gas pipe mm(inch)	Liquid pipe mm(inch)
48500<X≤72000	Φ19.05(3/4)	Φ9.52(3/8)
72000<X≤96000	Φ22.2(7/8)	Φ9.52(3/8)

7.3.2 Pipe Selection of Heat Pump System



(1) Select appropriate branch (“M1,M2”) connected to outdoor module as per the pipe size of basic outdoor module. Pipe size of basic outdoor module is shown as follows:

Pipe between module and outdoor branch “M1,M2”

Basic module	Pipe between module and outdoor branch	
	Gas pipe mm(inch)	Liquid pipe mm(inch)
GMV-VQ72WM/C-W	Φ19.05(3/4)	Φ9.52(3/8)
GMV-VQ96WM/C-W	Φ22.2(7/8)	Φ9.52(3/8)
GMV-VQ120WM/C-W	Φ28.6(1-1/8)	Φ12.7(1/2)

Selection of branch “Y1” of outdoor modules:

——	Model
Select the branch of outdoor module	ML01/A

(2) Size of connection pipe “L” between the terminal outdoor branch and the first indoor branch Connection pipe “L” between outdoor unit and the first indoor branch.

Module	Pipe between branches of outdoor module	
	Gas pipe mm(inch)	Liquid pipe mm(inch)
GMV-VQ72WM/C-W	Φ19.05(3/4)	Φ9.52(3/8)
GMV-VQ96WM/C-W	Φ22.2(7/8)	Φ9.52(3/8)
GMV-VQ120WM/C-W	Φ28.6(1-1/8)	Φ12.7(1/2)

(3) Branch selection of indoor unit (“A1,A2,A3”)

Branch at indoor unit side can be selected as per total capacity of downstream indoor unit(s). Refer to the following table.

R410A refrigerant system	Total capacity of the downstream indoor unit X (Btu/h)	Model
Y-Type branch pipe	X<68000	FQ01A/A
	68000≤X≤102000	FQ01B/A
	102000<X≤239000	FQ02/A
	239000<X≤460000	FQ03/A
	460000<X	FQ04/A

(4) Pipe size (between two branches at indoor unit (“n1,n2”)

Piping requirement among upstream branches of indoor unit (“n1,n2”).

Total rated capacity of downstream indoor units: X (Btu/h)	Dimension of the pipe of indoor branch	
	Gas pipe mm(inch)	Liquid pipe mm (inch)
X≤17100	Φ12.7(1/2)	Φ6.35(1/4)
17100<X≤48500	Φ15.9(5/8)	Φ9.52(3/8)
48500<X≤72000	Φ19.05(3/4)	Φ9.52(3/8)
72000<X≤96000	Φ22.2(7/8)	Φ9.52(3/8)
96000<X≤120000	Φ28.6(1-1/8)	Φ12.7(1/2)
120000<X≤144000	Φ28.6(1-1/8)	Φ12.7(1/2)
144000<X≤168000	Φ28.6(1-1/8)	Φ15.9(5/8)
168000<X≤216000	Φ28.6(1-1/8)	Φ15.9(5/8)
216000<X≤240000	Φ34.9(1-3/8)	Φ15.9(5/8)
240000<X≤312000	Φ34.9(1-3/8)	Φ19.05(3/4)
312000<X≤336000	Φ34.9(1-3/8)	Φ19.05(3/4)
336000<X≤360000	Φ41.3(1-5/8)	Φ19.05(3/4)

(5) Piping between indoor branch and indoor unit ("a,b,c")

Size of connection pipe between indoor branch and indoor unit should be consistent with the connection pipe of indoor unit.

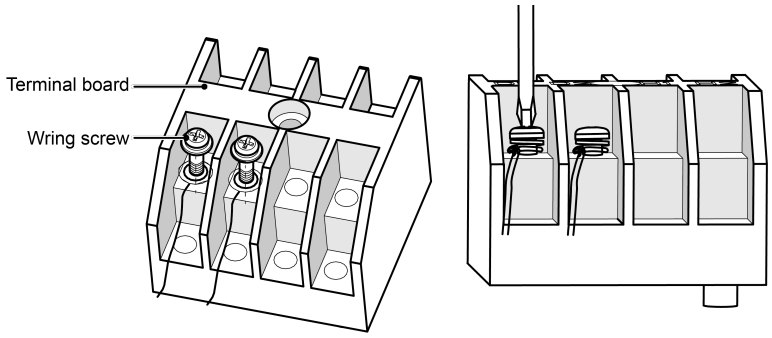
Rated capacity of indoor units: X(Btu/h)	Size of connection pipe between indoor branch and indoor unit	
	Gas pipe mm(inch)	Liquid pipe mm(inch)
X≤9500	Φ9.52(3/8)	Φ6.35(1/4)
9500<X≤17100	Φ12.7(1/2)	Φ6.35(1/4)
17100<X≤48500	Φ15.9(5/8)	Φ9.52(3/8)
48500<X	Φ19.05(7/8)	Φ9.52(3/8)

8. COMMUNICATION WIRING SYSTEM

GMV6 HR DC Inverter VRF system adopts CAN communication network, manual DIP switch and polarity to distinguish communication wire is needless for IDU and just set function DIP for ODU.

8.1 Connection Method of Communication Wiring Terminal

The connection of all communication is fixed by screws.



8.2 Requirements for Communication Wiring

8.2.1 Communication Material

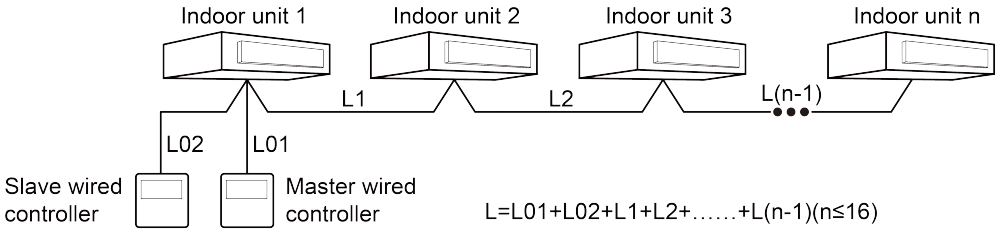
NOTE!

If the air conditioning unit is installed in a place with strong electromagnetic interference, the communication wire between the indoor unit and the wired controller must adopts shielded wires; the communication wire between indoor units (between indoor unit and outdoor unit) must use the shielded twisted pairs.

(1) Selection of communication line between indoor unit and wired controller.

Material	Length of communication wire between indoor unit and wired controller(m)(ft.)	Wire diameter (mm^2)	Remarks
Light/Ordinary polyvinyl chloride sheathed cord.	L≤250 (820-1/4)	2×AWG18~ 2×AWG16	1. Total length of communication wire can't exceed 250m(820-1/4ft.) (The total length of communication wire for different wired controller should refer to the wired controller manual.). 2. The cord shall be Circular cord (the cores shall be twisted together). 3. If unit is installed in places with intense magnetic field or strong interference, it is necessary to use shielded wire.

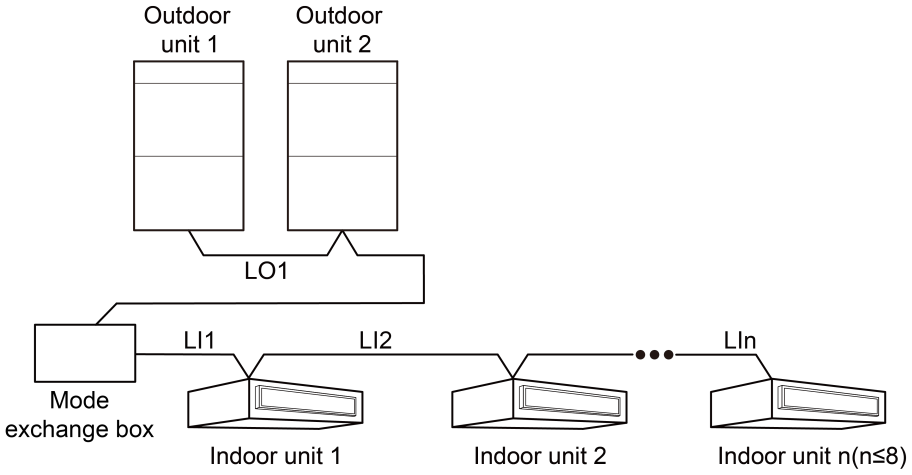
The connection between the indoor unit and the wired controller is shown as below:



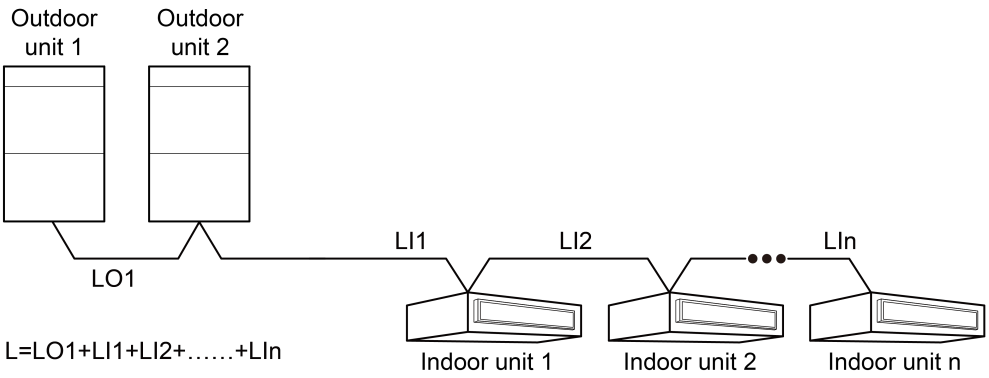
(2) Selection of communication line between outdoor unit and indoor unit.

Material	Length of communication wire between indoor unit and another indoor/outdoor unit(m(ft.))	Wire diameter (mm^2)	Remarks
Light/Ordinary polyvinyl chloride sheathed cord.	L≤1000 (3280-3/4)	≥2×AWG18	1. If the wire diameter is enlarged to 2 ×AWG16, the total communication length can reach 1500m(4921-1/4ft.). 2. The cord shall be Circular cord (the cores shall be twisted together). 3. If unit is installed in places with intense magnetic field or strong interference, it is necessary to use shielded wire.

Heat Recovery System:



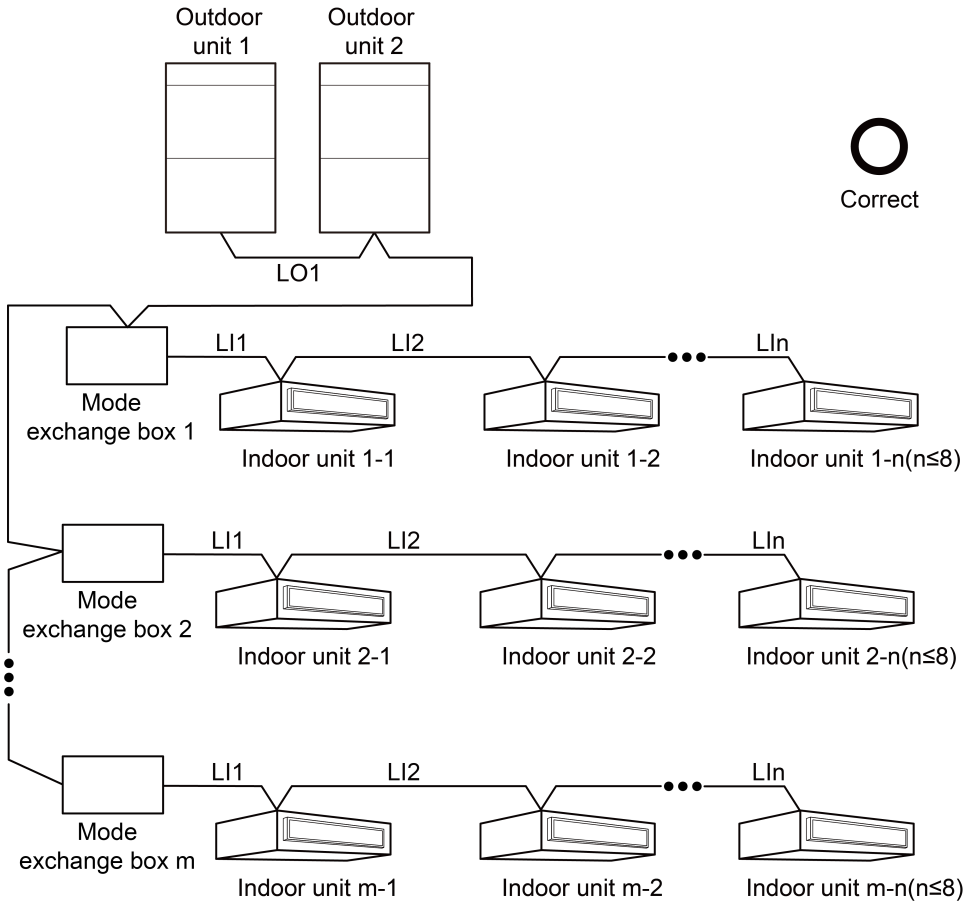
Heat Pump System:

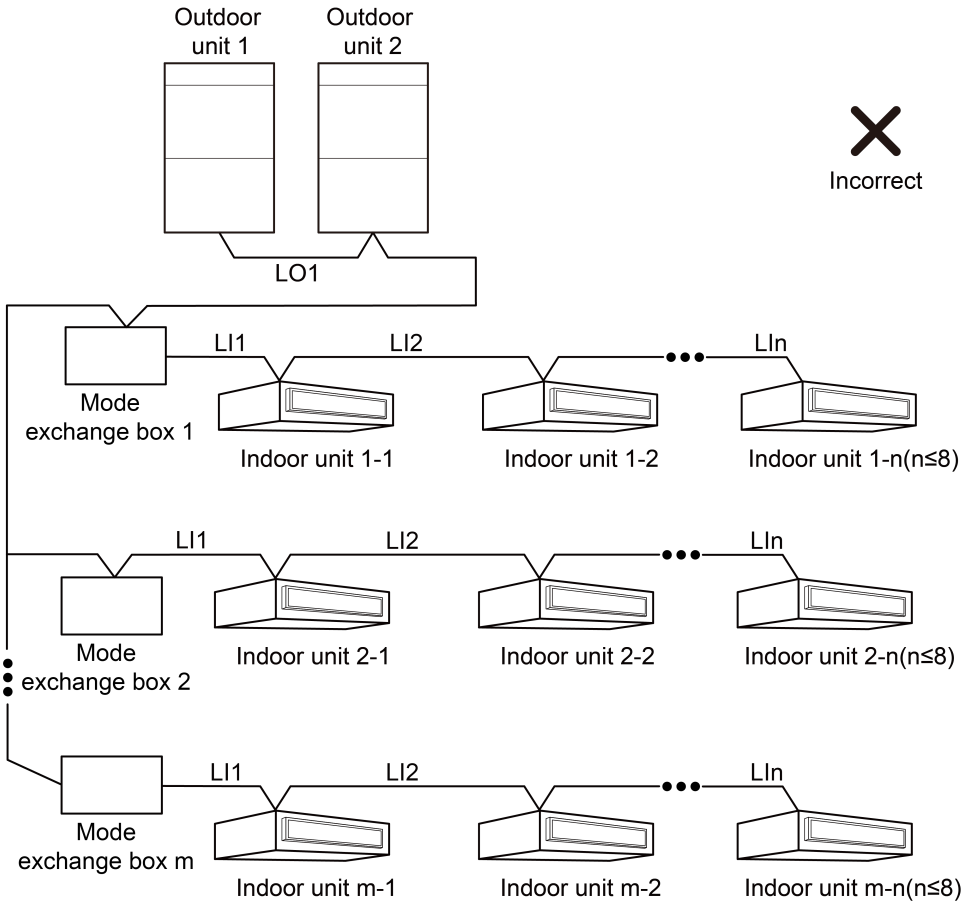


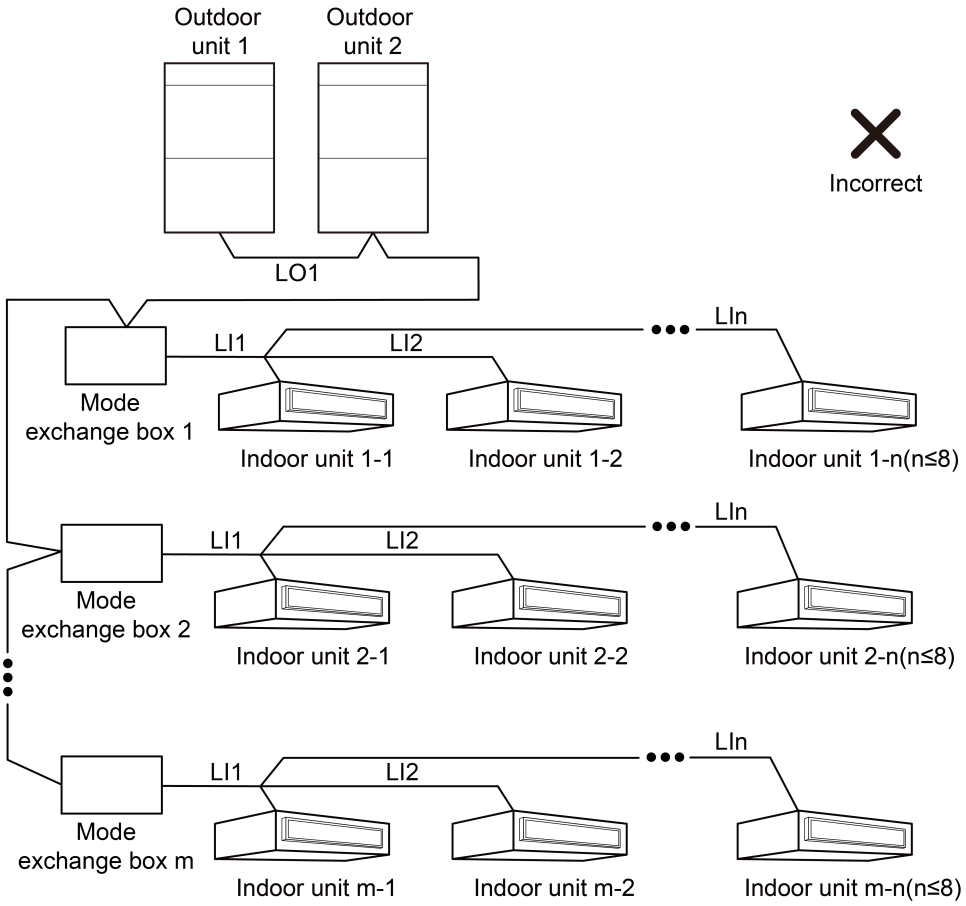
8.2.2 Communication Connection Method

Communication bus connection between indoor unit，mode exchange box and outdoor unit must be connected in series, rather than star connection; the endmost indoor unit of communication bus between indoor unit，mode exchange box and outdoor unit must connect with the communication matching resistor(in the outdoor unit plastic bag); The fresh air indoor unit is not recommended to be set as the main indoor unit.

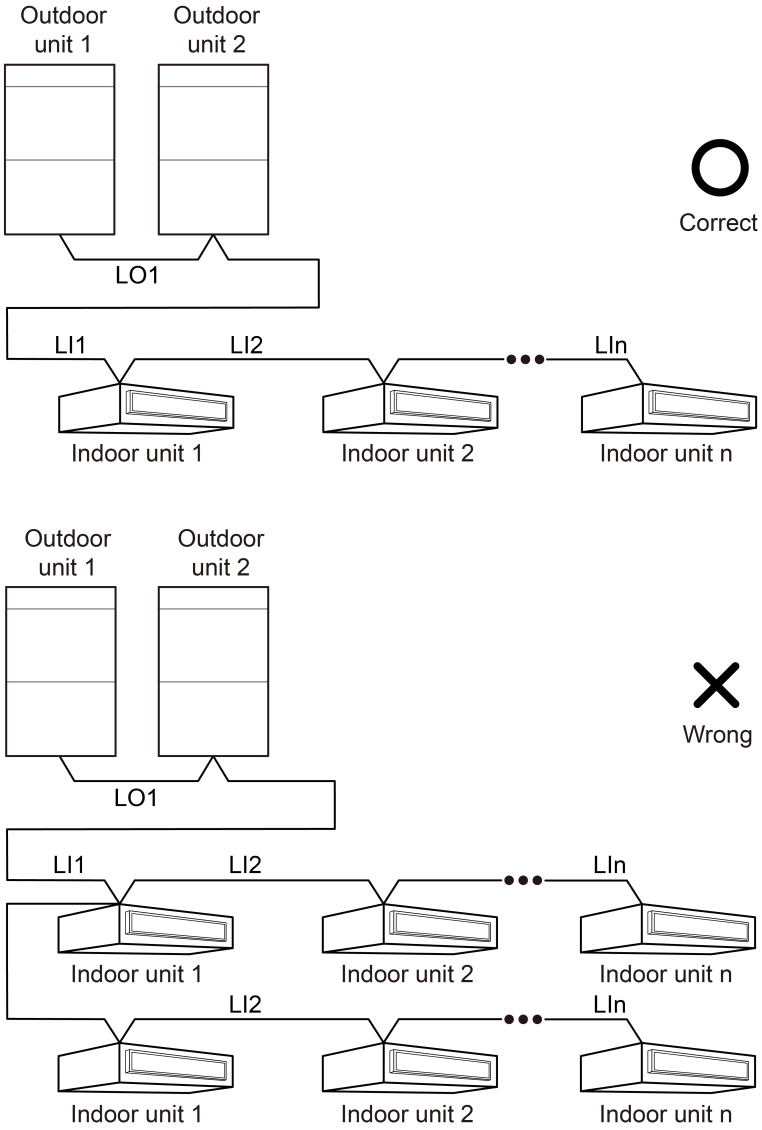
Heat Recovery System:




Outdoor unit 1
Outdoor unit 2
Incorrect
LO1
LI1
LI2
LIn
Mode exchange box 1
Indoor unit 1-1
Indoor unit 1-2
Indoor unit 1-n(n≤8)
Mode exchange box 2
Indoor unit 2-1
Indoor unit 2-2
Indoor unit 2-n(n≤8)
Mode exchange box m
Indoor unit m-1
Indoor unit m-2
Indoor unit m-n(n≤8)


Outdoor unit 1
Outdoor unit 2
Incorrect
LO1
LI1
LI2
LIn
Mode exchange box 1
Indoor unit 1-1
Indoor unit 1-2
Indoor unit 1-n(n≤8)
Mode exchange box 2
Indoor unit 2-1
Indoor unit 2-2
Indoor unit 2-n(n≤8)
Mode exchange box m
Indoor unit m-1
Indoor unit m-2
Indoor unit m-n(n≤8)

Heat Pump System:



If a communication wire is not long enough and needs to be connected with another wire by peeling away its outer layer, crimp connection or soldering connection must be adopted.

8.2.3 Communication Address Setting

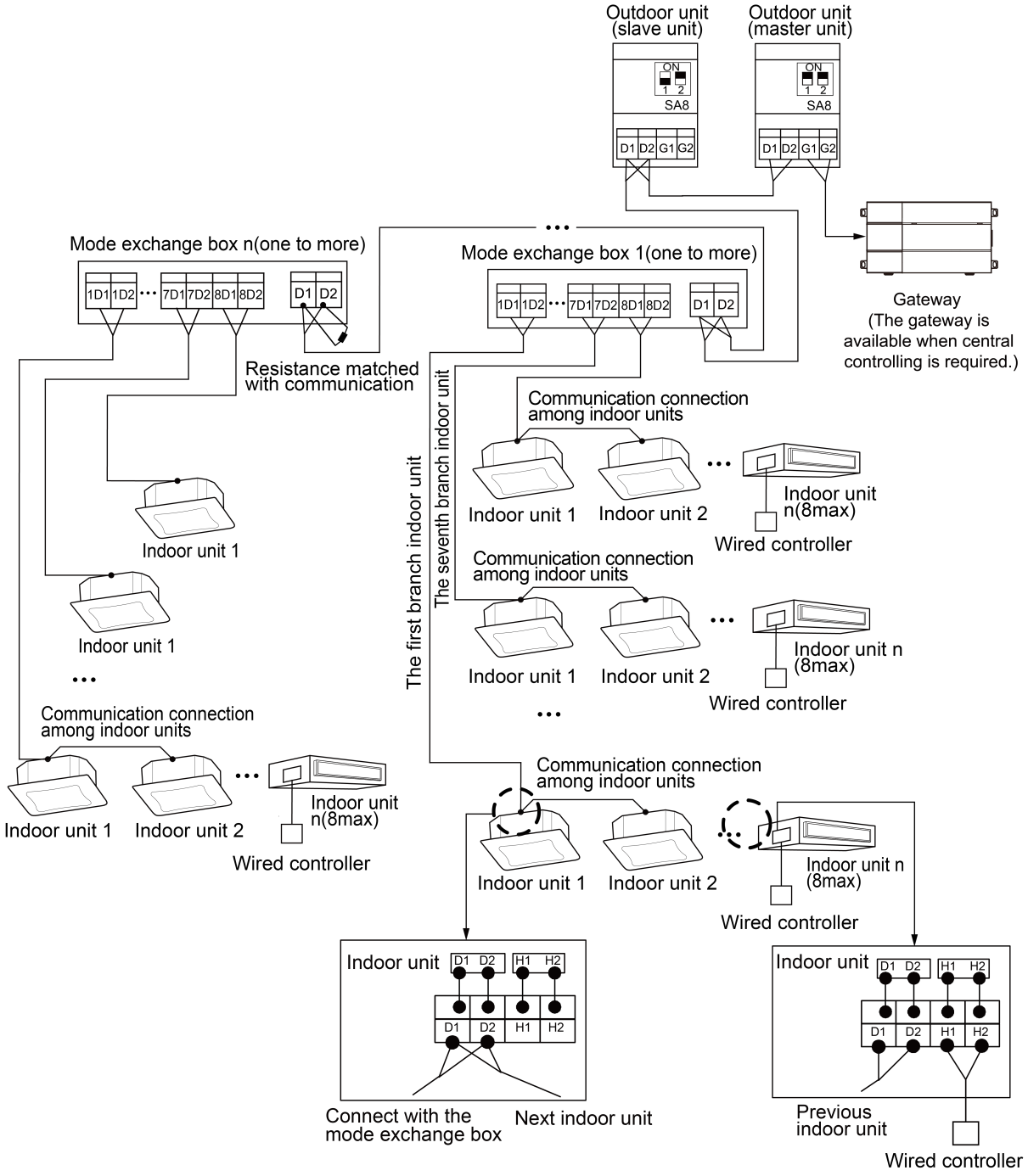
The indoor unit and outdoor unit adopt automatic addressing technology. It is not necessary to manually set the address code. It only needs to set the main module and centralized control address (set it when centralized control of multiple refrigeration systems is required)

8.3 Connection Methods and Procedure of Communication System

8.3.1 Communication Connection Between the Indoor Unit and Outdoor Unit

Communication between indoor，mode exchange box and outdoor units is connected via terminal D1/D2 on the communication wiring board.

Heat Recovery System:



NOTES:

(1) If there are several ODU modules, the first set of ODU unit in the communication cord must be the master unit and shall not be connected to IDU (master unit is set by SA8 of ODU main board).

(2) If there are several ODU modules, then the IDUs must be connected to the last subordinate ODU (Subordinate unit is set by SA8 of ODU main board).

(3) Conduct separate wiring for the communication cord and power cord to avoid interference.

(4) The communication cord must be chosen suitable length at the start, and re-connect action after is not allowable.

(5) The communication line of mode exchange box must be connected in series and the last mode exchange box must be connected with a matching resistance (provided among the accessory parts of outdoor unit). Connect the matching resistance to the D1, D2 terminals of communication wiring board of mode exchange box.

(6) Adopt the one-to-one connection method for the connection between mode exchange box and downstream indoor unit. Each branch is corresponding to one communication terminal. “1D1, 1D2” indicates the terminal position of communication wire for the downstream indoor unit of the first branch; “2D1, 2D2” indicates the terminal position of communication wire for the downstream indoor unit of the second branch and by this analogy. Please note that there’s corresponding mark at the corresponding connection place of copper pipe for each indoor unit on branch.

(7) If there’re multiple indoor units at one branch of mode exchange box, the communication wires of indoor units should adopt series connection. Please note that operation mode for the indoor units at the same branch should be consistent under any circumstances.

(8) Communication wire can’t be connected for the downstream indoor units at the different branches of mode exchange box.

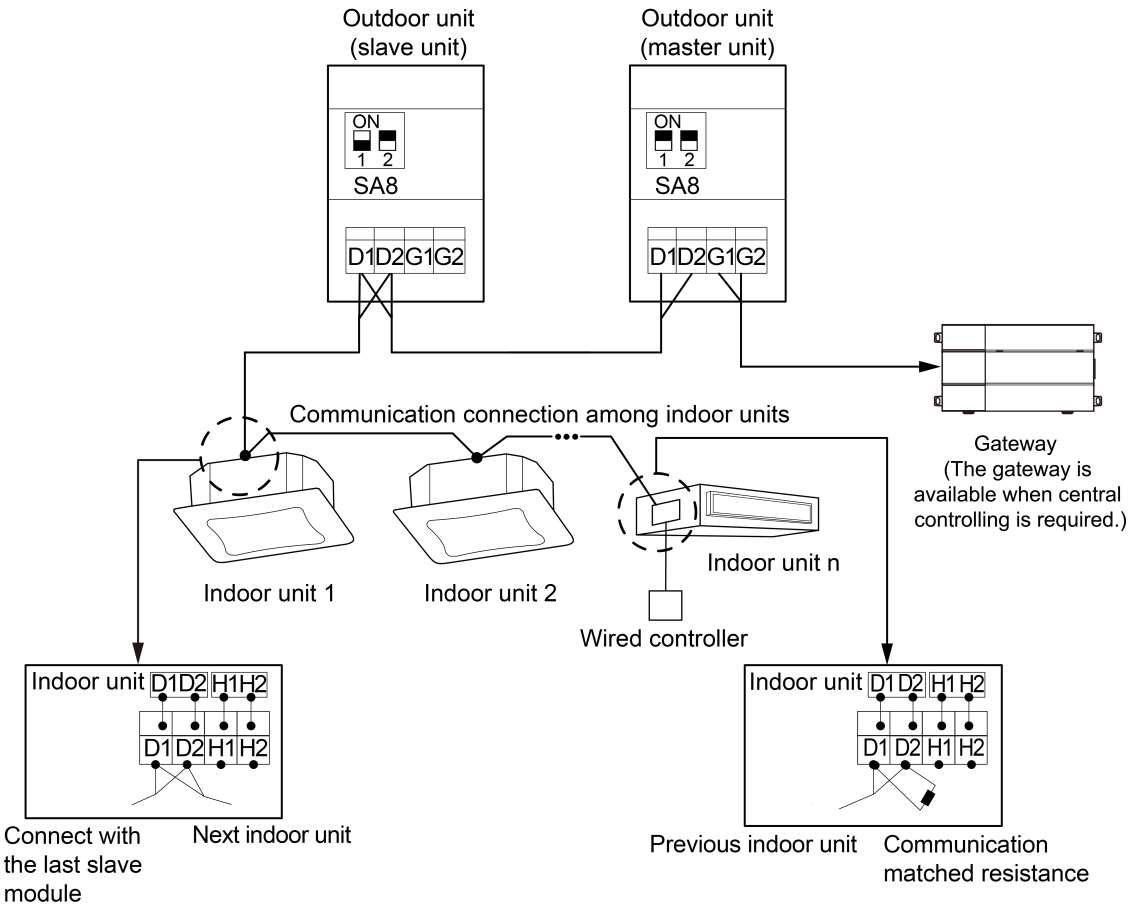
(9) When the mode exchange box connects to an indoor unit whose capacity is larger than 16kw(48500kBtu/h), keep the indoor unit and either one of the corresponding two branches connected. Please confirm that these two branches are corresponding to the 1st number of SA1 DIP switch that directs to digital terminal on main board.

(10) The indoor unit must be connected in series, and the last indoor unit must be connected to the communication matching resistor (provided in the outdoor unit parts list).

(11) Please refer to the relevant manual for the centralized controller wiring method and settings.

(12) The number of mode exchange box = The number of one-to-one mode exchange box + The number of one-to-two mode exchange box + The number of one-to-four mode exchange box + The number of one-to-eight mode exchange box × 2≤20.

Heat Pump System:



NOTICE!

① As for modular indoor unit, if there are multiple outdoor unit modules, the master module must be the first outdoor unit module on the communication line, and it must not connect to the indoor unit (main module is set by SA8 of indoor unit main board).

② As for modular outdoor unit, if there are multiple outdoor unit modules, the indoor unit must be connected to the last outdoor unit's slave module (slave unit is set by SA8 of indoor unit main board).

③ The communication line and the power cord must be routed separately to avoid interference.

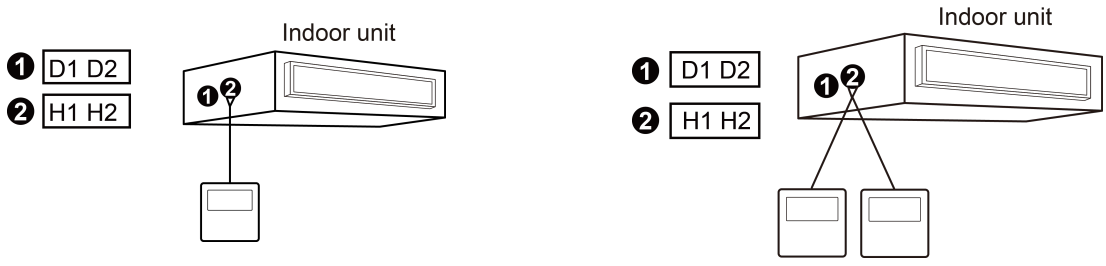
④ The communication line must be of suitable length and must not be connected.

⑤ The indoor unit must be connected in series, and the last indoor unit must be connected to the communication matching resistor (provided in the outdoor unit parts list).

⑥ Please refer to the relevant manual for the centralized controller wiring method and settings.

