

DC INVERTER MULTI VRF

(GC201104)

TER CONDITIONERS GREE MAKING BETTER CONDITIONERS GREE MAKING BETTER CONDITIONERS GREE MAKING BETTER COND

TECHNICAL SALES GUIDE-50Hz
CAPACITY RANGE:10~180kW
SUPER HIGH AMBIENT OPERATION TO 48 °C



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R410A



GREE ELECTRIC APPLIANCES INC.OF ZHUHAI

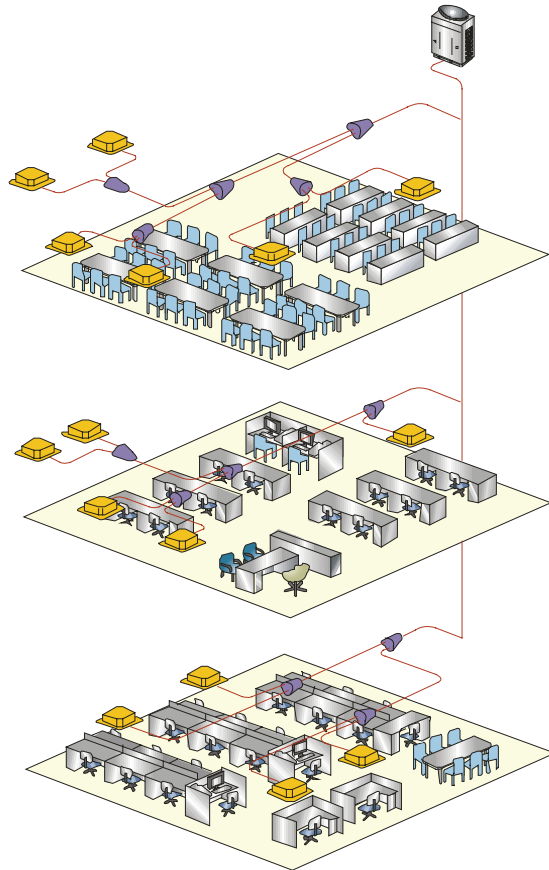
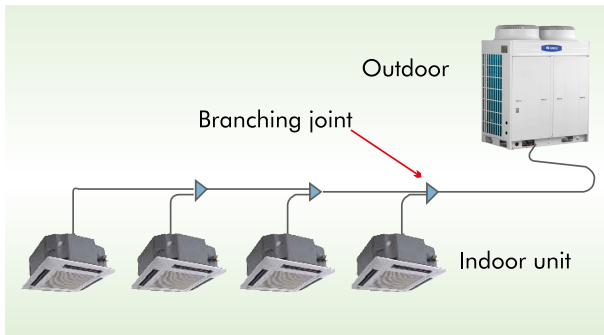
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1 OUTLINE OF MULTI VRF

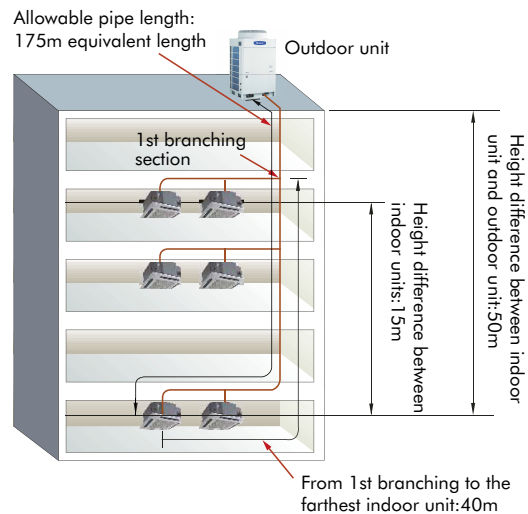
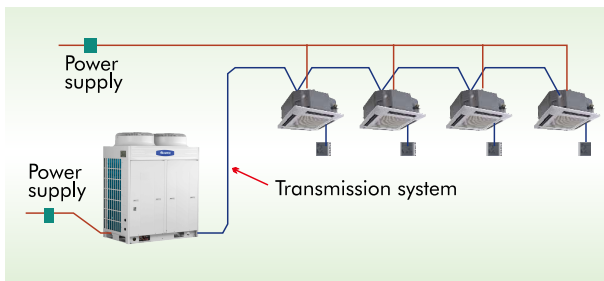
➔ Shortest Route Design by Free Branching

Combination of line and branching is highly flexible. This follows for the shortest design route possible, thereby saving on installation time and cost.



➔ Simple Wiring

2-wire multiplex transmission system makes it possible to connect multiple indoor units to one outdoor unit with a 2-core wire, thus simplify the wiring operation.



➔ High Lift Design

Equivalent pipe length of 175m and vertical lift of 50m is made possible with GREE GMV. Vertical lift between indoor units of 15m is the highest in the industry. This allows for greater flexibility in the location of the system.

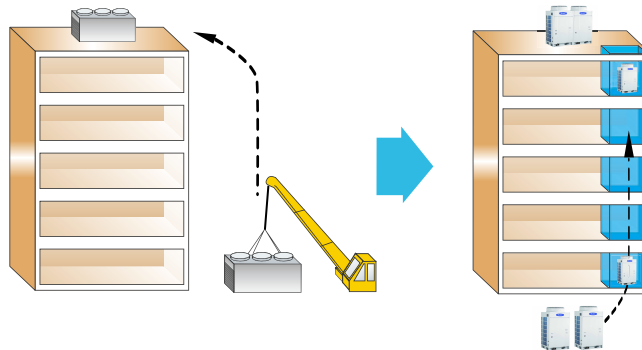
➔ Higher Static Pressure of the Outdoor Unit

With the high external static pressure, the outdoor unit can be installed in the equipments room of high buildings and deliver the circulating air to the outer atmosphere through the air duct, which not only can ensure the running efficiency of the unit but also make no unpleasant effect to the appearance of the whole building.



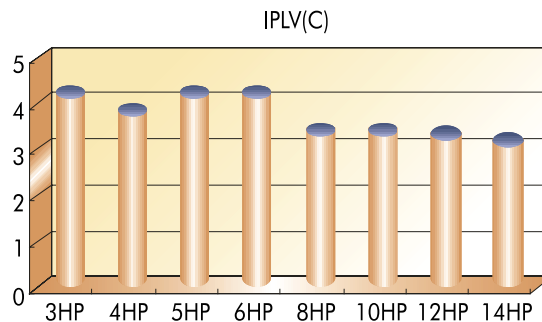
➔ Compact Design and Convenient Installation

Thanks to the compact body with the width of only 770mm, this unit can be moved conveniently inside the building through an elevator and needs not be installed in the machine room. Additionally, with the simple pipeline design and layout, the unit can be easily installed in a short time period, reducing the installation cost dramatically.



➔ Energy Saving

Because each room is controlled individually, only those rooms requiring air conditioning are cooled or heated. In addition, thanks to inverter technology, the level of air conditioning can be precisely controlled depending on the condition of each room. High IPLV is achieved by employing advanced technology, contributing to smooth and economical operation. The largest IPLV value can reach 4.4w/w. Compared with the conventional chiller fan coil system, a large energy saving can be realized.



➔ Larger capacity

Pdm series is modular design that maximum 4 basic modules can be freely combined together to achieve max capacity of 180kW with advanced controlling, the outdoor modules have no differences that no need to appoint master or slave units.

➔ DC inverter fan

Thanks to high-efficiency DC inverter fan motor, the outdoor units are high efficient and its noise is low; the ESP (external static pressure) is up to 50Pa, that ducting installation for hot air exhaust can be satisfied in the device floor.

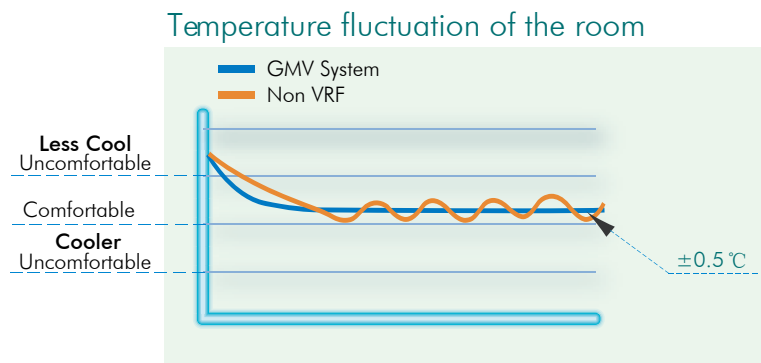
(Note: Only specified models equip with DC inverter fan motor, others is AC inverter motor, for more details please contact with GREE sales).

➔ Intelligent Control

The EXV (Electronic Expansion Valve) of each indoor unit respond to the loading changes of indoor environment, and continually adjusts the flow rate of the refrigerant.

Meanwhile, the outdoor unit with the DC inverter compressor provides the capacity with certain amount of refrigerant exactly according to the total demands of indoor units.

With this Variable Refrigerant FLOW (VRF) technology, we can quickly get a nearly constant room temperature without the typical temperature fluctuation that occurs with a convenient ON/OFF control system.



➔ Self Diagnostics System

Comprehensive troubleshooting code allows for finely identification of problems arising. Self diagnostics examples

Error code	Malfunction
E1	High pressure protection of compressor
E2	Indoor anti-frozen protection
E3	Low pressure protection of compressor
E4	Discharge temp.protection of compressor
E5	Compressor overload protection
E6	Communication error
E7	Modes conflict



Wide Control Application

◆ **Wired and Wireless Controller**

The wired and wireless controllers are capable of controlling each status of the unit so as to provide various humanized functions and easy and convenient control.

◆ **Centralized Controller**

The centralized controller is capable of viewing and monitoring the running parameters and controlling up to 1024 indoor units in the single, grouping or centralized way so as to manage the whole air conditioning system conveniently.

◆ **Smart Zone Controller**

The smart zone controller is capable of controlling directly up to 16 sets of indoor units (matched with no more than 3 sets of outdoor units) via the single, grouping or centralized control way, so as to managing the air conditioning system conveniently.

◆ **Regional Controller**

The regional controller is capable of controlling completely one set of multi VRF system, viewing the running status of each individual unit, and also managing several units at the same time according to the actual needs.




◆ **Monitoring Software**

The software is capable of detecting the running of the unit by processing the data from the local port or the network (either internet or local area network) so as to guarantee the high-efficient and safe running of the unit.

2 SUMMARY OF SYSTEM EQUIPMENTS

➔ 2.1 Outdoor Unit

2.1.1 Single-Module Units List

Model	Cooling Capacity	Heating Capacity	Power supply	Appearance
	kW	kW		
GMV-Pd100W/NaB-K	10.0	11.0	220V-240V, 1Ph~50Hz	
GMV-Pd120W/NaB-K	12.0	14.0		
GMV-Pd140W/NaB-K	14.0	15.4		
GMV-Pd160W/NaB-K	16.0	17.6		
GMV-Pdm224W/NaB-M	22.4	25.0	380V-415V, 3Ph~50Hz	
GMV-Pdm280W/NaB-M	28.0	31.5		
GMV-Pdm335W/NaB-M	33.5	37.5		
GMV-Pdm400W/NaB-M	40.0	45.0		
GMV-Pdm450W/NaB-M	45.0	50.0		

2.1.1 Multi-Module Units List

Appearance	Model	GMV-Pdm***W/NaB-M						
		224	280	335	400	450		
	GMV-Pdm***W2/NaB-M	504						
		560						
		615						
		670						
		730						
		785						
		850						
		900						
		GMV-Pdm***W3/NaB-M	950					
			1008					
	1065							
	1130							
	1180							
	1235							
	1300							
	1350							

Appearance	Model	GMV-Pdm***W/NaB-M				
		224	280	335	400	450
	1405					
	1456					
	1512					
	1570					
	1650					
	1700					
	1750					
	1800					

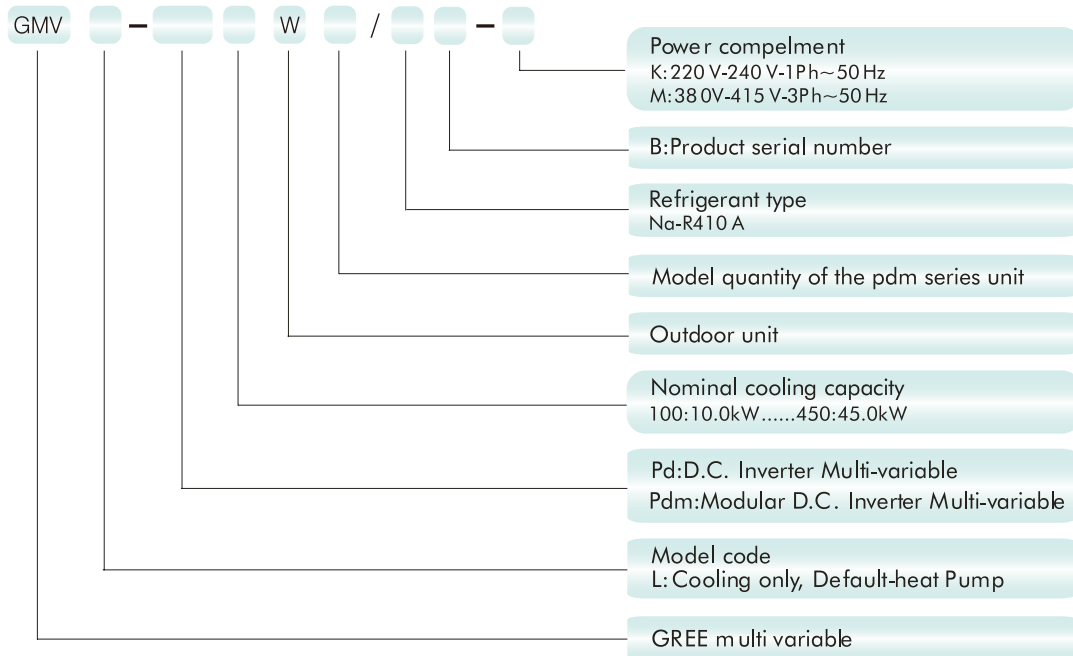
NOTE:

“” represents one module and “... (1...N)” represents N modules.
 “**” indicates the rated cooling capacity.

CAUTIONS

It is not recommended to adopt the combination mode not specified by this manual.

2.1.1 Nomenclature



Example:

GMV-Pd120W/NaB-K:D.C.Inverter Multi-variable outdoor unit of GREE, with single compressor and the nominal cooling capacity is 12kW. The power supply is 220V-240V-1Ph~50Hz.
 GMV-Pdm1700W4/NaB-M:D.C.Inverter Multi-variable outdoor unit of GREE, with 4 outdoor units and the nominal cooling capacity is 170kW. The power supply is 380V-415V-3Ph~50Hz.

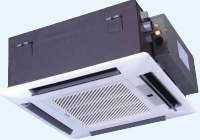


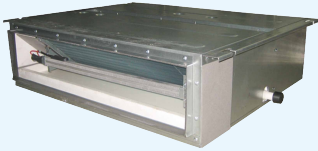

2.1.2 Rated Conditions

- Cooling:** Indoor air temperature 27°C (80.6 °F)DB/19 °C (66.2 °F)WB
 Outdoor air temperature 35 °C (95 °F)DB/24 °C (75.2 °F)WB
- Heating:** Indoor air temperature 20 °C (68 °F)DB/15 °C (59 °F)WB
 Outdoor air temperature 7 °C (44.6 °F)DB/6 °C (42.8 °F)WB

➔ 2.2 Branching Joints

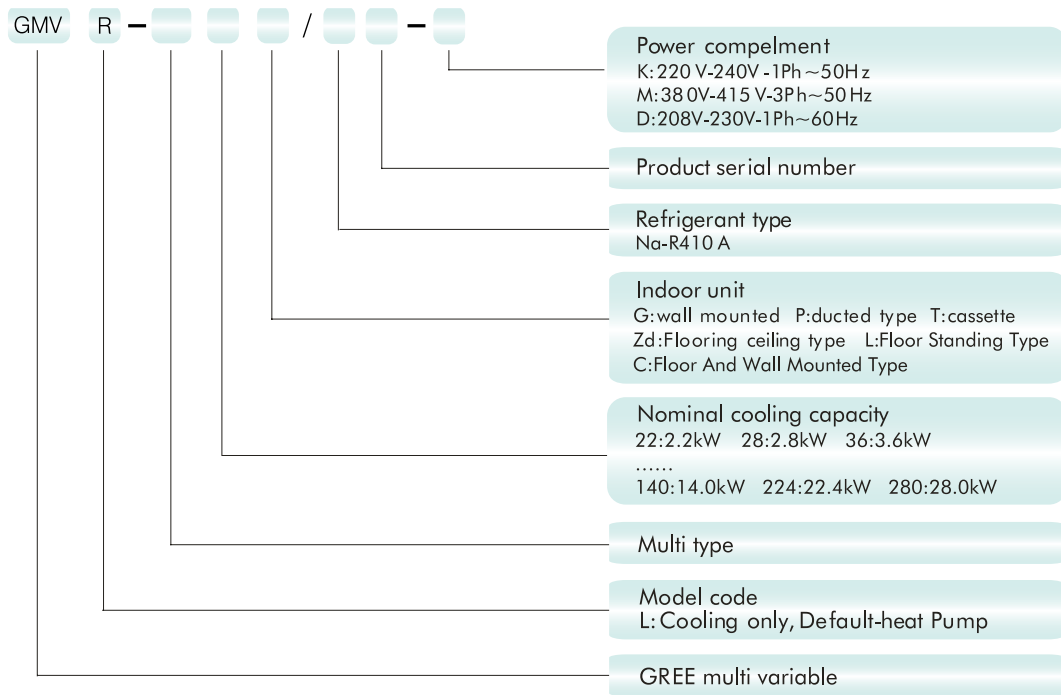
	Model name	Indoor unit capacity code total X	Appearance
Y-Type branching joint	FQ01A/A	$X \leq 200$	
	FQ01B/A	$200 < X \leq 300$	
	FQ02/A	$300 < X \leq 700$	
	FQ03/A	$700 < X \leq 1350$	
	FQ04/A	$1350 < X$	

➔ 2.3 Indoor Unit

Type	Model Name	Capacity Code	Cooling Capacity(kW)	Heating Capacity(kW)	
4-way Air Discharge Cassette Type		GMV-R22T/NaA-K	22	2.2	2.5
		GMV-R28T/NaA-K	28	2.8	3.2
		GMV-R36T/NaA-K	36	3.6	4.0
		GMV-R45T/NaA-K	45	4.5	5.0
		GMV-R28T/Na-K	28	2.8	3.2
		GMV-R36T/Na-K	36	3.6	4.0
		GMV-R45T/Na-K	45	4.5	5.0
		GMV-R50T/Na-K	50	5.0	5.8
		GMV-R56T/Na-K	56	5.6	6.3
		GMV-R63T/Na-K	63	6.3	7.0
		GMV-R71T/Na-K	71	7.1	8.0
		GMV-R80T/Na-K	80	8.0	8.8
		GMV-R90T/Na-K	90	9.0	10.0
		GMV-R100T/Na-K	100	10.0	11.0
Concealed Duct Standard Type		GMV-R112T/Na-K	112	11.2	12.5
		GMV-R125T/Na-K	125	12.5	13.5
		GMV-R140T/Na-K	140	14.0	14.5
		GMV-R22P/NaB-K	22	2.2	2.5
		GMV-R28P/NaB-K	28	2.8	3.2
		GMV-R36P/NaB-K	36	3.6	4.0
		GMV-R45P/NaB-K	45	4.5	5.0
		GMV-R56P/NaB-K	56	5.6	6.3
		GMV-R71P/NaB-K	71	7.1	8.0
		GMV-R90P/NaB-K	90	9.0	10.0
		GMV-R112P/NaB-K	112	11.2	12.5
		GMV-R140P/NaB-K	140	14.0	15.0
		GMV-R22PS/NaB-K	22	2.2	2.5
		GMV-R28PS/NaB-K	28	2.8	3.2
		GMV-R36PS/NaB-K	36	3.6	4.0
		GMV-R45PS/NaB-K	45	4.5	5.0
		GMV-R56PS/NaB-K	56	5.6	6.3
		GMV-R71PS/NaB-K	71	7.1	8.0
		GMV-R90PS/NaB-K	90	9.0	10.0
		GMV-R112PS/NaB-K	112	11.2	12.5
		GMV-R140PS/NaB-K	140	14.0	15.0
		GMV-R22PS/NaE-K	22	2.2	2.5
	GMV-R28PS/NaE-K	28	2.8	3.2	
	GMV-R36PS/NaE-K	36	3.6	4.0	
	GMV-R45PS/NaE-K	45	4.5	5.0	
	GMV-R56PS/NaE-K	56	5.6	6.3	
	GMV-R71PS/NaE-K	71	7.1	8.0	
	GMV-R224P/NaB-M	224	22.4	25	
	GMV-R280P/NaB-M	280	28.0	31	

Type	Model Name	Capacity Code	Cooling Capacity(kW)	Heating Capacity(kW)	
Wall-mounted Type		GMV-R22G/NaB-K	22	2.2	2.5
		GMV-R28G/NaB-K	28	2.8	3.2
		GMV-R36G/NaB-K	36	3.6	4.0
		GMV-R45G/NaB-K	45	4.5	5.0
		GMV-R50G/NaB-K	50	5.0	5.8
		GMV-R56G/NaB-K	56	5.6	6.3
		GMV-R71G/Na-K	71	7.1	8.0
		GMV-R80G/Na-K	80	8.0	8.8
Wall-mounted Type (EXV integrated)		GMV-R22G/NaG-K	22	2.2	2.5
		GMV-R28G/NaG-K	28	2.8	3.2
		GMV-R36G/NaG-K	36	3.6	4.0
		GMV-R45G/NaG-K	45	4.5	5.0
		GMV-R50G/NaG-K	50	5.0	5.8
		GMV-R56G/NaG-K	56	5.6	6.3
		GMV-R63G/NaG-K	63	6.3	7.0
		GMV-R71G/NaG-K	71	7.1	8.0
		GMV-R28Zd/Na-K	28	2.8	3.2
		GMV-R36Zd/Na-K	36	3.6	4.0
		GMV-R50Zd/Na-K	50	5.0	5.8
		GMV-R71Zd/Na-K	71	7.1	8.0
		GMV-R90Zd/Na-K	90	9.0	10.0
		GMV-R112Zd/Na-K	112	11.2	12.5
Flooring ceiling Type		GMV-R125Zd/Na-K	125	12.5	13.5
		GMV-R28Zd/NaB-K	28	2.8	3.2
		GMV-R36Zd/NaB-K	36	3.6	4.0
		GMV-R50Zd/NaB-K	50	5.0	5.8
		GMV-R71Zd/NaB-K	71	7.1	8.0
		GMV-R90Zd/NaB-K	90	9.0	10.0
Floor And Wall Mounted Type		GMV-R112Zd/NaB-K	112	11.2	12.5
		GMV-R125Zd/NaB-K	125	12.5	13.5
		GMV-R28C/Na-K	28	2.8	3.2
		GMV-R36C/Na-K	36	3.6	4.0
Floor Standing Type		GMV-R50C/Na-K	50	5.0	5.5
		GMV-R71L/Na-K	71	7.1	8.0
		GMV-R100L/Na-K	100	10.0	11.0
		GMV-R140L/Na-K	140	14.0	15.0

2.3.1 Nomenclature



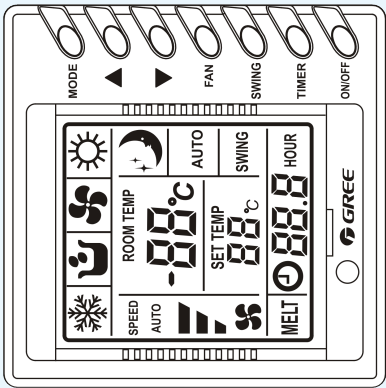
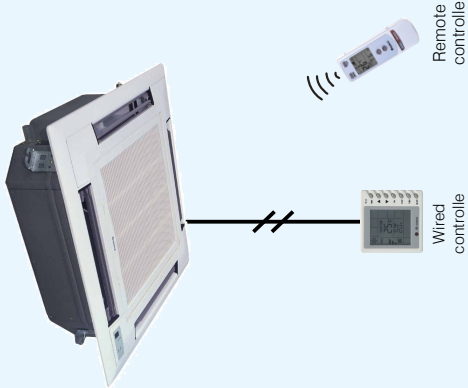
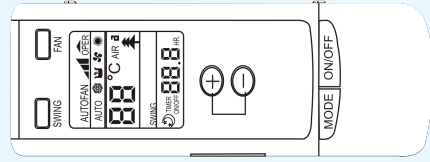

Example:GMV-R22P/NaB-K:A ducted type indoor unit of GREE, and the nominal cooling capacity is 2.2kW. It the R410A product. The power supply is 220V-240V-1Ph~50Hz.