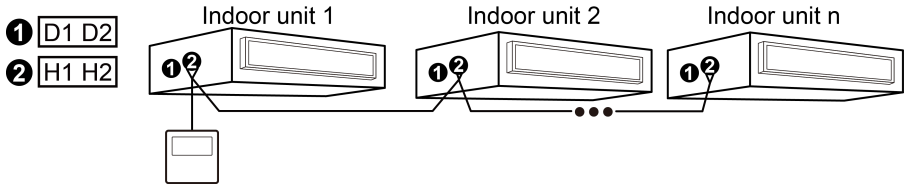
8.3.2 Communication Connection Between Indoor Unit and Wired Controller

There are four types of connection between the indoor unit and wired controller, as shown in the following figure:

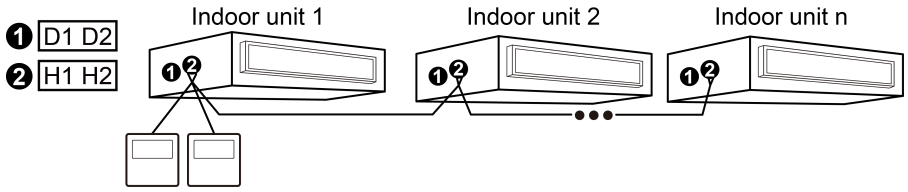


One wired controller controls one IDU

Two wired controllers control one IDU



One wired controller control multiple IDUs



Two wired controllers control multiple IDUs

When two wired controllers control several IDUs at the same time, the wired controller can be connected to any IDU, the connected IDUs shall be the IDU from the same series, meanwhile, set one of the wired controllers as the slave wired controller and shall be only set one. The amount of IDU controlled by wired controller shall not exceed 16 sets, and the connected IDUs shall be in the same IDU's network.

Set slave wired controller under ON/OFF status:

Long press "Function" button for 5s of the wired controller which needs to be set as the slave wired controller, the temperature area will display "C00", then long press "Function" button for 5s to enter parameter setting interface for wired controller, at this time, the temperature area will display "P00" acquiescently.

Press "▲" or "▼" button to select P13 as the parameter code and "Mode" button to switch to parameter value setting. At this time, the parameter value will blink, then press "▲" or "▼" to select "02"code. Press "Enter/Cancel" button to complete the setting.

Press "Enter/Cancel" button to return to the previous operation, until existing parameter setting.

Parameter setting list for the user is as follow:

Parameter code	Parameter name	Parameter scope	Default value	Remark
P13	Address setting for wired controller	01: master wired controller 02: slave wired controller	01	When two wired controllers control one (or several) set(s) of IDU at the same time, the address of two wired controllers shall be different. Apart from setting the wired controller address, the slave wired controller can not set unit parameter.

8.3.3 Connection Method Between Duct Type IDU and Remote Signal Receiving LED Panel

Connection method between duct type IDU and receiver (remote signal receiving LED panel)

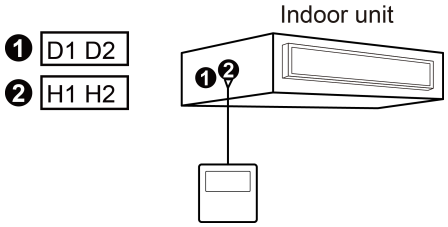


Figure 1 One Receiver Controls One Indoor unit

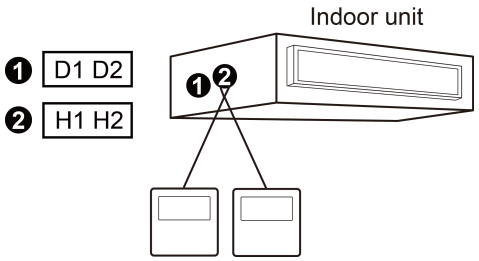


Figure 2 One Receiver and One Wired Controllers Control One Indoor unit

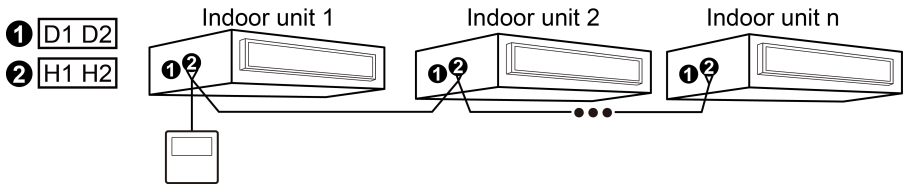


Figure 3 One Receiver Controls Several Multi VRF IDUs Simultaneously

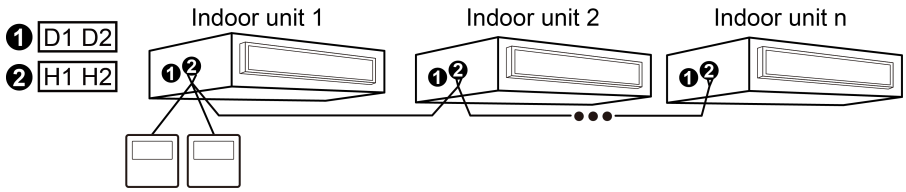


Figure 4 One Receiver and One Wired Controller Control Several Multi VRF IDUs Simultaneously

NOTES!

① When the remote signal receiving LED panel is connected with multi VRF unit, the wiring methods as shown in Figure 1, Figure 2, Figure 3 and Figure 4 can be adopted, but please pay attention to the follow:

a) When one remote signal receiving LED panel or one remote signal receiving LED panel and one wired controller control several indoor units simultaneously, the remote signal receiving LED panel can connect any indoor unit, but the connected indoor unit shall be of the same indoor unit series and the connected indoor unit shall be in the same multi VRF system. When it is applied together with the wired controller, please set the indoor unit quantity of group control in the wired controller.

b) When the remote signal receiving LED panel controls several indoor units simultaneously, the settings for all indoor units are the same.

② In the wiring methods as shown in Figure 2, Figure 4, there can't be two remote signal receiving LED panels simultaneously and only one wired controller and one remote signal receiving LED panel are allowable in the same system. The wired controller can be set as master or slave wired controller and the remote signal receiving LED panel address will switch automatically (no need to set remote signal receiving LED panel address manually) according to the wired

controller address (master/slave wired controller). The total quantity of remote signal receiving LED panel and wired controller can't exceed two.

③ The remote signal receiving LED panel interface is non-polar, but it can't be connected with heavy current.

④ Wired controller and remote signal receiving LED panel can be used at the same time.

⑤ When selecting remote signal receiving LED panel, selecting the remote controller at the same time.

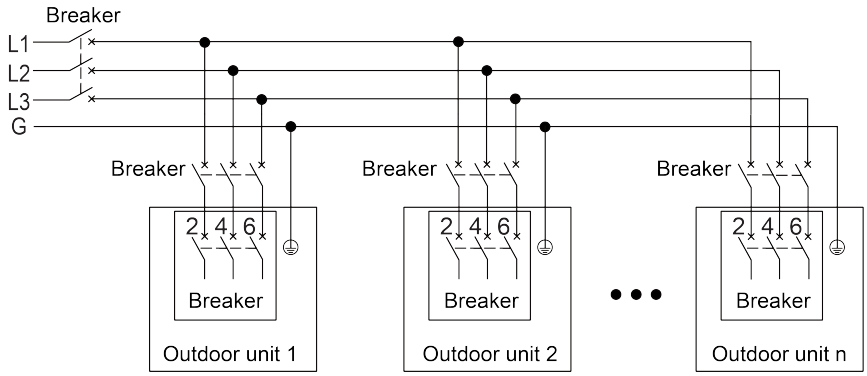
9. EXTERNAL ELECTRICAL WIRING DIAGRAM

9.1 External Wiring Interface

External wiring interface	Power supply	Number of cable cores	4
		Mark	2 4 6 G
	IDU/ODU communication	Number of cable cores	2
		Mark	D1 D2
	Central control	Number of cable cores	2
		Mark	G1 G2

9.2 External Wiring

Every unit should have corresponding circuit breaker for short-circuit and overload protection. The circuit breaker is normally closed. And also a main switch is required to control power supply or disconnection.



NOTICE:
The maximum outdoor unit "n" is decided by the combination from of outdoor unit.

10. CALCULATION OF ADDITIONAL REFRIGERANT CHARGE

Total refrigerant charging amount R= Pipeline charging amount A + Σ Refrigerant's charging amount for every outdoor module B.

(1) Pipeline's charging amount A:

Pipeline's charging amount A= Σ Liquid pipe length ×Refrigerant's charging amount of every meter liquid pipe

Diameter of liquid pipe (mm(inch))	Φ28.6 (1-1/8)	Φ25.4 (1)	Φ22.2 (7/8)	Φ19.05 (3/4)	Φ15.9 (5/8)	Φ12.7 (1/2)	Φ9.52 (3/8)	Φ6.35 (1/4)
kg/m	0.680	0.520	0.350	0.250	0.170	0.110	0.054	0.022
Lbs/ft.	0.457	0.349	0.235	0.168	0.114	0.074	0.036	0.015

(2) Σ Refrigerant charging amount of every outdoor module B.

Refrigerant charging amount B of every module (kg(Lbs)) ②		Module capacity(kBtu/h)		
IDU/ODU rated capacity collocation ratio C ①	Quantity of indoor unit	VQ72	VQ96	VQ120
50%≤C≤90%	N<4	1(2.2)	2(4.4)	2(4.4)
	N≥4	1(2.2)	2(4.4)	2(4.4)
90%<C≤105%	N<4	1(2.2)	2(4.4)	2(4.4)
	8>N≥4	3(6.6)	4(8.8)	4(8.8)
	N≥8	5(11.0)	7(15.4)	7(15.4)
105%<C≤135%	N<4	2(4.4)	3(6.6)	3(6.6)
	8>N≥4	4(8.8)	5(11.0)	5(11.0)
	N≥8	6(13.2)	8(17.6)	8(17.6)

NOTES:

① Rated capacity connection ratio of indoor unit and outdoor unit C = sum of indoor unit rated cooling capacity / sum of outdoor unit rated cooling capacity.

② If all indoor units are all fresh air indoor units, the added refrigerant amount for each module B is 0kg(0 LBS).

③ If all fresh air indoor units are mixed with the general VRF indoor units, charge the refrigerant according to the refrigerant-charging method of the general indoor unit.

Example 1:

The ODU is composed of the module: 72kBtu/h.

The IDUs are made up of 4 sets of 18kBtu/h.

IDU/ODU rated capacity collocation ratio C= 18×4/(72)=100%.The quantity of included IDUs is more than 4 sets. Please refer to the above table.

Refrigerant charging amount B for 72kBtu/h module is 3.0kg (6.6 LBS).

So, Refrigerant charging amount B =3.0kg (6.6 LBS).

Suppose the Pipeline charging amount A=Σ Liquid pipe length × refrigerant charging amount of every 1m (3-1/4 ft.) liquid pipe=2kg (4.4 LBS)

Total refrigerant charging amount R=2+3=5kg (4.4+6.6=11.0 LBS).

Example 2:

Outdoor unit is a 72kBtu/h module and the indoor unit is a 72kBtu/h fresh air unit. The quantity (B) of refrigerant added to this module is 0kg (0 LBS).

So, Refrigerant charging amount B = 0kg (0 LBS).

Suppose the Pipeline charging amount A =∑ Length of liquid pipe × Quantity of refrigerant added to liquid pipe per meter = 5kg (11 LBS).

Total refrigerant charging amount R = 5+0=5kg (11+0=11 LBS).

Modular combination of outdoor unit subjects to combinations that is currently available.

11. NOTICES

11.1 Safety Notices

(1) The unit should not be installed in places with high pH, high voltage fluctuations, vehicles and ships.

(2) Do not touch the fins of the heat exchanger. Improper touch can cause damage.

(3) Do not mix other substance apart from refrigerant in the refrigerant circuit during installing or moving the unit, and do not leave any air in the pipe. If air or other substances are mixed within the pipe, the system pressure will rise, the compressor may burst and damage.

(4) Don't charge the non-specified refrigerant when installing or moving the unit, otherwise, it might cause poor operation, malfunction, mechanical breakdown, etc, or even cause major safety accident.

(5) When moving the unit or repairing the recycled refrigerant, be sure to use the pressure gauge. Conduct the cooling operation first, then completely shut down the valve (liquid valve) at high pressure side. When the pressure gauge display 0～0.05MPa, completely shut down the valve (gas valve) at low pressure side and immediately stop running and cut off the power.

(6) When recovering the refrigerant, please make sure to completely shut down the liquid valve and gas valve, and cut off the power before dismantling the connection pipe; otherwise, there will be air intrusion, resulting in pressure rise of the system, the compressor may burst and damage.

(7) When installing the unit, make sure that the connection pipe is securely connected before starting the compressor. If the compressor is started before the connection pipe is connected and then cut off the valve, there will be air intrusion, resulting in pressure rise of the system, if the compressor is burst, it will cause damage.

(8) Wiring between indoor and outdoor units must be correctly connected with the specified wires, and the wiring terminal shall not be affected by external forces. Poor connection or fixing might cause fire accident.

(9) No connection is allowed in the middle of the wire. When the length of the connecting wire is not enough, please contact the designated service store to re-equip a dedicated wire of sufficient length.

11.2 Notices for The Usage of Refrigerant

(1) AC project designers and installers shall obey the local laws and regulations on the safety requirements toward the usage and leakage of refrigerant.

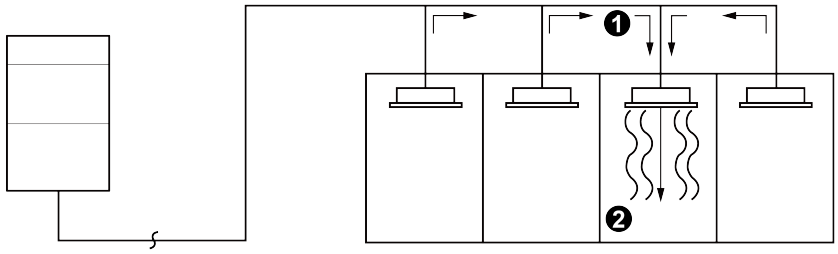
(2) The multi VRF unit adopts R410A refrigerant. When installing the unit in the space where people included, the refrigerant's amount shall not exceed the maximum allowable concentration. Otherwise, suffocation will occur to the people nearby. For example, the maximum refrigerant's allowable concentration for European safety standard and regulation is 0.44kg/m^3.

Maximum refrigerant's charging amount(kg) = Room volume(m^3) × maximum allowable concentration(kg/m^3)

Refrigerant charge(kg) = Additional quantity of refrigerant(kg) + ∑ factory charge for ODU(kg)

Refrigerant charge ≤ Maximum refrigerant charge

(3) When refrigerant's charging amount exceeds the maximum safety limit, re-design the refrigeration system and divide the refrigeration system to several refrigeration systems with small volume, or adopt corresponding ventilation measures and alarms.



❶ Flow direction of refrigerant leakage

❷ Room for refrigerant leakage.

Since the density of refrigerant vapor is greater than that of air, pay attention to the spaces where the refrigerant may residue, for example, the basement.

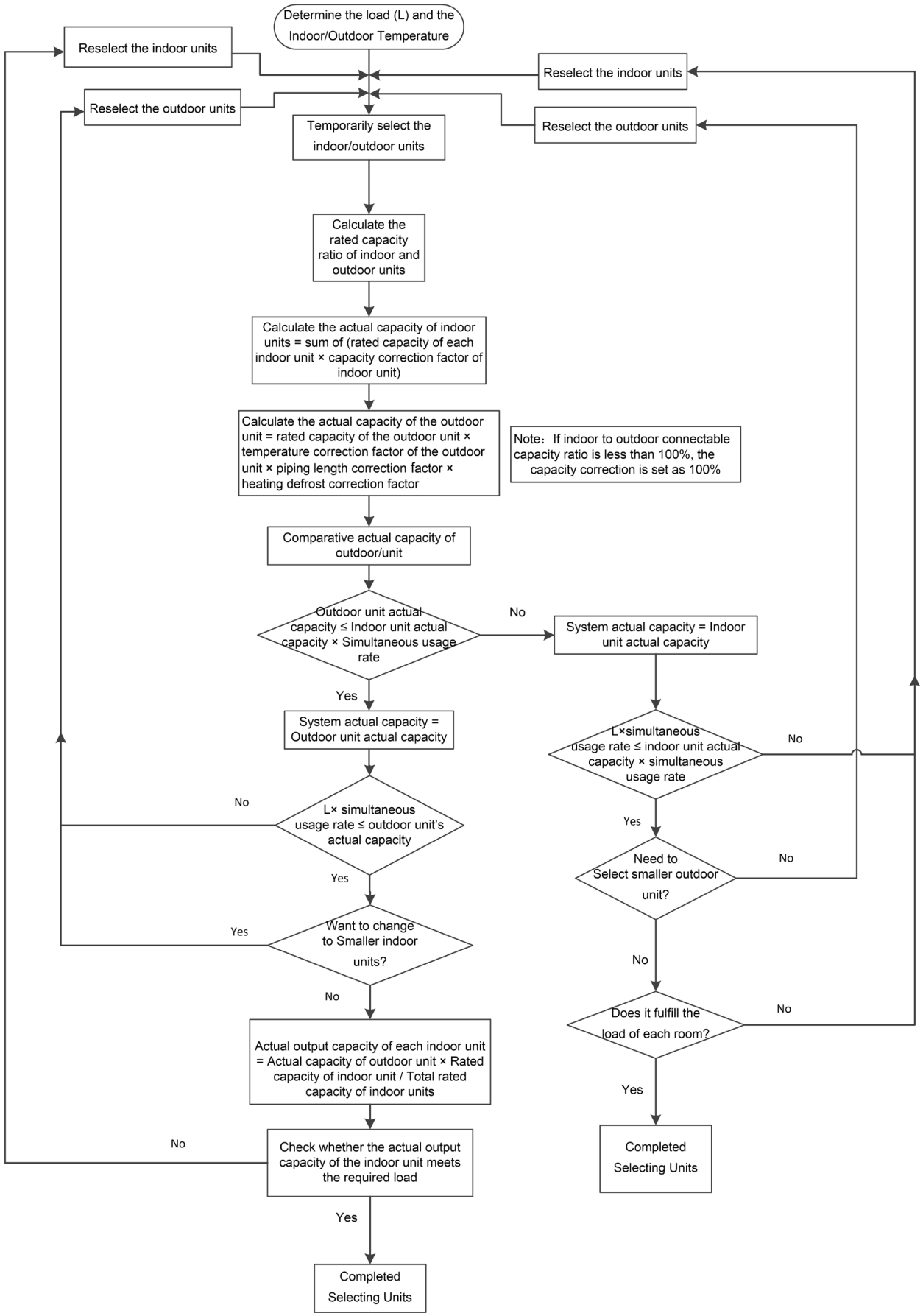
12. OPTIONAL ACCESSORIES

—		Model	Remarks
Branch	Outdoor Unit	ML01R, ML02R	For the model selection method, see the part of pipeline selection
	Outdoor Unit And Mode Exchanger	FQ01Na/A, FQ02Na/A, FQ03Na/A, FQ04Na/A, FQ05Na/A, FQ06Na/A, FQ07Na/A	—
	Indoor Unit	FQ01A/A,FQ01B/A	—
Remote Controller		YAP1F	Duct-type indoor unit Optional (Wall-Mounted indoor unit , the air Cassette, Floor Ceiling Standard)
Classic Wired Controller		Wired controller XK46	Applicable to the air Cassette, Floor Ceiling, Wall-Mounted indoor unit Optional (Duct-type, Concealed Floor Standing Type indoor unit Standard)
Wired Controller		XE7A-24/H	—
Wired Controller		XE7C-24/H	The product is under development
Wired Controller		XE70-33/H	—
Linkage Controller		LE60-24/H1	With access control and dry contact signals detection function
Centralized Controller		CE52-24/F(C)	—
E-Smart Zone Controller		CE54-24/F(C)	—
Debugger		CE42-24/F(C)	—
Debugging Software		DE40-33/A(C)	—
Remote Monitoring System	Software	FE30-24/DF(B)	—
	Controller	ME20-24/D1(T)	
Remote signal receiving LED panel		JS13	—
VRF Protocol Gateway		ME30-24/D1(BM)	Gateway capacity: 255 indoor units; it can output two kinds of BMS data: ModBus/BACnet
Modbus Gateway(Mini)		ME30-24/E6(M)	Gateway capacity: 128 indoor units (within 16 systems)
H2M Gateway		ME31-33/EH1(M)	Gateway capacity: a indoor unit (similar with the wired controller; it can control multiple units), it can output ModBus data

Note: If you need the above optional components, please consult your local sales company.

APPENDIXES PRODUCT CAPACITY CORRECTION

1 Selection of Cooling/Heating Units



2 Capacity Correction According to Ambient Temperature and Connection Ratio

◆ **Correction of cooling capacity:**

GMV-VQ72WM/C-W

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(˚FDB)	Indoor air temp													
		57.2˚FWB		60.8˚FWB		64.4˚FWB		66.2˚FWB		68.0˚FWB		71.6˚FWB		75.2˚FWB	
		68.0˚FDB		73.4˚FDB		78.8˚FDB		80.6˚FDB		82.4˚FDB		86.0˚FDB		89.6˚FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
135%	23	60.31	2.47	75.07	3.14	89.82	3.82	97.20	3.93	100.96	4.09	102.89	4.19	104.82	4.24
	32	60.31	2.49	75.07	3.17	89.82	3.85	97.06	3.97	98.02	4.14	99.95	4.24	101.88	4.31
	39.2	60.31	2.51	75.07	3.19	89.82	3.88	94.71	4.00	95.67	4.17	97.60	4.28	99.53	4.36
	44.6	60.31	2.52	75.07	3.21	89.82	3.90	92.95	4.03	93.91	4.20	95.84	4.31	97.77	4.40
	50	60.31	2.54	75.07	3.22	89.82	3.92	91.19	4.05	92.15	4.23	94.08	4.35	96.01	4.44
	53.6	60.31	2.58	75.07	3.27	89.05	3.99	90.01	4.13	90.98	4.32	92.90	4.45	94.83	4.63
	57.2	60.31	2.62	75.07	3.33	87.87	4.06	88.84	4.21	89.80	4.41	91.73	4.65	93.66	4.82
	60.8	60.31	2.67	75.07	3.38	86.70	4.13	87.66	4.29	88.63	4.62	90.55	4.85	92.48	5.01
	64.4	60.31	2.71	75.07	3.43	85.52	4.39	86.49	4.54	87.45	4.84	89.38	5.05	91.31	5.20
	68	60.31	2.75	75.07	3.80	84.35	4.64	85.31	4.78	86.28	5.05	88.20	5.25	90.13	5.39
	69.8	60.31	2.78	75.07	3.98	83.76	4.77	84.72	4.90	85.69	5.16	87.62	5.35	89.54	5.49
	73.4	60.31	3.13	75.07	4.34	82.59	5.03	83.55	5.15	84.51	5.37	86.44	5.55	88.37	5.68
	77	60.31	3.49	75.07	4.70	81.41	5.29	82.37	5.39	83.34	5.58	85.27	5.75	87.19	5.87
	80.6	60.31	3.84	75.07	5.07	80.24	5.55	81.20	5.64	82.16	5.80	84.09	5.95	86.02	6.06
	84.2	60.31	4.20	75.07	5.43	79.06	5.81	80.02	5.88	80.99	6.01	82.92	6.15	84.85	6.25
	86	60.31	4.37	75.07	5.61	78.47	5.93	79.44	6.00	80.40	6.12	82.33	6.25	84.26	6.35
	87.8	60.31	4.55	75.07	5.79	77.89	6.06	78.85	6.13	79.81	6.22	81.74	6.35	83.67	6.44
	91.4	60.31	4.91	74.78	6.15	76.71	6.32	77.67	6.37	78.64	6.44	80.57	6.55	82.50	6.63
	95	60.31	5.26	73.61	6.52	75.54	6.58	76.50	6.62	77.46	6.65	79.39	6.76	81.32	6.83
	98.6	60.31	5.88	72.43	6.94	74.36	7.00	75.33	7.03	76.29	7.07	78.22	7.18	80.15	7.26
	102.2	60.31	6.49	71.26	7.36	73.19	7.41	74.15	7.45	75.11	7.49	77.04	7.61	78.97	7.69
	105.8	60.31	7.11	70.08	7.79	72.01	7.83	72.98	7.87	73.94	7.91	75.87	8.04	77.80	8.12
	109.4	60.31	7.72	68.91	8.21	70.84	8.25	71.80	8.29	72.76	8.34	74.69	8.47	76.62	8.55
	111.2	60.31	7.42	66.15	7.88	68.08	7.92	69.04	7.96	70.01	8.00	71.93	8.13	73.86	8.21
	114.8	58.71	6.80	60.63	7.22	62.56	7.26	63.53	7.30	64.49	7.33	66.42	7.45	68.35	7.53
	116.6	55.95	6.49	57.88	6.89	59.81	6.93	60.77	6.96	61.73	7.00	63.66	7.11	65.59	7.19
	122	47.68	5.56	49.60	5.91	51.53	5.94	52.50	5.97	53.46	6.00	55.39	6.10	57.32	6.16
	125.6	42.16	4.94	44.09	5.25	46.02	5.28	46.98	5.31	47.94	5.33	49.87	5.42	51.80	5.47

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(˚FDB)	Indoor air temp													
		57.2˚FWB		60.8˚FWB		64.4˚FWB		66.2˚FWB		68.0˚FWB		71.6˚FWB		75.2˚FWB	
		68.0˚FDB		73.4˚FDB		78.8˚FDB		80.6˚FDB		82.4˚FDB		86.0˚FDB		89.6˚FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
120%	23	53.61	2.28	66.73	2.87	79.84	3.48	86.40	3.81	92.96	3.93	100.96	4.15	102.89	4.20
	32	53.61	2.30	66.73	2.89	79.84	3.51	86.40	3.85	92.96	3.97	98.02	4.19	99.95	4.26
	39.2	53.61	2.31	66.73	2.91	79.84	3.53	86.40	3.88	92.96	4.00	95.67	4.23	97.60	4.31
	44.6	53.61	2.33	66.73	2.93	79.84	3.55	86.40	3.90	91.98	4.03	93.91	4.26	95.84	4.34
	50	53.61	2.34	66.73	2.94	79.84	3.57	86.40	3.92	90.22	4.05	92.15	4.29	94.08	4.38
	53.6	53.61	2.38	66.73	3.00	79.84	3.63	86.40	4.00	89.05	4.13	90.97	4.38	92.90	4.49
	57.2	53.61	2.42	66.73	3.05	79.84	3.70	86.40	4.07	87.87	4.22	89.80	4.47	91.73	4.69
	60.8	53.61	2.46	66.73	3.10	79.84	3.76	85.73	4.14	86.70	4.30	88.63	4.68	90.55	4.89
	64.4	53.61	2.50	66.73	3.15	79.84	3.82	84.56	4.40	85.52	4.54	87.45	4.89	89.38	5.08
	68	53.61	2.53	66.73	3.20	79.84	4.14	83.38	4.66	84.35	4.79	86.28	5.10	88.20	5.28
	69.8	53.61	2.55	66.73	3.40	79.84	4.30	82.80	4.78	83.76	4.91	85.69	5.21	87.62	5.38
	73.4	53.61	2.88	66.73	3.78	79.84	4.61	81.62	5.04	82.58	5.15	84.51	5.42	86.44	5.57
	77	53.61	3.20	66.73	4.16	79.48	4.93	80.45	5.30	81.41	5.40	83.34	5.63	85.27	5.77
	80.6	53.61	3.52	66.73	4.54	78.31	5.25	79.27	5.55	80.24	5.64	82.16	5.84	84.09	5.97
	84.2	53.61	3.84	66.73	4.92	77.13	5.56	78.10	5.81	79.06	5.88	80.99	6.05	82.92	6.16
	86	53.61	4.00	66.73	5.11	76.54	5.72	77.51	5.94	78.47	6.01	80.40	6.16	82.33	6.26
	87.8	53.61	4.17	66.73	5.31	75.96	5.88	76.92	6.07	77.89	6.13	79.81	6.26	81.74	6.36
	91.4	53.61	4.49	66.73	5.69	74.78	6.19	75.75	6.32	76.71	6.37	78.64	6.47	80.57	6.56
	95	53.61	4.81	66.73	6.07	73.61	6.51	74.57	6.58	75.54	6.62	77.46	6.69	79.39	6.76
	98.6	53.61	5.44	66.73	6.52	72.43	6.92	73.40	7.00	74.36	7.03	76.29	7.11	78.22	7.18
	102.2	53.61	6.07	66.73	6.98	71.26	7.33	72.22	7.41	73.19	7.45	75.11	7.53	77.04	7.61
	105.8	53.61	6.70	66.73	7.43	70.08	7.75	71.05	7.83	72.01	7.87	73.94	7.96	75.87	8.04
	109.4	53.61	7.33	66.73	7.88	68.91	8.16	69.87	8.25	70.84	8.29	72.76	8.38	74.69	8.47
	111.2	53.61	7.03	64.22	7.57	66.15	7.83	67.11	7.92	68.08	7.96	70.01	8.04	71.93	8.13
	114.8	53.61	6.45	58.71	6.94	60.63	7.18	61.60	7.26	62.56	7.30	64.49	7.37	66.42	7.45
	116.6	53.61	6.15	55.95	6.62	57.88	6.85	58.84	6.93	59.80	6.96	61.73	7.04	63.66	7.11
	122	45.75	5.28	47.67	5.68	49.60	5.87	50.57	5.94	51.53	5.97	53.46	6.03	55.39	6.10
	125.6	40.23	4.69	42.16	5.05	44.09	5.22	45.05	5.28	46.02	5.31	47.94	5.36	49.87	5.42

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(˚FDB)	Indoor air temp													
		57.2˚FWB		60.8˚FWB		64.4˚FWB		66.2˚FWB		68.0˚FWB		71.6˚FWB		75.2˚FWB	
		68.0˚FDB		73.4˚FDB		78.8˚FDB		80.6˚FDB		82.4˚FDB		86.0˚FDB		89.6˚FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
110%	23	49.14	2.09	61.17	2.62	73.19	3.17	79.20	3.44	85.21	3.75	97.23	4.04	101.60	4.17
	32	49.14	2.11	61.17	2.64	73.19	3.20	79.20	3.47	85.21	3.78	96.74	4.09	98.67	4.22
	39.2	49.14	2.12	61.17	2.66	73.19	3.22	79.20	3.50	85.21	3.81	94.39	4.12	96.32	4.26
	44.6	49.14	2.13	61.17	2.67	73.19	3.24	79.20	3.52	85.21	3.84	92.63	4.14	94.55	4.29
	50	49.14	2.14	61.17	2.69	73.19	3.25	79.20	3.54	85.21	3.86	90.86	4.17	92.79	4.32
	53.6	49.14	2.18	61.17	2.73	73.19	3.31	79.20	3.61	85.21	3.93	89.69	4.25	91.62	4.42
	57.2	49.14	2.22	61.17	2.78	73.19	3.37	79.20	3.67	85.21	4.01	88.51	4.33	90.44	4.52
	60.8	49.14	2.25	61.17	2.83	73.19	3.43	79.20	3.74	85.21	4.08	87.34	4.42	89.27	4.73
	64.4	49.14	2.29	61.17	2.87	73.19	3.48	79.20	3.80	84.24	4.34	86.16	4.65	88.09	4.94
	68	49.14	2.32	61.17	2.92	73.19	3.77	79.20	4.12	83.06	4.60	84.99	4.88	86.92	5.15
	69.8	49.14	2.34	61.17	2.94	73.19	3.91	79.20	4.28	82.47	4.73	84.40	5.00	86.33	5.25
	73.4	49.14	2.38	61.17	3.30	73.19	4.19	79.20	4.60	81.30	4.99	83.23	5.23	85.16	5.46
	77	49.14	2.70	61.17	3.65	73.19	4.48	79.16	4.92	80.12	5.25	82.05	5.46	83.98	5.67
	80.6	49.14	3.02	61.17	4.01	73.19	4.76	77.99	5.24	78.95	5.51	80.88	5.69	82.81	5.88
	84.2	49.14	3.34	61.17	4.36	73.19	5.05	76.81	5.55	77.77	5.77	79.70	5.92	81.63	6.09
	86	49.14	3.50	61.17	4.54	73.19	5.19	76.22	5.71	77.19	5.90	79.12	6.04	81.04	6.20
	87.8	49.14	3.66	61.17	4.72	73.19	5.33	75.64	5.87	76.60	6.03	78.53	6.15	80.46	6.30
	91.4	49.14	3.98	61.17	5.07	73.19	5.62	74.46	6.19	75.42	6.29	77.35	6.38	79.28	6.51
	95	49.14	4.30	61.17	5.43	72.32	5.90	73.29	6.51	74.25	6.55	76.18	6.62	78.11	6.72
	98.6	49.14	4.87	61.17	5.84	71.15	6.27	72.11	6.92	73.07	6.96	75.00	7.03	76.93	7.15
	102.2	49.14	5.44	61.17	6.26	69.97	6.65	70.94	7.33	71.90	7.37	73.83	7.45	75.76	7.57
	105.8	49.14	6.01	61.17	6.68	68.80	7.02	69.76	7.75	70.73	7.79	72.65	7.87	74.58	8.00
	109.4	49.14	6.58	61.17	7.10	67.62	7.39	68.59	8.16	69.55	8.20	71.48	8.29	73.41	8.42
	111.2	49.14	6.32	61.17	6.81	64.86	7.10	65.83	7.83	66.79	7.88	68.72	7.96	70.65	8.09
	114.8	49.14	5.79	57.42	6.25	59.35	6.51	60.31	7.18	61.28	7.22	63.20	7.30	65.13	7.41
	116.6	49.14	5.53	54.66	5.96	56.59	6.21	57.55	6.85	58.52	6.89	60.45	6.96	62.38	7.08
	122	44.46	4.74	46.39	5.11	48.32	5.32	49.28	5.87	50.25	5.91	52.17	5.97	54.10	6.06
	125.6	38.95	4.21	40.87	4.54	42.80	4.73	43.77	5.22	44.73	5.25	46.66	5.31	48.59	5.39