2.3.2 Rated Conditions

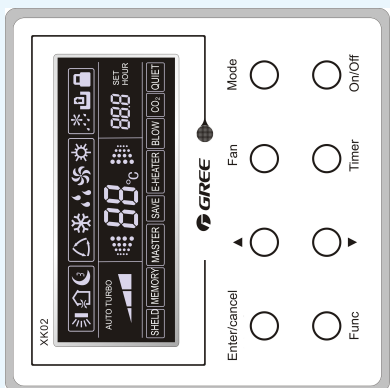
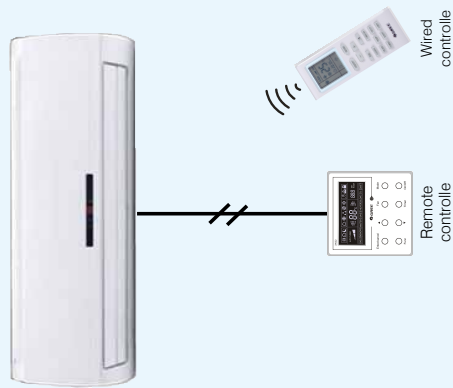
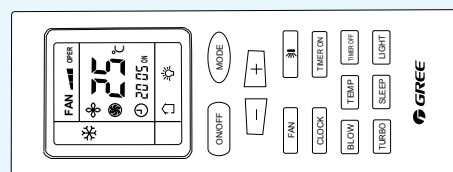

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Outdoor air temperature 35 °C (95 °F)DB/24 °C (75.2 °F)WB
- Heating:** Indoor air temperature 20 °C (68 °F)DB/15 °C (59 °F)WB
Outdoor air temperature 7 °C (44.6 °F)DB/6 °C (42.8 °F)WB

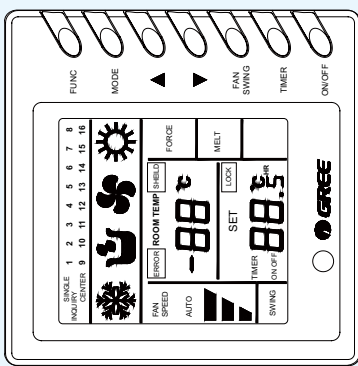
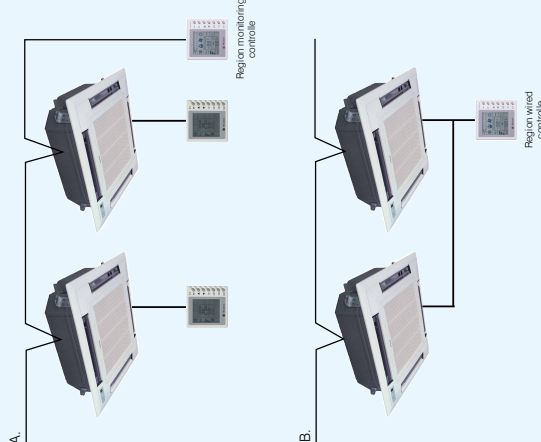
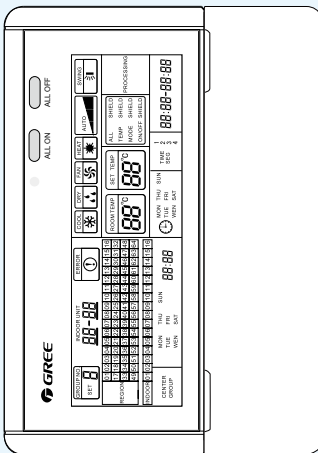
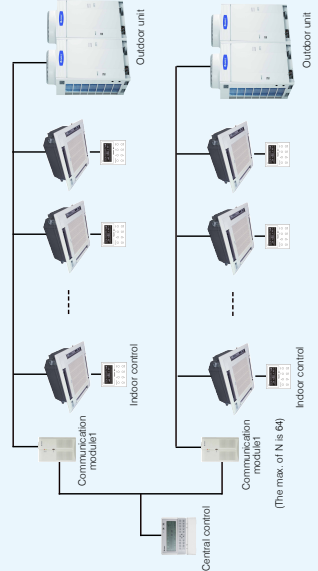
2.4 Controller



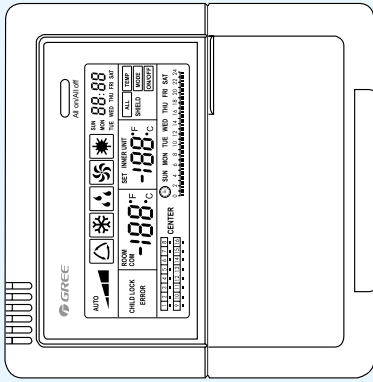
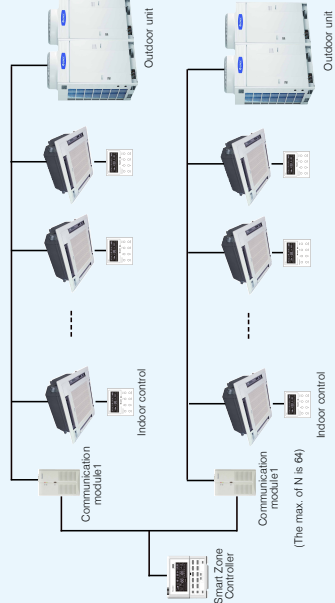
Name	Model Name	Application	Appearance	Function
Wire controller	Z60151F Z60351F Z63151F Z63351F			<ul style="list-style-type: none"> ◆ Start / Stop ◆ Mode Changing ◆ Temperature setting ◆ Air flow changing ◆ Timing setting ◆ Self-diagnosis function ◆ Display codes of trouble ◆ Control by 2 remote controllers is available. <p>Two remote controllers can be connected to one indoor unit. The indoor unit can be separately operated from the isolated places.</p>
remote controller	Y512A1			<ul style="list-style-type: none"> ◆ Start / Stop ◆ Mode Changing ◆ Temperature setting ◆ Air flow changing ◆ Timing setting

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Name	Model Name	Application	Appearance	Function
<p>Touch Button Wired controller</p>	<p>XK02</p>			<ul style="list-style-type: none"> ◆ Start / Stop ◆ Mode Changing ◆ Temperature setting ◆ Air flow changing ◆ Timing setting ◆ Self-diagnosis function ◆ Display codes of trouble ◆ Control by 2 remote controllers is available. ◆ Touch button ◆ Swing setting ◆ Sleep setting ◆ Turbo setting ◆ Energy setting ◆ E-heater setting ◆ Blow setting ◆ Quiet function setting ◆ Memory setting ◆ Lock function setting
<p>New remote controller</p>	<p>YB1FA</p>			<ul style="list-style-type: none"> ◆ Start / Stop ◆ Mode Changing ◆ Temperature setting ◆ Air flow changing ◆ Timing setting ◆ Blow setting ◆ Clock setting ◆ Sleep setting ◆ Turbo setting ◆ Light setting ◆ Lock setting

Name	Model Name	Application	Appearance	Function
Region controller	ZJA011 (MC207006)			<p>Region Controller has two functions.</p> <p>01 Function mode:</p> <p>Region monitoring controller</p> <ul style="list-style-type: none"> ◆ Individual control up to 16 indoor units. ◆ Central control up to 16 indoor units. ◆ Each outdoor can only connect one <p>Region monitoring controller.</p> <p>Two control mode</p> <ul style="list-style-type: none"> ◆ Individual control mode ◆ Central control mode <p>02 Function mode:</p> <p>Region wired controller</p> <ul style="list-style-type: none"> ◆ It can replace the No. 1-16 selected wired controllers to uniformly set or control the indoor units.
Centralized controller	CE51-24/E(M) (MC207030)			<ul style="list-style-type: none"> ◆ Individual control up to 1024 indoor units. ◆ Up to 64 outdoor units are connectable. ◆ 4 type central control setting to inhibit individual operation by remote controller can be selected. ◆ Three control mode: <ul style="list-style-type: none"> Individual control mode Central control mode Select control mode ◆ Each indoor unit can set Timer On/Off time by central, single or select control. Both Timer On and Timer Off can be set at the same time, and it is available that set the timer which days of the 7 days from Sunday to Saturday works.

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Name	Model Name	Application	Appearance	Function
Smart Zone Controller (MC207025)	CE50-24/E (MC207025)		 <p>(The max. of N is 64)</p>	<p>The smart zone controller can be used for the Multi VRF system and one-driven-one air conditioners, capable of controlling up to three sets of multi VRF systems or multiple sets of one-driven-one units, with the total indoor units not exceeding 16.</p> <p>The smart control is capable of viewing and controlling each running status.</p> <p>Single and Centralized Control.</p> <p>Other Personalized Functions</p> <ul style="list-style-type: none"> ◆ Single and centralized. ◆ Weekly timer under both single and centralized control. ◆ All On/Off. ◆ System clock. ◆ Keypad lock; ◆ Both Celsius and Fahrenheit scale; ◆ Viewing the serial ports and serial number of the indoor units

3 BASIC SYSTEM CONFIGURATION

Model name of outdoor unit:

GMV-Pd160W/NaB-K

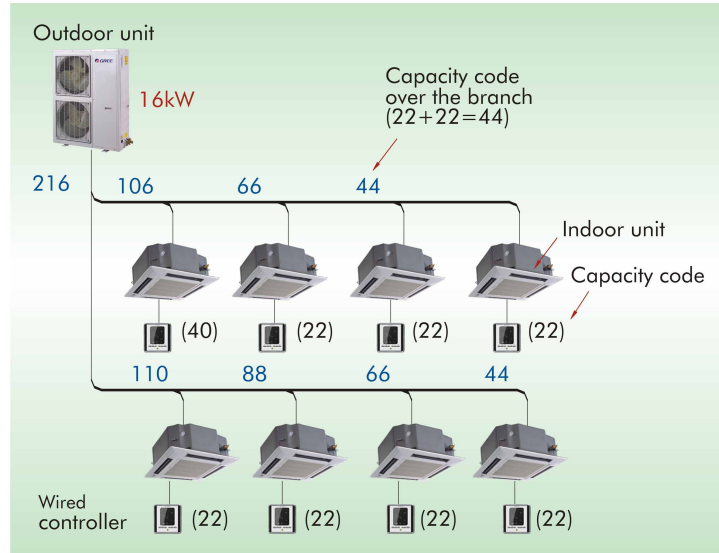
Allowed Max. No. of indoor unit:

9 units

Allowed capacity code of indoor unit:

Min. : 8.0 Max. : 21.6

Capacity code
Total 216
No. of total units
9



Model name of outdoor unit:

GMV-Pdm400W/NaB-M

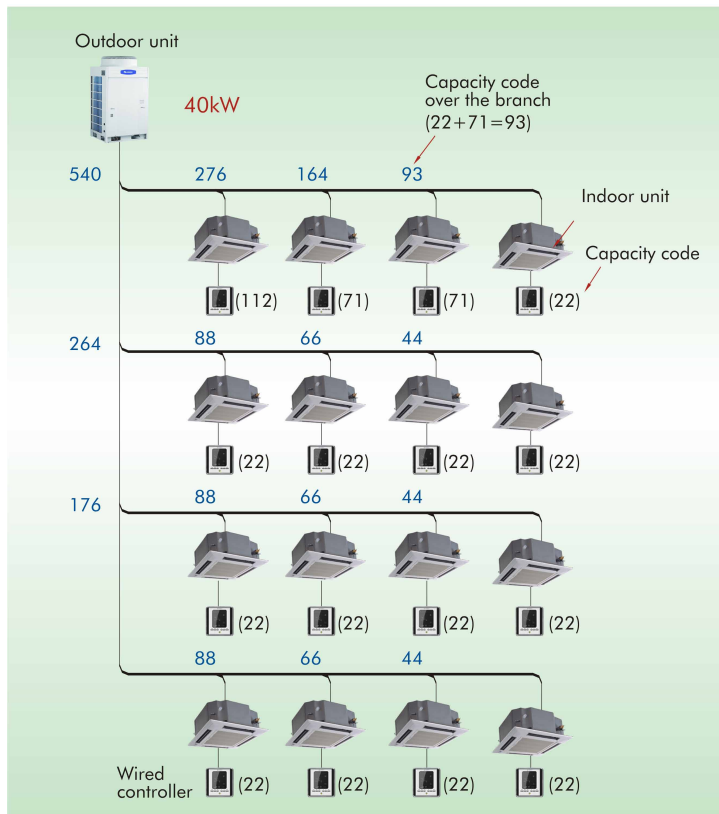
Allowed Max. No. of indoor unit:

16 units

Allowed capacity code of indoor unit:

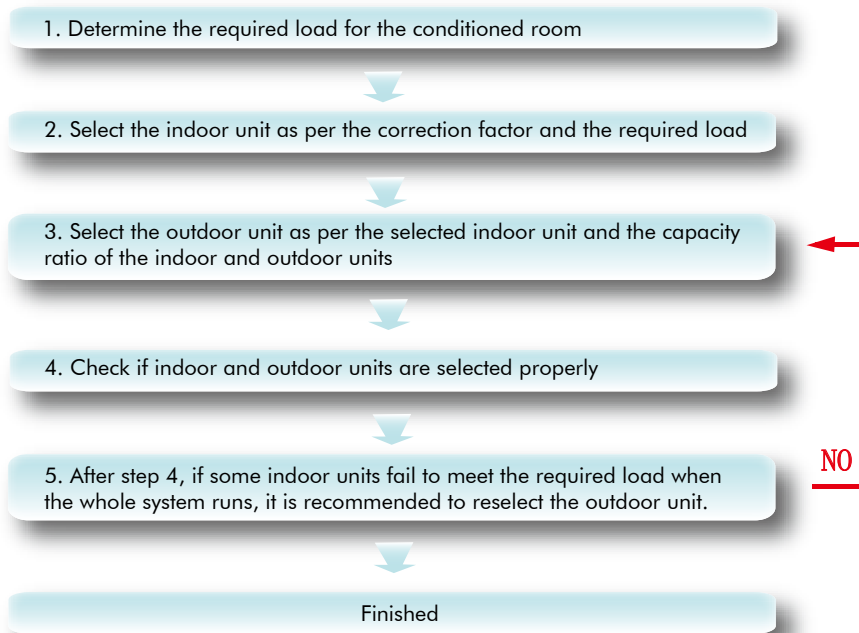
Min. : 20.0 Max. : 54.0

Capacity code
Total 540
No. of total units
16



4 EQUIPMENT SELECTION PROCEDURE

4.1 Selection Flow Chart



4.2 Combination Conditions for Indoor Unit and Outdoor Unit

- (1) The capacity code of indoor units = the nominal cooling capacity (W)×0.01
- (2) For outdoor unit, maximum No. of connectable indoor units and total capacity code of indoor units are decided.

Model name of outdoor unit	Capacity code of outdoor unit	Max. No.of indoor units	Total capacity code of indoor units
GMV-Pd100W/NaB-K	100	6	50 to 135
GMV-Pd120W/NaB-K	120	7	62 to 162
GMV-Pd140W/NaB-K	140	8	70 to 188
GMV-Pd160W/NaB-K	160	9	80 to 216
GMV-Pdm224W/NaB-M	224	14	112 to 308
GMV-Pdm280W/NaB-M	280	14	140 to 380
GMV-Pdm335W/NaB-M	335	16	160 to 454
GMV-Pdm400W/NaB-M	400	16	196 to 540
GMV-Pdm450W/NaB-M	450	16	225 to 607
GMV-Pdm504W2/NaB-M	504	30	252 to 680
GMV-Pdm560W2/NaB-M	560	32	280 to 756
GMV-Pdm615W2/NaB-M	615	32	307 to 830
GMV-Pdm670W2/NaB-M	670	32	335 to 904
GMV-Pdm730W2/NaB-M	730	32	365 to 985

Model name of outdoor unit	Capacity code of outdoor unit	Max. No. of indoor units	Total capacity code of indoor units
GMV-Pdm785W2/NaB-M	785	32	392 to 1059
GMV-Pdm850W2/NaB-M	850	32	425 to 1147
GMV-Pdm900W2/NaB-M	900	32	450 to 1350
GMV-Pdm950W3/NaB-M	950	48	475 to 1282
GMV-Pdm1008W3/NaB-M	1008	48	504 to 1360
GMV-Pdm1065W3/NaB-M	1065	48	532 to 1437
GMV-Pdm1130W3/NaB-M	1130	48	565 to 1532
GMV-Pdm1180W3/NaB-M	1180	48	590 to 1593
GMV-Pdm1235W3/NaB-M	1235	48	617 to 1667
GMV-Pdm1300W3/NaB-M	1300	48	650 to 1755
GMV-Pdm1350W3/NaB-M	1350	48	575 to 1822
GMV-Pdm1405W4/NaB-M	1405	64	702 to 1896
GMV-Pdm1456W4/NaB-M	1456	64	728 to 1965
GMV-Pdm1512W4/NaB-M	1512	64	728 to 1965
GMV-Pdm1570W4/NaB-M	1570	64	756 to 2119
GMV-Pdm1650W4/NaB-M	1650	64	825 to 2227
GMV-Pdm1700W4/NaB-M	1700	64	850 to 2295
GMV-Pdm1750W4/NaB-M	1750	64	875 to 2362
GMV-Pdm1800W4/NaB-M	1800	64	900 to 2430

➔ 4.3 Cooling/Heating Capacity

4.3.1 Cooling/Heating Capacity of Indoor Unit

1) Cooling Capacity

① Cooling capacity tables

TC: Total capacity; SC: Sensible capacity;

INDOOR UNIT SIZE	Outdoor temperature (°C DB)	Indoor temperature (WB/DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
22	10.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.9	1.7
	12.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.8	1.6
	14.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.8	1.6
	16.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.8	1.6
	18.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.8	1.6
	20.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.7	1.5
	21.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.7	1.5
	23.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.5	1.6	2.7	1.5
	25.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.5	1.6	2.6	1.5
	27.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.5	1.6	2.6	1.5
	29.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.4	1.5	2.5	1.5
	31.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.4	1.5	2.5	1.5
	33.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.4	1.5	2.4	1.5
	35.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.3	1.5	2.4	1.5
37.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.3	1.5	2.3	1.5	
39.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.2	1.6	2.3	1.5	2.3	1.5	

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TC: Total capacity; SC: Sensible capacity;

INDOOR UNIT SIZE	Outdoor temperature (°C DB)	Indoor temperature (WB/DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
28	10.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.2	3.3	2.1	3.7	2.1
	12.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.2	3.3	2.1	3.6	2.1
	14.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.2	3.3	2.1	3.6	2.1
	16.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.2	3.3	2.1	3.6	2.0
	18.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.2	3.3	2.1	3.5	2.0
	20.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.2	3.3	2.1	3.4	1.9
	21.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.2	3.3	2.1	3.4	1.9
	23.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.2	3.2	2.1	3.4	1.9
	25.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.2	3.2	2.0	3.3	1.9
	27.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.2	3.2	2.0	3.3	1.9
	29.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.2	3.1	2.0	3.2	1.9
	31.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.2	3.1	2.0	3.2	1.9
	33.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.2	3.1	2.0	3.1	2.0
	35.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.1	2.9	1.9	3.1	2.0
37.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.9	2.1	2.9	1.9	2.9	1.9	
39.0	1.9	1.8	2.3	1.9	2.7	2.0	2.8	2	2.8	2.0	2.9	1.9	2.9	1.9	
36	10.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.7	4.2	2.8	4.8	2.8
	12.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.7	4.2	2.8	4.6	2.7
	14.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.7	4.2	2.8	4.6	2.7
	16.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.7	4.2	2.8	4.5	2.7
	18.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.7	4.2	2.8	4.5	2.7
	20.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.7	4.2	2.8	4.4	2.7
	21.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.7	4.2	2.8	4.4	2.7
	23.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.7	4.2	2.8	4.4	2.7
	25.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.7	4.1	2.7	4.2	2.6
	27.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.7	4.1	2.7	4.2	2.6
	29.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.7	4.0	2.6	4.1	2.5
	31.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.7	4.0	2.6	4.1	2.4
	33.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.7	4.0	2.6	4.0	2.4
	35.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.9	2.6	3.9	2.6	4.0	2.4
37.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.7	2.6	3.9	2.6	3.9	2.3	
39.0	2.4	2.2	3.0	2.5	3.3	2.6	3.6	2.7	3.7	2.6	3.9	2.7	3.9	2.4	
45	10.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.22	3.51	5.67	3.6
	12.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.22	3.51	5.67	3.6
	14.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.22	3.51	5.58	3.6
	16.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.22	3.51	5.58	3.6
	18.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.22	3.51	5.49	3.51
	20.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.22	3.51	5.49	3.51
	21.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.22	3.51	5.49	3.51
	23.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.22	3.51	5.4	3.51
	25.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.22	3.51	5.4	3.42
	27.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.22	3.51	5.31	3.42
	29.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.22	3.51	5.31	3.42
	31.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.22	3.51	5.31	3.42
	33.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.13	3.51	5.22	3.33
	35.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	5.04	3.42	5.22	3.33
37.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	4.95	3.33	5.13	3.33	
39.0	3.06	2.79	3.6	2.97	4.23	3.33	4.5	3.33	4.77	3.42	4.86	3.24	5.04	3.33	

TC: Total capacity; SC: Sensible capacity;

INDOOR UNIT SIZE	Outdoor temperature (°C DB)	Indoor temperature (WB/DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50	10.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.8	3.9	6.3	4
	12.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.8	3.9	6.3	4
	14.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.8	3.9	6.2	4
	16.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.8	3.9	6.2	4
	18.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.8	3.9	6.1	3.9
	20.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.8	3.9	6.1	3.9
	21.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.8	3.9	6.1	3.9
	23.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.8	3.9	6	3.9
	25.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.8	3.9	6	3.8
	27.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.8	3.9	5.9	3.8
	29.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.8	3.9	5.9	3.8
	31.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.8	3.9	5.9	3.8
	33.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.7	3.9	5.8	3.7
	35.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.6	3.8	5.8	3.7
37.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.5	3.7	5.7	3.7	
39.0	3.4	3.1	4	3.3	4.7	3.7	5	3.7	5.3	3.8	5.4	3.6	5.6	3.7	
56	10.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.6	4.6	7.3	4.1
	12.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.6	4.6	7.3	4.1
	14.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.6	4.6	7.2	4.1
	16.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.6	4.6	6.9	4.0
	18.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.6	4.6	7.1	4.1
	20.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.6	4.6	7.1	4.1
	21.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.6	4.6	7.0	4.1
	23.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.6	4.6	6.9	4.0
	25.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.5	4.1	6.8	3.9
	27.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.4	4.0	6.5	3.8
	29.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.3	4.0	6.4	3.7
	31.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.2	3.9	6.3	3.7
	33.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	6.0	3.8	6.3	3.7
	35.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	5.9	3.7	6.2	3.6
37.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	6.0	4.0	5.9	3.9	6.1	3.5	
39.0	3.9	3.2	4.6	3.5	5.2	3.9	5.6	4.0	5.7	3.8	5.8	3.8	6.0	3.5	
63	10.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	7.4	4.3	8.2	4.3
	12.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	7.4	4.3	8.1	4.2
	14.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	7.4	4.3	8.0	4.2
	16.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	7.45	4.3	7.9	4.2
	18.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	7.45	4.3	7.7	4.2
	20.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	7.4	4.3	7.5	4.1
	21.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	7.4	4.3	7.4	4.0
	23.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	7.4	4.3	7.4	4.0
	25.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	7.4	4.3	7.3	3.9
	27.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	7.2	4.3	7.3	3.9
	29.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	7.1	4.3	7.2	4.0
	31.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	7.0	4.2	7.0	3.9
	33.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	6.9	4.2	7.0	3.9
	35.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	6.7	4.1	6.8	3.8
37.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	6.6	4.0	6.7	3.8	
39.0	4.4	3.4	5.1	3.7	5.9	4.1	6.3	4.17	6.6	4.3	6.6	3.9	6.7	3.8	

DC Inverter Multi VRF Technical Sales Guide

TC: Total capacity; SC: Sensible capacity;