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(˚FDB)	Indoor air temp													
		57.2˚FWB		60.8˚FWB		64.4˚FWB		66.2˚FWB		68.0˚FWB		71.6˚FWB		75.2˚FWB	
		68.0˚FDB		73.4˚FDB		78.8˚FDB		80.6˚FDB		82.4˚FDB		86.0˚FDB		89.6˚FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
100%	23	44.68	1.91	55.61	2.37	66.54	2.87	72.00	3.13	77.46	3.38	88.39	3.91	99.32	4.07
	32	44.68	1.93	55.61	2.39	66.54	2.89	72.00	3.16	77.46	3.41	88.39	3.95	97.38	4.11
	39.2	44.68	1.94	55.61	2.41	66.54	2.91	72.00	3.19	77.46	3.44	88.39	3.97	95.03	4.15
	44.6	44.68	1.95	55.61	2.42	66.54	2.93	72.00	3.20	77.46	3.46	88.39	4.00	93.27	4.17
	50	44.68	1.96	55.61	2.43	66.54	2.94	72.00	3.22	77.46	3.48	88.39	4.02	91.51	4.20
	53.6	44.68	1.99	55.61	2.48	66.54	3.00	72.00	3.28	77.46	3.54	88.39	4.09	90.33	4.29
	57.2	44.68	2.02	55.61	2.52	66.54	3.05	72.00	3.34	77.46	3.61	87.23	4.17	89.16	4.38
	60.8	44.68	2.05	55.61	2.56	66.54	3.10	72.00	3.40	77.46	3.67	86.05	4.24	87.98	4.60
	64.4	44.68	2.08	55.61	2.60	66.54	3.15	72.00	3.45	77.46	3.74	84.88	4.48	86.81	4.81
	68	44.68	2.11	55.61	2.65	66.54	3.20	72.00	3.74	77.46	4.07	83.70	4.73	85.63	5.03
	69.8	44.68	2.13	55.61	2.67	66.54	3.34	72.00	3.89	77.46	4.23	83.12	4.85	85.04	5.14
	73.4	44.68	2.16	55.61	2.97	66.54	3.62	72.00	4.17	77.46	4.55	81.94	5.10	83.87	5.35
	77	44.68	2.43	55.61	3.27	66.54	3.89	72.00	4.46	77.46	4.88	80.77	5.35	82.69	5.57
	80.6	44.68	2.71	55.61	3.58	66.54	4.16	72.00	4.75	77.46	5.21	79.59	5.59	81.52	5.78
	84.2	44.68	2.98	55.61	3.88	66.54	4.44	72.00	5.04	76.49	5.53	78.42	5.84	80.35	6.00
	86	44.68	3.12	55.61	4.03	66.54	4.58	72.00	5.18	75.90	5.70	77.83	5.96	79.76	6.11
	87.8	44.68	3.26	55.61	4.19	66.54	4.71	72.00	5.32	75.31	5.86	77.24	6.09	79.17	6.22
	91.4	44.68	3.53	55.61	4.49	66.54	4.99	72.00	5.61	74.14	6.18	76.07	6.33	78.00	6.43
	95	44.68	3.81	55.61	4.79	66.54	5.26	72.00	5.90	72.96	6.51	74.89	6.58	76.82	6.65
	98.6	44.68	4.32	55.61	5.17	66.54	5.60	70.83	6.27	71.79	6.92	73.72	7.00	75.65	7.07
	102.2	44.68	4.83	55.61	5.55	66.54	5.93	69.65	6.65	70.61	7.33	72.54	7.41	74.47	7.49
	105.8	44.68	5.33	55.61	5.92	66.54	6.26	68.48	7.02	69.44	7.75	71.37	7.83	73.30	7.91
	109.4	44.68	5.84	55.61	6.30	66.34	6.60	67.30	7.39	68.26	8.16	70.19	8.25	72.12	8.34
	111.2	44.68	5.61	55.61	6.05	63.58	6.33	64.54	7.10	65.51	7.83	67.43	7.92	69.36	8.00
	114.8	44.68	5.14	55.61	5.55	58.06	5.80	59.03	6.51	59.99	7.18	61.92	7.26	63.85	7.33
	116.6	44.68	4.91	53.38	5.29	55.31	5.54	56.27	6.21	57.23	6.85	59.16	6.93	61.09	7.00
	122	43.18	4.21	45.10	4.54	47.03	4.75	48.00	5.32	48.96	5.87	50.89	5.94	52.82	6.00
	125.6	37.66	3.74	39.59	4.03	41.52	4.22	42.48	4.73	43.44	5.22	45.37	5.28	47.30	5.33

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(˚FDB)	Indoor air temp													
		57.2˚FWB		60.8˚FWB		64.4˚FWB		66.2˚FWB		68.0˚FWB		71.6˚FWB		75.2˚FWB	
		68.0˚FDB		73.4˚FDB		78.8˚FDB		80.6˚FDB		82.4˚FDB		86.0˚FDB		89.6˚FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
90%	23	40.21	1.74	50.05	2.14	59.88	2.56	64.80	2.79	69.72	3.01	79.55	3.48	89.39	3.97
	32	40.21	1.75	50.05	2.15	59.88	2.59	64.80	2.81	69.72	3.04	79.55	3.51	89.39	4.01
	39.2	40.21	1.76	50.05	2.17	59.88	2.61	64.80	2.83	69.72	3.07	79.55	3.53	89.39	4.04
	44.6	40.21	1.77	50.05	2.18	59.88	2.62	64.80	2.85	69.72	3.08	79.55	3.55	89.39	4.06
	50	40.21	1.78	50.05	2.19	59.88	2.63	64.80	2.86	69.72	3.10	79.55	3.57	89.39	4.08
	53.6	40.21	1.81	50.05	2.23	59.88	2.68	64.80	2.91	69.72	3.16	79.55	3.64	89.05	4.16
	57.2	40.21	1.83	50.05	2.26	59.88	2.73	64.80	2.97	69.72	3.21	79.55	3.70	87.87	4.24
	60.8	40.21	1.86	50.05	2.30	59.88	2.77	64.80	3.02	69.72	3.27	79.55	3.76	86.70	4.31
	64.4	40.21	1.89	50.05	2.34	59.88	2.82	64.80	3.07	69.72	3.33	79.55	3.83	85.52	4.55
	68	40.21	1.91	50.05	2.37	59.88	2.87	64.80	3.12	69.72	3.39	79.55	4.14	84.35	4.79
	69.8	40.21	1.93	50.05	2.39	59.88	2.89	64.80	3.25	69.72	3.54	79.55	4.30	83.76	4.91
	73.4	40.21	1.95	50.05	2.43	59.88	3.13	64.80	3.51	69.72	3.84	79.55	4.62	82.58	5.15
	77	40.21	1.98	50.05	2.72	59.88	3.36	64.80	3.77	69.72	4.14	79.48	4.93	81.41	5.39
	80.6	40.21	2.25	50.05	3.01	59.88	3.59	64.80	4.03	69.72	4.44	78.31	5.25	80.23	5.63
	84.2	40.21	2.52	50.05	3.29	59.88	3.83	64.80	4.29	69.72	4.74	77.13	5.56	79.06	5.86
	86	40.21	2.66	50.05	3.44	59.88	3.94	64.80	4.42	69.72	4.89	76.54	5.72	78.47	5.98
	87.8	40.21	2.80	50.05	3.58	59.88	4.06	64.80	4.55	69.72	5.04	75.96	5.88	77.88	6.10
	91.4	40.21	3.07	50.05	3.87	59.88	4.29	64.80	4.81	69.72	5.34	74.78	6.19	76.71	6.34
	95	40.21	3.34	50.05	4.16	59.88	4.53	64.80	5.07	69.72	5.64	73.61	6.51	75.53	6.58
	98.6	40.21	3.78	50.05	4.48	59.88	4.82	64.80	5.39	69.72	6.00	72.43	6.92	74.36	7.00
	102.2	40.21	4.21	50.05	4.81	59.88	5.10	64.80	5.71	69.33	6.36	71.26	7.33	73.18	7.41
	105.8	40.21	4.64	50.05	5.13	59.88	5.39	64.80	6.03	68.15	6.72	70.08	7.75	72.01	7.83
	109.4	40.21	5.07	50.05	5.45	59.88	5.68	64.80	6.36	66.98	7.08	68.91	8.16	70.84	8.25
	111.2	40.21	4.87	50.05	5.23	59.88	5.45	63.26	6.10	64.22	6.79	66.15	7.83	68.08	7.92
	114.8	40.21	4.46	50.05	4.79	56.78	4.99	57.74	5.59	58.71	6.23	60.63	7.18	62.56	7.26
	116.6	40.21	4.26	50.05	4.58	54.02	4.77	54.98	5.34	55.95	5.94	57.88	6.85	59.80	6.93
	122	40.21	3.65	43.82	3.92	45.75	4.09	46.71	4.58	47.67	5.09	49.60	5.87	51.53	5.94
	125.6	36.37	3.25	38.30	3.49	40.23	3.63	41.19	4.07	42.16	4.53	44.09	5.22	46.01	5.28

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(˚FDB)	Indoor air temp													
		57.2˚FWB		60.8˚FWB		64.4˚FWB		66.2˚FWB		68.0˚FWB		71.6˚FWB		75.2˚FWB	
		68.0˚FDB		73.4˚FDB		78.8˚FDB		80.6˚FDB		82.4˚FDB		86.0˚FDB		89.6˚FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
80%	23	35.74	1.57	44.48	1.91	53.23	2.28	57.60	2.47	61.97	2.66	70.72	3.07	79.46	3.48
	32	35.74	1.58	44.48	1.93	53.23	2.30	57.60	2.49	61.97	2.69	70.72	3.10	79.46	3.51
	39.2	35.74	1.59	44.48	1.94	53.23	2.31	57.60	2.51	61.97	2.71	70.72	3.12	79.46	3.53
	44.6	35.74	1.60	44.48	1.95	53.23	2.33	57.60	2.52	61.97	2.72	70.72	3.14	79.46	3.55
	50	35.74	1.60	44.48	1.96	53.23	2.34	57.60	2.54	61.97	2.74	70.72	3.15	79.46	3.57
	53.6	35.74	1.63	44.48	1.99	53.23	2.38	57.60	2.58	61.97	2.79	70.72	3.21	79.46	3.64
	57.2	35.74	1.65	44.48	2.02	53.23	2.42	57.60	2.62	61.97	2.83	70.72	3.26	79.46	3.70
	60.8	35.74	1.67	44.48	2.05	53.23	2.46	57.60	2.67	61.97	2.88	70.72	3.32	79.46	3.76
	64.4	35.74	1.70	44.48	2.08	53.23	2.50	57.60	2.71	61.97	2.93	70.72	3.37	79.46	3.83
	68	35.74	1.72	44.48	2.11	53.23	2.53	57.60	2.75	61.97	2.98	70.72	3.65	79.46	4.14
	69.8	35.74	1.73	44.48	2.13	53.23	2.55	57.60	2.78	61.97	3.01	70.72	3.79	79.46	4.30
	73.4	35.74	1.76	44.48	2.16	53.23	2.74	57.60	2.99	61.97	3.26	70.72	4.08	79.46	4.62
	77	35.74	1.78	44.48	2.40	53.23	2.94	57.60	3.21	61.97	3.51	70.72	4.36	79.46	4.93
	80.6	35.74	2.01	44.48	2.64	53.23	3.13	57.60	3.43	61.97	3.77	70.72	4.64	78.95	5.25
	84.2	35.74	2.23	44.48	2.87	53.23	3.32	57.60	3.65	61.97	4.02	70.72	4.92	77.77	5.56
	86	35.74	2.35	44.48	2.99	53.23	3.41	57.60	3.76	61.97	4.15	70.72	5.07	77.19	5.72
	87.8	35.74	2.46	44.48	3.11	53.23	3.51	57.60	3.87	61.97	4.28	70.72	5.21	76.60	5.88
	91.4	35.74	2.69	44.48	3.35	53.23	3.70	57.60	4.09	61.97	4.53	70.72	5.49	75.42	6.19
	95	35.74	2.91	44.48	3.59	53.23	3.89	57.60	4.31	61.97	4.78	70.72	5.77	74.25	6.51
	98.6	35.74	3.28	44.48	3.86	53.23	4.14	57.60	4.58	61.97	5.09	70.72	6.14	73.07	6.92
	102.2	35.74	3.64	44.48	4.14	53.23	4.38	57.60	4.85	61.97	5.39	69.97	6.50	71.90	7.33
	105.8	35.74	4.01	44.48	4.41	53.23	4.63	57.60	5.12	61.97	5.69	68.80	6.87	70.72	7.75
	109.4	35.74	4.38	44.48	4.69	53.23	4.88	57.60	5.40	61.97	6.00	67.62	7.23	69.55	8.16
	111.2	35.74	4.20	44.48	4.50	53.23	4.68	57.60	5.18	61.97	5.76	64.86	6.95	66.79	7.83
	114.8	35.74	3.85	44.48	4.13	53.23	4.29	56.46	4.75	57.42	5.28	59.35	6.37	61.28	7.18
	116.6	35.74	3.68	44.48	3.94	52.73	4.10	53.70	4.53	54.66	5.04	56.59	6.08	58.52	6.85
	122	35.74	3.15	42.53	3.38	44.46	3.51	45.42	3.89	46.39	4.32	48.32	5.21	50.24	5.87
	125.6	35.09	2.80	37.02	3.00	38.94	3.12	39.91	3.45	40.87	3.84	42.80	4.63	44.73	5.22

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(˚FDB)	Indoor air temp													
		57.2˚FWB		60.8˚FWB		64.4˚FWB		66.2˚FWB		68.0˚FWB		71.6˚FWB		75.2˚FWB	
		68.0˚FDB		73.4˚FDB		78.8˚FDB		80.6˚FDB		82.4˚FDB		86.0˚FDB		89.6˚FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
70%	23	31.27	1.41	38.92	1.70	46.57	2.00	50.40	2.16	54.23	2.32	61.88	2.66	69.53	3.02
	32	31.27	1.42	38.92	1.71	46.57	2.02	50.40	2.18	54.23	2.35	61.88	2.69	69.53	3.05
	39.2	31.27	1.43	38.92	1.72	46.57	2.03	50.40	2.19	54.23	2.36	61.88	2.71	69.53	3.07
	44.6	31.27	1.44	38.92	1.73	46.57	2.04	50.40	2.21	54.23	2.37	61.88	2.72	69.53	3.08
	50	31.27	1.44	38.92	1.73	46.57	2.05	50.40	2.22	54.23	2.39	61.88	2.74	69.53	3.10
	53.6	31.27	1.46	38.92	1.76	46.57	2.08	50.40	2.25	54.23	2.43	61.88	2.79	69.53	3.15
	57.2	31.27	1.48	38.92	1.79	46.57	2.12	50.40	2.29	54.23	2.47	61.88	2.83	69.53	3.20
	60.8	31.27	1.50	38.92	1.81	46.57	2.15	50.40	2.32	54.23	2.51	61.88	2.88	69.53	3.25
	64.4	31.27	1.52	38.92	1.84	46.57	2.18	50.40	2.36	54.23	2.55	61.88	2.93	69.53	3.30
	68	31.27	1.54	38.92	1.86	46.57	2.22	50.40	2.40	54.23	2.59	61.88	2.98	69.53	3.36
	69.8	31.27	1.55	38.92	1.88	46.57	2.23	50.40	2.42	54.23	2.61	61.88	3.10	69.53	3.51
	73.4	31.27	1.57	38.92	1.90	46.57	2.26	50.40	2.45	54.23	2.80	61.88	3.34	69.53	3.81
	77	31.27	1.59	38.92	1.93	46.57	2.43	50.40	2.65	54.23	3.00	61.88	3.58	69.53	4.12
	80.6	31.27	1.77	38.92	2.15	46.57	2.60	50.40	2.85	54.23	3.20	61.88	3.82	69.53	4.42
	84.2	31.27	1.96	38.92	2.38	46.57	2.77	50.40	3.04	54.23	3.40	61.88	4.06	69.53	4.73
	86	31.27	2.05	38.92	2.49	46.57	2.86	50.40	3.14	54.23	3.49	61.88	4.18	69.53	4.88
	87.8	31.27	2.14	38.92	2.60	46.57	2.94	50.40	3.24	54.23	3.59	61.88	4.30	69.53	5.03
	91.4	31.27	2.33	38.92	2.83	46.57	3.11	50.40	3.44	54.23	3.79	61.88	4.54	69.53	5.34
	95	31.27	2.51	38.92	3.05	46.57	3.28	50.40	3.64	54.23	3.99	61.88	4.78	69.53	5.64
	98.6	31.27	2.81	38.92	3.28	46.57	3.49	50.40	3.87	54.23	4.24	61.88	5.09	69.53	6.00
	102.2	31.27	3.12	38.92	3.51	46.57	3.70	50.40	4.10	54.23	4.49	61.88	5.39	69.53	6.36
	105.8	31.27	3.42	38.92	3.74	46.57	3.91	50.40	4.33	54.23	4.74	61.88	5.69	69.44	6.72
	109.4	31.27	3.72	38.92	3.97	46.57	4.12	50.40	4.56	54.23	5.00	61.88	6.00	68.26	7.08
	111.2	31.27	3.58	38.92	3.81	46.57	3.95	50.40	4.37	54.23	4.80	61.88	5.76	65.51	6.79
	114.8	31.27	3.28	38.92	3.50	46.57	3.62	50.40	4.01	54.23	4.40	58.06	5.28	59.99	6.23
	116.6	31.27	3.13	38.92	3.34	46.57	3.46	50.40	3.83	53.38	4.20	55.30	5.04	57.23	5.94
	122	31.27	2.68	38.92	2.86	43.17	2.96	44.14	3.28	45.10	3.60	47.03	4.32	48.96	5.09
	125.6	31.27	2.38	35.73	2.54	37.66	2.63	38.62	2.92	39.59	3.20	41.52	3.84	43.44	4.53

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(˚FDB)	Indoor air temp													
		57.2˚FWB		60.8˚FWB		64.4˚FWB		66.2˚FWB		68.0˚FWB		71.6˚FWB		75.2˚FWB	
		68.0˚FDB		73.4˚FDB		78.8˚FDB		80.6˚FDB		82.4˚FDB		86.0˚FDB		89.6˚FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
60%	23	26.81	1.26	33.36	1.49	39.92	1.74	43.20	1.87	46.48	2.00	53.04	2.28	59.59	2.56
	32	26.81	1.27	33.36	1.50	39.92	1.75	43.20	1.88	46.48	2.02	53.04	2.30	59.59	2.59
	39.2	26.81	1.28	33.36	1.51	39.92	1.76	43.20	1.90	46.48	2.03	53.04	2.31	59.59	2.61
	44.6	26.81	1.28	33.36	1.51	39.92	1.77	43.20	1.90	46.48	2.04	53.04	2.33	59.59	2.62
	50	26.81	1.29	33.36	1.52	39.92	1.78	43.20	1.91	46.48	2.05	53.04	2.34	59.59	2.63
	53.6	26.81	1.30	33.36	1.54	39.92	1.81	43.20	1.94	46.48	2.08	53.04	2.38	59.59	2.68
	57.2	26.81	1.32	33.36	1.56	39.92	1.83	43.20	1.97	46.48	2.12	53.04	2.42	59.59	2.73
	60.8	26.81	1.33	33.36	1.59	39.92	1.86	43.20	2.00	46.48	2.15	53.04	2.46	59.59	2.77
	64.4	26.81	1.34	33.36	1.61	39.92	1.89	43.20	2.03	46.48	2.18	53.04	2.50	59.59	2.82
	68	26.81	1.36	33.36	1.63	39.92	1.91	43.20	2.06	46.48	2.22	53.04	2.53	59.59	2.87
	69.8	26.81	1.37	33.36	1.64	39.92	1.93	43.20	2.08	46.48	2.23	53.04	2.55	59.59	2.89
	73.4	26.81	1.38	33.36	1.66	39.92	1.95	43.20	2.11	46.48	2.26	53.04	2.74	59.59	3.13
	77	26.81	1.40	33.36	1.68	39.92	1.98	43.20	2.25	46.48	2.43	53.04	2.94	59.59	3.36
	80.6	26.81	1.41	33.36	1.86	39.92	2.13	43.20	2.40	46.48	2.60	53.04	3.13	59.59	3.59
	84.2	26.81	1.59	33.36	2.03	39.92	2.28	43.20	2.55	46.48	2.77	53.04	3.32	59.59	3.83
	86	26.81	1.69	33.36	2.12	39.92	2.35	43.20	2.62	46.48	2.86	53.04	3.41	59.59	3.94
	87.8	26.81	1.78	33.36	2.21	39.92	2.43	43.20	2.70	46.48	2.94	53.04	3.51	59.59	4.06
	91.4	26.81	1.96	33.36	2.38	39.92	2.58	43.20	2.85	46.48	3.11	53.04	3.70	59.59	4.29
	95	26.81	2.14	33.36	2.56	39.92	2.73	43.20	2.99	46.48	3.28	53.04	3.89	59.59	4.53
	98.6	26.81	2.39	33.36	2.75	39.92	2.90	43.20	3.18	46.48	3.49	53.04	4.14	59.59	4.82
	102.2	26.81	2.63	33.36	2.94	39.92	3.07	43.20	3.37	46.48	3.70	53.04	4.38	59.59	5.10
	105.8	26.81	2.88	33.36	3.12	39.92	3.24	43.20	3.56	46.48	3.91	53.04	4.63	59.59	5.39
	109.4	26.81	3.12	33.36	3.31	39.92	3.42	43.20	3.75	46.48	4.12	53.04	4.88	59.59	5.68
	111.2	26.81	3.00	33.36	3.18	39.92	3.28	43.20	3.60	46.48	3.95	53.04	4.68	59.59	5.45
	114.8	26.81	2.75	33.36	2.91	39.92	3.01	43.20	3.30	46.48	3.62	53.04	4.29	58.70	4.99
	116.6	26.81	2.62	33.36	2.78	39.92	2.87	43.20	3.15	46.48	3.46	53.04	4.10	55.95	4.77
	122	26.81	2.25	33.36	2.38	39.92	2.46	42.85	2.70	43.82	2.96	45.75	3.51	47.67	4.09
	125.6	26.81	2.00	33.36	2.12	36.37	2.19	37.34	2.40	38.30	2.63	40.23	3.12	42.16	3.63

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(˚FDB)	Indoor air temp													
		57.2˚FWB		60.8˚FWB		64.4˚FWB		66.2˚FWB		68.0˚FWB		71.6˚FWB		75.2˚FWB	
		68.0˚FDB		73.4˚FDB		78.8˚FDB		80.6˚FDB		82.4˚FDB		86.0˚FDB		89.6˚FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
50%	23	22.34	1.12	27.80	1.30	33.27	1.49	36.00	1.59	38.73	1.70	44.20	1.91	49.66	2.14
	32	22.34	1.12	27.80	1.31	33.27	1.50	36.00	1.60	38.73	1.71	44.20	1.93	49.66	2.15
	39.2	22.34	1.13	27.80	1.31	33.27	1.51	36.00	1.61	38.73	1.72	44.20	1.94	49.66	2.17
	44.6	22.34	1.13	27.80	1.32	33.27	1.51	36.00	1.62	38.73	1.73	44.20	1.95	49.66	2.18
	50	22.34	1.14	27.80	1.32	33.27	1.52	36.00	1.63	38.73	1.73	44.20	1.96	49.66	2.19
	53.6	22.34	1.15	27.80	1.34	33.27	1.54	36.00	1.65	38.73	1.76	44.20	1.99	49.66	2.23
	57.2	22.34	1.16	27.80	1.36	33.27	1.56	36.00	1.67	38.73	1.79	44.20	2.02	49.66	2.26
	60.8	22.34	1.17	27.80	1.37	33.27	1.59	36.00	1.70	38.73	1.81	44.20	2.05	49.66	2.30
	64.4	22.34	1.19	27.80	1.39	33.27	1.61	36.00	1.72	38.73	1.84	44.20	2.08	49.66	2.34
	68	22.34	1.20	27.80	1.40	33.27	1.63	36.00	1.74	38.73	1.86	44.20	2.11	49.66	2.37
	69.8	22.34	1.21	27.80	1.41	33.27	1.64	36.00	1.76	38.73	1.88	44.20	2.13	49.66	2.39
	73.4	22.34	1.22	27.80	1.43	33.27	1.66	36.00	1.78	38.73	1.90	44.20	2.16	49.66	2.43
	77	22.34	1.23	27.80	1.44	33.27	1.68	36.00	1.80	38.73	1.93	44.20	2.31	49.66	2.62
	80.6	22.34	1.24	27.80	1.46	33.27	1.79	36.00	1.93	38.73	2.07	44.20	2.47	49.66	2.81
	84.2	22.34	1.38	27.80	1.62	33.27	1.90	36.00	2.05	38.73	2.21	44.20	2.62	49.66	3.00
	86	22.34	1.46	27.80	1.71	33.27	1.95	36.00	2.12	38.73	2.28	44.20	2.70	49.66	3.09
	87.8	22.34	1.53	27.80	1.79	33.27	2.01	36.00	2.18	38.73	2.35	44.20	2.78	49.66	3.19
	91.4	22.34	1.67	27.80	1.95	33.27	2.12	36.00	2.30	38.73	2.50	44.20	2.93	49.66	3.38
	95	22.34	1.81	27.80	2.12	33.27	2.23	36.00	2.43	38.73	2.64	44.20	3.09	49.66	3.57
	98.6	22.34	2.00	27.80	2.27	33.27	2.37	36.00	2.58	38.73	2.81	44.20	3.28	49.66	3.80
	102.2	22.34	2.20	27.80	2.42	33.27	2.51	36.00	2.74	38.73	2.98	44.20	3.48	49.66	4.02
	105.8	22.34	2.39	27.80	2.57	33.27	2.65	36.00	2.89	38.73	3.14	44.20	3.67	49.66	4.25
	109.4	22.34	2.59	27.80	2.72	33.27	2.79	36.00	3.05	38.73	3.31	44.20	3.87	49.66	4.48
	111.2	22.34	2.48	27.80	2.61	33.27	2.68	36.00	2.92	38.73	3.18	44.20	3.71	49.66	4.30
	114.8	22.34	2.28	27.80	2.40	33.27	2.46	36.00	2.68	38.73	2.91	44.20	3.40	49.66	3.94
	116.6	22.34	2.17	27.80	2.29	33.27	2.35	36.00	2.56	38.73	2.78	44.20	3.25	49.66	3.76
	122	22.34	1.86	27.80	1.96	33.27	2.01	36.00	2.19	38.73	2.38	44.20	2.79	46.39	3.22
	125.6	22.34	1.66	27.80	1.74	33.27	1.79	36.00	1.95	37.02	2.12	38.94	2.48	40.87	2.87

GMV-VQ96WM/C-W

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
135%	23	80.42	3.53	100.09	4.48	119.76	5.45	129.60	5.61	134.62	5.84	137.19	5.98	139.76	6.06
	32	80.42	3.56	100.09	4.52	119.76	5.50	129.41	5.66	130.70	5.90	133.27	6.06	135.84	6.15
	39.2	80.42	3.58	100.09	4.55	119.76	5.54	126.28	5.71	127.57	5.95	130.14	6.11	132.71	6.22
	44.6	80.42	3.60	100.09	4.57	119.76	5.57	123.93	5.75	125.22	5.99	127.79	6.16	130.36	6.28
	50	80.42	3.62	100.09	4.60	119.76	5.60	121.58	5.78	122.87	6.03	125.44	6.20	128.01	6.33
	53.6	80.42	3.68	100.09	4.67	118.73	5.70	120.02	5.90	121.30	6.16	123.87	6.35	126.44	6.60
	57.2	80.42	3.74	100.09	4.75	117.16	5.79	118.45	6.01	119.73	6.29	122.30	6.63	124.88	6.88
	60.8	80.42	3.80	100.09	4.82	115.60	5.89	116.88	6.13	118.17	6.60	120.74	6.92	123.31	7.15
	64.4	80.42	3.87	100.09	4.90	114.03	6.26	115.32	6.48	116.60	6.90	119.17	7.21	121.74	7.42
	68	80.42	3.93	100.09	5.42	112.46	6.63	113.75	6.82	115.03	7.21	117.61	7.49	120.18	7.69
	69.8	80.42	3.96	100.09	5.68	111.68	6.81	112.97	7.00	114.25	7.36	116.82	7.64	119.39	7.83
	73.4	80.42	4.47	100.09	6.19	110.11	7.18	111.40	7.35	112.68	7.66	115.26	7.92	117.83	8.10
	77	80.42	4.97	100.09	6.71	108.55	7.55	109.83	7.70	111.12	7.97	113.69	8.21	116.26	8.38
	80.6	80.42	5.48	100.09	7.23	106.98	7.92	108.27	8.05	109.55	8.27	112.12	8.49	114.69	8.65
	84.2	80.42	5.99	100.09	7.75	105.41	8.29	106.70	8.39	107.98	8.58	110.56	8.78	113.13	8.92
	86	80.42	6.24	100.09	8.01	104.63	8.47	105.92	8.57	107.20	8.73	109.77	8.92	112.34	9.06
	87.8	80.42	6.50	100.09	8.27	103.85	8.65	105.13	8.74	106.42	8.88	108.99	9.07	111.56	9.19
	91.4	80.42	7.00	99.71	8.78	102.28	9.02	103.57	9.09	104.85	9.19	107.42	9.35	109.99	9.47
	95	80.42	7.51	98.14	9.30	100.71	9.39	102.00	9.44	103.29	9.49	105.86	9.64	108.43	9.74
	98.6	80.42	8.39	96.58	9.90	99.15	9.99	100.43	10.04	101.72	10.09	104.29	10.25	106.86	10.36
	102.2	80.42	9.27	95.01	10.51	97.58	10.58	98.87	10.64	100.15	10.69	102.72	10.86	105.29	10.97
	105.8	80.42	10.15	93.44	11.11	96.01	11.18	97.30	11.23	98.59	11.29	101.16	11.47	103.73	11.59
	109.4	80.42	11.02	91.88	11.71	94.45	11.77	95.73	11.83	97.02	11.90	99.59	12.08	102.16	12.21
	111.2	80.42	10.58	88.20	11.25	90.77	11.30	92.06	11.36	93.34	11.42	95.91	11.60	98.48	11.72
	114.8	78.28	9.70	80.85	10.31	83.42	10.36	84.70	10.41	85.99	10.47	88.56	10.63	91.13	10.74
	116.6	74.60	9.26	77.17	9.84	79.74	9.89	81.03	9.94	82.31	9.99	84.88	10.15	87.45	10.25
	122	63.57	7.94	66.14	8.43	68.71	8.47	69.99	8.52	71.28	8.56	73.85	8.70	76.42	8.79
	125.6	56.21	7.06	58.78	7.50	61.35	7.53	62.64	7.57	63.93	7.61	66.50	7.73	69.07	7.81

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
120%	23	71.48	3.25	88.97	4.09	106.46	4.96	115.20	5.44	123.94	5.60	134.62	5.92	137.19	6.00
	32	71.48	3.28	88.97	4.13	106.46	5.01	115.20	5.49	123.94	5.66	130.70	5.99	133.27	6.08
	39.2	71.48	3.30	88.97	4.16	106.46	5.04	115.20	5.54	123.94	5.71	127.57	6.04	130.14	6.15
	44.6	71.48	3.32	88.97	4.18	106.46	5.07	115.20	5.57	122.65	5.74	125.22	6.08	127.79	6.20
	50	71.48	3.34	88.97	4.20	106.46	5.10	115.20	5.60	120.30	5.78	122.87	6.12	125.44	6.25
	53.6	71.48	3.39	88.97	4.28	106.46	5.19	115.20	5.70	118.73	5.90	121.30	6.25	123.87	6.41
	57.2	71.48	3.45	88.97	4.35	106.46	5.28	115.20	5.81	117.16	6.02	119.73	6.38	122.30	6.69
	60.8	71.48	3.50	88.97	4.42	106.46	5.37	114.31	5.91	115.60	6.14	118.17	6.68	120.74	6.97
	64.4	71.48	3.56	88.97	4.50	106.46	5.46	112.74	6.28	114.03	6.48	116.60	6.98	119.17	7.25
	68	71.48	3.62	88.97	4.57	106.46	5.91	111.18	6.64	112.46	6.83	115.03	7.28	117.60	7.53
	69.8	71.48	3.64	88.97	4.85	106.46	6.13	110.39	6.83	111.68	7.01	114.25	7.43	116.82	7.67
	73.4	71.48	4.10	88.97	5.39	106.46	6.58	108.83	7.19	110.11	7.35	112.68	7.74	115.25	7.96
	77	71.48	4.56	88.97	5.94	105.98	7.03	107.26	7.56	108.55	7.70	111.12	8.04	113.69	8.24
	80.6	71.48	5.02	88.97	6.48	104.41	7.49	105.69	7.93	106.98	8.05	109.55	8.34	112.12	8.52
	84.2	71.48	5.48	88.97	7.03	102.84	7.94	104.13	8.29	105.41	8.40	107.98	8.64	110.56	8.80
	86	71.48	5.71	88.97	7.30	102.06	8.16	103.34	8.48	104.63	8.57	107.20	8.79	109.77	8.94
	87.8	71.48	5.94	88.97	7.57	101.28	8.39	102.56	8.66	103.85	8.74	106.42	8.94	108.99	9.08
	91.4	71.48	6.40	88.97	8.12	99.71	8.84	101.00	9.02	102.28	9.09	104.85	9.24	107.42	9.36
	95	71.48	6.86	88.97	8.66	98.14	9.29	99.43	9.39	100.71	9.44	103.28	9.54	105.86	9.64
	98.6	71.48	7.76	88.97	9.31	96.58	9.88	97.86	9.99	99.15	10.04	101.72	10.14	104.29	10.25
	102.2	71.48	8.66	88.97	9.96	95.01	10.47	96.30	10.58	97.58	10.64	100.15	10.75	102.72	10.86
	105.8	71.48	9.56	88.97	10.60	93.44	11.06	94.73	11.18	96.01	11.23	98.59	11.35	101.16	11.47
	109.4	71.48	10.46	88.97	11.25	91.88	11.64	93.16	11.77	94.45	11.83	97.02	11.96	99.59	12.08
	111.2	71.48	10.04	85.63	10.80	88.20	11.18	89.49	11.30	90.77	11.36	93.34	11.48	95.91	11.60
	114.8	71.48	9.20	78.27	9.90	80.85	10.25	82.13	10.36	83.42	10.41	85.99	10.52	88.56	10.63
	116.6	71.48	8.78	74.60	9.45	77.17	9.78	78.45	9.89	79.74	9.94	82.31	10.04	84.88	10.15
	122	61.00	7.53	63.57	8.10	66.14	8.38	67.42	8.47	68.71	8.52	71.28	8.61	73.85	8.70
	125.6	53.64	6.69	56.21	7.20	58.78	7.45	60.07	7.53	61.35	7.57	63.92	7.65	66.50	7.73