INDOOR UNIT SIZE	Outdoor temperature (°C DB)	Indoor temperature (WB/DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
71	10.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	8.4	4.9	9.2	4.9
	12.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	8.4	4.9	9.1	4.8
	14.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	8.4	4.9	9.0	4.8
	16.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	8.4	4.9	8.9	4.7
	18.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	8.4	4.9	8.7	4.7
	20.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	8.4	4.9	8.5	4.6
	21.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	8.4	4.9	8.4	4.5
	23.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	8.4	4.9	8.3	4.5
	25.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	8.4	4.9	8.2	4.4
	27.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	8.1	4.9	8.2	4.4
	29.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	8.0	4.8	8.1	4.5
	31.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	7.9	4.7	7.8	4.4
	33.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	7.8	4.7	7.8	4.4
35.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	7.6	4.6	7.7	4.3	
37.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.5	4.8	7.5	4.5	7.6	4.3	
39.0	5.0	3.8	5.8	4.2	6.7	4.6	7.1	4.7	7.2	4.6	7.4	4.4	7.6	4.3	
80	10	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	9.5	5.5	10.4	5.5
	12	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	9.5	5.5	10.3	5.4
	14	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	9.5	5.5	10.1	5.4
	16	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	9.5	5.5	10	5.3
	18	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	9.5	5.5	9.8	5.3
	20	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	9.5	5.5	9.6	5.2
	21	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	9.5	5.5	9.5	5.1
	23	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	9.5	5.5	9.4	5.1
	25	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	9.5	5.5	9.2	5
	27	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	9.1	5.5	9.2	5
	29	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	9	5.4	9.1	5.1
	31	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	8.9	5.3	8.8	5
	33	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	8.8	5.3	8.8	5
35	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	8.6	5.2	8.7	4.8	
37	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.5	5.4	8.5	5.1	8.6	4.8	
39	5.6	4.3	6.5	4.7	7.5	5.2	8	5.3	8.1	5.2	8.3	5	8.6	4.8	
90	10.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.6	6.5	10.6	6.6	11.7	6.6
	12.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.6	6.5	10.6	6.6	11.5	6.5
	14.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.6	6.5	10.6	6.6	11.4	6.4
	16.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.6	6.5	10.6	6.6	11.3	6.3
	18.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.6	6.5	10.6	6.6	11.0	6.3
	20.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.6	6.5	10.6	6.6	10.8	6.2
	21.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.6	6.5	10.6	6.6	10.6	6.1
	23.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.6	6.5	10.6	6.6	10.5	6.0
	25.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.6	6.5	10.6	6.6	10.4	6.0
	27.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.6	6.5	10.3	6.4	10.4	5.9
	29.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.6	6.5	10.1	6.2	10.3	5.8
	31.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.6	6.5	10.0	6.2	9.9	5.7
	33.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.6	6.5	9.9	6.1	9.9	5.7
35.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.5	6.5	9.6	6.0	9.7	5.7	
37.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.3	6.3	9.5	5.9	9.6	5.8	
39.0	6.2	5.3	7.3	5.8	8.4	6.3	9.0	6.4	9.2	6.2	9.4	5.8	9.6	5.8	

TC: Total capacity; SC: Sensible capacity;

INDOOR UNIT SIZE	Outdoor temperature (°C DB)	Indoor temperature (WB/DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100	10.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	11.7	7.3	13	7.3
	12.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	11.7	7.3	12.9	7.2
	14.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	11.7	7.3	12.8	7.1
	16.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	11.7	7.3	12.6	7
	18.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	11.7	7.3	12.5	7
	20.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	11.7	7.3	12.3	6.9
	21.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	11.7	7.3	12	6.8
	23.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	11.7	7.3	11.9	6.6
	25.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	11.7	7.3	11.8	6.6
	27.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	11.4	7.1	11.7	6.5
	29.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	11.2	7	11.5	6.4
	31.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	11	7	11.3	6.2
	33.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	10.8	6.9	11.3	6
35.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.6	7.2	10.6	6.9	11.2	5.8	
37.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.3	7.1	10.6	6.7	11.1	5.8	
39.0	6.9	5.9	8.1	6.4	9.3	7	10	7.1	10.2	6.9	10.3	6.7	11	5.6	
112	10.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.9	8.3	13.3	8.5	15.5	9.1
	12.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.9	8.3	13.3	8.5	15.4	9
	14.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.9	8.3	13.3	8.5	15.3	8.9
	16.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.9	8.3	13.3	8.5	15.1	8.8
	18.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.9	8.3	13.3	8.5	14.9	8.7
	20.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.9	8.3	13.3	8.5	14.7	8.6
	21.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.9	8.3	13.3	8.5	14.5	8.5
	23.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.9	8.3	13.3	8.5	14.3	8.4
	25.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.9	8.3	13.3	8.5	14.1	8.3
	27.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.9	8.3	13.2	8.4	14	8.2
	29.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.9	8.3	13.1	8.4	13.8	8.1
	31.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.9	8.3	13	8.4	13.5	8
	33.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.9	8.3	12.9	8.3	13.3	7.9
35.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.5	8.2	12.8	8.3	13.2	7.8	
37.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	11.2	8.1	12.7	8.2	12.9	7.7	
39.0	7.7	6.4	9.1	7.1	10.5	7.7	11.2	8.2	10.9	8	12.5	8	12.9	7.6	
125	10.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	13.2	9.2	14.7	9.3	17.1	9.9
	12.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	13.2	9.2	14.7	9.3	16.9	9.8
	14.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	13.2	9.2	14.7	9.3	16.8	9.7
	16.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	13.2	9.2	14.7	9.3	16.6	9.6
	18.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	13.2	9.2	14.7	9.3	16.3	9.5
	20.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	13.2	9.2	14.7	9.3	16.1	9.4
	21.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	13.2	9.2	14.7	9.3	15.8	9.3
	23.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	13.2	9.2	14.7	9.3	15.7	9.2
	25.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	13.2	9.2	14.7	9.3	15.5	9.1
	27.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	13.2	9.2	14.7	9.3	15.3	9
	29.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	13.2	9.2	14.7	9.3	15.1	8.9
	31.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	13.2	9.2	14.7	9.3	14.8	8.8
	33.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	13	9	14.5	9.2	14.6	8.7
35.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	12.8	8.8	14.3	9.1	14.5	8.6	
37.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	12.7	8.7	14.1	8.9	14.3	8.5	
39.0	8.8	7.4	10.5	8.2	11.7	8.7	12.5	9.2	12.5	8.6	14	8.8	14.1	8.4	

DC Inverter Multi VRF Technical Sales Guide

TC: Total capacity; SC: Sensible capacity;

INDOOR UNIT SIZE	Outdoor temperature (°C DB)	Indoor temperature (WB/DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
140	10.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.8	10.4	16.3	10.8	18.8	11.2
	12.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.8	10.4	16.3	10.8	18.6	11.1
	14.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.8	10.4	16.3	10.8	18.4	10.9
	16.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.8	10.4	16.3	10.8	18.2	10.8
	18.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.8	10.4	16.3	10.8	18	10.6
	20.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.8	10.4	16.3	10.8	17.8	10.5
	21.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.8	10.4	16.3	10.8	17.6	10.3
	23.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.8	10.4	16.3	10.8	17.4	10.2
	25.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.8	10.4	16.3	10.8	17.2	10.0
	27.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.8	10.4	16.3	10.8	17	9.9
	29.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.8	10.4	16.2	10.7	16.8	9.7
	31.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.7	10.3	16	10.6	16.6	9.6
	33.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.5	10.2	15.8	10.5	16.4	9.4
	35.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.2	10.1	15.6	10.4	16.2	9.3
37.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	14.1	9.9	15.4	10.3	16	9.1	
39.0	10.2	8.5	11.6	8.7	13.1	9.7	14	10.1	13.9	9.7	15.1	10.2	15.8	9.0	
224	10.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	23.7	16.6	26.1	17.3	30.1	17.9
	12.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	23.7	16.6	26.1	17.3	29.8	17.7
	14.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	23.7	16.6	26.1	17.3	29.4	17.4
	16.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	23.7	16.6	26.1	17.3	29.1	17.2
	18.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	23.7	16.6	26.1	17.3	28.8	17.0
	20.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	23.7	16.6	26.1	17.3	28.5	16.7
	21.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	23.7	16.6	26.1	17.3	28.2	16.5
	23.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	23.7	16.6	26.1	17.3	27.8	16.2
	25.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	23.7	16.6	26.1	17.3	27.5	16.0
	27.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	23.7	16.6	26.1	17.3	27.2	15.8
	29.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	23.7	16.6	25.9	17.1	26.9	15.5
	31.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	23.5	16.5	25.6	17.0	26.6	15.3
	33.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	23.2	16.3	25.3	16.8	26.2	15.0
	35.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	22.7	16.2	25.0	16.6	25.9	14.8
37.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	22.6	15.8	24.6	16.5	25.6	14.6	
39.0	16.3	13.6	18.6	13.9	21.0	15.5	22.4	16.2	22.2	15.5	24.2	16.3	25.3	14.3	
280	10.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	29.6	20.8	32.6	21.6	37.6	22.4
	12.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	29.6	20.8	32.6	21.6	37.2	22.1
	14.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	29.6	20.8	32.6	21.6	36.8	21.8
	16.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	29.6	20.8	32.6	21.6	36.4	21.5
	18.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	29.6	20.8	32.6	21.6	36	21.2
	20.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	29.6	20.8	32.6	21.6	35.6	20.9
	21.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	29.6	20.8	32.6	21.6	35.2	20.6
	23.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	29.6	20.8	32.6	21.6	34.8	20.3
	25.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	29.6	20.8	32.6	21.6	34.4	20
	27.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	29.6	20.8	32.6	21.6	34	19.7
	29.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	29.6	20.8	32.4	21.4	33.6	19.4
	31.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	29.4	20.6	32	21.2	33.2	19.1
	33.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	29	20.4	31.6	21	32.8	18.8
	35.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	28.4	20.2	31.2	20.8	32.4	18.5
37.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	28.2	19.8	30.8	20.6	32	18.2	
39.0	20.4	17	23.2	17.4	26.2	19.4	28	20.2	27.8	19.4	30.2	20.4	31.6	17.9	

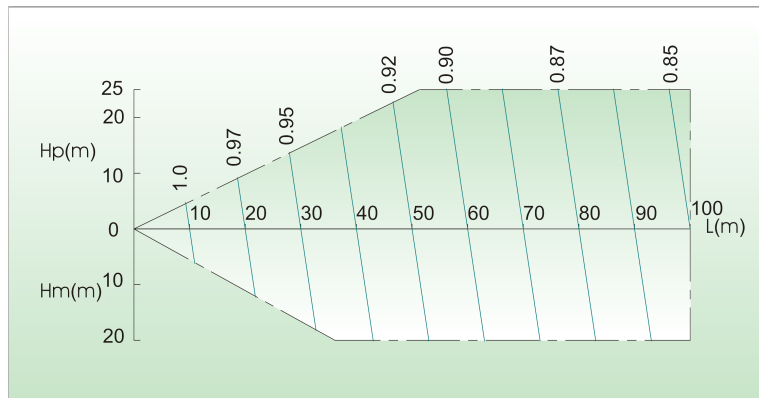
② Connecting Pipe Length and Height Difference Between Indoor and Outdoor Units vs.Capacity Correction Value

◆ Hp: Height Difference Between Indoor and Outdoor Units(Outdoor unit higher)

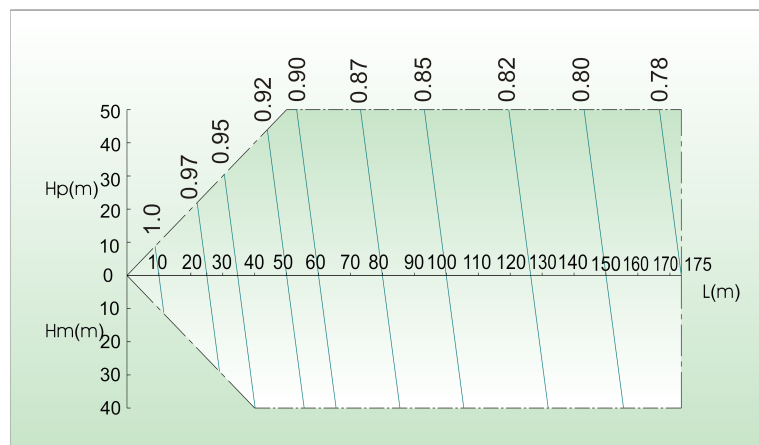
◆ Hm: Height Difference Between Indoor and Outdoor Units(Outdoor unit lower)

◆ L:Equivalent pipe length

GMV-Pd100W/NaB-K,GMV-Pd120W/NaB-K,GMV-Pd140W/NaB-K,GMV-Pd160W/NaB-K



GMV-Pdm224W/NaB-M,GMV-Pdm280W/NaB-M,GMV-Pdm335W/NaB-M,
 GMV-Pdm400W/NaB-M,GMV-Pdm450W/NaB-M,GMV-Pdm504W2/NaB-M,
 GMV-Pdm560W2/NaB-M,GMV-Pdm615W2/NaB-M,GMV-Pdm670W2/NaB-M,
 GMV-Pdm730W2/NaB-M,GMV-Pdm785W2/NaB-M,GMV-Pdm850W2/NaB-M,
 GMV-Pdm900W2/NaB-M,GMV-Pdm950W3/NaB-M,GMV-Pdm1008W3/NaB-M,
 GMV-Pdm1065W3/NaB-M,GMV-Pdm1130W3/NaB-M,GMV-Pdm1180W3/NaB-M,
 GMV-Pdm1235W3/NaB-M,GMV-Pdm1300W3/NaB-M,GMV-Pdm1350W3/NaB-M,
 GMV-Pdm1405W4/NaB-M,GMV-Pdm1456W4/NaB-M,GMV-Pdm1512W4/NaB-M,
 GMV-Pdm1570W4/NaB-M,GMV-Pdm1650W4/NaB-M,GMV-Pdm1700W4/NaB-M,
 GMV-Pdm1750W4/NaB-M,GMV-Pdm1800W4/NaB-M



2) Heating Capacity

① Heating capacity tables

TC: Total capacity;

INDOOR UNIT SIZE	Outdoor temperature (°C DB)	Indoor temperature (DB)					
		16	18	20	21	22	24
		TC	TC	TC	TC	TC	TC
		kW	kW	kW	kW	kW	kW
22	-19.8	1.9	1.9	1.8	1.8	1.8	1.8
	-18.8	1.9	1.9	1.8	1.8	1.8	1.8
	-16.7	1.9	1.9	1.9	1.9	1.9	1.9
	-14.7	1.9	1.9	1.9	1.9	1.9	1.9
	-12.6	1.9	1.9	1.9	1.9	1.9	1.9
	-10.5	2.0	2.0	2.0	2.0	2.0	2.0
	-9.5	2.0	2.0	2.0	2.0	2.0	2.0
	-8.5	2.1	2.1	2.1	2.1	2.1	2.0
	-7	2.1	2.1	2.1	2.1	2.1	2.0
	-5	2.2	2.2	2.2	2.2	2.1	2.1
	-3	2.3	2.2	2.2	2.2	2.1	2.1
	0	2.4	2.3	2.3	2.3	2.1	2.1
	3	2.5	2.4	2.4	2.4	2.2	2.1
	5	2.6	2.5	2.5	2.4	2.2	2.1
	7	2.6	2.6	2.5	2.4	2.2	2.1
9	2.6	2.6	2.5	2.4	2.2	2.1	
11	2.7	2.6	2.5	2.4	2.2	2.1	
13	2.7	2.6	2.5	2.4	2.2	2.1	
15	2.7	2.6	2.5	2.4	2.2	2.1	
28	-19.8	2.4	2.4	2.3	2.3	2.3	2.3
	-18.8	2.4	2.4	2.3	2.3	2.3	2.3
	-16.7	2.4	2.4	2.4	2.4	2.4	2.4
	-14.7	2.4	2.4	2.4	2.4	2.4	2.4
	-12.6	2.4	2.4	2.4	2.4	2.4	2.4
	-10.5	2.6	2.6	2.6	2.6	2.6	2.6
	-9.5	2.6	2.6	2.6	2.6	2.6	2.6
	-8.5	2.7	2.7	2.7	2.7	2.7	2.6
	-7	2.7	2.7	2.7	2.7	2.7	2.6
	-5	2.8	2.8	2.8	2.8	2.7	2.7
	-3	2.9	2.8	2.8	2.8	2.7	2.7
	0	3.1	2.9	2.9	2.9	2.7	2.7
	3	3.2	3.1	3.1	3.1	2.8	2.7
	5	3.3	3.2	3.2	3.1	2.8	2.7
	7	3.3	3.3	3.2	3.1	2.8	2.7
9	3.3	3.3	3.2	3.1	2.8	2.7	
11	3.5	3.3	3.2	3.1	2.8	2.7	
13	3.5	3.3	3.2	3.1	2.8	2.7	
15	3.5	3.3	3.2	3.1	2.8	2.7	
36	-19.8	3.0	3.0	2.9	2.9	2.9	2.9
	-18.8	3.0	3.0	2.9	2.9	2.9	2.9
	-16.7	3.0	3.0	3.0	3.0	3.0	3.0
	-14.7	3.0	3.0	3.0	3.0	3.0	3.0
	-12.6	3.0	3.0	3.0	3.0	3.0	3.0
	-10.5	3.2	3.2	3.2	3.2	3.2	3.2
	-9.5	3.2	3.2	3.2	3.2	3.2	3.2
	-8.5	3.4	3.4	3.4	3.4	3.4	3.2
	-7	3.4	3.4	3.4	3.4	3.4	3.2
	-5	3.5	3.5	3.5	3.5	3.4	3.4
	-3	3.7	3.5	3.5	3.5	3.4	3.4
	0	3.8	3.7	3.7	3.7	3.4	3.4
	3	4.0	3.8	3.8	3.8	3.5	3.4
	5	4.2	4.0	4.0	3.8	3.5	3.4
	7	4.2	4.2	4.0	3.8	3.5	3.4
9	4.2	4.2	4.0	3.8	3.5	3.4	
11	4.3	4.2	4.0	3.8	3.5	3.4	
13	4.3	4.2	4.0	3.8	3.5	3.4	
15	4.3	4.2	4.0	3.8	3.5	3.4	

TC: Total capacity;

INDOOR UNIT SIZE	Outdoor temperature (°C DB)	Indoor temperature (DB)					
		16	18	20	21	22	24
		TC	TC	TC	TC	TC	TC
		kW	kW	kW	kW	kW	kW
45	-19.8	3.8	3.8	3.6	3.6	3.6	3.6
	-18.8	3.8	3.8	3.6	3.6	3.6	3.6
	-16.7	3.8	3.8	3.8	3.8	3.8	3.8
	-14.7	3.8	3.8	3.8	3.8	3.8	3.8
	-12.6	3.8	3.8	3.8	3.8	3.8	3.8
	-10.5	4.0	4.0	4.0	4.0	4.0	4.0
	-9.5	4.0	4.0	4.0	4.0	4.0	4.0
	-8.5	4.2	4.2	4.2	4.2	4.2	4.0
	-7	4.2	4.2	4.2	4.2	4.2	4.0
	-5	4.4	4.4	4.4	4.4	4.2	4.2
	-3	4.6	4.4	4.4	4.4	4.2	4.2
	0	4.8	4.6	4.6	4.6	4.2	4.2
	3	5.0	4.8	4.8	4.8	4.4	4.2
	5	5.2	5.0	5.0	4.8	4.4	4.2
	7	5.2	5.2	5.0	4.8	4.4	4.2
9	5.2	5.2	5.0	4.8	4.4	4.2	
11	5.4	5.2	5.0	4.8	4.4	4.2	
13	5.4	5.2	5.0	4.8	4.4	4.2	
15	5.4	5.2	5.0	4.8	4.4	4.2	
50	-19.8	4.4	4.4	4.2	4.2	4.2	4.2
	-18.8	4.4	4.4	4.2	4.2	4.2	4.2
	-16.7	4.4	4.4	4.4	4.4	4.4	4.4
	-14.7	4.4	4.4	4.4	4.4	4.4	4.4
	-12.6	4.4	4.4	4.4	4.4	4.4	4.4
	-10.5	4.6	4.6	4.6	4.6	4.6	4.6
	-9.5	4.6	4.6	4.6	4.6	4.6	4.6
	-8.5	4.9	4.9	4.9	4.9	4.9	4.6
	-7	4.9	4.9	4.9	4.9	4.9	4.6
	-5	5.1	5.1	5.1	5.1	4.9	4.9
	-3	5.3	5.1	5.1	5.1	4.9	4.9
	0	5.6	5.3	5.3	5.3	4.9	4.9
	3	5.8	5.6	5.6	5.6	5.1	4.9
	5	6.0	5.8	5.8	5.6	5.1	4.9
	7	6.0	6.0	5.8	5.6	5.1	4.9
9	6.0	6.0	5.8	5.6	5.1	4.9	
11	6.3	6.0	5.8	5.6	5.1	4.9	
13	6.3	6.0	5.8	5.6	5.1	4.9	
15	6.3	6.0	5.8	5.6	5.1	4.9	
56	-19.8	4.8	4.8	4.5	4.5	4.5	4.5
	-18.8	4.8	4.8	4.5	4.5	4.5	4.5
	-16.7	4.8	4.8	4.8	4.8	4.8	4.8
	-14.7	4.8	4.8	4.8	4.8	4.8	4.8
	-12.6	4.8	4.8	4.8	4.8	4.8	4.8
	-10.5	5.0	5.0	5.0	5.0	5.0	5.0
	-9.5	5.0	5.0	5.0	5.0	5.0	5.0
	-8.5	5.3	5.3	5.3	5.3	5.3	5.0
	-7	5.3	5.3	5.3	5.3	5.3	5.0
	-5	5.5	5.5	5.5	5.5	5.3	5.3
	-3	5.8	5.5	5.5	5.5	5.3	5.3
	0	6.0	5.8	5.8	5.8	5.3	5.3
	3	6.3	6.0	6.0	6.0	5.5	5.3
	5	6.6	6.3	6.3	6.0	5.5	5.3
	7	6.6	6.6	6.3	6.0	5.5	5.3
9	6.6	6.6	6.3	6.0	5.5	5.3	
11	6.8	6.6	6.3	6.0	5.5	5.3	
13	6.8	6.6	6.3	6.0	5.5	5.3	
15	6.8	6.6	6.3	6.0	5.5	5.3	

DC Inverter Multi VRF Technical Sales Guide

TC: Total capacity;

INDOOR UNIT SIZE	Outdoor temperature (°C DB)	Indoor temperature (DB)					
		16	18	20	21	22	24
		TC	TC	TC	TC	TC	TC
		kW	kW	kW	kW	kW	kW
63	-19.8	5.3	5.3	5.0	5.0	5.0	5.0
	-18.8	5.3	5.3	5.0	5.0	5.0	5.0
	-16.7	5.3	5.3	5.3	5.3	5.3	5.3
	-14.7	5.3	5.3	5.3	5.3	5.3	5.3
	-12.6	5.3	5.3	5.3	5.3	5.3	5.3
	-10.5	5.6	5.6	5.6	5.6	5.6	5.6
	-9.5	5.6	5.6	5.6	5.6	5.6	5.6
	-8.5	5.9	5.9	5.9	5.9	5.9	5.6
	-7	5.9	5.9	5.9	5.9	5.9	5.6
	-5	6.2	6.2	6.2	6.2	5.9	5.9
	-3	6.4	6.2	6.2	6.2	5.9	5.9
	0	6.7	6.4	6.4	6.4	5.9	5.9
	3	7.0	6.7	6.7	6.7	6.2	5.9
	5	7.3	7.0	7.0	6.7	6.2	5.9
	7	7.3	7.3	7.0	6.7	6.2	5.9
9	7.3	7.3	7.0	6.7	6.2	5.9	
11	7.6	7.3	7.0	6.7	6.2	5.9	
13	7.6	7.3	7.0	6.7	6.2	5.9	
15	7.6	7.3	7.0	6.7	6.2	5.9	
71	-19.8	6.1	6.1	5.8	5.8	5.8	5.8
	-18.8	6.1	6.1	5.8	5.8	5.8	5.8
	-16.7	6.1	6.1	6.1	6.1	6.1	6.1
	-14.7	6.1	6.1	6.1	6.1	6.1	6.1
	-12.6	6.1	6.1	6.1	6.1	6.1	6.1
	-10.5	6.4	6.4	6.4	6.4	6.4	6.4
	-9.5	6.4	6.4	6.4	6.4	6.4	6.4
	-8.5	6.7	6.7	6.7	6.7	6.7	6.4
	-7	6.7	6.7	6.7	6.7	6.7	6.4
	-5	7.0	7.0	7.0	7.0	6.7	6.7
	-3	7.4	7.0	7.0	7.0	6.7	6.7
	0	7.7	7.4	7.4	7.4	6.7	6.7
	3	8.0	7.7	7.7	7.7	7.0	6.7
	5	8.3	8.0	8.0	7.7	7.0	6.7
	7	8.3	8.3	8.0	7.7	7.0	6.7
9	8.3	8.3	8.0	7.7	7.0	6.7	
11	8.6	8.3	8.0	7.7	7.0	6.7	
13	8.6	8.3	8.0	7.7	7.0	6.7	
15	8.6	8.3	8.0	7.7	7.0	6.7	
80	-19.8	6.8	6.8	6.5	6.5	6.5	6.5
	-18.8	6.8	6.8	6.5	6.5	6.5	6.5
	-16.7	6.8	6.8	6.8	6.8	6.8	6.8
	-14.7	6.8	6.8	6.8	6.8	6.8	6.8
	-12.6	6.8	6.8	6.8	6.8	6.8	6.8
	-10.5	7.2	7.2	7.2	7.2	7.2	7.2
	-9.5	7.2	7.2	7.2	7.2	7.2	7.2
	-8.5	7.6	7.6	7.6	7.6	7.6	7.2
	-7	7.6	7.6	7.6	7.6	7.6	7.2
	-5	7.9	7.9	7.9	7.9	7.6	7.6
	-3	8.3	7.9	7.9	7.9	7.6	7.6
	0	8.6	8.3	8.3	8.3	7.6	7.6
	3	9.0	8.6	8.6	8.6	7.9	7.6
	5	9.4	9.0	9.0	8.6	7.9	7.6
	7	9.4	9.4	9.0	8.6	7.9	7.6
9	9.4	9.4	9.0	8.6	7.9	7.6	
11	9.7	9.4	9.0	8.6	7.9	7.6	
13	9.7	9.4	9.0	8.6	7.9	7.6	
15	9.7	9.4	9.0	8.6	7.9	7.6	