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
110%	23	65.52	2.98	81.55	3.73	97.58	4.52	105.60	4.91	113.62	5.35	129.65	5.77	135.47	5.94
	32	65.52	3.01	81.55	3.77	97.58	4.56	105.60	4.96	113.62	5.40	128.98	5.83	131.56	6.02
	39.2	65.52	3.03	81.55	3.79	97.58	4.59	105.60	5.00	113.62	5.44	125.85	5.88	128.42	6.08
	44.6	65.52	3.04	81.55	3.81	97.58	4.62	105.60	5.02	113.62	5.48	123.50	5.91	126.07	6.12
	50	65.52	3.06	81.55	3.83	97.58	4.64	105.60	5.05	113.62	5.51	121.15	5.95	123.72	6.16
	53.6	65.52	3.11	81.55	3.90	97.58	4.72	105.60	5.15	113.62	5.61	119.59	6.07	122.16	6.31
	57.2	65.52	3.16	81.55	3.97	97.58	4.81	105.60	5.24	113.62	5.72	118.02	6.19	120.59	6.45
	60.8	65.52	3.21	81.55	4.03	97.58	4.89	105.60	5.33	113.62	5.83	116.45	6.30	119.02	6.75
	64.4	65.52	3.26	81.55	4.10	97.58	4.97	105.60	5.43	112.32	6.20	114.89	6.63	117.46	7.05
	68	65.52	3.32	81.55	4.17	97.58	5.38	105.60	5.88	110.75	6.57	113.32	6.96	115.89	7.35
	69.8	65.52	3.34	81.55	4.20	97.58	5.58	105.60	6.11	109.97	6.75	112.54	7.13	115.11	7.50
	73.4	65.52	3.39	81.55	4.71	97.58	5.98	105.60	6.56	108.40	7.12	110.97	7.46	113.54	7.80
	77	65.52	3.85	81.55	5.21	97.58	6.39	105.55	7.02	106.83	7.49	109.40	7.79	111.97	8.10
	80.6	65.52	4.31	81.55	5.72	97.58	6.80	103.98	7.47	105.27	7.86	107.84	8.12	110.41	8.40
	84.2	65.52	4.76	81.55	6.22	97.58	7.20	102.41	7.93	103.70	8.23	106.27	8.45	108.84	8.69
	86	65.52	4.99	81.55	6.48	97.58	7.41	101.63	8.15	102.92	8.42	105.49	8.62	108.06	8.84
	87.8	65.52	5.22	81.55	6.73	97.58	7.61	100.85	8.38	102.13	8.60	104.70	8.78	107.27	8.99
	91.4	65.52	5.68	81.55	7.24	97.58	8.01	99.28	8.84	100.57	8.97	103.14	9.11	105.71	9.29
	95	65.52	6.13	81.55	7.74	96.43	8.42	97.71	9.29	99.00	9.34	101.57	9.44	104.14	9.59
	98.6	65.52	6.95	81.55	8.34	94.86	8.95	96.15	9.88	97.43	9.93	100.00	10.04	102.57	10.20
	102.2	65.52	7.77	81.55	8.94	93.30	9.49	94.58	10.47	95.87	10.52	98.44	10.64	101.01	10.81
	105.8	65.52	8.58	81.55	9.53	91.73	10.02	93.01	11.06	94.30	11.12	96.87	11.23	99.44	11.41
	109.4	65.52	9.40	81.55	10.13	90.16	10.55	91.45	11.64	92.73	11.71	95.30	11.83	97.88	12.02
	111.2	65.52	9.02	81.55	9.72	86.49	10.13	87.77	11.18	89.06	11.24	91.63	11.36	94.20	11.54
	114.8	65.52	8.27	76.56	8.91	79.13	9.29	80.42	10.25	81.70	10.30	84.27	10.41	86.84	10.58
	116.6	65.52	7.89	72.88	8.51	75.45	8.86	76.74	9.78	78.03	9.83	80.60	9.94	83.17	10.10
	122	59.28	6.77	61.85	7.29	64.42	7.60	65.71	8.38	66.99	8.43	69.56	8.52	72.14	8.65
	125.6	51.93	6.01	54.50	6.48	57.07	6.75	58.35	7.45	59.64	7.49	62.21	7.57	64.78	7.69

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
100%	23	59.57	2.73	74.14	3.38	88.71	4.09	96.00	4.47	103.29	4.82	117.86	5.58	132.43	5.80
	32	59.57	2.75	74.14	3.41	88.71	4.13	96.00	4.51	103.29	4.87	117.86	5.63	129.84	5.87
	39.2	59.57	2.77	74.14	3.44	88.71	4.16	96.00	4.55	103.29	4.90	117.86	5.67	126.71	5.92
	44.6	59.57	2.78	74.14	3.45	88.71	4.18	96.00	4.57	103.29	4.93	117.86	5.70	124.36	5.96
	50	59.57	2.79	74.14	3.47	88.71	4.20	96.00	4.60	103.29	4.96	117.86	5.73	122.01	5.99
	53.6	59.57	2.84	74.14	3.53	88.71	4.28	96.00	4.68	103.29	5.06	117.86	5.84	120.44	6.12
	57.2	59.57	2.88	74.14	3.59	88.71	4.35	96.00	4.76	103.29	5.15	116.30	5.94	118.88	6.25
	60.8	59.57	2.93	74.14	3.65	88.71	4.42	96.00	4.85	103.29	5.24	114.74	6.05	117.31	6.56
	64.4	59.57	2.97	74.14	3.72	88.71	4.50	96.00	4.93	103.29	5.34	113.17	6.40	115.74	6.87
	68	59.57	3.01	74.14	3.78	88.71	4.57	96.00	5.34	103.29	5.80	111.61	6.75	114.18	7.18
	69.8	59.57	3.04	74.14	3.81	88.71	4.77	96.00	5.55	103.29	6.03	110.82	6.93	113.39	7.33
	73.4	59.57	3.08	74.14	4.24	88.71	5.16	96.00	5.96	103.29	6.50	109.26	7.28	111.83	7.64
	77	59.57	3.47	74.14	4.67	88.71	5.55	96.00	6.37	103.29	6.97	107.69	7.63	110.26	7.95
	80.6	59.57	3.87	74.14	5.11	88.71	5.94	96.00	6.78	103.29	7.43	106.12	7.98	108.69	8.26
	84.2	59.57	4.26	74.14	5.54	88.71	6.33	96.00	7.19	101.99	7.90	104.56	8.34	107.13	8.56
	86	59.57	4.45	74.14	5.76	88.71	6.53	96.00	7.39	101.20	8.13	103.77	8.51	106.34	8.72
	87.8	59.57	4.65	74.14	5.97	88.71	6.73	96.00	7.60	100.42	8.36	102.99	8.69	105.56	8.87
	91.4	59.57	5.04	74.14	6.41	88.71	7.12	96.00	8.01	98.85	8.83	101.42	9.04	103.99	9.18
	95	59.57	5.44	74.14	6.84	88.71	7.51	96.00	8.42	97.29	9.29	99.86	9.39	102.43	9.49
	98.6	59.57	6.16	74.14	7.38	88.71	7.99	94.43	8.95	95.72	9.88	98.29	9.99	100.86	10.09
	102.2	59.57	6.89	74.14	7.92	88.71	8.46	92.87	9.49	94.15	10.47	96.72	10.58	99.29	10.69
	105.8	59.57	7.61	74.14	8.45	88.71	8.94	91.30	10.02	92.59	11.06	95.16	11.18	97.73	11.29
	109.4	59.57	8.34	74.14	8.99	88.45	9.41	89.73	10.55	91.02	11.64	93.59	11.77	96.16	11.90
	111.2	59.57	8.01	74.14	8.63	84.77	9.04	86.06	10.13	87.34	11.18	89.91	11.30	92.48	11.42
	114.8	59.57	7.34	74.14	7.91	77.42	8.28	78.70	9.29	79.99	10.25	82.56	10.36	85.13	10.47
	116.6	59.57	7.00	71.17	7.55	73.74	7.91	75.03	8.86	76.31	9.78	78.88	9.89	81.45	9.99
	122	57.57	6.00	60.14	6.47	62.71	6.78	63.99	7.60	65.28	8.38	67.85	8.47	70.42	8.56
	125.6	50.21	5.34	52.78	5.76	55.35	6.02	56.64	6.75	57.93	7.45	60.50	7.53	63.07	7.61

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
90%	23	53.61	2.48	66.73	3.05	79.84	3.66	86.40	3.98	92.96	4.30	106.07	4.96	119.19	5.66
	32	53.61	2.50	66.73	3.08	79.84	3.69	86.40	4.01	92.96	4.34	106.07	5.01	119.19	5.72
	39.2	53.61	2.52	66.73	3.10	79.84	3.72	86.40	4.04	92.96	4.37	106.07	5.04	119.19	5.76
	44.6	53.61	2.53	66.73	3.11	79.84	3.74	86.40	4.07	92.96	4.40	106.07	5.07	119.19	5.79
	50	53.61	2.54	66.73	3.13	79.84	3.76	86.40	4.09	92.96	4.42	106.07	5.10	119.19	5.83
	53.6	53.61	2.58	66.73	3.18	79.84	3.83	86.40	4.16	92.96	4.51	106.07	5.19	118.73	5.93
	57.2	53.61	2.62	66.73	3.23	79.84	3.89	86.40	4.23	92.96	4.59	106.07	5.28	117.16	6.04
	60.8	53.61	2.65	66.73	3.28	79.84	3.96	86.40	4.31	92.96	4.67	106.07	5.37	115.59	6.15
	64.4	53.61	2.69	66.73	3.33	79.84	4.03	86.40	4.38	92.96	4.75	106.07	5.46	114.03	6.49
	68	53.61	2.73	66.73	3.38	79.84	4.09	86.40	4.45	92.96	4.83	106.07	5.91	112.46	6.83
	69.8	53.61	2.75	66.73	3.41	79.84	4.13	86.40	4.64	92.96	5.05	106.07	6.14	111.68	7.01
	73.4	53.61	2.79	66.73	3.46	79.84	4.46	86.40	5.01	92.96	5.48	106.07	6.59	110.11	7.35
	77	53.61	2.82	66.73	3.88	79.84	4.79	86.40	5.38	92.96	5.91	105.97	7.04	108.55	7.69
	80.6	53.61	3.21	66.73	4.29	79.84	5.13	86.40	5.75	92.96	6.34	104.41	7.49	106.98	8.03
	84.2	53.61	3.60	66.73	4.70	79.84	5.46	86.40	6.12	92.96	6.77	102.84	7.94	105.41	8.37
	86	53.61	3.80	66.73	4.91	79.84	5.63	86.40	6.31	92.96	6.98	102.06	8.16	104.63	8.54
	87.8	53.61	3.99	66.73	5.12	79.84	5.80	86.40	6.49	92.96	7.20	101.28	8.39	103.85	8.71
	91.4	53.61	4.38	66.73	5.53	79.84	6.13	86.40	6.87	92.96	7.63	99.71	8.84	102.28	9.05
	95	53.61	4.77	66.73	5.94	79.84	6.46	86.40	7.24	92.96	8.06	98.14	9.29	100.71	9.39
	98.6	53.61	5.39	66.73	6.40	79.84	6.87	86.40	7.70	92.96	8.57	96.58	9.88	99.15	9.99
	102.2	53.61	6.00	66.73	6.86	79.84	7.28	86.40	8.15	92.44	9.08	95.01	10.47	97.58	10.58
	105.8	53.61	6.62	66.73	7.32	79.84	7.69	86.40	8.61	90.87	9.59	93.44	11.06	96.01	11.18
	109.4	53.61	7.24	66.73	7.77	79.84	8.10	86.40	9.07	89.31	10.10	91.88	11.64	94.45	11.77
	111.2	53.61	6.95	66.73	7.46	79.84	7.78	84.34	8.71	85.63	9.69	88.20	11.18	90.77	11.30
	114.8	53.61	6.37	66.73	6.84	75.70	7.13	76.99	7.98	78.27	8.89	80.84	10.25	83.42	10.36
	116.6	53.61	6.08	66.73	6.53	72.03	6.80	73.31	7.62	74.60	8.48	77.17	9.78	79.74	9.89
	122	53.61	5.21	58.42	5.60	60.99	5.83	62.28	6.53	63.57	7.27	66.14	8.38	68.71	8.47
	125.6	48.50	4.63	51.07	4.98	53.64	5.18	54.93	5.80	56.21	6.46	58.78	7.45	61.35	7.53

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
80%	23	47.65	2.24	59.31	2.73	70.97	3.25	76.80	3.53	82.63	3.80	94.29	4.39	105.95	4.96
	32	47.65	2.26	59.31	2.75	70.97	3.28	76.80	3.56	82.63	3.84	94.29	4.42	105.95	5.01
	39.2	47.65	2.27	59.31	2.77	70.97	3.30	76.80	3.58	82.63	3.86	94.29	4.45	105.95	5.04
	44.6	47.65	2.28	59.31	2.78	70.97	3.32	76.80	3.60	82.63	3.88	94.29	4.48	105.95	5.07
	50	47.65	2.29	59.31	2.79	70.97	3.34	76.80	3.62	82.63	3.91	94.29	4.50	105.95	5.10
	53.6	47.65	2.32	59.31	2.84	70.97	3.39	76.80	3.68	82.63	3.97	94.29	4.58	105.95	5.19
	57.2	47.65	2.36	59.31	2.88	70.97	3.45	76.80	3.74	82.63	4.04	94.29	4.66	105.95	5.28
	60.8	47.65	2.39	59.31	2.93	70.97	3.50	76.80	3.80	82.63	4.11	94.29	4.73	105.95	5.37
	64.4	47.65	2.42	59.31	2.97	70.97	3.56	76.80	3.87	82.63	4.18	94.29	4.81	105.95	5.46
	68	47.65	2.46	59.31	3.01	70.97	3.62	76.80	3.93	82.63	4.25	94.29	5.21	105.95	5.91
	69.8	47.65	2.47	59.31	3.04	70.97	3.64	76.80	3.96	82.63	4.29	94.29	5.42	105.95	6.14
	73.4	47.65	2.51	59.31	3.08	70.97	3.92	76.80	4.27	82.63	4.65	94.29	5.82	105.95	6.59
	77	47.65	2.54	59.31	3.42	70.97	4.19	76.80	4.58	82.63	5.01	94.29	6.22	105.95	7.04
	80.6	47.65	2.86	59.31	3.76	70.97	4.46	76.80	4.90	82.63	5.38	94.29	6.63	105.26	7.49
	84.2	47.65	3.19	59.31	4.10	70.97	4.74	76.80	5.21	82.63	5.74	94.29	7.03	103.70	7.94
	86	47.65	3.35	59.31	4.27	70.97	4.87	76.80	5.36	82.63	5.92	94.29	7.23	102.91	8.16
	87.8	47.65	3.51	59.31	4.44	70.97	5.01	76.80	5.52	82.63	6.10	94.29	7.43	102.13	8.39
	91.4	47.65	3.83	59.31	4.78	70.97	5.28	76.80	5.83	82.63	6.46	94.29	7.83	100.57	8.84
	95	47.65	4.16	59.31	5.12	70.97	5.55	76.80	6.14	82.63	6.83	94.29	8.24	99.00	9.29
	98.6	47.65	4.68	59.31	5.51	70.97	5.90	76.80	6.53	82.63	7.26	94.29	8.76	97.43	9.88
	102.2	47.65	5.20	59.31	5.91	70.97	6.26	76.80	6.92	82.63	7.69	93.29	9.28	95.87	10.47
	105.8	47.65	5.72	59.31	6.30	70.97	6.61	76.80	7.31	82.63	8.12	91.73	9.80	94.30	11.06
	109.4	47.65	6.25	59.31	6.69	70.97	6.96	76.80	7.70	82.63	8.56	90.16	10.33	92.73	11.64
	111.2	47.65	6.00	59.31	6.42	70.97	6.68	76.80	7.39	82.63	8.21	86.48	9.91	89.06	11.18
	114.8	47.65	5.50	59.31	5.89	70.97	6.12	75.27	6.78	76.56	7.53	79.13	9.09	81.70	10.25
	116.6	47.65	5.25	59.31	5.62	70.31	5.85	71.60	6.47	72.88	7.19	75.45	8.67	78.02	9.78
	122	47.65	4.50	56.71	4.82	59.28	5.01	60.57	5.54	61.85	6.16	64.42	7.43	66.99	8.38
	125.6	46.78	4.00	49.36	4.28	51.93	4.45	53.21	4.93	54.50	5.48	57.07	6.61	59.64	7.45

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
70%	23	41.70	2.02	51.90	2.42	62.10	2.86	67.20	3.09	72.30	3.32	82.50	3.80	92.70	4.31
	32	41.70	2.03	51.90	2.44	62.10	2.88	67.20	3.11	72.30	3.35	82.50	3.84	92.70	4.35
	39.2	41.70	2.04	51.90	2.45	62.10	2.90	67.20	3.13	72.30	3.37	82.50	3.86	92.70	4.38
	44.6	41.70	2.05	51.90	2.47	62.10	2.91	67.20	3.15	72.30	3.39	82.50	3.88	92.70	4.40
	50	41.70	2.06	51.90	2.48	62.10	2.93	67.20	3.16	72.30	3.40	82.50	3.91	92.70	4.42
	53.6	41.70	2.08	51.90	2.51	62.10	2.97	67.20	3.21	72.30	3.46	82.50	3.97	92.70	4.50
	57.2	41.70	2.11	51.90	2.55	62.10	3.02	67.20	3.27	72.30	3.52	82.50	4.04	92.70	4.57
	60.8	41.70	2.14	51.90	2.59	62.10	3.07	67.20	3.32	72.30	3.58	82.50	4.11	92.70	4.64
	64.4	41.70	2.17	51.90	2.62	62.10	3.11	67.20	3.37	72.30	3.64	82.50	4.18	92.70	4.72
	68	41.70	2.19	51.90	2.66	62.10	3.16	67.20	3.42	72.30	3.69	82.50	4.25	92.70	4.79
	69.8	41.70	2.21	51.90	2.68	62.10	3.19	67.20	3.45	72.30	3.72	82.50	4.43	92.70	5.01
	73.4	41.70	2.23	51.90	2.71	62.10	3.23	67.20	3.50	72.30	4.00	82.50	4.77	92.70	5.44
	77	41.70	2.26	51.90	2.75	62.10	3.47	67.20	3.78	72.30	4.28	82.50	5.11	92.70	5.88
	80.6	41.70	2.53	51.90	3.07	62.10	3.72	67.20	4.06	72.30	4.56	82.50	5.45	92.70	6.31
	84.2	41.70	2.79	51.90	3.39	62.10	3.96	67.20	4.34	72.30	4.85	82.50	5.80	92.70	6.75
	86	41.70	2.92	51.90	3.55	62.10	4.08	67.20	4.48	72.30	4.99	82.50	5.97	92.70	6.97
	87.8	41.70	3.05	51.90	3.71	62.10	4.20	67.20	4.63	72.30	5.13	82.50	6.14	92.70	7.18
	91.4	41.70	3.32	51.90	4.04	62.10	4.45	67.20	4.91	72.30	5.41	82.50	6.48	92.70	7.62
	95	41.70	3.58	51.90	4.36	62.10	4.69	67.20	5.19	72.30	5.69	82.50	6.83	92.70	8.06
	98.6	41.70	4.02	51.90	4.68	62.10	4.98	67.20	5.52	72.30	6.05	82.50	7.26	92.70	8.57
	102.2	41.70	4.45	51.90	5.01	62.10	5.28	67.20	5.85	72.30	6.41	82.50	7.69	92.70	9.08
	105.8	41.70	4.88	51.90	5.34	62.10	5.58	67.20	6.17	72.30	6.77	82.50	8.12	92.58	9.59
	109.4	41.70	5.31	51.90	5.67	62.10	5.88	67.20	6.50	72.30	7.13	82.50	8.56	91.02	10.10
	111.2	41.70	5.10	51.90	5.44	62.10	5.64	67.20	6.24	72.30	6.85	82.50	8.21	87.34	9.69
	114.8	41.70	4.68	51.90	4.99	62.10	5.17	67.20	5.72	72.30	6.27	77.42	7.53	79.99	8.89
	116.6	41.70	4.46	51.90	4.76	62.10	4.94	67.20	5.46	71.17	5.99	73.74	7.19	76.31	8.48
	122	41.70	3.83	51.90	4.08	57.57	4.23	58.85	4.68	60.14	5.13	62.71	6.16	65.28	7.27
	125.6	41.70	3.40	47.64	3.63	50.21	3.76	51.50	4.16	52.78	4.56	55.35	5.48	57.92	6.46

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
60%	23	35.74	1.80	44.48	2.13	53.23	2.48	57.60	2.67	61.97	2.86	70.72	3.25	79.46	3.66
	32	35.74	1.81	44.48	2.14	53.23	2.50	57.60	2.69	61.97	2.88	70.72	3.28	79.46	3.69
	39.2	35.74	1.82	44.48	2.15	53.23	2.52	57.60	2.71	61.97	2.90	70.72	3.30	79.46	3.72
	44.6	35.74	1.83	44.48	2.16	53.23	2.53	57.60	2.72	61.97	2.91	70.72	3.32	79.46	3.74
	50	35.74	1.83	44.48	2.17	53.23	2.54	57.60	2.73	61.97	2.93	70.72	3.34	79.46	3.76
	53.6	35.74	1.86	44.48	2.20	53.23	2.58	57.60	2.77	61.97	2.97	70.72	3.39	79.46	3.83
	57.2	35.74	1.88	44.48	2.23	53.23	2.62	57.60	2.82	61.97	3.02	70.72	3.45	79.46	3.89
	60.8	35.74	1.90	44.48	2.26	53.23	2.65	57.60	2.86	61.97	3.07	70.72	3.50	79.46	3.96
	64.4	35.74	1.92	44.48	2.29	53.23	2.69	57.60	2.90	61.97	3.11	70.72	3.56	79.46	4.03
	68	35.74	1.94	44.48	2.32	53.23	2.73	57.60	2.94	61.97	3.16	70.72	3.62	79.46	4.09
	69.8	35.74	1.95	44.48	2.34	53.23	2.75	57.60	2.96	61.97	3.19	70.72	3.64	79.46	4.13
	73.4	35.74	1.97	44.48	2.37	53.23	2.79	57.60	3.01	61.97	3.23	70.72	3.92	79.46	4.46
	77	35.74	1.99	44.48	2.40	53.23	2.82	57.60	3.22	61.97	3.47	70.72	4.19	79.46	4.79
	80.6	35.74	2.01	44.48	2.65	53.23	3.04	57.60	3.43	61.97	3.72	70.72	4.46	79.46	5.13
	84.2	35.74	2.28	44.48	2.90	53.23	3.25	57.60	3.64	61.97	3.96	70.72	4.74	79.46	5.46
	86	35.74	2.41	44.48	3.03	53.23	3.36	57.60	3.75	61.97	4.08	70.72	4.87	79.46	5.63
	87.8	35.74	2.54	44.48	3.15	53.23	3.46	57.60	3.85	61.97	4.20	70.72	5.01	79.46	5.80
	91.4	35.74	2.80	44.48	3.40	53.23	3.68	57.60	4.06	61.97	4.45	70.72	5.28	79.46	6.13
	95	35.74	3.06	44.48	3.65	53.23	3.89	57.60	4.27	61.97	4.69	70.72	5.55	79.46	6.46
	98.6	35.74	3.41	44.48	3.92	53.23	4.14	57.60	4.54	61.97	4.98	70.72	5.90	79.46	6.87
	102.2	35.74	3.76	44.48	4.19	53.23	4.38	57.60	4.82	61.97	5.28	70.72	6.26	79.46	7.28
	105.8	35.74	4.11	44.48	4.46	53.23	4.63	57.60	5.09	61.97	5.58	70.72	6.61	79.46	7.69
	109.4	35.74	4.46	44.48	4.73	53.23	4.88	57.60	5.36	61.97	5.88	70.72	6.96	79.46	8.10
	111.2	35.74	4.28	44.48	4.54	53.23	4.68	57.60	5.14	61.97	5.64	70.72	6.68	79.46	7.78
	114.8	35.74	3.92	44.48	4.16	53.23	4.29	57.60	4.71	61.97	5.17	70.72	6.12	78.27	7.13
	116.6	35.74	3.75	44.48	3.97	53.23	4.10	57.60	4.50	61.97	4.94	70.72	5.85	74.60	6.80
	122	35.74	3.21	44.48	3.40	53.23	3.51	57.14	3.86	58.42	4.23	60.99	5.01	63.56	5.83
	125.6	35.74	2.85	44.48	3.03	48.50	3.12	49.78	3.43	51.07	3.76	53.64	4.45	56.21	5.18

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
50%	23	29.78	1.59	37.07	1.85	44.36	2.13	48.00	2.27	51.64	2.42	58.93	2.73	66.22	3.05
	32	29.78	1.60	37.07	1.87	44.36	2.14	48.00	2.29	51.64	2.44	58.93	2.75	66.22	3.08
	39.2	29.78	1.61	37.07	1.88	44.36	2.15	48.00	2.30	51.64	2.45	58.93	2.77	66.22	3.10
	44.6	29.78	1.61	37.07	1.88	44.36	2.16	48.00	2.31	51.64	2.47	58.93	2.78	66.22	3.11
	50	29.78	1.62	37.07	1.89	44.36	2.17	48.00	2.32	51.64	2.48	58.93	2.79	66.22	3.13
	53.6	29.78	1.64	37.07	1.91	44.36	2.20	48.00	2.35	51.64	2.51	58.93	2.84	66.22	3.18
	57.2	29.78	1.66	37.07	1.93	44.36	2.23	48.00	2.39	51.64	2.55	58.93	2.88	66.22	3.23
	60.8	29.78	1.67	37.07	1.96	44.36	2.26	48.00	2.42	51.64	2.59	58.93	2.93	66.22	3.28
	64.4	29.78	1.69	37.07	1.98	44.36	2.29	48.00	2.45	51.64	2.62	58.93	2.97	66.22	3.33
	68	29.78	1.71	37.07	2.00	44.36	2.32	48.00	2.49	51.64	2.66	58.93	3.01	66.22	3.38
	69.8	29.78	1.72	37.07	2.01	44.36	2.34	48.00	2.50	51.64	2.68	58.93	3.04	66.22	3.41
	73.4	29.78	1.74	37.07	2.04	44.36	2.37	48.00	2.54	51.64	2.71	58.93	3.08	66.22	3.46
	77	29.78	1.76	37.07	2.06	44.36	2.40	48.00	2.57	51.64	2.75	58.93	3.30	66.22	3.73
	80.6	29.78	1.78	37.07	2.08	44.36	2.56	48.00	2.75	51.64	2.95	58.93	3.52	66.22	4.01
	84.2	29.78	1.98	37.07	2.32	44.36	2.71	48.00	2.93	51.64	3.16	58.93	3.74	66.22	4.28
	86	29.78	2.08	37.07	2.43	44.36	2.79	48.00	3.02	51.64	3.26	58.93	3.85	66.22	4.42
	87.8	29.78	2.18	37.07	2.55	44.36	2.87	48.00	3.11	51.64	3.36	58.93	3.96	66.22	4.55
	91.4	29.78	2.38	37.07	2.79	44.36	3.02	48.00	3.29	51.64	3.56	58.93	4.18	66.22	4.82
	95	29.78	2.58	37.07	3.02	44.36	3.18	48.00	3.47	51.64	3.77	58.93	4.41	66.22	5.10
	98.6	29.78	2.86	37.07	3.24	44.36	3.38	48.00	3.69	51.64	4.01	58.93	4.68	66.22	5.42
	102.2	29.78	3.14	37.07	3.45	44.36	3.58	48.00	3.91	51.64	4.25	58.93	4.96	66.22	5.74
	105.8	29.78	3.41	37.07	3.67	44.36	3.79	48.00	4.13	51.64	4.48	58.93	5.24	66.22	6.07
	109.4	29.78	3.69	37.07	3.89	44.36	3.99	48.00	4.35	51.64	4.72	58.93	5.52	66.22	6.39
	111.2	29.78	3.54	37.07	3.73	44.36	3.83	48.00	4.17	51.64	4.53	58.93	5.30	66.22	6.13
	114.8	29.78	3.25	37.07	3.42	44.36	3.51	48.00	3.83	51.64	4.16	58.93	4.86	66.22	5.62
	116.6	29.78	3.10	37.07	3.26	44.36	3.35	48.00	3.65	51.64	3.97	58.93	4.64	66.22	5.37
	122	29.78	2.66	37.07	2.80	44.36	2.87	48.00	3.13	51.64	3.40	58.93	3.98	61.85	4.60
	125.6	29.78	2.36	37.07	2.49	44.36	2.55	48.00	2.78	49.35	3.02	51.92	3.53	54.50	4.09

GMV-VQ120WM/C-W

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
135%	23	100.52	4.78	125.11	6.08	149.70	7.40	162.00	7.61	168.27	7.92	171.48	8.11	174.70	8.22
	32	100.52	4.82	125.11	6.13	149.70	7.46	161.77	7.68	163.37	8.01	166.59	8.21	169.80	8.34
	39.2	100.52	4.86	125.11	6.17	149.70	7.51	157.85	7.75	159.46	8.08	162.67	8.29	165.89	8.44
	44.6	100.52	4.88	125.11	6.20	149.70	7.55	154.91	7.79	156.52	8.13	159.73	8.35	162.95	8.51
	50	100.52	4.91	125.11	6.23	149.70	7.59	151.98	7.84	153.58	8.18	156.80	8.41	160.01	8.59
	53.6	100.52	4.99	125.11	6.34	148.41	7.72	150.02	8.00	151.63	8.36	154.84	8.61	158.05	8.96
	57.2	100.52	5.08	125.11	6.44	146.45	7.86	148.06	8.15	149.67	8.54	152.88	9.00	156.09	9.33
	60.8	100.52	5.16	125.11	6.54	144.50	7.99	146.10	8.31	147.71	8.95	150.92	9.39	154.14	9.70
	64.4	100.52	5.24	125.11	6.65	142.54	8.49	144.14	8.78	145.75	9.36	148.96	9.77	152.18	10.07
	68	100.52	5.33	125.11	7.35	140.58	8.99	142.19	9.26	143.79	9.78	147.01	10.16	150.22	10.44
	69.8	100.52	5.37	125.11	7.70	139.60	9.24	141.21	9.49	142.81	9.98	146.03	10.36	149.24	10.62
	73.4	100.52	6.06	125.11	8.40	137.64	9.74	139.25	9.97	140.86	10.39	144.07	10.74	147.28	10.99
	77	100.52	6.75	125.11	9.10	135.68	10.24	137.29	10.44	138.90	10.81	142.11	11.13	145.32	11.36
	80.6	100.52	7.44	125.11	9.81	133.73	10.74	135.33	10.91	136.94	11.22	140.15	11.52	143.37	11.73
	84.2	100.52	8.12	125.11	10.51	131.77	11.24	133.37	11.38	134.98	11.63	138.19	11.91	141.41	12.10
	86	100.52	8.47	125.11	10.86	130.79	11.49	132.40	11.62	134.00	11.84	137.22	12.10	140.43	12.29
	87.8	100.52	8.81	125.11	11.21	129.81	11.74	131.42	11.86	133.02	12.05	136.24	12.30	139.45	12.47
	91.4	100.52	9.50	124.64	11.91	127.85	12.24	129.46	12.33	131.06	12.46	134.28	12.69	137.49	12.84
	95	100.52	10.19	122.68	12.61	125.89	12.74	127.50	12.80	129.11	12.87	132.32	13.08	135.53	13.21
	98.6	100.52	11.38	120.72	13.43	123.93	13.54	125.54	13.62	127.15	13.69	130.36	13.90	133.58	14.05
	102.2	100.52	12.57	118.76	14.25	121.98	14.35	123.58	14.43	125.19	14.50	128.40	14.73	131.62	14.88
	105.8	100.52	13.76	116.81	15.07	120.02	15.16	121.63	15.24	123.23	15.32	126.45	15.56	129.66	15.72
	109.4	100.52	14.95	114.85	15.89	118.06	15.96	119.67	16.05	121.27	16.13	124.49	16.39	127.70	16.56
	111.2	100.52	14.35	110.25	15.25	113.46	15.33	115.07	15.41	116.68	15.49	119.89	15.73	123.10	15.90
	114.8	97.84	13.16	101.06	13.98	104.27	14.05	105.88	14.12	107.48	14.20	110.70	14.42	113.91	14.57
	116.6	93.25	12.56	96.46	13.35	99.68	13.41	101.28	13.48	102.89	13.55	106.10	13.77	109.32	13.91
	122	79.46	10.76	82.67	11.44	85.89	11.49	87.49	11.55	89.10	11.62	92.31	11.80	95.53	11.92
	125.6	70.27	9.57	73.48	10.17	76.69	10.22	78.30	10.27	79.91	10.33	83.12	10.49	86.33	10.60