TC: Total capacity;

INDOOR UNIT SIZE	Outdoor temperature (°C DB)	Indoor temperature (DB)					
		16	18	20	21	22	24
		TC	TC	TC	TC	TC	TC
		kW	kW	kW	kW	kW	kW
90	-19.8	7.6	7.6	7.2	7.2	7.2	7.2
	-18.8	7.6	7.6	7.2	7.2	7.2	7.2
	-16.7	7.6	7.6	7.6	7.6	7.6	7.6
	-14.7	7.6	7.6	7.6	7.6	7.6	7.6
	-12.6	7.6	7.6	7.6	7.6	7.6	7.6
	-10.5	8.0	8.0	8.0	8.0	8.0	8.0
	-9.5	8.0	8.0	8.0	8.0	8.0	8.0
	-8.5	8.4	8.4	8.4	8.4	8.4	8.0
	-7	8.4	8.4	8.4	8.4	8.4	8.0
	-5	8.8	8.8	8.8	8.8	8.4	8.4
	-3	9.2	8.8	8.8	8.8	8.4	8.4
	0	9.6	9.2	9.2	9.2	8.4	8.4
	3	10.0	9.6	9.6	9.6	8.8	8.4
	5	10.4	10.0	10.0	9.6	8.8	8.4
	7	10.4	10.4	10.0	9.6	8.8	8.4
9	10.4	10.4	10.0	9.6	8.8	8.4	
11	10.8	10.4	10.0	9.6	8.8	8.4	
13	10.8	10.4	10.0	9.6	8.8	8.4	
15	10.8	10.4	10.0	9.6	8.8	8.4	
100	-19.8	8.4	8.4	7.9	7.9	7.9	7.9
	-18.8	8.4	8.4	7.9	7.9	7.9	7.9
	-16.7	8.4	8.4	8.4	8.4	8.4	8.4
	-14.7	8.4	8.4	8.4	8.4	8.4	8.4
	-12.6	8.4	8.4	8.4	8.4	8.4	8.4
	-10.5	8.8	8.8	8.8	8.8	8.8	8.8
	-9.5	8.8	8.8	8.8	8.8	8.8	8.8
	-8.5	9.2	9.2	9.2	9.2	9.2	8.8
	-7	9.2	9.2	9.2	9.2	9.2	8.8
	-5	9.7	9.7	9.7	9.7	9.2	9.2
	-3	10.1	9.7	9.7	9.7	9.2	9.2
	0	10.6	10.1	10.1	10.1	9.2	9.2
	3	11.0	10.6	10.6	10.6	9.7	9.2
	5	11.4	11.0	11.0	10.6	9.7	9.2
	7	11.4	11.4	11.0	10.6	9.7	9.2
9	11.4	11.4	11.0	10.6	9.7	9.2	
11	11.9	11.4	11.0	10.6	9.7	9.2	
13	11.9	11.4	11.0	10.6	9.7	9.2	
15	11.9	11.4	11.0	10.6	9.7	9.2	
112	-19.8	9.5	9.5	9.0	9.0	9.0	9.0
	-18.8	9.5	9.5	9.0	9.0	9.0	9.0
	-16.7	9.5	9.5	9.5	9.5	9.5	9.5
	-14.7	9.5	9.5	9.5	9.5	9.5	9.5
	-12.6	9.5	9.5	9.5	9.5	9.5	9.5
	-10.5	10.0	10.0	10.0	10.0	10.0	10.0
	-9.5	10.0	10.0	10.0	10.0	10.0	10.0
	-8.5	10.5	10.5	10.5	10.5	10.5	10.0
	-7	10.5	10.5	10.5	10.5	10.5	10.0
	-5	11.0	11.0	11.0	11.0	10.5	10.5
	-3	11.5	11.0	11.0	11.0	10.5	10.5
	0	12.0	11.5	11.5	11.5	10.5	10.5
	3	12.5	12.0	12.0	12.0	11.0	10.5
	5	13.0	12.5	12.5	12.0	11.0	10.5
	7	13.0	13.0	12.5	12.0	11.0	10.5
9	13.0	13.0	12.5	12.0	11.0	10.5	
11	13.5	13.0	12.5	12.0	11.0	10.5	
13	13.5	13.0	12.5	12.0	11.0	10.5	
15	13.5	13.0	12.5	12.0	11.0	10.5	

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TC: Total capacity;

INDOOR UNIT SIZE	Outdoor temperature (°C DB)	Indoor temperature (DB)					
		16	18	20	21	22	24
		TC	TC	TC	TC	TC	TC
		kW	kW	kW	kW	kW	kW
125	-19.8	10.3	10.3	9.7	9.7	9.7	9.7
	-18.8	10.3	10.3	9.7	9.7	9.7	9.7
	-16.7	10.3	10.3	10.3	10.3	10.3	10.3
	-14.7	10.3	10.3	10.3	10.3	10.3	10.3
	-12.6	10.3	10.3	10.3	10.3	10.3	10.3
	-10.5	10.8	10.8	10.8	10.8	10.8	10.8
	-9.5	10.8	10.8	10.8	10.8	10.8	10.8
	-8.5	11.3	11.3	11.3	11.3	11.3	10.8
	-7	11.3	11.3	11.3	11.3	11.3	10.8
	-5	11.9	11.9	11.9	11.9	11.3	11.3
	-3	12.4	11.9	11.9	11.9	11.3	11.3
	0	13.0	12.4	12.4	12.4	11.3	11.3
	3	13.5	13.0	13.0	13.0	11.9	11.3
	5	14.0	13.5	13.5	13.0	11.9	11.3
	7	14.0	14.0	13.5	13.0	11.9	11.3
9	14.0	14.0	13.5	13.0	11.9	11.3	
11	14.6	14.0	13.5	13.0	11.9	11.3	
13	14.6	14.0	13.5	13.0	11.9	11.3	
15	14.6	14.0	13.5	13.0	11.9	11.3	
140	-19.8	11.4	11.4	10.8	10.8	10.8	10.8
	-18.8	11.4	11.4	10.8	10.8	10.8	10.8
	-16.7	11.4	11.4	11.4	11.4	11.4	11.4
	-14.7	11.4	11.4	11.4	11.4	11.4	11.4
	-12.6	11.4	11.4	11.4	11.4	11.4	11.4
	-10.5	12.0	12.0	12.0	12.0	12.0	12.0
	-9.5	12.0	12.0	12.0	12.0	12.0	12.0
	-8.5	12.6	12.6	12.6	12.6	12.6	12.0
	-7	12.6	12.6	12.6	12.6	12.6	12.0
	-5	13.2	13.2	13.2	13.2	12.6	12.6
	-3	13.8	13.2	13.2	13.2	12.6	12.6
	0	14.4	13.8	13.8	13.8	12.6	12.6
	3	15.0	14.4	14.4	14.4	13.2	12.6
	5	15.6	15.0	15.0	14.4	13.2	12.6
	7	15.6	15.6	15.0	14.4	13.2	12.6
9	15.6	15.6	15.0	14.4	13.2	12.6	
11	16.2	15.6	15.0	14.4	13.2	12.6	
13	16.2	15.6	15.0	14.4	13.2	12.6	
15	16.2	15.6	15.0	14.4	13.2	12.6	
224	-19.8	19.0	19.0	18.0	18.0	18.0	18.0
	-18.8	19.0	19.0	18.0	18.0	18.0	18.0
	-16.7	19.0	19.0	19.0	19.0	19.0	19.0
	-14.7	19.0	19.0	19.0	19.0	19.0	19.0
	-12.6	19.0	19.0	19.0	19.0	19.0	19.0
	-10.5	20.0	20.0	20.0	20.0	20.0	20.0
	-9.5	20.0	20.0	20.0	20.0	20.0	20.0
	-8.5	21.0	21.0	21.0	21.0	21.0	20.0
	-7	21.0	21.0	21.0	21.0	21.0	20.0
	-5	22.0	22.0	22.0	22.0	21.0	21.0
	-3	23.0	22.0	22.0	22.0	21.0	21.0
	0	24.0	23.0	23.0	23.0	21.0	21.0
	3	25.0	24.0	24.0	24.0	22.0	21.0
	5	26.0	25.0	25.0	24.0	22.0	21.0
	7	26.0	26.0	25.0	24.0	22.0	21.0
9	26.0	26.0	25.0	24.0	22.0	21.0	
11	27.0	26.0	25.0	24.0	22.0	21.0	
13	27.0	26.0	25.0	24.0	22.0	21.0	
15	27.0	26.0	25.0	24.0	22.0	21.0	

TC: Total capacity;

INDOOR UNIT SIZE	Outdoor temperature (°C DB)	Indoor temperature (DB)					
		16	18	20	21	22	24
		TC	TC	TC	TC	TC	TC
280	-19.8	23.6	23.6	22.3	22.3	22.3	22.3
	-18.8	23.6	23.6	22.3	22.3	22.3	22.3
	-16.7	23.6	23.6	23.6	23.6	23.6	23.6
	-14.7	23.6	23.6	23.6	23.6	23.6	23.6
	-12.6	23.6	23.6	23.6	23.6	23.6	23.6
	-10.5	24.8	24.8	24.8	24.8	24.8	24.8
	-9.5	24.8	24.8	24.8	24.8	24.8	24.8
	-8.5	26.0	26.0	26.0	26.0	26.0	24.8
	-7	26.0	26.0	26.0	26.0	26.0	24.8
	-5	27.3	27.3	27.3	27.3	26.0	26.0
	-3	28.5	27.3	27.3	27.3	26.0	26.0
	0	29.8	28.5	28.5	28.5	26.0	26.0
	3	31.0	29.8	29.8	29.8	27.3	26.0
	5	32.2	31.0	31.0	29.8	27.3	26.0
	7	32.2	32.2	31.0	29.8	27.3	26.0
9	32.2	32.2	31.0	29.8	27.3	26.0	
11	33.5	32.2	31.0	29.8	27.3	26.0	
13	33.5	32.2	31.0	29.8	27.3	26.0	
15	33.5	32.2	31.0	29.8	27.3	26.0	



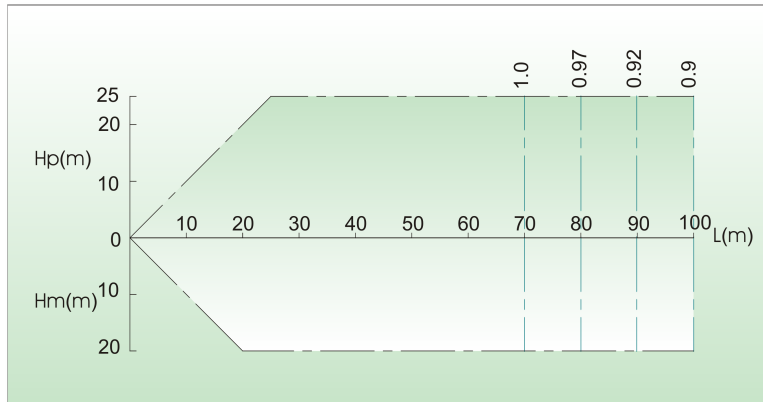
② Connecting Pipe Length and Height Difference Between Indoor and Outdoor Units vs. Capacity Correction Value

◆ Hp: Height Difference Between Indoor and Outdoor Units(Outdoor unit higher)

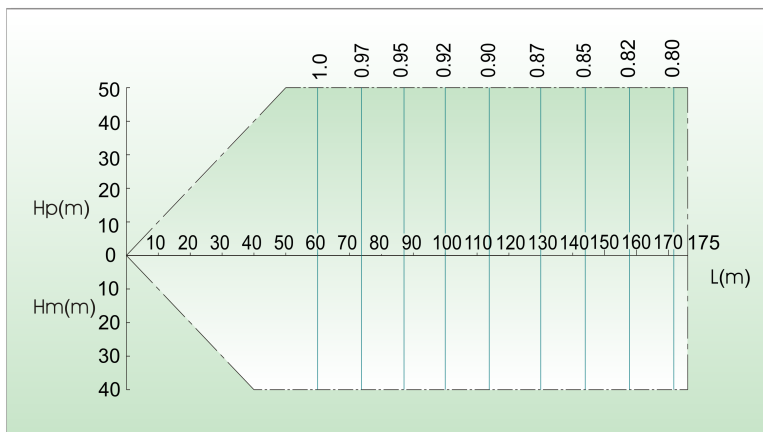
◆ Hm: Height Difference Between Indoor and Outdoor Units(Outdoor unit lower)