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
120%	23	89.35	4.41	111.21	5.55	133.07	6.73	144.00	7.38	154.93	7.60	168.27	8.03	171.48	8.14
	32	89.35	4.45	111.21	5.60	133.07	6.79	144.00	7.45	154.93	7.68	163.37	8.12	166.59	8.25
	39.2	89.35	4.48	111.21	5.64	133.07	6.84	144.00	7.51	154.93	7.74	159.46	8.19	162.67	8.34
	44.6	89.35	4.50	111.21	5.67	133.07	6.88	144.00	7.55	153.31	7.79	156.52	8.24	159.73	8.41
	50	89.35	4.52	111.21	5.70	133.07	6.91	144.00	7.59	150.37	7.84	153.58	8.30	156.80	8.47
	53.6	89.35	4.60	111.21	5.80	133.07	7.04	144.00	7.73	148.41	8.00	151.62	8.48	154.84	8.69
	57.2	89.35	4.68	111.21	5.90	133.07	7.16	144.00	7.88	146.45	8.16	149.67	8.65	152.88	9.08
	60.8	89.35	4.75	111.21	6.00	133.07	7.28	142.89	8.02	144.50	8.32	147.71	9.06	150.92	9.46
	64.4	89.35	4.83	111.21	6.10	133.07	7.40	140.93	8.52	142.54	8.79	145.75	9.47	148.96	9.84
	68	89.35	4.91	111.21	6.20	133.07	8.01	138.97	9.01	140.58	9.27	143.79	9.88	147.01	10.22
	69.8	89.35	4.94	111.21	6.57	133.07	8.32	137.99	9.26	139.60	9.50	142.81	10.08	146.03	10.41
	73.4	89.35	5.57	111.21	7.31	133.07	8.93	136.03	9.76	137.64	9.97	140.86	10.49	144.07	10.79
	77	89.35	6.19	111.21	8.05	132.47	9.54	134.08	10.25	135.68	10.44	138.90	10.90	142.11	11.17
	80.6	89.35	6.81	111.21	8.79	130.51	10.15	132.12	10.75	133.73	10.92	136.94	11.31	140.15	11.55
	84.2	89.35	7.44	111.21	9.53	128.55	10.77	130.16	11.25	131.77	11.39	134.98	11.72	138.19	11.93
	86	89.35	7.75	111.21	9.90	127.57	11.07	129.18	11.50	130.79	11.62	134.00	11.92	137.22	12.12
	87.8	89.35	8.06	111.21	10.27	126.60	11.38	128.20	11.74	129.81	11.86	133.02	12.12	136.24	12.31
	91.4	89.35	8.69	111.21	11.01	124.64	11.99	126.24	12.24	127.85	12.33	131.06	12.53	134.28	12.69
	95	89.35	9.31	111.21	11.75	122.68	12.60	124.29	12.74	125.89	12.80	129.11	12.94	132.32	13.08
	98.6	89.35	10.53	111.21	12.63	120.72	13.40	122.33	13.54	123.93	13.62	127.15	13.76	130.36	13.90
	102.2	89.35	11.75	111.21	13.50	118.76	14.20	120.37	14.35	121.98	14.43	125.19	14.58	128.40	14.73
	105.8	89.35	12.96	111.21	14.38	116.80	15.00	118.41	15.16	120.02	15.24	123.23	15.40	126.45	15.56
	109.4	89.35	14.18	111.21	15.26	114.85	15.79	116.45	15.96	118.06	16.05	121.27	16.22	124.49	16.39
	111.2	89.35	13.61	107.04	14.65	110.25	15.16	111.86	15.33	113.46	15.41	116.68	15.57	119.89	15.73
	114.8	89.35	12.48	97.84	13.43	101.06	13.90	102.66	14.05	104.27	14.12	107.48	14.27	110.70	14.42
	116.6	89.35	11.91	93.25	12.82	96.46	13.27	98.07	13.41	99.67	13.48	102.89	13.62	106.10	13.77
	122	76.24	10.21	79.46	10.99	82.67	11.37	84.28	11.49	85.89	11.55	89.10	11.68	92.31	11.80
	125.6	67.05	9.08	70.27	9.77	73.48	10.11	75.09	10.22	76.69	10.27	79.91	10.38	83.12	10.49

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
110%	23	81.91	4.04	101.94	5.06	121.98	6.13	132.00	6.66	142.02	7.25	162.06	7.83	169.34	8.06
	32	81.91	4.08	101.94	5.11	121.98	6.19	132.00	6.72	142.02	7.33	161.23	7.91	164.44	8.16
	39.2	81.91	4.11	101.94	5.14	121.98	6.23	132.00	6.78	142.02	7.38	157.31	7.97	160.53	8.24
	44.6	81.91	4.13	101.94	5.17	121.98	6.26	132.00	6.81	142.02	7.43	154.38	8.02	157.59	8.30
	50	81.91	4.15	101.94	5.20	121.98	6.30	132.00	6.85	142.02	7.47	151.44	8.07	154.65	8.36
	53.6	81.91	4.22	101.94	5.29	121.98	6.41	132.00	6.98	142.02	7.61	149.48	8.23	152.70	8.56
	57.2	81.91	4.29	101.94	5.38	121.98	6.52	132.00	7.11	142.02	7.76	147.52	8.39	150.74	8.75
	60.8	81.91	4.36	101.94	5.47	121.98	6.63	132.00	7.23	142.02	7.90	145.57	8.55	148.78	9.16
	64.4	81.91	4.43	101.94	5.56	121.98	6.74	132.00	7.36	140.39	8.40	143.61	9.00	146.82	9.56
	68	81.91	4.50	101.94	5.65	121.98	7.29	132.00	7.98	138.44	8.91	141.65	9.45	144.86	9.97
	69.8	81.91	4.53	101.94	5.70	121.98	7.57	132.00	8.29	137.46	9.16	140.67	9.67	143.88	10.17
	73.4	81.91	4.60	101.94	6.38	121.98	8.12	132.00	8.90	135.50	9.66	138.71	10.12	141.93	10.58
	77	81.91	5.22	101.94	7.07	121.98	8.67	131.93	9.52	133.54	10.16	136.75	10.57	139.97	10.98
	80.6	81.91	5.84	101.94	7.76	121.98	9.22	129.98	10.14	131.58	10.66	134.80	11.01	138.01	11.39
	84.2	81.91	6.46	101.94	8.44	121.98	9.77	128.02	10.75	129.62	11.16	132.84	11.46	136.05	11.79
	86	81.91	6.77	101.94	8.79	121.98	10.04	127.04	11.06	128.65	11.41	131.86	11.68	135.07	11.99
	87.8	81.91	7.08	101.94	9.13	121.98	10.32	126.06	11.37	127.67	11.67	130.88	11.91	134.09	12.20
	91.4	81.91	7.70	101.94	9.82	121.98	10.87	124.10	11.98	125.71	12.17	128.92	12.36	132.14	12.60
	95	81.91	8.32	101.94	10.50	120.54	11.42	122.14	12.60	123.75	12.67	126.96	12.80	130.18	13.01
	98.6	81.91	9.43	101.94	11.31	118.58	12.14	120.18	13.40	121.79	13.47	125.01	13.62	128.22	13.83
	102.2	81.91	10.53	101.94	12.12	116.62	12.87	118.23	14.20	119.83	14.27	123.05	14.43	126.26	14.66
	105.8	81.91	11.64	101.94	12.93	114.66	13.59	116.27	15.00	117.88	15.08	121.09	15.24	124.30	15.48
	109.4	81.91	12.75	101.94	13.74	112.70	14.31	114.31	15.79	115.92	15.88	119.13	16.05	122.34	16.30
	111.2	81.91	12.24	101.94	13.19	108.11	13.74	109.71	15.16	111.32	15.24	114.53	15.41	117.75	15.65
	114.8	81.91	11.22	95.70	12.09	98.91	12.60	100.52	13.90	102.13	13.97	105.34	14.12	108.56	14.35
	116.6	81.91	10.71	91.10	11.54	94.32	12.02	95.92	13.27	97.53	13.34	100.75	13.48	103.96	13.69
	122	74.10	9.18	77.32	9.89	80.53	10.31	82.14	11.37	83.74	11.43	86.96	11.55	90.17	11.74
	125.6	64.91	8.16	68.12	8.79	71.34	9.16	72.94	10.11	74.55	10.16	77.76	10.27	80.98	10.43

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
100%	23	74.46	3.70	92.68	4.59	110.89	5.55	120.00	6.06	129.11	6.54	147.32	7.56	165.54	7.87
	32	74.46	3.73	92.68	4.63	110.89	5.60	120.00	6.12	129.11	6.60	147.32	7.64	162.30	7.96
	39.2	74.46	3.75	92.68	4.66	110.89	5.64	120.00	6.17	129.11	6.65	147.32	7.69	158.39	8.03
	44.6	74.46	3.77	92.68	4.69	110.89	5.67	120.00	6.20	129.11	6.69	147.32	7.74	155.45	8.08
	50	74.46	3.79	92.68	4.71	110.89	5.70	120.00	6.23	129.11	6.73	147.32	7.78	152.51	8.13
	53.6	74.46	3.85	92.68	4.79	110.89	5.80	120.00	6.35	129.11	6.86	147.32	7.92	150.55	8.30
	57.2	74.46	3.91	92.68	4.87	110.89	5.90	120.00	6.46	129.11	6.98	145.38	8.06	148.59	8.48
	60.8	74.46	3.97	92.68	4.96	110.89	6.00	120.00	6.57	129.11	7.11	143.42	8.20	146.64	8.89
	64.4	74.46	4.03	92.68	5.04	110.89	6.10	120.00	6.69	129.11	7.24	141.46	8.68	144.68	9.31
	68	74.46	4.09	92.68	5.12	110.89	6.20	120.00	7.24	129.11	7.87	139.51	9.16	142.72	9.73
	69.8	74.46	4.12	92.68	5.16	110.89	6.47	120.00	7.52	129.11	8.19	138.53	9.40	141.74	9.94
	73.4	74.46	4.18	92.68	5.75	110.89	7.00	120.00	8.08	129.11	8.82	136.57	9.87	139.78	10.36
	77	74.46	4.71	92.68	6.34	110.89	7.53	120.00	8.64	129.11	9.45	134.61	10.35	137.82	10.78
	80.6	74.46	5.24	92.68	6.93	110.89	8.06	120.00	9.19	129.11	10.08	132.65	10.83	135.87	11.20
	84.2	74.46	5.78	92.68	7.51	110.89	8.59	120.00	9.75	127.48	10.71	130.69	11.31	133.91	11.62
	86	74.46	6.04	92.68	7.81	110.89	8.86	120.00	10.03	126.50	11.02	129.72	11.54	132.93	11.83
	87.8	74.46	6.31	92.68	8.10	110.89	9.12	120.00	10.31	125.52	11.34	128.74	11.78	131.95	12.03
	91.4	74.46	6.84	92.68	8.69	110.89	9.65	120.00	10.86	123.56	11.97	126.78	12.26	129.99	12.45
	95	74.46	7.37	92.68	9.28	110.89	10.19	120.00	11.42	121.61	12.60	124.82	12.74	128.03	12.87
	98.6	74.46	8.36	92.68	10.01	110.89	10.83	118.04	12.14	119.65	13.40	122.86	13.54	126.08	13.69
	102.2	74.46	9.34	92.68	10.74	110.89	11.48	116.08	12.87	117.69	14.20	120.90	14.35	124.12	14.50
	105.8	74.46	10.33	92.68	11.47	110.89	12.12	114.13	13.59	115.73	15.00	118.95	15.16	122.16	15.32
	109.4	74.46	11.31	92.68	12.20	110.56	12.77	112.17	14.31	113.77	15.79	116.99	15.96	120.20	16.13
	111.2	74.46	10.86	92.68	11.71	105.96	12.26	107.57	13.74	109.18	15.16	112.39	15.33	115.60	15.49
	114.8	74.46	9.95	92.68	10.73	96.77	11.23	98.38	12.60	99.99	13.90	103.20	14.05	106.41	14.20
	116.6	74.46	9.50	88.96	10.25	92.18	10.72	93.78	12.02	95.39	13.27	98.60	13.41	101.82	13.55
	122	71.96	8.14	75.17	8.78	78.39	9.19	79.99	10.31	81.60	11.37	84.81	11.49	88.03	11.62
	125.6	62.77	7.24	65.98	7.81	69.19	8.17	70.80	9.16	72.41	10.11	75.62	10.22	78.83	10.33

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
90%	23	67.01	3.37	83.41	4.14	99.80	4.96	108.00	5.40	116.20	5.83	132.59	6.73	148.99	7.68
	32	67.01	3.39	83.41	4.17	99.80	5.01	108.00	5.44	116.20	5.89	132.59	6.79	148.99	7.75
	39.2	67.01	3.41	83.41	4.20	99.80	5.04	108.00	5.48	116.20	5.93	132.59	6.84	148.99	7.81
	44.6	67.01	3.43	83.41	4.22	99.80	5.07	108.00	5.51	116.20	5.97	132.59	6.88	148.99	7.86
	50	67.01	3.44	83.41	4.24	99.80	5.10	108.00	5.54	116.20	6.00	132.59	6.91	148.99	7.90
	53.6	67.01	3.50	83.41	4.31	99.80	5.19	108.00	5.64	116.20	6.11	132.59	7.04	148.41	8.05
	57.2	67.01	3.55	83.41	4.38	99.80	5.28	108.00	5.74	116.20	6.22	132.59	7.16	146.45	8.20
	60.8	67.01	3.60	83.41	4.45	99.80	5.37	108.00	5.84	116.20	6.33	132.59	7.28	144.49	8.35
	64.4	67.01	3.65	83.41	4.52	99.80	5.46	108.00	5.94	116.20	6.44	132.59	7.41	142.54	8.81
	68	67.01	3.70	83.41	4.59	99.80	5.55	108.00	6.04	116.20	6.56	132.59	8.02	140.58	9.27
	69.8	67.01	3.73	83.41	4.63	99.80	5.60	108.00	6.29	116.20	6.85	132.59	8.32	139.60	9.50
	73.4	67.01	3.78	83.41	4.70	99.80	6.05	108.00	6.79	116.20	7.43	132.59	8.94	137.64	9.96
	77	67.01	3.83	83.41	5.26	99.80	6.50	108.00	7.30	116.20	8.01	132.47	9.55	135.68	10.43
	80.6	67.01	4.36	83.41	5.82	99.80	6.95	108.00	7.80	116.20	8.60	130.51	10.16	133.72	10.89
	84.2	67.01	4.89	83.41	6.38	99.80	7.41	108.00	8.30	116.20	9.18	128.55	10.77	131.77	11.35
	86	67.01	5.15	83.41	6.66	99.80	7.63	108.00	8.56	116.20	9.47	127.57	11.07	130.79	11.58
	87.8	67.01	5.42	83.41	6.94	99.80	7.86	108.00	8.81	116.20	9.76	126.59	11.38	129.81	11.81
	91.4	67.01	5.94	83.41	7.50	99.80	8.31	108.00	9.31	116.20	10.34	124.64	11.99	127.85	12.27
	95	67.01	6.47	83.41	8.06	99.80	8.77	108.00	9.82	116.20	10.93	122.68	12.60	125.89	12.74
	98.6	67.01	7.31	83.41	8.68	99.80	9.32	108.00	10.44	116.20	11.62	120.72	13.40	123.93	13.54
	102.2	67.01	8.14	83.41	9.30	99.80	9.88	108.00	11.06	115.55	12.31	118.76	14.20	121.97	14.35
	105.8	67.01	8.98	83.41	9.92	99.80	10.43	108.00	11.68	113.59	13.00	116.80	15.00	120.02	15.16
	109.4	67.01	9.81	83.41	10.54	99.80	10.99	108.00	12.30	111.63	13.69	114.84	15.79	118.06	15.96
	111.2	67.01	9.42	83.41	10.12	99.80	10.55	105.43	11.81	107.03	13.15	110.25	15.16	113.46	15.33
	114.8	67.01	8.64	83.41	9.28	94.63	9.67	96.24	10.83	97.84	12.05	101.06	13.90	104.27	14.05
	116.6	67.01	8.24	83.41	8.86	90.03	9.23	91.64	10.33	93.25	11.50	96.46	13.27	99.67	13.41
	122	67.01	7.07	73.03	7.59	76.24	7.91	77.85	8.86	79.46	9.86	82.67	11.37	85.88	11.49
	125.6	60.62	6.28	63.84	6.75	67.05	7.03	68.66	7.87	70.26	8.76	73.48	10.11	76.69	10.22

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
80%	23	59.57	3.04	74.14	3.70	88.71	4.41	96.00	4.78	103.29	5.15	117.86	5.95	132.43	6.73
	32	59.57	3.06	74.14	3.73	88.71	4.45	96.00	4.82	103.29	5.20	117.86	6.00	132.43	6.79
	39.2	59.57	3.08	74.14	3.75	88.71	4.48	96.00	4.86	103.29	5.24	117.86	6.04	132.43	6.84
	44.6	59.57	3.09	74.14	3.77	88.71	4.50	96.00	4.88	103.29	5.27	117.86	6.07	132.43	6.88
	50	59.57	3.11	74.14	3.79	88.71	4.52	96.00	4.91	103.29	5.30	117.86	6.11	132.43	6.91
	53.6	59.57	3.15	74.14	3.85	88.71	4.60	96.00	4.99	103.29	5.39	117.86	6.21	132.43	7.04
	57.2	59.57	3.20	74.14	3.91	88.71	4.68	96.00	5.08	103.29	5.49	117.86	6.31	132.43	7.16
	60.8	59.57	3.24	74.14	3.97	88.71	4.75	96.00	5.16	103.29	5.58	117.86	6.42	132.43	7.28
	64.4	59.57	3.29	74.14	4.03	88.71	4.83	96.00	5.24	103.29	5.68	117.86	6.52	132.43	7.41
	68	59.57	3.33	74.14	4.09	88.71	4.91	96.00	5.33	103.29	5.77	117.86	7.07	132.43	8.02
	69.8	59.57	3.35	74.14	4.12	88.71	4.94	96.00	5.37	103.29	5.82	117.86	7.35	132.43	8.32
	73.4	59.57	3.40	74.14	4.18	88.71	5.31	96.00	5.79	103.29	6.31	117.86	7.89	132.43	8.94
	77	59.57	3.44	74.14	4.64	88.71	5.68	96.00	6.22	103.29	6.80	117.86	8.44	132.43	9.55
	80.6	59.57	3.88	74.14	5.10	88.71	6.05	96.00	6.64	103.29	7.29	117.86	8.99	131.58	10.16
	84.2	59.57	4.32	74.14	5.56	88.71	6.42	96.00	7.06	103.29	7.78	117.86	9.53	129.62	10.77
	86	59.57	4.54	74.14	5.79	88.71	6.61	96.00	7.28	103.29	8.03	117.86	9.81	128.64	11.07
	87.8	59.57	4.76	74.14	6.02	88.71	6.79	96.00	7.49	103.29	8.28	117.86	10.08	127.66	11.38
	91.4	59.57	5.20	74.14	6.49	88.71	7.16	96.00	7.91	103.29	8.77	117.86	10.63	125.71	11.99
	95	59.57	5.64	74.14	6.95	88.71	7.53	96.00	8.33	103.29	9.26	117.86	11.17	123.75	12.60
	98.6	59.57	6.34	74.14	7.48	88.71	8.01	96.00	8.86	103.29	9.85	117.86	11.88	121.79	13.40
	102.2	59.57	7.05	74.14	8.01	88.71	8.49	96.00	9.39	103.29	10.43	116.62	12.59	119.83	14.20
	105.8	59.57	7.76	74.14	8.54	88.71	8.96	96.00	9.92	103.29	11.02	114.66	13.30	117.87	15.00
	109.4	59.57	8.47	74.14	9.07	88.71	9.44	96.00	10.44	103.29	11.61	112.70	14.00	115.92	15.79
	111.2	59.57	8.13	74.14	8.71	88.71	9.06	96.00	10.03	103.29	11.14	108.11	13.44	111.32	15.16
	114.8	59.57	7.45	74.14	7.98	88.71	8.31	94.09	9.19	95.70	10.21	98.91	12.32	102.13	13.90
	116.6	59.57	7.12	74.14	7.62	87.89	7.93	89.50	8.77	91.10	9.75	94.32	11.76	97.53	13.27
	122	59.57	6.10	70.89	6.53	74.10	6.80	75.71	7.52	77.31	8.36	80.53	10.08	83.74	11.37
	125.6	58.48	5.42	61.69	5.81	64.91	6.04	66.51	6.68	68.12	7.43	71.33	8.96	74.55	10.11

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
70%	23	52.12	2.73	64.87	3.28	77.62	3.87	84.00	4.19	90.38	4.50	103.13	5.15	115.88	5.85
	32	52.12	2.75	64.87	3.31	77.62	3.91	84.00	4.22	90.38	4.54	103.13	5.20	115.88	5.90
	39.2	52.12	2.77	64.87	3.33	77.62	3.93	84.00	4.25	90.38	4.57	103.13	5.24	115.88	5.94
	44.6	52.12	2.78	64.87	3.34	77.62	3.95	84.00	4.27	90.38	4.59	103.13	5.27	115.88	5.97
	50	52.12	2.79	64.87	3.36	77.62	3.97	84.00	4.29	90.38	4.62	103.13	5.30	115.88	6.00
	53.6	52.12	2.83	64.87	3.41	77.62	4.03	84.00	4.36	90.38	4.70	103.13	5.39	115.88	6.10
	57.2	52.12	2.86	64.87	3.46	77.62	4.10	84.00	4.43	90.38	4.77	103.13	5.49	115.88	6.20
	60.8	52.12	2.90	64.87	3.51	77.62	4.16	84.00	4.50	90.38	4.85	103.13	5.58	115.88	6.30
	64.4	52.12	2.94	64.87	3.56	77.62	4.22	84.00	4.57	90.38	4.93	103.13	5.68	115.88	6.40
	68	52.12	2.98	64.87	3.61	77.62	4.29	84.00	4.64	90.38	5.01	103.13	5.77	115.88	6.49
	69.8	52.12	2.99	64.87	3.63	77.62	4.32	84.00	4.67	90.38	5.05	103.13	6.00	115.88	6.79
	73.4	52.12	3.03	64.87	3.68	77.62	4.38	84.00	4.74	90.38	5.43	103.13	6.47	115.88	7.38
	77	52.12	3.07	64.87	3.73	77.62	4.71	84.00	5.13	90.38	5.81	103.13	6.93	115.88	7.97
	80.6	52.12	3.43	64.87	4.16	77.62	5.04	84.00	5.51	90.38	6.19	103.13	7.40	115.88	8.56
	84.2	52.12	3.78	64.87	4.60	77.62	5.37	84.00	5.89	90.38	6.57	103.13	7.86	115.88	9.15
	86	52.12	3.96	64.87	4.82	77.62	5.54	84.00	6.08	90.38	6.76	103.13	8.10	115.88	9.45
	87.8	52.12	4.14	64.87	5.04	77.62	5.70	84.00	6.27	90.38	6.95	103.13	8.33	115.88	9.74
	91.4	52.12	4.50	64.87	5.47	77.62	6.03	84.00	6.66	90.38	7.33	103.13	8.79	115.88	10.34
	95	52.12	4.86	64.87	5.91	77.62	6.36	84.00	7.04	90.38	7.72	103.13	9.26	115.88	10.93
	98.6	52.12	5.45	64.87	6.35	77.62	6.76	84.00	7.48	90.38	8.20	103.13	9.85	115.88	11.62
	102.2	52.12	6.03	64.87	6.80	77.62	7.16	84.00	7.93	90.38	8.69	103.13	10.43	115.88	12.31
	105.8	52.12	6.62	64.87	7.24	77.62	7.57	84.00	8.37	90.38	9.18	103.13	11.02	115.73	13.00
	109.4	52.12	7.21	64.87	7.69	77.62	7.97	84.00	8.82	90.38	9.67	103.13	11.61	113.77	13.69
	111.2	52.12	6.92	64.87	7.38	77.62	7.65	84.00	8.47	90.38	9.28	103.13	11.14	109.18	13.15
	114.8	52.12	6.34	64.87	6.77	77.62	7.01	84.00	7.76	90.38	8.51	96.77	10.21	99.98	12.05
	116.6	52.12	6.06	64.87	6.46	77.62	6.69	84.00	7.41	88.96	8.12	92.17	9.75	95.39	11.50
	122	52.12	5.19	64.87	5.54	71.96	5.74	73.56	6.35	75.17	6.96	78.38	8.36	81.60	9.86
	125.6	52.12	4.61	59.55	4.92	62.76	5.10	64.37	5.64	65.98	6.19	69.19	7.43	72.41	8.76

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
60%	23	44.68	2.44	55.61	2.88	66.54	3.37	72.00	3.62	77.46	3.87	88.39	4.41	99.32	4.96
	32	44.68	2.46	55.61	2.90	66.54	3.39	72.00	3.65	77.46	3.91	88.39	4.45	99.32	5.01
	39.2	44.68	2.47	55.61	2.92	66.54	3.41	72.00	3.67	77.46	3.93	88.39	4.48	99.32	5.04
	44.6	44.68	2.48	55.61	2.93	66.54	3.43	72.00	3.69	77.46	3.95	88.39	4.50	99.32	5.07
	50	44.68	2.49	55.61	2.94	66.54	3.44	72.00	3.70	77.46	3.97	88.39	4.52	99.32	5.10
	53.6	44.68	2.52	55.61	2.99	66.54	3.50	72.00	3.76	77.46	4.03	88.39	4.60	99.32	5.19
	57.2	44.68	2.55	55.61	3.03	66.54	3.55	72.00	3.82	77.46	4.10	88.39	4.68	99.32	5.28
	60.8	44.68	2.57	55.61	3.07	66.54	3.60	72.00	3.88	77.46	4.16	88.39	4.75	99.32	5.37
	64.4	44.68	2.60	55.61	3.11	66.54	3.65	72.00	3.93	77.46	4.22	88.39	4.83	99.32	5.46
	68	44.68	2.63	55.61	3.15	66.54	3.70	72.00	3.99	77.46	4.29	88.39	4.91	99.32	5.55
	69.8	44.68	2.65	55.61	3.17	66.54	3.73	72.00	4.02	77.46	4.32	88.39	4.94	99.32	5.60
	73.4	44.68	2.67	55.61	3.21	66.54	3.78	72.00	4.08	77.46	4.38	88.39	5.31	99.32	6.05
	77	44.68	2.70	55.61	3.25	66.54	3.83	72.00	4.36	77.46	4.71	88.39	5.68	99.32	6.50
	80.6	44.68	2.73	55.61	3.59	66.54	4.12	72.00	4.65	77.46	5.04	88.39	6.05	99.32	6.95
	84.2	44.68	3.09	55.61	3.93	66.54	4.41	72.00	4.94	77.46	5.37	88.39	6.42	99.32	7.41
	86	44.68	3.26	55.61	4.10	66.54	4.55	72.00	5.08	77.46	5.54	88.39	6.61	99.32	7.63
	87.8	44.68	3.44	55.61	4.27	66.54	4.70	72.00	5.22	77.46	5.70	88.39	6.79	99.32	7.86
	91.4	44.68	3.79	55.61	4.61	66.54	4.99	72.00	5.51	77.46	6.03	88.39	7.16	99.32	8.31
	95	44.68	4.15	55.61	4.95	66.54	5.28	72.00	5.80	77.46	6.36	88.39	7.53	99.32	8.77
	98.6	44.68	4.62	55.61	5.32	66.54	5.61	72.00	6.16	77.46	6.76	88.39	8.01	99.32	9.32
	102.2	44.68	5.10	55.61	5.68	66.54	5.95	72.00	6.53	77.46	7.16	88.39	8.49	99.32	9.88
	105.8	44.68	5.57	55.61	6.05	66.54	6.28	72.00	6.90	77.46	7.57	88.39	8.96	99.32	10.43
	109.4	44.68	6.05	55.61	6.41	66.54	6.62	72.00	7.26	77.46	7.97	88.39	9.44	99.32	10.99
	111.2	44.68	5.80	55.61	6.15	66.54	6.35	72.00	6.97	77.46	7.65	88.39	9.06	99.32	10.55
	114.8	44.68	5.32	55.61	5.64	66.54	5.82	72.00	6.39	77.46	7.01	88.39	8.31	97.84	9.67
	116.6	44.68	5.08	55.61	5.39	66.54	5.56	72.00	6.10	77.46	6.69	88.39	7.93	93.24	9.23
	122	44.68	4.35	55.61	4.62	66.54	4.76	71.42	5.23	73.03	5.74	76.24	6.80	79.46	7.91
	125.6	44.68	3.87	55.61	4.10	60.62	4.23	62.23	4.65	63.84	5.10	67.05	6.04	70.26	7.03

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit															
Connection ratio	Outdoor air temp.(°FDB)	Indoor air temp													
		57.2°FWB		60.8°FWB		64.4°FWB		66.2°FWB		68.0°FWB		71.6°FWB		75.2°FWB	
		68.0°FDB		73.4°FDB		78.8°FDB		80.6°FDB		82.4°FDB		86.0°FDB		89.6°FDB	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
50%	23	37.23	2.16	46.34	2.52	55.45	2.88	60.00	3.08	64.55	3.28	73.66	3.70	82.77	4.14
	32	37.23	2.17	46.34	2.53	55.45	2.90	60.00	3.10	64.55	3.31	73.66	3.73	82.77	4.17
	39.2	37.23	2.18	46.34	2.54	55.45	2.92	60.00	3.12	64.55	3.33	73.66	3.75	82.77	4.20
	44.6	37.23	2.19	46.34	2.55	55.45	2.93	60.00	3.13	64.55	3.34	73.66	3.77	82.77	4.22
	50	37.23	2.20	46.34	2.56	55.45	2.94	60.00	3.15	64.55	3.36	73.66	3.79	82.77	4.24
	53.6	37.23	2.22	46.34	2.59	55.45	2.99	60.00	3.19	64.55	3.41	73.66	3.85	82.77	4.31
	57.2	37.23	2.25	46.34	2.62	55.45	3.03	60.00	3.24	64.55	3.46	73.66	3.91	82.77	4.38
	60.8	37.23	2.27	46.34	2.65	55.45	3.07	60.00	3.28	64.55	3.51	73.66	3.97	82.77	4.45
	64.4	37.23	2.30	46.34	2.69	55.45	3.11	60.00	3.33	64.55	3.56	73.66	4.03	82.77	4.52
	68	37.23	2.32	46.34	2.72	55.45	3.15	60.00	3.37	64.55	3.61	73.66	4.09	82.77	4.59
	69.8	37.23	2.33	46.34	2.73	55.45	3.17	60.00	3.40	64.55	3.63	73.66	4.12	82.77	4.63
	73.4	37.23	2.36	46.34	2.76	55.45	3.21	60.00	3.44	64.55	3.68	73.66	4.18	82.77	4.70
	77	37.23	2.38	46.34	2.79	55.45	3.25	60.00	3.49	64.55	3.73	73.66	4.48	82.77	5.07
	80.6	37.23	2.41	46.34	2.82	55.45	3.47	60.00	3.73	64.55	4.01	73.66	4.78	82.77	5.43
	84.2	37.23	2.68	46.34	3.14	55.45	3.68	60.00	3.97	64.55	4.28	73.66	5.08	82.77	5.80
	86	37.23	2.82	46.34	3.30	55.45	3.78	60.00	4.10	64.55	4.42	73.66	5.23	82.77	5.99
	87.8	37.23	2.95	46.34	3.46	55.45	3.89	60.00	4.22	64.55	4.56	73.66	5.38	82.77	6.17
	91.4	37.23	3.23	46.34	3.78	55.45	4.10	60.00	4.46	64.55	4.83	73.66	5.68	82.77	6.54
	95	37.23	3.50	46.34	4.10	55.45	4.31	60.00	4.70	64.55	5.11	73.66	5.98	82.77	6.91
	98.6	37.23	3.88	46.34	4.39	55.45	4.59	60.00	5.00	64.55	5.43	73.66	6.35	82.77	7.35
	102.2	37.23	4.25	46.34	4.68	55.45	4.86	60.00	5.30	64.55	5.76	73.66	6.73	82.77	7.79
	105.8	37.23	4.63	46.34	4.98	55.45	5.13	60.00	5.60	64.55	6.08	73.66	7.11	82.77	8.23
	109.4	37.23	5.01	46.34	5.27	55.45	5.41	60.00	5.90	64.55	6.41	73.66	7.49	82.77	8.67
	111.2	37.23	4.81	46.34	5.06	55.45	5.19	60.00	5.66	64.55	6.15	73.66	7.19	82.77	8.32
	114.8	37.23	4.41	46.34	4.64	55.45	4.76	60.00	5.19	64.55	5.64	73.66	6.59	82.77	7.63
	116.6	37.23	4.20	46.34	4.43	55.45	4.54	60.00	4.95	64.55	5.38	73.66	6.29	82.77	7.28
	122	37.23	3.60	46.34	3.79	55.45	3.89	60.00	4.24	64.55	4.61	73.66	5.39	77.31	6.24
	125.6	37.23	3.20	46.34	3.37	55.45	3.46	60.00	3.77	61.69	4.10	64.91	4.79	68.12	5.55

◆ Correction of heating capacity

GMV-VQ72WM/C-W

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
135	-21.6	-22.0	56.5	5.85	56.0	6.02	55.5	6.18	54.9	6.33	54.9	6.49	54.4	6.74
	-17.1	-17.5	60.4	6.26	59.9	6.41	59.4	6.55	58.9	6.69	58.9	6.84	58.4	7.08
	-12.6	-13.0	68.1	6.56	67.5	6.68	67.0	6.80	66.5	6.95	66.5	7.09	66.0	7.31
	-9.0	-9.4	73.9	6.63	73.4	6.75	72.9	6.87	72.4	7.01	72.4	7.14	71.9	7.38
	-3.6	-4.0	79.6	6.74	79.1	6.84	78.6	6.96	78.0	7.10	78.0	7.24	77.5	7.48
	-1.8	-2.2	80.5	6.77	80.0	6.88	79.4	6.99	78.9	7.13	78.9	7.28	78.4	7.48
	1.9	1.4	81.7	6.83	81.2	6.93	80.7	7.04	80.2	7.19	80.2	7.33	79.7	7.53
	7.3	5.0	82.9	6.89	82.4	6.98	81.9	7.09	81.4	7.24	81.4	7.38	81.0	7.58
	10.8	8.6	83.3	6.94	82.8	7.03	82.4	7.13	81.9	7.28	81.9	7.41	81.5	7.61
	14.4	12.2	83.2	6.98	82.7	7.07	82.3	7.18	81.9	7.31	81.9	7.45	81.4	7.68
	14.9	14.0	83.1	7.00	82.7	7.09	82.3	7.21	81.8	7.34	81.8	7.48	81.4	7.58
	16.7	15.6	83.1	7.02	82.7	7.11	82.2	7.21	81.8	7.34	81.8	7.48	81.4	7.45
	19.4	18.3	83.0	7.05	82.6	7.13	82.2	7.24	81.8	7.38	81.8	7.51	81.4	7.24
	23.0	21.9	82.9	6.94	82.5	7.02	82.1	7.11	81.8	7.22	81.8	7.30	81.4	7.03
	26.6	25.3	82.8	6.83	82.5	6.91	82.1	6.97	81.7	7.07	81.7	7.11	81.4	6.83
	32.0	30.7	82.7	6.67	82.4	6.74	82.0	6.77	81.7	6.83	81.7	6.80	81.3	6.50
	37.4	36.0	82.9	6.51	82.6	6.58	82.3	6.57	81.9	6.60	81.9	6.50	81.6	6.19
	41.0	39.4	85.7	6.34	85.4	6.28	85.0	6.34	84.7	6.37	84.7	6.29	84.4	6.02
	47.0	43.0	88.5	6.20	88.1	6.26	87.8	6.31	87.5	6.34	87.5	6.16	87.1	5.91
	48.2	46.2	91.2	6.23	90.9	6.29	90.6	6.34	90.3	6.22	90.3	6.05	89.9	5.81
	51.8	49.6	94.0	6.24	93.7	6.30	93.4	6.30	93.0	6.13	93.0	5.97	92.7	5.74
	55.4	53.2	96.9	6.26	96.6	6.32	96.3	6.21	95.9	6.05	95.9	5.90	92.7	5.68
	59.0	56.7	99.7	6.28	99.4	6.34	99.0	6.13	98.7	5.97	98.7	5.83	92.7	5.62
	64.4	62.2	104.2	6.31	103.9	6.37	103.6	6.00	103.2	5.85	101.0	5.71	92.7	5.52
	68.0	65.3	106.7	6.32	106.4	6.38	106.0	5.93	105.7	5.78	101.0	5.65	92.7	5.46
	75.2	68.9	109.6	6.34	109.3	6.40	109.0	5.84	108.6	5.70	101.0	5.57	92.7	5.40
120	-21.6	-22.0	56.0	6.03	55.5	6.24	54.9	6.46	54.9	6.61	54.4	6.76	54.4	7.00
	-17.1	-17.5	59.9	6.41	59.4	6.61	58.9	6.81	58.9	6.96	58.4	7.10	58.4	7.34
	-12.6	-13.0	67.5	6.68	67.0	6.86	66.5	7.06	66.5	7.21	66.0	7.34	66.0	7.55
	-9.0	-9.4	73.4	6.75	72.9	6.93	72.4	7.13	72.4	7.28	71.9	7.41	71.9	7.61
	-3.6	-4.0	79.1	6.85	78.6	7.02	78.0	7.21	78.0	7.34	77.5	7.48	77.5	7.71
	-1.8	-2.2	80.0	6.88	79.4	7.05	78.9	7.24	78.9	7.38	78.4	7.51	78.4	7.71
	1.9	1.4	81.2	6.93	80.7	7.10	80.2	7.29	80.2	7.43	79.7	7.56	79.7	7.76
	7.3	5.0	82.4	6.99	81.9	7.14	81.4	7.34	81.4	7.48	81.0	7.61	81.0	7.81
	10.8	8.6	82.8	7.03	82.4	7.18	81.9	7.38	81.9	7.51	81.5	7.65	81.5	7.55
	14.4	12.2	82.7	7.07	82.3	7.24	81.9	7.41	81.9	7.55	81.4	7.68	81.4	7.24
	14.9	14.0	82.7	7.09	82.3	7.24	81.8	7.45	81.8	7.58	81.4	7.55	81.4	7.10
	16.7	15.6	82.7	7.11	82.2	7.28	81.8	7.45	81.8	7.58	81.4	7.41	81.4	6.99
	19.4	18.3	82.6	7.14	82.2	7.28	81.8	7.48	81.8	7.48	81.4	7.21	81.4	6.82
	23.0	21.9	82.5	7.02	82.1	7.14	81.8	7.29	81.8	7.25	81.4	7.00	81.4	6.64
	26.6	25.3	82.5	6.92	82.1	7.00	81.7	7.10	81.7	7.03	81.4	6.80	81.4	6.46
	32.0	30.7	82.4	6.74	82.0	6.79	81.7	6.82	81.7	6.68	81.3	6.48	81.3	6.18
	37.4	36.0	82.6	6.58	82.3	6.58	81.9	6.54	81.9	6.35	81.6	6.17	81.6	5.91
	41.0	39.4	85.4	6.29	85.0	6.35	84.7	6.33	84.7	6.16	84.4	6.00	82.3	5.76
	47.0	43.0	88.1	6.26	87.8	6.33	87.5	6.20	87.5	6.04	87.1	5.88	82.3	5.66
	48.2	46.2	90.9	6.29	90.6	6.32	90.3	6.08	90.3	5.93	89.7	5.79	82.3	5.58
	51.8	49.6	93.7	6.31	93.4	6.23	93.0	6.00	93.0	5.86	89.7	5.72	82.3	5.53
	55.4	53.2	96.6	6.33	96.3	6.14	95.9	5.93	95.9	5.79	89.7	5.66	82.3	5.41
	59.0	56.7	99.4	6.34	99.0	6.06	98.7	5.86	97.2	5.72	89.7	5.60	82.3	5.25
	64.4	62.2	103.9	6.36	103.6	5.93	103.2	5.74	97.2	5.62	89.7	5.50	82.3	4.99
	68.0	65.3	107.5	6.37	106.0	5.86	104.6	5.68	97.2	5.56	89.7	5.44	82.3	4.84
	75.2	68.9	113.5	6.39	109.0	5.78	104.6	5.60	97.2	5.50	89.7	5.38	82.3	4.67

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
110	-21.6	-22.0	54.9	6.27	54.9	6.55	54.9	6.75	54.4	6.90	54.4	7.05	53.9	7.28
	-17.1	-17.5	58.9	6.64	58.9	6.90	58.9	7.10	58.4	7.24	58.4	7.38	57.9	7.58
	-12.6	-13.0	66.5	6.89	66.5	7.14	66.5	7.34	66.0	7.48	66.0	7.61	65.4	7.81
	-9.0	-9.4	72.4	6.96	72.4	7.21	72.4	7.41	71.9	7.51	71.9	7.65	71.4	7.85
	-3.6	-4.0	78.0	7.05	78.0	7.31	78.0	7.48	77.5	7.61	77.5	7.75	77.0	7.95
	-1.8	-2.2	78.9	7.08	78.9	7.31	78.9	7.51	78.4	7.65	78.4	7.76	77.9	7.98
	1.9	1.4	80.2	7.13	80.2	7.36	80.2	7.56	79.7	7.68	79.7	7.77	79.2	7.65
	7.3	5.0	81.4	7.18	81.4	7.41	81.4	7.61	81.0	7.71	81.0	7.78	80.5	7.31
	10.8	8.6	81.9	7.21	81.9	7.45	81.9	7.65	81.5	7.75	81.5	7.45	81.0	7.03
	14.4	12.2	81.9	7.28	81.9	7.51	81.9	7.68	81.4	7.45	81.4	7.18	81.0	6.78
	14.9	14.0	81.8	7.28	81.8	7.51	81.8	7.55	81.4	7.28	81.4	7.02	81.0	6.66
	16.7	15.6	81.8	7.31	81.8	7.55	81.8	7.41	81.4	7.18	81.4	6.92	81.0	6.57
	19.4	18.3	81.8	7.31	81.8	7.55	81.8	7.24	81.4	6.99	81.4	6.75	81.0	6.43
	23.0	21.9	81.8	7.16	81.8	7.32	81.8	7.03	81.4	6.79	81.4	6.57	81.0	6.27
	26.6	25.3	81.7	7.02	81.7	7.10	81.7	6.82	81.4	6.60	81.4	6.40	81.0	6.12
	32.0	30.7	81.7	6.80	81.7	6.76	81.7	6.49	81.3	6.31	81.3	6.13	79.4	5.88
	37.4	36.0	81.9	6.59	81.9	6.43	81.9	6.18	81.6	6.02	81.6	5.87	75.5	5.66
	41.0	39.4	84.7	6.36	84.7	6.23	84.7	6.00	84.4	5.86	82.3	5.72	75.5	5.53
	47.0	43.0	87.5	6.33	87.5	6.10	87.5	5.89	87.1	5.75	82.3	5.63	75.5	5.33
	48.2	46.2	90.3	6.28	90.3	5.99	90.3	5.79	89.1	5.67	82.3	5.55	75.5	5.11
	51.8	49.6	93.0	6.19	93.0	5.92	93.0	5.72	89.1	5.60	82.3	5.47	75.5	4.96
	55.4	53.2	96.0	6.11	95.9	5.85	95.9	5.66	89.1	5.55	82.3	5.31	75.5	4.81
	59.0	56.7	101.6	6.03	98.7	5.78	95.9	5.60	89.1	5.49	82.3	5.15	75.5	4.68
	64.4	62.2	109.9	5.90	102.6	5.67	95.9	5.51	89.1	5.39	82.3	4.91	75.5	4.47
	68.0	65.3	109.9	5.84	102.6	5.61	95.9	5.45	89.1	5.33	82.3	4.77	75.5	4.35
	75.2	68.9	109.9	5.75	102.6	5.54	95.9	5.39	89.1	5.27	82.3	4.61	75.5	4.22
100	-21.6	-22.0	54.4	6.61	54.4	6.86	54.4	7.07	53.9	7.21	53.9	7.34	53.4	7.58
	-17.1	-17.5	58.4	6.96	58.4	7.21	58.4	7.38	57.9	7.51	57.9	7.65	57.4	7.85
	-12.6	-13.0	66.0	7.21	66.0	7.45	66.0	7.61	65.4	7.75	65.4	7.88	64.9	8.05
	-9.0	-9.4	71.9	7.28	71.9	7.51	71.9	7.68	71.4	7.81	71.4	7.91	70.9	8.12
	-3.6	-4.0	77.5	7.34	77.5	7.58	77.5	7.75	77.0	7.88	77.0	8.02	76.5	7.55
	-1.8	-2.2	78.4	7.38	78.4	7.61	78.4	7.78	77.9	7.91	77.9	7.85	77.4	7.38
	1.9	1.4	79.7	7.43	79.7	7.66	79.7	7.76	79.2	7.68	79.2	7.51	78.7	7.09
	7.3	5.0	81.0	7.48	81.0	7.71	81.0	7.75	80.5	7.45	80.5	7.18	80.0	6.79
	10.8	8.6	81.5	7.51	81.5	7.75	81.5	7.41	81.0	7.14	81.0	6.91	80.5	6.57
	14.4	12.2	81.4	7.55	81.4	7.51	81.4	7.14	81.0	6.90	81.0	6.68	80.6	6.37
	14.9	14.0	81.4	7.58	81.4	7.34	81.4	6.99	81.0	6.77	81.0	6.56	80.6	6.26
	16.7	15.6	81.4	7.58	81.4	7.21	81.4	6.89	81.0	6.67	81.0	6.47	80.6	6.18
	19.4	18.3	81.4	7.51	81.4	7.04	81.4	6.72	81.0	6.52	81.0	6.33	80.6	6.07
	23.0	21.9	81.4	7.28	81.4	6.84	81.4	6.55	81.0	6.36	81.0	6.18	79.6	5.94
	26.6	25.3	81.4	7.05	81.4	6.65	81.4	6.38	81.0	6.20	81.0	6.04	76.6	5.81
	32.0	30.7	81.3	6.70	81.3	6.35	81.3	6.11	81.0	5.96	78.7	5.81	72.2	5.62
	37.4	36.0	81.6	6.35	81.6	6.06	81.6	5.85	81.0	5.72	74.8	5.60	68.7	5.26
	41.0	39.4	84.4	6.16	84.4	5.89	84.4	5.71	81.0	5.59	74.8	5.42	68.7	4.93
	47.0	43.0	87.1	6.04	87.1	5.79	87.1	5.61	81.0	5.50	74.8	5.17	68.7	4.69
	48.2	46.2	92.8	5.93	89.9	5.69	87.2	5.53	81.0	5.27	74.8	4.96	68.7	4.52
	51.8	49.6	98.6	5.86	92.7	5.63	87.2	5.42	81.0	5.11	74.8	4.81	68.7	4.39
	55.4	53.2	99.9	5.79	93.3	5.57	87.2	5.26	81.0	4.96	74.8	4.68	68.7	4.27
	59.0	56.7	99.9	5.72	93.3	5.52	87.2	5.11	81.0	4.82	74.8	4.55	68.7	4.16
	64.4	62.2	99.9	5.62	93.3	5.43	87.2	4.87	81.0	4.59	74.8	4.34	68.7	3.99
	68.0	65.3	99.9	5.56	93.3	5.38	87.2	4.73	81.0	4.47	74.8	4.22	68.7	3.89
	75.2	68.9	99.9	5.50	93.3	5.33	87.2	4.57	81.0	4.32	74.8	4.09	68.7	3.78

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
90	-21.6	-22.0	54.9	6.96	54.4	7.21	53.9	7.41	53.9	7.51	53.4	7.65	53.4	7.81
	-17.1	-17.5	58.9	7.28	58.4	7.51	57.9	7.71	57.9	7.81	57.4	7.95	57.4	8.08
	-12.6	-13.0	66.5	7.51	66.0	7.75	65.4	7.91	65.4	8.02	64.9	8.15	64.9	7.78
	-9.0	-9.4	72.4	7.58	71.9	7.81	71.4	7.98	71.4	8.08	70.9	7.88	70.9	7.41
	-3.6	-4.0	78.0	7.65	77.5	7.88	77.0	7.91	77.0	7.61	76.5	7.34	76.5	6.94
	-1.8	-2.2	78.9	7.68	78.4	7.91	77.9	7.71	77.9	7.45	77.4	7.18	77.4	6.80
	1.9	1.4	80.2	7.73	79.7	7.68	79.2	7.40	79.2	7.15	78.7	6.91	78.7	6.57
	7.3	5.0	81.5	7.78	81.0	7.45	80.5	7.09	80.5	6.86	80.0	6.64	80.0	6.34
	10.8	8.6	81.9	7.65	81.5	7.18	81.0	6.83	81.0	6.62	80.5	6.43	80.5	6.15
	14.4	12.2	81.9	7.34	81.4	6.90	81.0	6.60	81.0	6.42	80.6	6.24	80.6	5.99
	14.9	14.0	81.8	7.18	81.4	6.77	81.0	6.49	81.0	6.31	80.6	6.14	78.9	5.90
	16.7	15.6	81.8	7.07	81.4	6.67	81.0	6.40	81.0	6.23	80.6	6.07	77.3	5.84
	19.4	18.3	81.8	6.89	81.4	6.53	81.0	6.27	81.0	6.11	80.6	5.96	74.7	5.74
	23.0	21.9	81.8	6.70	81.4	6.36	81.0	6.13	81.0	5.98	78.0	5.83	71.6	5.63
	26.6	25.3	81.7	6.52	81.4	6.21	81.0	5.99	81.0	5.85	75.1	5.72	68.9	5.53
	32.0	30.7	81.7	6.24	81.3	5.96	81.0	5.77	76.6	5.65	70.8	5.53	65.0	5.09
	37.4	36.0	84.9	5.96	81.6	5.72	78.4	5.56	72.9	5.36	67.4	5.04	61.8	4.59
	41.0	39.4	89.9	5.81	84.0	5.59	78.4	5.31	72.9	5.00	67.4	4.72	61.8	4.31
	47.0	43.0	89.9	5.70	84.0	5.50	78.4	5.06	72.9	4.78	67.4	4.51	61.8	4.13
	48.2	46.2	89.9	5.62	84.0	5.27	78.4	4.85	72.9	4.58	67.4	4.34	61.8	3.98
	51.8	49.6	89.9	5.56	84.0	5.11	78.4	4.71	72.9	4.46	67.4	4.22	61.8	3.88
	55.4	53.2	89.9	5.51	84.0	4.96	78.4	4.58	72.9	4.35	67.4	4.11	61.8	3.80
	59.0	56.7	89.9	5.35	84.0	4.82	78.4	4.46	72.9	4.23	67.4	4.01	61.8	3.71
	64.4	62.2	89.9	5.09	84.0	4.59	78.4	4.27	72.9	4.03	67.4	3.85	61.8	3.57
	68.0	65.3	89.9	4.95	84.0	4.47	78.4	4.17	72.9	3.93	67.4	3.77	61.8	3.49
	75.2	68.9	89.9	4.78	84.0	4.32	78.4	4.04	72.9	3.80	67.4	3.66	61.8	3.40
80	-21.6	-22.0	54.4	7.34	53.9	7.55	53.4	7.71	53.4	7.81	53.4	7.91	52.9	8.05
	-17.1	-17.5	58.4	7.65	57.9	7.85	57.4	8.02	57.4	8.08	57.4	8.18	56.9	8.22
	-12.6	-13.0	66.0	7.85	65.4	8.05	64.9	8.12	64.9	7.78	64.9	7.48	64.4	7.08
	-9.0	-9.4	71.9	7.91	71.4	8.12	70.9	7.68	70.9	7.41	70.9	7.14	70.4	6.78
	-3.6	-4.0	77.5	7.98	77.0	7.55	76.5	7.18	76.5	6.94	76.5	6.71	76.0	6.41
	-1.8	-2.2	78.4	7.88	77.9	7.38	77.4	7.02	77.4	6.80	77.4	6.59	76.9	6.29
	1.9	1.4	79.7	7.55	79.2	7.09	78.7	6.77	78.7	6.57	78.7	6.38	78.2	6.11
	7.3	5.0	81.0	7.21	80.5	6.80	80.0	6.52	80.0	6.34	80.0	6.17	78.7	5.93
	10.8	8.6	81.5	6.94	81.0	6.57	80.5	6.31	80.5	6.15	80.5	6.00	75.3	5.79
	14.4	12.2	81.4	6.70	81.0	6.37	80.6	6.13	80.6	5.99	78.2	5.85	71.8	5.65
	14.9	14.0	81.4	6.58	81.0	6.26	80.6	6.04	80.6	5.90	76.4	5.77	70.1	5.58
	16.7	15.6	81.4	6.49	81.0	6.19	80.6	5.97	80.6	5.84	74.8	5.71	68.7	5.53
	19.4	18.3	81.4	6.36	81.0	6.07	80.6	5.87	78.4	5.74	72.4	5.62	66.4	5.36
	23.0	21.9	81.4	6.20	81.0	5.94	80.6	5.75	75.1	5.64	69.4	5.53	63.7	5.08
	26.6	25.3	84.4	6.06	81.0	5.82	77.7	5.64	72.2	5.54	66.7	5.29	61.2	4.82
	32.0	30.7	84.0	5.83	78.5	5.62	73.3	5.40	68.1	5.10	62.9	4.81	57.8	4.41
	37.4	36.0	79.9	5.61	74.6	5.27	69.7	4.86	64.8	4.60	59.9	4.36	55.0	4.01
	41.0	39.4	79.9	5.47	74.6	4.93	69.7	4.55	64.8	4.32	59.9	4.10	55.0	3.79
	47.0	43.0	79.9	5.21	74.6	4.70	69.7	4.35	64.8	4.13	59.9	3.93	55.0	3.63
	48.2	46.2	79.9	4.99	74.6	4.52	69.7	4.20	64.8	3.99	59.9	3.80	55.0	3.52
	51.8	49.6	79.9	4.84	74.6	4.40	69.7	4.09	64.8	3.89	59.9	3.70	55.0	3.44
	55.4	53.2	79.9	4.71	74.6	4.28	69.7	3.98	64.8	3.80	59.9	3.61	55.0	3.38
	59.0	56.7	79.9	4.58	74.6	4.17	69.7	3.88	64.8	3.71	59.9	3.54	55.0	3.30
	64.4	62.2	79.9	4.37	74.6	4.00	69.7	3.72	64.8	3.57	59.9	3.41	55.0	3.18
	68.0	65.3	79.9	4.26	74.6	3.90	69.7	3.64	64.8	3.49	59.9	3.35	55.0	3.11
	75.2	68.9	79.9	4.12	74.6	3.79	69.7	3.53	64.8	3.40	59.9	3.27	55.0	3.03

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
70	-21.6	-22.0	53.4	7.71	53.4	7.88	53.4	7.98	52.9	7.83	52.9	7.74	52.6	7.26
	-17.1	-17.5	57.4	8.02	57.4	8.15	57.4	8.25	56.9	8.08	56.9	7.78	56.7	7.31
	-12.6	-13.0	64.9	8.15	64.9	7.61	64.9	7.24	64.4	7.00	64.4	6.77	64.1	6.46
	-9.0	-9.4	70.9	7.71	70.9	7.24	70.9	6.92	70.4	6.71	70.4	6.51	70.1	6.23
	-3.6	-4.0	76.5	7.21	76.5	6.80	76.5	6.52	76.0	6.35	76.0	6.18	75.7	5.94
	-1.8	-2.2	77.4	7.05	77.4	6.67	77.4	6.41	76.9	6.24	76.9	6.08	74.4	5.86
	1.9	1.4	78.7	6.80	78.7	6.45	78.7	6.21	78.2	6.06	77.9	5.92	71.5	5.72
	7.3	5.0	80.0	6.54	80.0	6.23	80.0	6.02	79.6	5.89	75.0	5.76	68.9	5.58
	10.8	8.6	80.5	6.34	80.5	6.06	80.5	5.87	77.7	5.74	71.8	5.63	65.9	5.38
	14.4	12.2	81.5	6.15	80.6	5.90	79.7	5.72	74.0	5.61	68.4	5.51	62.8	5.06
	14.9	14.0	83.4	6.06	80.6	5.82	77.8	5.65	72.3	5.55	66.8	5.34	61.3	4.89
	16.7	15.6	85.2	5.99	80.6	5.76	76.3	5.60	70.9	5.50	65.5	5.20	60.1	4.77
	19.4	18.3	84.6	5.89	79.0	5.67	73.8	5.52	68.6	5.26	63.3	4.97	58.1	4.57
	23.0	21.9	81.0	5.77	75.7	5.57	70.7	5.27	65.7	4.99	60.7	4.73	55.7	4.35
	26.6	25.3	77.9	5.66	72.8	5.41	68.0	5.00	63.2	4.74	58.4	4.49	53.6	4.15
	32.0	30.7	73.5	5.44	68.7	4.92	64.1	4.56	59.6	4.34	55.1	4.12	50.5	3.82
	37.4	36.0	69.9	4.90	65.3	4.44	61.0	4.14	56.7	3.95	52.4	3.76	48.1	3.50
	41.0	39.4	69.9	4.58	65.3	4.18	61.0	3.90	56.7	3.72	52.4	3.56	48.1	3.32
	47.0	43.0	69.9	4.38	65.3	4.00	61.0	3.74	56.7	3.57	52.4	3.42	48.1	3.20
	48.2	46.2	69.9	4.22	65.3	3.87	61.0	3.62	56.7	3.46	52.4	3.32	48.1	3.12
	51.8	49.6	69.9	4.11	65.3	3.77	61.0	3.54	56.7	3.40	52.4	3.26	48.1	3.06
	55.4	53.2	69.9	4.01	65.3	3.69	61.0	3.46	56.7	3.32	52.4	3.19	48.1	3.01
	59.0	56.7	69.9	3.91	65.3	3.60	61.0	3.40	56.7	3.26	52.4	3.13	48.1	2.95
	64.4	62.2	69.9	3.76	65.3	3.46	61.0	3.29	56.7	3.15	52.4	3.02	48.1	2.87
	68.0	65.3	69.9	3.67	65.3	3.38	61.0	3.23	56.7	3.09	52.4	2.96	48.1	2.82
	75.2	68.9	69.9	3.57	65.3	3.29	61.0	3.17	56.7	3.03	52.4	2.90	48.1	2.76
60	-21.6	-22.0	52.9	7.37	52.9	7.54	52.9	7.64	52.9	7.31	47.6	7.23	41.8	6.74
	-17.1	-17.5	56.9	7.71	56.9	7.88	56.9	7.98	56.9	7.83	51.9	7.74	46.4	7.26
	-12.6	-13.0	64.4	8.02	64.4	8.15	64.4	8.25	64.4	8.08	59.2	7.78	53.3	7.31
	-9.0	-9.4	70.4	8.15	70.4	7.61	70.4	7.24	70.4	7.00	65.2	6.77	59.4	6.46
	-3.6	-4.0	76.0	7.71	76.0	7.24	76.0	6.92	76.0	6.71	70.7	6.51	64.9	6.23
	-1.8	-2.2	76.9	7.21	76.9	6.80	76.9	6.52	75.2	6.35	69.5	6.18	63.7	5.94
	1.9	1.4	78.7	7.05	78.2	6.67	77.7	6.41	72.2	6.24	66.8	6.08	61.3	5.86
	7.3	5.0	84.5	6.80	79.6	6.45	74.9	6.21	69.6	6.06	64.3	5.92	59.0	5.72
	10.8	8.6	82.1	6.54	76.7	6.23	71.7	6.02	66.6	5.89	61.5	5.76	56.5	5.58
	14.4	12.2	78.3	6.34	73.1	6.06	68.3	5.87	63.5	5.74	58.6	5.63	53.8	5.38
	14.9	14.0	76.5	6.15	71.4	5.90	66.7	5.72	62.0	5.61	57.3	5.51	52.6	5.06
	16.7	15.6	74.9	6.06	70.0	5.82	65.4	5.65	60.7	5.55	56.1	5.34	51.5	4.89
	19.4	18.3	72.5	5.99	67.7	5.76	63.2	5.60	58.8	5.50	54.3	5.20	49.8	4.77
	23.0	21.9	69.5	5.89	64.9	5.67	60.6	5.52	56.3	5.26	52.0	4.97	47.8	4.57
	26.6	25.3	66.8	5.77	62.4	5.57	58.3	5.27	54.2	4.99	50.0	4.73	45.9	4.35
	32.0	30.7	63.0	5.66	58.9	5.41	55.0	5.00	51.1	4.74	47.2	4.49	43.3	4.15
	37.4	36.0	59.9	5.44	56.0	4.92	52.3	4.56	48.6	4.34	44.9	4.12	41.2	3.82
	41.0	39.4	59.9	4.90	56.0	4.44	52.3	4.14	48.6	3.95	44.9	3.76	41.2	3.50
	47.0	43.0	59.9	4.58	56.0	4.18	52.3	3.90	48.6	3.72	44.9	3.56	41.2	3.32
	48.2	46.2	59.9	4.38	56.0	4.00	52.3	3.74	48.6	3.57	44.9	3.42	41.2	3.20
	51.8	49.6	59.9	4.22	56.0	3.87	52.3	3.62	48.6	3.46	44.9	3.32	41.2	3.12
	55.4	53.2	59.9	4.11	56.0	3.77	52.3	3.54	48.6	3.40	44.9	3.26	41.2	3.06
	59.0	56.7	59.9	4.01	56.0	3.69	52.3	3.46	48.6	3.32	44.9	3.19	41.2	3.01
	64.4	62.2	59.9	3.85	56.0	3.55	52.3	3.34	48.6	3.20	44.9	3.09	41.2	2.92
	68.0	65.3	59.9	3.77	56.0	3.47	52.3	3.27	48.6	3.13	44.9	3.03	41.2	2.87
	75.2	68.9	59.9	3.66	56.0	3.38	52.3	3.19	48.6	3.05	44.9	2.96	41.2	2.82

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
50	-21.6	-22.0	55.7	6.86	50.4	7.03	45.5	7.13	40.7	6.80	35.9	6.71	31.0	6.23
	-17.1	-17.5	59.6	7.37	54.6	7.54	50.0	7.64	45.3	7.31	40.7	7.23	36.1	6.74
	-12.6	-13.0	67.2	7.71	61.9	7.88	57.1	7.98	52.2	7.83	47.4	7.74	42.5	7.26
	-9.0	-9.4	73.0	8.02	67.9	8.15	63.1	8.25	58.3	8.08	53.5	7.78	48.8	7.31
	-3.6	-4.0	78.6	8.15	73.4	7.61	68.6	7.24	63.8	7.00	58.9	6.77	54.1	6.46
	-1.8	-2.2	77.3	7.71	72.2	7.24	67.4	6.92	62.6	6.71	57.9	6.51	53.1	6.23
	1.9	1.4	74.2	7.21	69.4	6.80	64.8	6.52	60.2	6.35	55.6	6.18	51.1	5.94
	7.3	5.0	71.5	7.05	66.8	6.67	62.4	6.41	58.0	6.24	53.6	6.08	49.2	5.86
	10.8	8.6	68.4	6.80	63.9	6.45	59.7	6.21	55.5	6.06	51.3	5.92	47.1	5.72
	14.4	12.2	65.2	6.54	60.9	6.23	56.9	6.02	52.9	5.89	48.9	5.76	44.8	5.58
	14.9	14.0	63.7	6.34	59.5	6.06	55.6	5.87	51.7	5.74	47.7	5.63	43.8	5.38
	16.7	15.6	62.4	6.15	58.3	5.90	54.5	5.72	50.6	5.61	46.8	5.51	42.9	5.06
	19.4	18.3	60.4	6.06	56.4	5.82	52.7	5.65	49.0	5.55	45.2	5.34	41.5	4.89
	23.0	21.9	57.9	5.99	54.1	5.76	50.5	5.60	46.9	5.50	43.4	5.20	39.8	4.77
	26.6	25.3	55.7	5.89	52.0	5.67	48.6	5.52	45.1	5.26	41.7	4.97	38.3	4.57
	32.0	30.7	52.5	5.77	49.0	5.57	45.8	5.27	42.6	4.99	39.3	4.73	36.1	4.35
	37.4	36.0	50.0	5.66	46.7	5.41	43.6	5.00	40.5	4.74	37.4	4.49	34.3	4.15
	41.0	39.4	50.0	5.44	46.7	4.92	43.6	4.56	40.5	4.34	37.4	4.12	34.3	3.82
	47.0	43.0	50.0	4.90	46.7	4.44	43.6	4.14	40.5	3.95	37.4	3.76	34.3	3.50
	48.2	46.2	50.0	4.58	46.7	4.18	43.6	3.90	40.5	3.72	37.4	3.56	34.3	3.32
	51.8	49.6	50.0	4.38	46.7	4.00	43.6	3.74	40.5	3.57	37.4	3.42	34.3	3.20
	55.4	53.2	50.0	4.22	46.7	3.87	43.6	3.62	40.5	3.46	37.4	3.32	34.3	3.12
	59.0	56.7	50.0	4.11	46.7	3.77	43.6	3.54	40.5	3.40	37.4	3.26	34.3	3.06
	64.4	62.2	50.0	3.93	46.7	3.62	43.6	3.40	40.5	3.29	37.4	3.15	34.3	2.97
	68.0	65.3	50.0	3.84	46.7	3.53	43.6	3.32	40.5	3.23	37.4	3.09	34.3	2.93
	75.2	68.9	50.0	3.72	46.7	3.43	43.6	3.23	40.5	3.17	37.4	3.03	34.3	2.87

GMV-VQ96WM/C-W

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
135	-21.6	-22.0	57.9	8.28	57.5	8.55	57.1	8.79	56.7	9.00	56.3	9.21	55.8	9.58
	-17.1	-17.5	65.3	8.94	64.9	9.17	64.4	9.38	64.0	9.58	63.6	9.79	63.2	10.11
	-12.6	-13.0	75.2	9.38	74.7	9.58	74.2	9.79	73.8	9.95	73.3	10.15	72.9	10.44
	-9.0	-9.4	84.9	9.50	84.4	9.70	84.0	9.87	83.5	10.07	83.0	10.28	82.6	10.56
	-3.6	-4.0	91.3	9.70	90.8	9.87	90.3	10.03	89.8	10.20	89.4	10.40	88.9	10.69
	-1.8	-2.2	93.2	9.75	92.7	9.91	92.3	10.07	91.8	10.24	91.3	10.44	90.9	10.73
	1.9	1.4	99.1	9.83	98.6	9.99	98.2	10.15	97.7	10.32	97.2	10.52	96.7	10.81
	7.3	5.0	106.1	9.91	105.6	10.07	105.1	10.24	104.6	10.40	104.1	10.61	103.7	10.89
	10.8	8.6	107.7	9.99	107.3	10.15	106.8	10.28	106.3	10.48	105.9	10.65	105.4	10.93
	14.4	12.2	109.7	10.07	109.2	10.20	108.8	10.36	108.3	10.52	107.9	10.73	107.4	10.97
	14.9	14.0	110.7	10.11	110.2	10.24	109.8	10.40	109.3	10.56	108.9	10.73	108.4	10.89
	16.7	15.6	110.6	10.11	110.2	10.28	109.7	10.40	109.3	10.61	108.9	10.77	108.4	10.69
	19.4	18.3	110.5	10.20	110.1	10.32	109.7	10.44	109.3	10.65	108.8	10.81	108.4	10.40
	23.0	21.9	110.4	10.12	110.0	10.24	109.6	10.34	109.2	10.45	108.8	10.51	108.4	10.08
	26.6	25.3	110.3	10.05	110.0	10.17	109.6	10.25	109.2	10.26	108.8	10.22	108.4	9.78
	32.0	30.7	110.2	9.94	109.8	10.06	109.5	10.10	109.1	9.95	108.7	9.77	108.4	9.31
	37.4	36.0	110.1	9.83	109.8	9.95	109.4	9.95	109.1	9.66	108.7	9.34	108.4	8.85
	41.0	39.4	113.5	9.70	113.2	9.66	112.8	9.66	112.5	9.34	112.1	9.03	111.8	8.60
	47.0	43.0	117.1	9.54	116.8	9.62	116.4	9.42	116.1	9.13	115.7	8.84	115.4	8.43
	48.2	46.2	120.7	9.58	120.4	9.66	120.0	9.21	119.7	8.93	119.3	8.65	119.0	8.27
	51.8	49.6	124.3	9.58	124.0	9.50	123.6	9.06	123.3	8.79	122.9	8.53	122.6	8.16
	55.4	53.2	128.1	9.62	127.8	9.34	127.4	8.92	127.1	8.66	126.7	8.41	123.6	8.06
	59.0	56.7	131.7	9.66	131.4	9.17	131.0	8.79	130.7	8.54	130.3	8.30	123.6	7.97
	64.4	62.2	137.6	9.73	137.2	8.90	136.9	8.57	136.5	8.34	134.7	8.12	123.6	7.81
	68.0	65.3	140.8	9.77	140.5	8.76	140.1	8.46	139.8	8.23	134.7	8.02	123.6	7.73
	75.2	68.9	144.6	9.81	144.3	8.59	143.9	8.32	143.6	8.10	134.7	7.90	123.6	7.63
120	-21.6	-22.0	57.5	8.56	57.1	8.88	56.7	9.17	56.3	9.38	55.8	9.58	55.8	9.95
	-17.1	-17.5	64.9	9.17	64.4	9.46	64.0	9.75	63.6	9.91	63.2	10.11	63.2	10.44
	-12.6	-13.0	74.7	9.58	74.2	9.87	73.8	10.11	73.3	10.32	72.9	10.48	72.9	10.77
	-9.0	-9.4	84.4	9.70	84.0	9.95	83.5	10.24	83.0	10.40	82.6	10.61	82.6	10.85
	-3.6	-4.0	90.8	9.87	90.3	10.11	89.8	10.36	89.4	10.52	88.9	10.73	88.9	11.01
	-1.8	-2.2	92.7	9.91	92.3	10.15	91.8	10.40	91.3	10.56	90.9	10.77	90.9	11.01
	1.9	1.4	98.6	9.99	98.2	10.24	97.7	10.48	97.2	10.65	96.7	10.83	96.7	11.10
	7.3	5.0	105.6	10.07	105.1	10.32	104.6	10.56	104.1	10.73	103.7	10.89	103.7	11.18
	10.8	8.6	107.3	10.15	106.8	10.36	106.3	10.61	105.9	10.81	105.4	10.97	105.4	10.77
	14.4	12.2	109.2	10.20	108.8	10.44	108.3	10.69	107.9	10.85	107.4	11.01	107.4	10.36
	14.9	14.0	110.2	10.24	109.8	10.48	109.3	10.73	108.9	10.89	108.4	10.81	108.4	10.11
	16.7	15.6	110.2	10.28	109.7	10.48	109.3	10.73	108.9	10.89	108.4	10.61	108.4	9.99
	19.4	18.3	110.1	10.32	109.7	10.52	109.3	10.77	108.8	10.77	108.4	10.32	108.4	9.75
	23.0	21.9	110.0	10.24	109.6	10.39	109.2	10.49	108.8	10.43	108.4	10.01	108.4	9.47
	26.6	25.3	110.0	10.17	109.6	10.26	109.2	10.22	108.8	10.10	108.4	9.72	108.4	9.21
	32.0	30.7	109.8	10.06	109.5	10.06	109.1	9.79	108.7	9.59	108.4	9.25	108.4	8.80
	37.4	36.0	109.8	9.95	109.4	9.87	109.1	9.38	108.7	9.09	108.4	8.81	108.4	8.41
	41.0	39.4	113.2	9.66	112.8	9.54	112.5	9.09	112.1	8.82	111.8	8.56	109.7	8.19
	47.0	43.0	116.8	9.62	116.4	9.30	116.1	8.89	115.7	8.64	115.4	8.39	109.7	8.04
	48.2	46.2	120.4	9.66	120.0	9.09	119.7	8.71	119.3	8.46	119.0	8.23	109.7	7.91
	51.8	49.6	124.0	9.46	123.6	8.95	123.3	8.58	122.9	8.35	119.7	8.13	109.7	7.82
	55.4	53.2	127.8	9.30	127.4	8.81	127.1	8.46	126.7	8.24	119.7	8.03	109.7	7.65
	59.0	56.7	131.4	9.17	131.0	8.68	130.7	8.35	129.6	8.14	119.7	7.94	109.7	7.42
	64.4	62.2	137.2	8.97	136.9	8.47	136.5	8.17	129.6	7.97	119.7	7.78	109.7	7.04
	68.0	65.3	140.8	8.86	140.1	8.36	139.4	8.07	129.6	7.88	119.7	7.70	109.7	6.83
	75.2	68.9	148.5	8.73	143.9	8.23	139.4	7.95	129.6	7.77	119.7	7.60	109.7	6.59

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
110	-21.6	-22.0	57.1	8.93	56.7	9.30	56.3	9.58	55.8	9.79	55.8	9.99	55.4	10.32
	-17.1	-17.5	64.4	9.50	64.0	9.83	63.6	10.11	63.2	10.32	63.2	10.48	62.8	10.77
	-12.6	-13.0	74.3	9.91	73.8	10.24	73.3	10.48	72.9	10.65	72.9	10.85	72.4	11.10
	-9.0	-9.4	84.0	9.99	83.5	10.32	83.0	10.56	82.6	10.77	82.6	10.93	82.1	11.18
	-3.6	-4.0	90.3	10.15	89.8	10.48	89.4	10.73	88.9	10.89	88.9	11.06	88.4	11.30
	-1.8	-2.2	92.3	10.20	91.8	10.52	91.3	10.77	90.9	10.93	90.9	11.07	90.4	11.34
	1.9	1.4	98.2	10.28	97.7	10.58	97.2	10.83	96.7	10.99	96.7	11.08	96.3	10.87
	7.3	5.0	105.1	10.36	104.6	10.65	104.1	10.89	103.7	11.06	103.7	11.10	103.2	10.40
	10.8	8.6	106.8	10.40	106.3	10.73	105.9	10.97	105.4	11.10	105.4	10.65	104.9	9.99
	14.4	12.2	108.8	10.48	108.3	10.77	107.9	11.01	107.4	10.65	107.4	10.24	107.0	9.62
	14.9	14.0	109.8	10.48	109.3	10.81	108.9	10.81	108.4	10.40	108.4	9.99	108.0	9.46
	16.7	15.6	109.8	10.52	109.3	10.85	108.9	10.65	108.4	10.24	108.4	9.87	108.0	9.34
	19.4	18.3	109.7	10.56	109.3	10.85	108.8	10.36	108.4	9.99	108.4	9.62	108.0	9.11
	23.0	21.9	109.6	10.41	109.2	10.52	108.8	10.05	108.4	9.70	108.4	9.36	108.0	8.88
	26.6	25.3	109.6	10.25	109.2	10.20	108.8	9.75	108.4	9.43	108.4	9.11	108.0	8.67
	32.0	30.7	109.5	10.02	109.1	9.70	108.7	9.28	108.4	8.99	108.4	8.71	106.2	8.33
	37.4	36.0	109.4	9.79	109.1	9.21	108.7	8.82	108.4	8.57	108.4	8.33	100.8	8.00
	41.0	39.4	112.8	9.46	112.5	8.93	112.1	8.57	111.8	8.34	109.7	8.12	100.7	7.82
	47.0	43.0	116.4	9.25	116.1	8.74	115.7	8.40	115.4	8.19	109.7	7.98	100.7	7.54
	48.2	46.2	120.0	9.03	119.7	8.57	119.3	8.25	118.8	8.05	109.7	7.85	100.7	7.22
	51.8	49.6	123.6	8.89	123.3	8.44	122.9	8.14	118.8	7.95	109.7	7.73	100.7	7.00
	55.4	53.2	127.4	8.75	127.1	8.33	126.7	8.04	118.8	7.86	109.7	7.50	100.7	6.80
	59.0	56.7	133.6	8.63	130.7	8.23	127.8	7.95	118.8	7.76	109.7	7.28	100.7	6.62
	64.4	62.2	145.9	8.43	136.5	8.05	127.8	7.80	118.8	7.59	109.7	6.92	100.7	6.32
	68.0	65.3	146.5	8.32	136.9	7.96	127.8	7.72	118.8	7.50	109.7	6.72	100.7	6.15
	75.2	68.9	146.5	8.19	136.9	7.85	127.8	7.63	118.8	7.40	109.7	6.49	100.7	5.95
100	-21.6	-22.0	56.7	9.38	56.3	9.75	55.8	10.03	55.4	10.20	55.4	10.40	55.0	10.69
	-17.1	-17.5	64.0	9.91	63.6	10.24	63.2	10.52	62.8	10.69	62.8	10.85	62.4	11.14
	-12.6	-13.0	73.8	10.32	73.3	10.61	72.9	10.85	72.4	11.01	72.4	11.18	72.0	11.42
	-9.0	-9.4	83.5	10.40	83.0	10.73	82.6	10.93	82.1	11.10	82.1	11.26	81.6	11.51
	-3.6	-4.0	89.8	10.52	89.4	10.85	88.9	11.06	88.4	11.22	88.4	11.38	88.0	10.69
	-1.8	-2.2	91.8	10.56	91.3	10.89	90.9	11.10	90.4	11.26	90.4	11.14	89.9	10.44
	1.9	1.4	97.7	10.65	97.2	10.95	96.7	11.06	96.3	10.93	96.3	10.67	95.8	10.03
	7.3	5.0	104.6	10.73	104.1	11.01	103.7	11.01	103.2	10.61	103.2	10.20	102.7	9.62
	10.8	8.6	106.3	10.77	105.9	11.10	105.4	10.56	104.9	10.20	104.9	9.83	104.5	9.30
	14.4	12.2	108.3	10.85	107.9	10.73	107.4	10.15	107.0	9.83	107.0	9.46	106.5	8.99
	14.9	14.0	109.3	10.89	108.9	10.48	108.4	9.95	108.0	9.62	108.0	9.30	107.6	8.84
	16.7	15.6	109.3	10.89	108.9	10.32	108.4	9.83	108.0	9.50	108.0	9.17	107.6	8.73
	19.4	18.3	109.3	10.77	108.8	10.07	108.4	9.58	108.0	9.25	108.0	8.97	107.6	8.55
	23.0	21.9	109.2	10.43	108.8	9.78	108.4	9.32	108.0	9.02	108.0	8.75	106.3	8.37
	26.6	25.3	109.2	10.10	108.8	9.50	108.4	9.07	108.0	8.79	108.0	8.55	102.3	8.19
	32.0	30.7	109.1	9.59	108.7	9.06	108.4	8.68	108.0	8.44	105.3	8.22	96.7	7.91
	37.4	36.0	109.1	9.10	108.7	8.63	108.4	8.30	108.0	8.10	100.0	7.90	91.7	7.36
	41.0	39.4	112.5	8.82	112.1	8.39	111.8	8.10	108.0	7.91	99.8	7.64	91.6	6.93
	47.0	43.0	116.1	8.64	115.7	8.23	115.4	7.96	108.0	7.78	99.8	7.30	91.6	6.63
	48.2	46.2	122.5	8.47	119.3	8.09	116.2	7.83	108.0	7.45	99.8	7.00	91.6	6.39
	51.8	49.6	130.0	8.35	122.9	7.99	116.2	7.68	108.0	7.22	99.8	6.80	91.6	6.20
	55.4	53.2	133.2	8.24	124.4	7.90	116.2	7.44	108.0	7.01	99.8	6.61	91.6	6.04
	59.0	56.7	133.2	8.14	124.4	7.81	116.2	7.22	108.0	6.82	99.8	6.43	91.6	5.89
	64.4	62.2	133.2	7.97	124.4	7.67	116.2	6.86	108.0	6.49	99.8	6.15	91.6	5.64
	68.0	65.3	133.2	7.88	124.4	7.60	116.2	6.67	108.0	6.32	99.8	5.99	91.6	5.51
	75.2	68.9	133.2	7.77	124.4	7.51	116.2	6.43	108.0	6.11	99.8	5.81	91.6	5.35

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
90	-21.6	-22.0	56.3	9.87	55.8	10.20	55.4	10.48	55.4	10.65	55.0	10.81	54.6	11.06
	-17.1	-17.5	63.6	10.36	63.2	10.69	62.8	10.93	62.8	11.10	62.4	11.26	61.9	11.47
	-12.6	-13.0	73.3	10.73	72.9	11.01	72.4	11.26	72.4	11.38	72.0	11.55	71.5	11.01
	-9.0	-9.4	83.0	10.81	82.6	11.10	82.1	11.34	82.1	11.47	81.6	11.18	81.2	10.44
	-3.6	-4.0	89.4	10.93	88.9	11.22	88.4	11.26	88.4	10.81	88.0	10.36	87.5	9.79
	-1.8	-2.2	91.3	10.97	90.9	11.26	90.4	10.97	90.4	10.56	89.9	10.15	89.5	9.58
	1.9	1.4	97.2	11.06	96.7	10.93	96.3	10.52	96.3	10.13	95.8	9.77	95.3	9.25
	7.3	5.0	104.1	11.14	103.7	10.61	103.2	10.07	103.2	9.70	102.7	9.38	102.2	8.91
	10.8	8.6	105.9	10.89	105.4	10.20	104.9	9.70	104.9	9.38	104.5	9.07	104.0	8.64
	14.4	12.2	107.9	10.48	107.4	9.83	107.0	9.38	107.0	9.07	106.5	8.80	106.1	8.41
	14.9	14.0	108.9	10.24	108.4	9.62	108.0	9.17	108.0	8.91	107.6	8.65	105.1	8.28
	16.7	15.6	108.9	10.07	108.4	9.50	108.0	9.06	108.0	8.80	107.6	8.55	103.0	8.19
	19.4	18.3	108.8	9.83	108.4	9.25	108.0	8.87	108.0	8.62	107.6	8.39	99.7	8.06
	23.0	21.9	108.8	9.55	108.4	9.02	108.0	8.66	108.0	8.43	104.3	8.21	95.7	7.90
	26.6	25.3	108.8	9.29	108.4	8.79	108.0	8.46	108.0	8.25	100.4	8.04	92.1	7.72
	32.0	30.7	108.7	8.88	108.4	8.44	108.0	8.15	102.6	7.96	94.8	7.78	87.0	7.07
	37.4	36.0	112.1	8.48	108.4	8.10	104.8	7.84	97.4	7.49	90.0	7.05	82.6	6.43
	41.0	39.4	119.5	8.25	111.8	7.91	104.6	7.47	97.2	7.05	89.8	6.64	82.4	6.07
	47.0	43.0	119.9	8.10	112.0	7.78	104.6	7.15	97.2	6.75	89.8	6.36	82.4	5.84
	48.2	46.2	119.9	7.97	112.0	7.45	104.6	6.86	97.2	6.49	89.8	6.13	82.4	5.63
	51.8	49.6	119.9	7.87	112.0	7.23	104.6	6.67	97.2	6.31	89.8	5.97	82.4	5.49
	55.4	53.2	119.9	7.79	112.0	7.01	104.6	6.48	97.2	6.13	89.8	5.82	82.4	5.36
	59.0	56.7	119.9	7.57	112.0	6.82	104.6	6.31	97.2	5.98	89.8	5.67	82.4	5.24
	64.4	62.2	119.9	7.22	112.0	6.49	104.6	6.02	97.2	5.73	89.8	5.42	82.4	5.03
	68.0	65.3	119.9	7.02	112.0	6.32	104.6	5.87	97.2	5.60	89.8	5.29	82.4	4.91
	75.2	68.9	119.9	6.79	112.0	6.11	104.6	5.68	97.2	5.44	89.8	5.13	82.4	4.78
80	-21.6	-22.0	55.8	10.36	55.4	10.69	55.0	10.93	55.0	11.06	54.6	11.18	54.6	11.38
	-17.1	-17.5	63.2	10.85	62.8	11.14	62.4	11.34	62.4	11.47	61.9	11.55	61.9	11.59
	-12.6	-13.0	72.9	11.18	72.4	11.42	72.0	11.47	72.0	11.01	71.5	10.56	71.5	9.95
	-9.0	-9.4	82.6	11.26	82.1	11.51	81.6	10.89	81.6	10.48	81.2	10.07	81.2	9.50
	-3.6	-4.0	88.9	11.38	88.4	10.69	88.0	10.11	88.0	9.79	87.5	9.46	87.5	8.98
	-1.8	-2.2	90.9	11.22	90.4	10.44	89.9	9.91	89.9	9.58	89.5	9.25	89.5	8.82
	1.9	1.4	96.7	10.73	96.3	10.03	95.8	9.54	95.8	9.25	95.3	8.96	95.3	8.56
	7.3	5.0	103.7	10.24	103.2	9.62	102.7	9.17	102.7	8.92	102.2	8.66	100.5	8.30
	10.8	8.6	105.4	9.87	104.9	9.30	104.5	8.89	104.5	8.65	104.0	8.41	97.3	8.08
	14.4	12.2	107.4	9.50	107.0	8.99	106.5	8.64	106.5	8.41	103.1	8.20	94.6	7.89
	14.9	14.0	108.4	9.34	108.0	8.84	107.6	8.50	107.6	8.29	101.8	8.08	93.4	7.80
	16.7	15.6	108.4	9.21	108.0	8.73	107.6	8.40	107.6	8.20	99.8	8.00	91.6	7.63
	19.4	18.3	108.4	9.00	108.0	8.56	107.6	8.25	104.6	8.06	96.6	7.87	88.7	7.32
	23.0	21.9	108.4	8.78	108.0	8.37	107.6	8.08	100.3	7.90	92.7	7.65	85.0	6.97
	26.6	25.3	112.3	8.58	108.0	8.19	103.9	7.92	96.6	7.72	89.2	7.27	81.9	6.64
	32.0	30.7	112.5	8.25	105.1	7.91	98.1	7.48	91.2	7.07	84.3	6.67	77.3	6.11
	37.4	36.0	106.7	7.93	99.7	7.37	93.1	6.79	86.5	6.43	80.0	6.08	73.4	5.61
	41.0	39.4	106.6	7.70	99.5	6.93	93.0	6.41	86.4	6.07	79.8	5.76	73.3	5.32
	47.0	43.0	106.6	7.36	99.5	6.64	93.0	6.15	86.4	5.84	79.8	5.54	73.3	5.13
	48.2	46.2	106.6	7.06	99.5	6.39	93.0	5.92	86.4	5.63	79.8	5.36	73.3	4.97
	51.8	49.6	106.6	6.85	99.5	6.21	93.0	5.77	86.4	5.49	79.8	5.24	73.3	4.87
	55.4	53.2	106.6	6.65	99.5	6.05	93.0	5.63	86.4	5.36	79.8	5.11	73.3	4.76
	59.0	56.7	106.6	6.48	99.5	5.90	93.0	5.49	86.4	5.24	79.8	5.00	73.3	4.67
	64.4	62.2	106.6	6.20	99.5	5.65	93.0	5.27	86.4	5.03	79.8	4.83	73.3	4.52
	68.0	65.3	106.6	6.04	99.5	5.52	93.0	5.14	86.4	4.91	79.8	4.74	73.3	4.43
	75.2	68.9	106.6	5.86	99.5	5.36	93.0	4.99	86.4	4.78	79.8	4.63	73.3	4.34

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
70	-21.6	-22.0	55.4	10.89	55.0	11.14	54.6	11.30	54.6	11.38	54.2	11.51	53.5	11.67
	-17.1	-17.5	62.8	11.34	62.4	11.51	61.9	11.67	61.9	11.42	61.5	10.97	60.8	10.28
	-12.6	-13.0	72.4	11.55	72.0	10.73	71.5	10.20	71.5	9.83	71.1	9.50	70.3	9.02
	-9.0	-9.4	82.1	10.93	81.6	10.24	81.2	9.70	81.2	9.42	80.7	9.11	79.9	8.69
	-3.6	-4.0	88.4	10.20	88.0	9.58	87.5	9.17	87.5	8.89	87.0	8.64	86.2	8.28
	-1.8	-2.2	90.4	9.95	89.9	9.38	89.5	8.99	89.5	8.74	89.0	8.50	85.7	8.16
	1.9	1.4	96.3	9.58	95.8	9.07	95.3	8.71	95.3	8.48	94.1	8.26	86.4	7.96
	7.3	5.0	103.2	9.21	102.7	8.76	102.2	8.43	102.2	8.23	95.8	8.03	87.9	7.72
	10.8	8.6	104.9	8.93	104.5	8.50	104.0	8.21	100.4	8.02	92.8	7.85	85.1	7.26
	14.4	12.2	108.0	8.67	106.5	8.28	105.1	8.01	97.7	7.84	90.2	7.49	82.8	6.84
	14.9	14.0	111.5	8.53	107.6	8.16	103.7	7.90	96.4	7.68	89.1	7.23	81.7	6.63
	16.7	15.6	113.8	8.43	107.6	8.07	101.7	7.83	94.5	7.48	87.3	7.06	80.1	6.48
	19.4	18.3	112.8	8.28	105.4	7.94	98.4	7.59	91.5	7.18	84.5	6.78	77.6	6.24
	23.0	21.9	108.2	8.11	101.1	7.80	94.4	7.22	87.8	6.84	81.1	6.47	74.4	5.96
	26.6	25.3	104.2	7.95	97.3	7.44	90.9	6.87	84.5	6.52	78.1	6.18	71.6	5.70
	32.0	30.7	98.4	7.54	91.9	6.82	85.9	6.32	79.8	6.01	73.7	5.71	67.7	5.30
	37.4	36.0	93.4	6.84	87.2	6.22	81.5	5.78	75.7	5.52	70.0	5.26	64.2	4.90
	41.0	39.4	93.2	6.46	87.1	5.89	81.3	5.49	75.6	5.24	69.9	5.00	64.1	4.68
	47.0	43.0	93.2	6.19	87.1	5.66	81.3	5.28	75.6	5.05	69.9	4.83	64.1	4.52
	48.2	46.2	93.2	5.97	87.1	5.47	81.3	5.12	75.6	4.90	69.9	4.69	64.1	4.40
	51.8	49.6	93.2	5.81	87.1	5.33	81.3	5.00	75.6	4.80	69.9	4.60	64.1	4.32
	55.4	53.2	93.2	5.67	87.1	5.21	81.3	4.89	75.6	4.69	69.9	4.51	64.1	4.25
	59.0	56.7	93.2	5.53	87.1	5.10	81.3	4.80	75.6	4.61	69.9	4.42	64.1	4.18
	64.4	62.2	93.2	5.30	87.1	4.91	81.3	4.64	75.6	4.48	69.9	4.29	64.1	4.07
	68.0	65.3	93.2	5.18	87.1	4.80	81.3	4.56	75.6	4.40	69.9	4.22	64.1	4.00
	75.2	68.9	93.2	5.03	87.1	4.68	81.3	4.46	75.6	4.32	69.9	4.13	64.1	3.93
60	-21.6	-22.0	55.0	10.34	54.6	10.59	54.2	10.75	54.2	10.83	48.5	10.96	42.6	11.12
	-17.1	-17.5	62.4	10.89	61.9	11.14	61.5	11.30	61.5	11.38	55.7	11.51	49.9	11.67
	-12.6	-13.0	72.0	11.34	71.5	11.51	71.1	11.67	71.1	11.42	64.9	10.97	58.5	10.28
	-9.0	-9.4	81.6	11.55	81.2	10.73	80.7	10.20	80.7	9.83	74.3	9.50	67.8	9.02
	-3.6	-4.0	88.0	10.93	87.5	10.24	87.0	9.70	87.0	9.42	80.5	9.11	73.9	8.69
	-1.8	-2.2	89.9	10.20	89.5	9.58	89.0	9.17	86.6	8.89	80.0	8.64	73.4	8.28
	1.9	1.4	96.7	9.95	95.3	9.38	94.0	8.99	87.3	8.74	80.7	8.50	74.1	8.16
	7.3	5.0	109.2	9.58	102.2	9.07	95.6	8.71	88.9	8.48	82.1	8.26	75.4	7.96
	10.8	8.6	106.1	9.21	99.1	8.76	92.6	8.43	86.1	8.23	79.5	8.03	73.0	7.72
	14.4	12.2	103.2	8.93	96.4	8.50	90.1	8.21	83.7	8.02	77.3	7.85	71.0	7.26
	14.9	14.0	101.9	8.67	95.2	8.28	88.9	8.01	82.6	7.84	76.3	7.49	70.1	6.84
	16.7	15.6	99.9	8.53	93.3	8.16	87.1	7.90	81.0	7.68	74.8	7.23	68.7	6.63
	19.4	18.3	96.7	8.43	90.3	8.07	84.4	7.83	78.4	7.48	72.5	7.06	66.5	6.48
	23.0	21.9	92.8	8.28	86.7	7.94	80.9	7.59	75.2	7.18	69.5	6.78	63.8	6.24
	26.6	25.3	89.3	8.11	83.4	7.80	77.9	7.22	72.4	6.84	66.9	6.47	61.4	5.96
	32.0	30.7	84.4	7.95	78.8	7.44	73.6	6.87	68.4	6.52	63.2	6.18	58.0	5.70
	37.4	36.0	80.1	7.54	74.8	6.82	69.8	6.32	64.9	6.01	60.0	5.71	55.0	5.30
	41.0	39.4	79.9	6.84	74.6	6.22	69.7	5.78	64.8	5.52	59.9	5.26	55.0	4.90
	47.0	43.0	79.9	6.46	74.6	5.89	69.7	5.49	64.8	5.24	59.9	5.00	55.0	4.68
	48.2	46.2	79.9	6.19	74.6	5.66	69.7	5.28	64.8	5.05	59.9	4.83	55.0	4.52
	51.8	49.6	79.9	5.97	74.6	5.47	69.7	5.12	64.8	4.90	59.9	4.69	55.0	4.40
	55.4	53.2	79.9	5.81	74.6	5.33	69.7	5.00	64.8	4.80	59.9	4.60	55.0	4.32
	59.0	56.7	79.9	5.67	74.6	5.21	69.7	4.89	64.8	4.69	59.9	4.51	55.0	4.25
	64.4	62.2	79.9	5.44	74.6	5.02	69.7	4.70	64.8	4.52	59.9	4.35	55.0	4.14
	68.0	65.3	79.9	5.31	74.6	4.92	69.7	4.60	64.8	4.43	59.9	4.27	55.0	4.07
	75.2	68.9	79.9	5.17	74.6	4.80	69.7	4.47	64.8	4.32	59.9	4.17	55.0	4.00

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
50	-21.6	-22.0	56.6	9.52	51.2	9.77	46.4	9.93	41.5	10.01	36.7	10.13	31.8	10.30
	-17.1	-17.5	63.9	10.34	58.5	10.59	53.6	10.75	48.7	10.83	43.8	10.96	38.9	11.12
	-12.6	-13.0	73.6	10.89	67.9	11.14	62.6	11.30	57.3	11.38	52.0	11.51	46.8	11.67
	-9.0	-9.4	83.3	11.34	77.4	11.51	72.0	11.67	66.5	11.42	61.1	10.97	55.7	10.28
	-3.6	-4.0	89.6	11.55	83.7	10.73	78.1	10.20	72.6	9.83	67.1	9.50	61.6	9.02
	-1.8	-2.2	89.0	10.93	83.1	10.24	77.6	9.70	72.2	9.42	66.7	9.11	61.2	8.69
	1.9	1.4	89.8	10.20	83.8	9.58	78.3	9.17	72.8	8.89	67.2	8.64	61.7	8.28
	7.3	5.0	91.3	9.95	85.3	9.38	79.7	8.99	74.1	8.74	68.4	8.50	62.8	8.16
	10.8	8.6	88.5	9.58	82.6	9.07	77.2	8.71	71.7	8.48	66.3	8.26	60.8	7.96
	14.4	12.2	86.0	9.21	80.4	8.76	75.1	8.43	69.8	8.23	64.5	8.03	59.2	7.72
	14.9	14.0	84.9	8.93	79.3	8.50	74.1	8.21	68.9	8.02	63.6	7.85	58.4	7.26
	16.7	15.6	83.2	8.67	77.8	8.28	72.6	8.01	67.5	7.84	62.4	7.49	57.2	6.84
	19.4	18.3	80.6	8.53	75.3	8.16	70.3	7.90	65.3	7.68	60.4	7.23	55.4	6.63
	23.0	21.9	77.3	8.43	72.2	8.07	67.4	7.83	62.7	7.48	57.9	7.06	53.2	6.48
	26.6	25.3	74.4	8.28	69.5	7.94	64.9	7.59	60.3	7.18	55.8	6.78	51.2	6.24
	32.0	30.7	70.3	8.11	65.7	7.80	61.3	7.22	57.0	6.84	52.7	6.47	48.3	5.96
	37.4	36.0	66.7	7.95	62.3	7.44	58.2	6.87	54.1	6.52	50.0	6.18	45.9	5.70
	41.0	39.4	66.6	7.54	62.2	6.82	58.1	6.32	54.0	6.01	49.9	5.71	45.8	5.30
	47.0	43.0	66.6	6.84	62.2	6.22	58.1	5.78	54.0	5.52	49.9	5.26	45.8	4.90
	48.2	46.2	66.6	6.46	62.2	5.89	58.1	5.49	54.0	5.24	49.9	5.00	45.8	4.68
	51.8	49.6	66.6	6.19	62.2	5.66	58.1	5.28	54.0	5.05	49.9	4.83	45.8	4.52
	55.4	53.2	66.6	5.97	62.2	5.47	58.1	5.12	54.0	4.90	49.9	4.69	45.8	4.40
	59.0	56.7	66.6	5.81	62.2	5.33	58.1	5.00	54.0	4.80	49.9	4.60	45.8	4.32
	64.4	62.2	66.6	5.54	62.2	5.10	58.1	4.82	54.0	4.63	49.9	4.45	45.8	4.19
	68.0	65.3	66.6	5.40	62.2	4.98	58.1	4.71	54.0	4.53	49.9	4.36	45.8	4.11
	75.2	68.9	66.6	5.22	62.2	4.83	58.1	4.59	54.0	4.42	49.9	4.27	45.8	4.03

GMV-VQ120WM/C-W

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
135	-21.6	-22.0	71.1	9.67	70.6	9.86	70.1	10.53	69.6	10.82	69.1	11.39	68.6	11.93
	-17.1	-17.5	78.6	10.06	78.1	11.10	77.6	11.39	77.1	11.64	76.6	12.18	76.1	12.71
	-12.6	-13.0	92.5	10.11	92.0	11.76	91.4	12.01	90.9	12.22	90.4	12.76	89.9	13.25
	-9.0	-9.4	104.9	10.11	104.4	11.93	103.9	12.18	103.4	12.38	102.9	12.88	102.3	13.37
	-3.6	-4.0	111.6	10.11	111.1	12.18	110.6	12.43	110.1	12.59	109.6	13.09	109.0	13.58
	-1.8	-2.2	114.7	10.15	114.2	12.26	113.7	12.47	113.2	12.67	112.7	13.17	112.2	13.62
	1.9	1.4	118.1	10.15	117.6	12.38	117.2	12.59	116.7	12.78	116.2	13.27	115.7	13.73
	7.3	5.0	124.4	10.15	123.9	12.51	123.4	12.71	123.0	12.88	122.5	13.37	122.0	13.83
	10.8	8.6	128.1	10.15	127.6	12.63	127.1	12.84	126.6	13.00	126.2	13.46	125.7	13.91
	14.4	12.2	129.8	10.16	129.3	12.71	128.9	12.92	128.4	13.09	128.0	13.54	127.5	13.99
	14.9	14.0	132.6	10.16	132.1	12.76	131.7	12.96	131.2	13.13	130.8	13.58	130.3	14.04
	16.7	15.6	133.7	10.16	133.3	12.80	132.8	13.00	132.4	13.17	131.9	13.62	131.5	14.08
	19.4	18.3	136.5	10.16	136.1	12.88	135.6	13.09	135.2	13.21	134.8	13.66	134.3	14.04
	23.0	21.9	137.5	10.16	137.1	12.81	136.7	13.01	136.3	13.10	135.8	13.39	135.4	13.55
	26.6	25.3	137.4	10.17	137.0	12.75	136.6	12.94	136.2	13.00	135.8	13.12	135.4	13.08
	32.0	30.7	137.3	10.18	136.9	12.65	136.5	12.82	136.1	12.83	135.8	12.70	135.4	12.35
	37.4	36.0	142.0	10.19	141.7	12.55	141.3	12.71	140.9	12.67	140.6	12.30	140.2	11.64
	41.0	39.4	147.4	10.18	147.0	12.43	146.6	12.59	146.3	12.38	145.9	11.89	145.5	11.23
	47.0	43.0	152.7	10.22	152.3	12.10	152.0	12.22	151.6	12.34	151.2	11.56	150.9	10.98
	48.2	46.2	158.0	10.18	157.7	12.14	157.3	12.30	156.9	12.10	156.6	11.31	154.5	10.77
	51.8	49.6	163.4	10.18	163.0	12.18	162.6	12.34	162.3	11.89	161.9	11.15	154.5	10.61
	55.4	53.2	169.0	10.29	168.6	12.22	168.2	12.26	167.9	11.68	167.5	10.94	154.5	10.44
	59.0	56.7	174.3	10.50	173.9	12.26	173.6	12.05	173.2	11.48	168.4	10.82	154.5	10.32
	64.4	62.2	183.0	10.86	182.6	12.33	182.3	11.72	181.9	11.14	168.4	10.61	154.5	10.12
	68.0	65.3	187.8	11.06	187.4	12.36	187.1	11.53	182.3	10.95	168.4	10.50	154.5	10.01
	75.2	68.9	193.4	11.32	193.0	12.41	192.7	11.32	182.3	10.74	168.4	10.37	154.5	9.88
120	-21.6	-22.0	70.6	9.97	70.1	10.53	69.6	10.90	69.1	11.35	68.6	12.01	68.1	12.51
	-17.1	-17.5	78.1	10.07	77.6	11.43	77.1	11.72	76.6	12.14	76.1	12.76	75.7	13.25
	-12.6	-13.0	92.0	10.11	91.4	12.05	90.9	12.30	90.4	12.67	89.9	13.29	89.4	13.75
	-9.0	-9.4	104.4	10.15	103.9	12.22	103.4	12.43	102.9	12.84	102.3	13.42	101.8	13.87
	-3.6	-4.0	111.1	10.15	110.6	12.43	110.1	12.63	109.6	13.04	109.0	13.62	108.5	14.08
	-1.8	-2.2	114.2	10.15	113.7	12.51	113.2	12.71	112.7	13.09	112.2	13.66	111.7	14.12
	1.9	1.4	117.6	10.15	117.2	12.61	116.7	12.82	116.2	13.19	115.7	13.77	115.2	14.22
	7.3	5.0	123.9	10.16	123.4	12.71	123.0	12.92	122.5	13.29	122.0	13.87	121.5	14.32
	10.8	8.6	127.6	10.16	127.1	12.84	126.6	13.04	126.2	13.42	125.7	13.95	125.2	14.41
	14.4	12.2	129.3	10.16	128.9	12.92	128.4	13.13	128.0	13.50	127.5	14.04	127.1	14.04
	14.9	14.0	132.1	10.16	131.7	12.96	131.2	13.17	130.8	13.54	130.3	14.08	129.9	13.66
	16.7	15.6	133.3	10.16	132.8	13.00	132.4	13.21	131.9	13.58	131.5	14.12	131.0	13.46
	19.4	18.3	136.1	10.19	135.6	13.09	135.2	13.25	134.8	13.62	134.3	13.95	133.9	13.04
	23.0	21.9	137.1	10.22	136.7	13.01	136.3	13.14	135.8	13.38	135.4	13.46	135.0	12.62
	26.6	25.3	137.0	10.24	136.6	12.94	136.2	13.04	135.8	13.15	135.4	13.00	135.0	12.22
	32.0	30.7	136.9	10.28	136.5	12.82	136.1	12.87	135.8	12.78	135.4	12.27	135.0	11.59
	37.4	36.0	141.7	10.32	141.3	12.71	140.9	12.71	140.6	12.43	140.2	11.56	137.2	10.98
	41.0	39.4	147.0	10.46	146.6	12.59	146.3	12.43	145.9	11.97	145.5	11.19	137.2	10.65
	47.0	43.0	152.3	10.35	152.0	12.26	151.6	12.22	151.2	11.64	149.6	10.94	137.2	10.44
	48.2	46.2	157.7	10.64	157.3	12.30	156.9	11.93	156.6	11.39	149.6	10.69	137.2	10.14
	51.8	49.6	163.0	10.87	162.6	12.34	162.3	11.72	161.9	11.19	149.6	10.57	137.2	9.81
	55.4	53.2	168.6	10.99	168.2	12.26	167.9	11.52	162.0	11.02	149.6	10.40	137.2	9.51
	59.0	56.7	173.9	10.92	173.6	12.01	173.2	11.35	162.0	10.86	149.6	10.22	137.2	9.24
	64.4	62.2	190.6	10.81	182.3	11.61	174.3	11.08	162.0	10.59	149.6	9.92	137.2	8.79
	68.0	65.3	199.8	10.75	186.6	11.39	174.3	10.93	162.0	10.44	149.6	9.75	137.2	8.54
	75.2	68.9	199.8	10.67	186.6	11.13	174.3	10.76	162.0	10.27	149.6	9.56	137.2	8.25

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
110	-21.6	-22.0	69.6	9.80	69.1	10.94	68.6	11.52	68.6	11.97	68.1	12.63	67.6	13.13
	-17.1	-17.5	77.1	9.87	76.6	11.76	76.1	12.30	76.1	12.76	75.7	13.33	75.2	13.79
	-12.6	-13.0	90.9	9.89	90.4	12.30	89.9	12.84	89.9	13.25	89.4	13.83	88.9	14.28
	-9.0	-9.4	103.4	9.89	102.9	12.47	102.3	13.00	102.3	13.42	101.8	13.99	101.3	14.41
	-3.6	-4.0	110.1	9.90	109.6	12.67	109.0	13.21	109.0	13.58	108.5	14.16	108.0	14.57
	-1.8	-2.2	113.2	9.93	112.7	12.76	112.2	13.25	112.2	13.66	111.7	14.20	111.2	14.65
	1.9	1.4	116.7	9.94	116.2	12.86	115.7	13.35	115.7	13.77	115.2	14.30	114.7	14.41
	7.3	5.0	123.0	9.94	122.5	12.96	122.0	13.46	122.0	13.87	121.5	14.41	121.0	14.16
	10.8	8.6	126.6	9.94	126.2	13.04	125.7	13.54	125.7	13.95	125.2	14.49	124.7	13.54
	14.4	12.2	128.4	9.91	128.0	13.13	127.5	13.66	127.5	14.04	127.1	13.83	126.6	12.96
	14.9	14.0	131.2	9.92	130.8	13.17	130.3	13.70	130.3	14.08	129.9	13.50	129.4	12.67
	16.7	15.6	132.4	9.95	131.9	13.21	131.5	13.70	131.5	14.12	131.0	13.25	130.6	12.47
	19.4	18.3	135.2	9.95	134.8	13.29	134.3	13.79	134.3	13.99	133.9	12.88	133.5	12.14
	23.0	21.9	136.3	10.11	135.8	13.18	135.4	13.46	135.4	13.51	135.0	12.47	134.6	11.78
	26.6	25.3	136.2	10.27	135.8	13.08	135.4	13.15	135.4	13.04	135.0	12.09	134.6	11.45
	32.0	30.7	136.1	10.53	135.8	12.91	135.4	12.65	135.4	12.31	135.0	11.48	129.0	10.92
	37.4	36.0	140.9	10.81	140.6	12.76	140.2	12.18	140.2	11.60	137.2	10.90	125.8	10.40
	41.0	39.4	146.3	10.97	145.9	12.47	145.5	11.72	145.5	11.19	137.2	10.57	125.8	9.84
	47.0	43.0	151.6	10.95	151.2	12.14	150.9	11.43	148.5	10.94	137.2	10.36	125.8	9.37
	48.2	46.2	156.9	10.93	156.6	11.85	156.2	11.19	148.5	10.73	137.2	9.93	125.8	8.98
	51.8	49.6	164.0	10.90	161.9	11.64	159.8	11.02	148.5	10.57	137.2	9.61	125.8	8.72
	55.4	53.2	175.6	10.87	167.5	11.43	159.8	10.86	148.5	10.44	137.2	9.33	125.8	8.46
	59.0	56.7	183.2	10.88	171.1	11.27	159.8	10.69	148.5	10.22	137.2	9.05	125.8	8.23
	64.4	62.2	183.2	10.89	171.1	11.00	159.8	10.42	148.5	9.85	137.2	8.60	125.8	7.84
	68.0	65.3	183.2	10.90	171.1	10.85	159.8	10.27	148.5	9.65	137.2	8.36	125.8	7.63
	75.2	68.9	183.2	10.91	171.1	10.68	159.8	10.10	148.5	9.41	137.2	8.07	125.8	7.38
100	-21.6	-22.0	69.1	9.83	68.6	11.64	68.1	12.22	68.1	12.67	67.6	13.25	67.1	13.75
	-17.1	-17.5	76.6	9.89	76.1	12.43	75.7	12.96	75.7	13.37	75.2	13.95	74.7	14.37
	-12.6	-13.0	90.4	9.91	89.9	12.96	89.4	13.50	89.4	13.87	88.9	14.41	88.3	14.86
	-9.0	-9.4	102.9	9.94	102.3	13.13	101.8	13.62	101.8	14.04	101.3	14.53	100.8	14.94
	-3.6	-4.0	109.6	9.95	109.0	13.33	108.5	13.83	108.5	14.20	108.0	14.74	107.5	14.65
	-1.8	-2.2	112.7	9.95	112.2	13.37	111.7	13.87	111.7	14.24	111.2	14.78	110.7	14.28
	1.9	1.4	116.2	9.95	115.7	13.48	115.2	13.97	115.2	14.34	114.7	14.32	114.2	13.64
	7.3	5.0	122.5	9.96	122.0	13.58	121.5	14.08	121.5	14.45	121.0	13.87	120.5	13.00
	10.8	8.6	126.2	9.96	125.7	13.66	125.2	14.16	125.2	14.41	124.7	13.25	124.3	12.47
	14.4	12.2	128.0	9.96	127.5	13.75	127.1	14.24	127.1	13.75	126.6	12.71	126.1	12.01
	14.9	14.0	130.8	9.99	130.3	13.79	129.9	14.24	129.9	13.42	129.4	12.43	129.0	11.76
	16.7	15.6	131.9	10.23	131.5	13.83	131.0	13.95	131.0	13.21	130.6	12.26	130.1	11.60
	19.4	18.3	134.8	10.60	134.3	13.91	133.9	13.54	133.9	12.84	133.5	11.93	133.0	11.31
	23.0	21.9	135.8	10.67	135.4	13.52	135.0	13.08	135.0	12.43	134.6	11.59	131.1	11.02
	26.6	25.3	135.8	10.73	135.4	13.16	135.0	12.65	135.0	12.05	134.6	11.27	125.4	10.74
	32.0	30.7	135.8	10.84	135.4	12.57	135.0	11.97	135.0	11.44	127.9	10.77	117.4	10.28
	37.4	36.0	140.6	10.96	140.2	12.01	139.8	11.31	135.0	10.86	124.7	10.22	114.5	9.24
	41.0	39.4	145.9	10.90	145.5	11.56	145.2	10.94	135.0	10.53	124.7	9.53	114.5	8.65
	47.0	43.0	156.7	10.88	150.9	11.27	145.3	10.69	135.0	10.32	124.7	9.08	114.5	8.26
	48.2	46.2	166.5	10.85	155.5	11.02	145.3	10.49	135.0	9.85	124.7	8.72	114.5	7.94
	51.8	49.6	166.5	10.81	155.5	10.86	145.3	10.36	135.0	9.53	124.7	8.46	114.5	7.71
	55.4	53.2	166.5	10.97	155.5	10.73	145.3	10.10	135.0	9.25	124.7	8.22	114.5	7.51
	59.0	56.7	166.5	11.14	155.5	10.57	145.3	9.79	135.0	8.98	124.7	8.00	114.5	7.33
	64.4	62.2	166.5	11.44	155.5	10.30	145.3	9.29	135.0	8.55	124.7	7.65	114.5	7.03
	68.0	65.3	166.5	11.62	155.5	10.15	145.3	9.01	135.0	8.31	124.7	7.46	114.5	6.86
	75.2	68.9	166.5	11.85	155.5	9.98	145.3	8.69	135.0	8.03	124.7	7.23	114.5	6.67

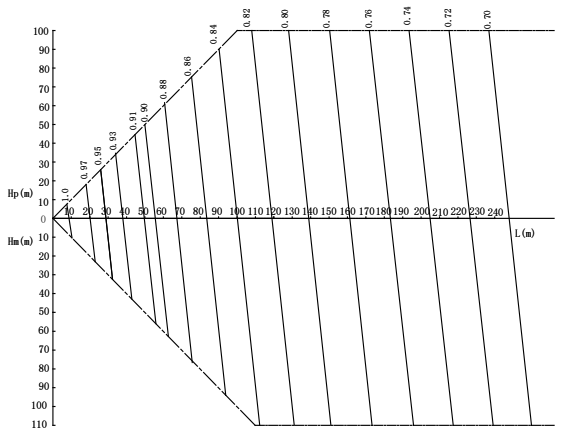
TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
90	-21.6	-22.0	68.6	9.89	68.1	12.43	67.6	12.96	67.6	13.37	67.1	13.95	66.6	14.37
	-17.1	-17.5	76.2	9.95	75.7	13.17	75.2	13.66	75.2	14.04	74.7	14.57	74.2	14.98
	-12.6	-13.0	89.9	9.96	89.4	13.66	88.9	14.16	88.9	14.53	88.3	15.03	87.8	15.23
	-9.0	-9.4	102.3	9.96	101.8	13.79	101.3	14.28	101.3	14.65	100.8	15.15	100.3	14.37
	-3.6	-4.0	109.0	10.02	108.5	13.99	108.0	14.41	108.0	14.82	107.5	14.20	107.0	13.29
	-1.8	-2.2	112.2	10.03	111.7	14.04	111.2	14.45	111.2	14.86	110.7	13.83	110.1	13.00
	1.9	1.4	115.7	10.08	115.2	14.14	114.7	14.47	114.7	14.26	114.2	13.23	113.7	12.47
	7.3	5.0	122.0	10.14	121.5	14.24	121.0	14.49	121.0	13.66	120.5	12.63	120.0	11.93
	10.8	8.6	125.7	10.69	125.2	14.32	124.7	13.83	124.7	13.09	124.3	12.14	123.8	11.52
	14.4	12.2	127.5	11.06	127.1	14.20	126.6	13.25	126.6	12.55	126.1	11.72	125.7	11.15
	14.9	14.0	130.3	11.08	129.9	13.87	129.4	12.92	129.4	12.30	129.0	11.48	126.8	10.94
	16.7	15.6	131.5	11.06	131.0	13.62	130.6	12.71	130.6	12.10	130.1	11.35	124.9	10.82
	19.4	18.3	134.3	11.01	133.9	13.21	133.5	12.38	133.5	11.81	133.0	11.10	122.8	10.61
	23.0	21.9	135.4	10.98	135.0	12.78	134.6	12.01	134.6	11.47	128.5	10.82	118.0	10.36
	26.6	25.3	135.4	10.95	135.0	12.37	134.6	11.66	133.1	11.16	123.0	10.56	112.9	9.86
	32.0	30.7	136.0	10.90	135.0	11.73	134.0	11.11	124.6	10.66	115.1	9.86	105.6	8.95
	37.4	36.0	149.5	10.84	139.8	11.10	130.7	10.57	121.5	9.98	112.3	8.85	103.0	8.07
	41.0	39.4	149.9	10.93	140.0	10.77	130.7	10.18	121.5	9.33	112.3	8.30	103.0	7.58
	47.0	43.0	149.9	11.23	140.0	10.53	130.7	9.68	121.5	8.89	112.3	7.92	103.0	7.25
	48.2	46.2	149.9	11.49	140.0	10.32	130.7	9.27	121.5	8.53	112.3	7.62	103.0	7.00
	51.8	49.6	149.9	11.48	140.0	10.00	130.7	8.99	121.5	8.29	112.3	7.42	103.0	6.83
	55.4	53.2	149.9	11.47	140.0	9.70	130.7	8.73	121.5	8.05	112.3	7.23	103.0	6.66
	59.0	56.7	149.9	11.45	140.0	9.41	130.7	8.48	121.5	7.84	112.3	7.05	103.0	6.52
	64.4	62.2	149.9	11.42	140.0	8.94	130.7	8.08	121.5	7.49	112.3	6.75	103.0	6.29
	68.0	65.3	149.9	11.41	140.0	8.69	130.7	7.86	121.5	7.29	112.3	6.59	103.0	6.16
	75.2	68.9	149.9	11.38	140.0	8.39	130.7	7.60	121.5	7.07	112.3	6.39	103.0	6.01
80	-21.6	-22.0	68.1	9.95	67.6	13.21	67.1	13.70	67.1	14.12	66.6	14.57	66.1	14.86
	-17.1	-17.5	75.7	9.99	75.2	13.91	74.7	14.37	74.7	14.74	74.2	15.15	73.7	15.40
	-12.6	-13.0	89.4	10.03	88.9	14.41	88.3	14.82	88.3	15.19	87.8	14.57	87.3	13.62
	-9.0	-9.4	101.8	10.03	101.3	14.53	100.8	14.94	100.8	14.98	100.3	13.79	99.7	12.92
	-3.6	-4.0	108.5	10.35	108.0	14.70	107.5	14.65	107.5	13.83	107.0	12.80	106.5	12.10
	-1.8	-2.2	111.7	10.65	111.2	14.74	110.7	14.28	110.7	13.50	110.1	12.51	109.6	11.85
	1.9	1.4	115.2	10.84	114.7	14.32	114.2	13.64	114.2	12.92	113.7	12.03	113.2	11.43
	7.3	5.0	121.5	11.04	121.0	13.91	120.5	13.00	120.5	12.34	120.0	11.56	119.6	11.02
	10.8	8.6	125.2	11.04	124.7	13.33	124.3	12.47	124.3	11.89	123.8	11.19	118.1	10.69
	14.4	12.2	127.1	10.99	126.6	12.80	126.1	12.01	126.1	11.48	123.4	10.82	113.2	10.40
	14.9	14.0	129.9	10.97	129.4	12.51	129.0	11.76	129.0	11.27	122.8	10.65	112.7	10.11
	16.7	15.6	131.0	10.94	130.6	12.30	130.1	11.60	130.1	11.10	121.0	10.53	111.0	9.83
	19.4	18.3	133.9	10.92	133.5	12.01	133.0	11.35	128.8	10.90	119.0	10.32	109.2	9.40
	23.0	21.9	136.1	10.89	134.6	11.67	133.0	11.05	123.6	10.63	114.3	9.77	104.9	8.92
	26.6	25.3	142.3	10.86	134.6	11.34	127.3	10.77	118.3	10.38	109.3	9.25	100.3	8.46
	32.0	30.7	136.6	10.82	127.6	10.82	119.1	10.32	110.7	9.48	102.3	8.44	93.9	7.74
	37.4	36.0	133.2	11.50	124.4	10.32	116.2	9.26	108.0	8.53	99.8	7.64	91.6	7.04
	41.0	39.4	133.2	11.45	124.4	9.61	116.2	8.66	108.0	8.00	99.8	7.19	91.6	6.65
	47.0	43.0	133.2	11.43	124.4	9.16	116.2	8.27	108.0	7.64	99.8	6.90	91.6	6.38
	48.2	46.2	133.2	11.39	124.4	8.78	116.2	7.95	108.0	7.37	99.8	6.66	91.6	6.18
	51.8	49.6	133.2	11.38	124.4	8.52	116.2	7.72	108.0	7.17	99.8	6.51	91.6	6.05
	55.4	53.2	133.2	11.36	124.4	8.28	116.2	7.52	108.0	7.00	99.8	6.36	91.6	5.93
	59.0	56.7	133.2	11.34	124.4	8.05	116.2	7.33	108.0	6.84	99.8	6.22	91.6	5.80
	64.4	62.2	133.2	11.31	124.4	7.68	116.2	7.01	108.0	6.57	99.8	6.01	91.6	5.60
	68.0	65.3	133.2	11.30	124.4	7.48	116.2	6.84	108.0	6.42	99.8	5.89	91.6	5.49
	75.2	68.9	133.2	11.28	124.4	7.25	116.2	6.63	108.0	6.25	99.8	5.75	91.6	5.36

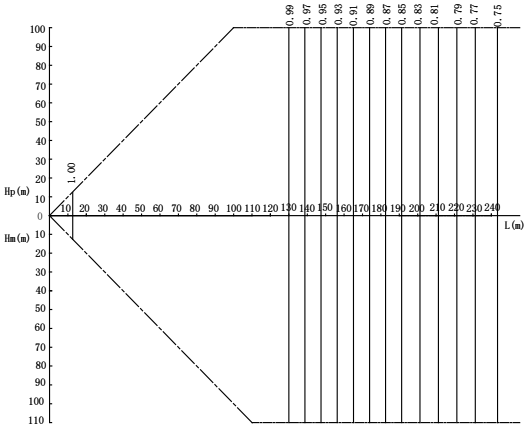
TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
70	-21.6	-22.0	67.6	10.03	67.1	14.08	66.6	14.49	66.1	14.74	66.1	15.11	65.6	15.36
	-17.1	-17.5	75.2	10.07	74.7	14.70	74.2	15.07	73.7	15.31	73.7	15.19	73.3	14.16
	-12.6	-13.0	88.9	10.55	88.3	15.15	87.8	14.82	87.3	13.95	87.3	12.92	86.8	12.22
	-9.0	-9.4	101.3	11.11	100.8	15.07	100.3	13.99	99.7	13.25	99.7	12.30	99.2	11.68
	-3.6	-4.0	108.0	11.04	107.5	13.91	107.0	13.00	106.5	12.34	106.5	11.56	106.0	11.02
	-1.8	-2.2	111.2	11.02	110.7	13.58	110.1	12.71	109.6	12.10	109.6	11.35	109.1	10.86
	1.9	1.4	114.7	10.98	114.2	13.00	113.7	12.22	113.2	11.66	113.2	10.98	107.4	10.54
	7.3	5.0	121.0	10.94	120.5	12.43	120.0	11.72	119.6	11.23	115.9	10.61	106.4	10.06
	10.8	8.6	124.7	10.88	124.3	11.93	123.8	11.31	121.8	10.86	112.6	10.32	103.3	9.42
	14.4	12.2	126.6	10.87	126.1	11.52	125.7	10.94	116.8	10.57	108.0	9.69	99.1	8.86
	14.9	14.0	132.9	10.83	129.0	11.31	125.1	10.77	116.3	10.40	107.4	9.34	98.6	8.55
	16.7	15.6	137.4	10.80	130.1	11.15	123.3	10.65	114.6	10.21	105.9	9.10	97.2	8.35
	19.4	18.3	139.0	10.81	129.8	10.94	121.2	10.44	112.7	9.75	104.1	8.72	95.5	8.01
	23.0	21.9	133.4	10.96	124.6	10.67	116.4	10.05	108.2	9.24	100.0	8.28	91.7	7.63
	26.6	25.3	127.7	11.31	119.2	10.42	111.4	9.50	103.5	8.76	95.6	7.87	87.8	7.27
	32.0	30.7	119.5	11.41	111.6	9.56	104.3	8.64	96.9	8.00	89.5	7.23	82.2	6.70
	37.4	36.0	116.6	11.36	108.9	8.59	101.7	7.81	94.5	7.26	87.3	6.60	80.1	6.15
	41.0	39.4	116.6	11.32	108.9	8.06	101.7	7.35	94.5	6.86	87.3	6.25	80.1	5.83
	47.0	43.0	116.6	11.31	108.9	7.70	101.7	7.03	94.5	6.57	87.3	6.01	80.1	5.62
	48.2	46.2	116.6	11.27	108.9	7.42	101.7	6.79	94.5	6.37	87.3	5.83	80.1	5.48
	51.8	49.6	116.6	11.24	108.9	7.22	101.7	6.63	94.5	6.22	87.3	5.72	80.1	5.37
	55.4	53.2	116.6	11.22	108.9	7.04	101.7	6.48	94.5	6.09	87.3	5.61	80.1	5.28
	59.0	56.7	116.6	11.20	108.9	6.88	101.7	6.34	94.5	5.96	87.3	5.51	80.1	5.20
	64.4	62.2	116.6	11.18	108.9	6.61	101.7	6.10	94.5	5.74	87.3	5.34	80.1	5.07
	68.0	65.3	116.6	11.17	108.9	6.46	101.7	5.97	94.5	5.62	87.3	5.25	80.1	4.99
	75.2	68.9	116.6	11.15	108.9	6.29	101.7	5.82	94.5	5.48	87.3	5.14	80.1	4.91
60	-21.6	-22.0	66.1	10.01	66.1	13.24	66.1	13.66	65.6	13.90	64.5	14.27	56.0	14.52
	-17.1	-17.5	73.7	10.03	73.7	14.08	73.7	14.49	73.3	14.74	72.2	15.11	64.2	15.36
	-12.6	-13.0	87.3	10.07	87.3	14.70	87.3	15.07	86.8	15.31	85.7	15.19	77.0	14.16
	-9.0	-9.4	99.7	10.55	99.7	15.15	99.7	14.82	99.2	13.95	98.1	12.92	89.4	12.22
	-3.6	-4.0	106.5	11.11	106.5	15.07	106.5	13.99	106.0	13.25	104.8	12.30	96.2	11.68
	-1.8	-2.2	109.6	11.04	109.6	13.91	109.6	13.00	109.1	12.34	104.1	11.56	95.5	11.02
	1.9	1.4	113.2	11.02	113.2	13.58	113.2	12.71	108.6	12.10	100.4	11.35	92.1	10.86
	7.3	5.0	123.5	10.98	119.6	13.00	115.7	12.22	107.5	11.66	99.4	10.98	91.2	10.54
	10.8	8.6	128.8	10.94	120.3	12.43	112.3	11.72	104.4	11.23	96.5	10.61	88.5	10.06
	14.4	12.2	123.5	10.88	115.4	11.93	107.8	11.31	100.2	10.86	92.5	10.32	84.9	9.42
	14.9	14.0	122.9	10.87	114.8	11.52	107.2	10.94	99.6	10.57	92.1	9.69	84.5	8.86
	16.7	15.6	121.1	10.83	113.1	11.31	105.7	10.77	98.2	10.40	90.7	9.34	83.3	8.55
	19.4	18.3	119.1	10.80	111.3	11.15	103.9	10.65	96.6	10.21	89.2	9.10	81.9	8.35
	23.0	21.9	114.4	10.81	106.8	10.94	99.8	10.44	92.7	9.75	85.7	8.72	78.6	8.01
	26.6	25.3	109.4	10.96	102.2	10.67	95.5	10.05	88.7	9.24	82.0	8.28	75.2	7.63
	32.0	30.7	102.4	11.31	95.7	10.42	89.4	9.50	83.0	8.76	76.7	7.87	70.4	7.27
	37.4	36.0	99.9	11.41	93.3	9.56	87.2	8.64	81.0	8.00	74.8	7.23	68.7	6.70
	41.0	39.4	99.9	11.36	93.3	8.59	87.2	7.81	81.0	7.26	74.8	6.60	68.7	6.15
	47.0	43.0	99.9	11.32	93.3	8.06	87.2	7.35	81.0	6.86	74.8	6.25	68.7	5.83
	48.2	46.2	99.9	11.31	93.3	7.70	87.2	7.03	81.0	6.57	74.8	6.01	68.7	5.62
	51.8	49.6	99.9	11.27	93.3	7.42	87.2	6.79	81.0	6.37	74.8	5.83	68.7	5.48
	55.4	53.2	99.9	11.24	93.3	7.22	87.2	6.63	81.0	6.22	74.8	5.72	68.7	5.37
	59.0	56.7	99.9	11.22	93.3	7.04	87.2	6.48	81.0	6.09	74.8	5.61	68.7	5.28
	64.4	62.2	99.9	11.17	93.3	6.74	87.2	6.23	81.0	5.87	74.8	5.43	68.7	5.13
	68.0	65.3	99.9	11.14	93.3	6.58	87.2	6.09	81.0	5.75	74.8	5.33	68.7	5.05
	75.2	68.9	99.9	11.11	93.3	6.38	87.2	5.93	81.0	5.61	74.8	5.21	68.7	4.95

TC—Total capacity of outdoor unit; PI—Power input of outdoor unit														
Combination	Outdoor air temp.		Indoor air temp. °FDB											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	°FWB	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW	kBtu	kW
50	-21.6	-22.0	70.0	9.98	65.6	11.99	61.4	12.40	54.3	12.65	47.3	13.02	40.2	13.27
	-17.1	-17.5	77.4	10.01	73.3	13.24	69.3	13.66	62.6	13.90	55.9	14.27	49.2	14.52
	-12.6	-13.0	91.2	10.03	86.8	14.08	82.5	14.49	75.3	14.74	68.1	15.11	60.9	15.36
	-9.0	-9.4	103.7	10.07	99.2	14.70	94.9	15.07	87.7	15.31	80.4	15.19	73.1	14.16
	-3.6	-4.0	110.4	10.55	106.0	15.15	101.7	14.82	94.6	13.95	87.4	12.92	80.2	12.22
	-1.8	-2.2	115.8	11.11	108.2	15.07	101.0	13.99	93.9	13.25	86.8	12.30	79.6	11.68
	1.9	1.4	111.6	11.04	104.3	13.91	97.4	13.00	90.5	12.34	83.6	11.56	76.7	11.02
	7.3	5.0	110.5	11.02	103.2	13.58	96.4	12.71	89.6	12.10	82.8	11.35	76.0	10.86
	10.8	8.6	107.3	10.98	100.2	13.00	93.6	12.22	87.0	11.66	80.4	10.98	73.8	10.54
	14.4	12.2	102.9	10.94	96.1	12.43	89.8	11.72	83.5	11.23	77.1	10.61	70.8	10.06
	14.9	14.0	102.4	10.88	95.7	11.93	89.3	11.31	83.0	10.86	76.7	10.32	70.4	9.42
	16.7	15.6	100.9	10.87	94.3	11.52	88.1	10.94	81.8	10.57	75.6	9.69	69.4	8.86
	19.4	18.3	99.3	10.83	92.7	11.31	86.6	10.77	80.5	10.40	74.4	9.34	68.2	8.55
	23.0	21.9	95.3	10.80	89.0	11.15	83.2	10.65	77.3	10.21	71.4	9.10	65.5	8.35
	26.6	25.3	91.2	10.81	85.2	10.94	79.6	10.44	73.9	9.75	68.3	8.72	62.7	8.01
	32.0	30.7	85.4	10.96	79.7	10.67	74.5	10.05	69.2	9.24	63.9	8.28	58.7	7.63
	37.4	36.0	83.3	11.31	77.8	10.42	72.6	9.50	67.5	8.76	62.4	7.87	57.2	7.27
	41.0	39.4	83.3	11.41	77.8	9.56	72.6	8.64	67.5	8.00	62.4	7.23	57.2	6.70
	47.0	43.0	83.3	11.36	77.8	8.59	72.6	7.81	67.5	7.26	62.4	6.60	57.2	6.15
	48.2	46.2	83.3	11.32	77.8	8.06	72.6	7.35	67.5	6.86	62.4	6.25	57.2	5.83
	51.8	49.6	83.3	11.31	77.8	7.70	72.6	7.03	67.5	6.57	62.4	6.01	57.2	5.62
	55.4	53.2	83.3	11.27	77.8	7.42	72.6	6.79	67.5	6.37	62.4	5.83	57.2	5.48
	59.0	56.7	83.3	11.24	77.8	7.22	72.6	6.63	67.5	6.22	62.4	5.72	57.2	5.37
	64.4	62.2	83.3	11.20	77.8	6.91	72.6	6.36	67.5	5.99	62.4	5.54	57.2	5.21
	68.0	65.3	83.3	11.18	77.8	6.73	72.6	6.22	67.5	5.86	62.4	5.44	57.2	5.12
	75.2	68.9	83.3	11.14	77.8	6.53	72.6	6.05	67.5	5.71	62.4	5.32	57.2	5.01

3 Capacity Correction According to Piping Length and Height Difference

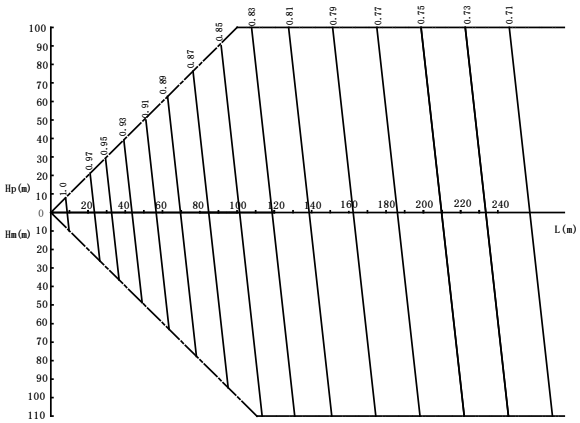
6Ton

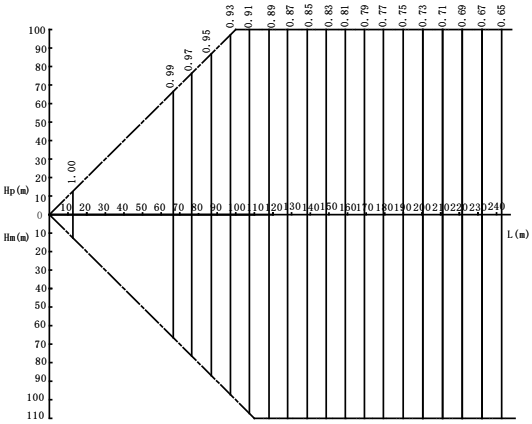




Unit with nominal capacity	High pressure gas pipe(mm/inch)	Low pressure gas pipe(mm/inch)	Liquid pipe(mm/inch)
6Ton	Φ15.9(5/8)	Φ19.05(3/4)	Φ9.52(3/8)

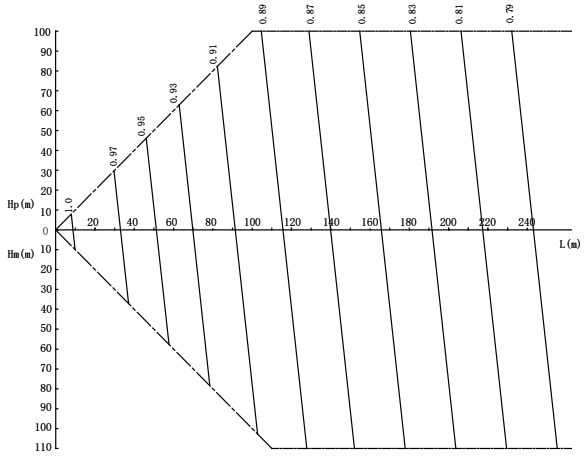
8Ton

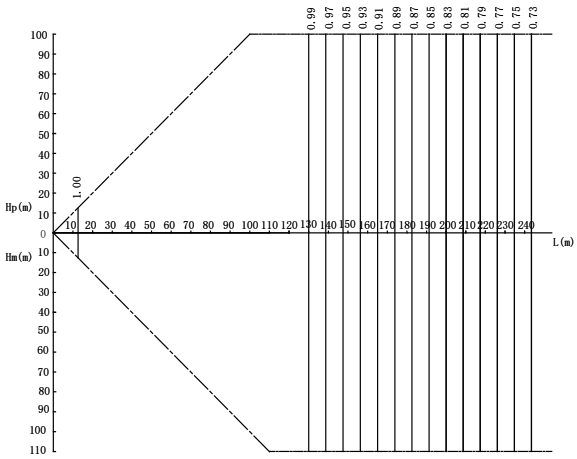




Unit with nominal capacity	High pressure gas pipe(mm/inch)	Low pressure gas pipe(mm/inch)	Liquid pipe(mm/inch)
8Ton	Φ19.05(3/4)	Φ22.2(7/8)	Φ9.52(3/8)

10Ton





Unit with nominal capacity	High pressure gas pipe(mm/inch)	Low pressure gas pipe(mm/inch)	Liquid pipe(mm/inch)
10Ton	Φ22.2(7/8)	Φ28.6(1-1/8)	Φ12.7(1/2)

Note:

H_p: Level difference when outdoor unit at upper

Hm: Level difference when outdoor unit at lower

L: The length between ODU and the farthest IDU

4 Capacity Correction Factor According to Defrosting

When outdoor environment has satisfied certain condition (temperature and humidity), frosting and defrosting might occur, at this time, heating capacity of the unit will be attenuated, therefore, when calculating heating load model selection, please add defrosting rectification factor.

Defrosting connection factor is as follow:

Outdoor heat exchanger air inlet dry bulb temperature (℃/RH85%)	-11	-9	-7	-5	-3	0	3	5	7
Defrosting capacity connection correction factor	1	0.98	0.96	0.94	0.88	0.8	0.84	0.9	1

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