◆ L:Equivalent pipe length

GMV-Pd100W/NaB-K,GMV-Pd120W/NaB-K,GMV-Pd140W/NaB-K,GMV-Pd160W/NaB-K



GMV-Pdm224W/NaB-M,GMV-Pdm280W/NaB-M,GMV-Pdm335W/NaB-M,
 GMV-Pdm400W/NaB-M,GMV-Pdm450W/NaB-M,GMV-Pdm504W2/NaB-M,
 GMV-Pdm560W2/NaB-M,GMV-Pdm615W2/NaB-M,GMV-Pdm670W2/NaB-M,
 GMV-Pdm730W2/NaB-M,GMV-Pdm785W2/NaB-M,GMV-Pdm850W2/NaB-M,
 GMV-Pdm900W2/NaB-M,GMV-Pdm950W3/NaB-M,GMV-Pdm1008W3/NaB-M,
 GMV-Pdm1065W3/NaB-M,GMV-Pdm1130W3/NaB-M,GMV-Pdm1180W3/NaB-M,
 GMV-Pdm1235W3/NaB-M,GMV-Pdm1300W3/NaB-M,GMV-Pdm1350W3/NaB-M,
 GMV-Pdm1405W4/NaB-M,GMV-Pdm1456W4/NaB-M,GMV-Pdm1512W4/NaB-M,
 GMV-Pdm1570W4/NaB-M,GMV-Pdm1650W4/NaB-M,GMV-Pdm1700W4/NaB-M,
 GMV-Pdm1750W4/NaB-M,GMV-Pdm1800W4/NaB-M



4.3.2 Cooling/Heating Capacity of Outdoor Unit

1) Cooling Capacity

GMV-Pd100W/NaB-K

Q—Total capacity; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW
130%	10	8.9	0.97	10.5	1.18	12.1	1.41	12.7	1.53	12.8	1.62	13.0	1.87	13.4	1.54
	12	8.9	0.99	10.5	1.21	12.1	1.44	12.5	1.55	12.6	1.68	10.7	1.91	13.2	1.57
	14	8.9	1.01	10.5	1.22	12.1	1.47	12.3	1.57	12.4	1.74	12.7	1.94	13.0	1.59
	15	8.9	1.03	10.5	1.25	11.9	1.50	12.1	1.59	12.2	1.79	12.6	2.02	12.9	1.61
	18	8.9	1.05	10.5	1.27	11.8	1.53	12.0	1.63	12.1	1.88	12.4	2.10	12.6	1.65
	20	8.9	1.08	10.5	1.30	11.6	1.57	11.8	1.72	12.0	1.97	12.2	2.15	12.5	1.74
	21	8.9	1.10	10.5	1.33	11.6	1.60	11.7	1.77	11.8	2.04	12.1	2.21	12.5	1.79
	23	8.9	1.12	10.5	1.38	11.4	1.72	11.6	1.86	11.6	2.08	12.0	2.29	12.4	1.88
	25	8.9	1.16	10.5	1.49	11.2	1.84	11.5	1.98	11.5	2.20	11.8	2.35	12.1	2.00
	27	8.9	1.25	10.5	1.55	11.0	1.94	11.4	2.18	11.2	2.32	11.8	2.47	12.1	2.20
	29	8.9	1.31	10.5	1.73	10.9	2.11	11.2	2.34	11.1	2.46	11.6	2.58	11.8	2.36
	31	8.9	1.43	10.5	1.80	10.7	2.23	11.0	2.50	10.9	2.59	11.3	2.64	11.7	2.52
	33	8.9	1.53	10.3	1.94	10.6	2.39	10.9	2.68	10.7	2.60	11.2	2.76	11.5	2.71
	35	8.9	1.61	10.1	2.05	10.4	2.56	10.7	2.89	10.7	2.89	11.0	2.90	11.4	2.92
	37	8.9	1.69	10.0	2.20	10.2	2.74	10.5	2.99	10.6	2.95	10.9	3.00	11.2	3.02
	39	8.9	1.77	9.8	2.34	10.1	2.91	10.4	3.04	10.4	3.04	10.8	3.11	11.1	3.07
	41	8.9	1.85	9.7	2.40	10.0	2.97	10.3	3.09	10.3	3.11	10.7	3.16	11.0	3.12
	43	8.9	1.92	9.7	2.43	9.9	3.03	10.2	3.15	10.2	3.18	10.5	3.22	10.8	3.18
45	8.9	1.97	9.6	2.47	9.8	3.10	10.1	3.21	10.1	3.21	10.4	3.34	10.7	3.24	
47	8.9	2.01	9.5	2.61	9.6	3.15	10.0	3.26	10.0	3.33	10.3	3.40	10.6	3.30	
48	8.9	2.09	9.5	2.64	9.5	3.22	9.9	3.32	9.9	3.44	10.2	3.48	10.5	3.35	
120%	10	8.1	0.97	9.6	1.18	11.2	1.41	12.0	1.52	12.6	1.61	12.9	1.86	13.2	1.54
	12	8.1	0.99	9.6	1.20	11.2	1.43	12.0	1.55	12.4	1.67	12.7	1.90	13.0	1.56
	14	8.1	1.00	9.6	1.22	11.2	1.46	12.0	1.57	12.2	1.73	12.5	1.94	12.9	1.58
	15	8.1	1.02	9.6	1.25	11.2	1.49	11.9	1.59	12.1	1.79	12.4	2.01	12.7	1.60
	18	8.1	1.04	9.6	1.26	11.2	1.52	11.7	1.63	12.0	1.87	12.2	2.09	12.5	1.64
	20	8.1	1.08	9.6	1.30	11.2	1.57	11.6	1.71	11.7	1.96	12.1	2.14	12.4	1.73
	21	8.1	1.09	9.6	1.32	11.2	1.60	11.5	1.77	11.6	2.03	12.0	2.20	12.3	1.78
	23	8.1	1.11	9.6	1.37	11.2	1.71	11.4	1.86	11.5	2.08	11.8	2.28	12.2	1.87
	25	8.1	1.16	9.6	1.49	11.0	1.84	11.2	1.97	11.3	2.19	11.6	2.34	12.1	1.99
	27	8.1	1.25	9.6	1.55	10.9	1.93	11.0	2.17	11.2	2.31	11.4	2.46	12.0	2.19
	29	8.1	1.30	9.6	1.72	10.7	2.10	10.9	2.33	11.0	2.45	11.2	2.57	11.7	2.35
	31	8.1	1.43	9.6	1.79	10.5	2.22	10.7	2.49	10.9	2.58	11.1	2.63	11.6	2.51
	33	8.1	1.53	9.6	1.93	10.4	2.38	10.5	2.67	10.6	2.59	11.0	2.75	11.4	2.70
	35	8.1	1.61	9.6	2.05	10.2	2.55	10.4	2.88	10.6	2.88	10.9	2.89	11.3	2.91
	37	8.1	1.69	9.6	2.19	10.1	2.73	10.2	2.97	10.4	2.94	10.7	2.99	11.1	3.00
	39	8.1	1.77	9.6	2.33	9.9	2.90	10.0	3.02	10.1	3.03	10.5	3.09	11.0	3.05
	41	8.1	1.85	9.5	2.39	9.8	2.96	9.9	3.08	10.0	3.10	10.4	3.15	10.8	3.11
	43	8.1	1.91	9.4	2.42	9.7	3.02	9.7	3.14	9.8	3.17	10.2	3.21	10.7	3.17
45	8.1	1.96	9.2	2.46	9.5	3.08	9.6	3.19	9.7	3.20	10.1	3.33	10.5	3.23	
47	8.1	2.01	9.1	2.60	9.4	3.14	9.4	3.25	9.6	3.32	9.9	3.38	10.4	3.28	
48	8.1	2.08	9.0	2.63	9.2	3.20	9.3	3.31	9.4	3.43	9.7	3.47	10.2	3.34	
110%	10	7.4	0.96	8.9	1.17	10.3	1.40	11.0	1.52	11.7	1.61	12.6	1.85	12.9	1.53
	12	7.4	0.99	8.9	1.20	10.3	1.43	11.0	1.54	11.7	1.67	12.5	1.89	12.7	1.56
	14	7.4	1.00	8.9	1.21	10.3	1.46	11.0	1.56	11.7	1.72	12.3	1.93	12.6	1.58
	15	7.4	1.02	8.9	1.24	10.3	1.49	11.0	1.58	11.7	1.78	12.1	2.00	12.4	1.60
	18	7.4	1.04	8.9	1.26	10.3	1.52	11.0	1.62	11.7	1.87	12.0	2.08	12.2	1.64
	20	7.4	1.07	8.9	1.29	10.3	1.56	11.0	1.71	11.5	1.95	11.8	2.13	12.1	1.72
	21	7.4	1.09	8.9	1.32	10.3	1.60	11.0	1.76	11.5	2.02	11.7	2.19	12.0	1.78
	23	7.4	1.11	8.9	1.37	10.3	1.71	11.0	1.85	11.2	2.07	11.6	2.28	11.8	1.87
	25	7.4	1.15	8.9	1.48	10.3	1.83	11.0	1.97	11.2	2.18	11.4	2.33	11.7	1.99
	27	7.4	1.24	8.9	1.54	10.3	1.92	10.8	2.16	11.0	2.30	11.2	2.45	11.5	2.19
	29	7.4	1.30	8.9	1.71	10.3	2.09	10.6	2.32	10.9	2.44	11.1	2.56	11.4	2.34
	31	7.4	1.42	8.9	1.78	10.3	2.21	10.5	2.48	10.7	2.57	10.9	2.62	11.2	2.50
	33	7.4	1.52	8.9	1.92	10.2	2.37	10.4	2.66	10.5	2.58	10.8	2.74	11.0	2.69
	35	7.4	1.60	8.9	2.04	10.0	2.54	10.2	2.87	10.3	2.87	10.6	2.88	10.9	2.89
	37	7.4	1.68	8.9	2.18	9.9	2.72	10.0	2.96	10.2	2.93	10.4	2.98	10.7	2.99
	39	7.4	1.76	8.9	2.32	9.7	2.89	9.9	3.01	10.0	3.01	10.3	3.08	10.5	3.04
	41	7.4	1.84	8.7	2.38	9.6	2.95	9.7	3.07	9.9	3.09	10.2	3.14	10.4	3.10
	43	7.4	1.90	8.6	2.41	9.5	3.01	9.6	3.12	9.8	3.16	10.1	3.20	10.3	3.15
45	7.4	1.95	8.5	2.46	9.3	3.07	9.5	3.18	9.6	3.19	10.0	3.31	10.1	3.21	
47	7.4	2.00	8.4	2.59	9.2	3.13	9.4	3.24	9.5	3.30	9.8	3.37	10.0	3.27	
48	7.4	2.07	8.2	2.62	9.1	3.19	9.3	3.30	9.4	3.42	9.7	3.46	9.9	3.33	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pd100W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp. (°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW
100%	10	6.7	0.96	8.0	1.17	9.4	1.40	10.0	1.51	10.6	1.60	12.0	1.85	12.6	1.53
	12	6.7	0.98	8.0	1.19	9.4	1.42	10.0	1.54	10.6	1.66	12.0	1.89	12.4	1.55
	14	6.7	1.00	8.0	1.21	9.4	1.45	10.0	1.56	10.6	1.72	12.0	1.93	12.3	1.57
	15	6.7	1.02	8.0	1.24	9.4	1.48	10.0	1.58	10.6	1.78	11.9	2.00	12.1	1.59
	18	6.7	1.04	8.0	1.25	9.4	1.51	10.0	1.62	10.6	1.86	11.7	2.08	12.0	1.63
	20	6.7	1.07	8.0	1.29	9.4	1.56	10.0	1.70	10.6	1.95	11.6	2.13	11.8	1.72
	21	6.7	1.09	8.0	1.32	9.4	1.60	10.0	1.76	10.6	2.02	11.5	2.18	11.7	1.77
	23	6.7	1.11	8.0	1.36	9.4	1.70	10.0	1.84	10.6	2.06	11.4	2.27	11.5	1.86
	25	6.7	1.15	8.0	1.48	9.4	1.83	10.0	1.96	10.6	2.18	11.2	2.33	11.4	1.98
	27	6.7	1.24	8.0	1.54	9.4	1.92	10.0	2.16	10.6	2.29	11.0	2.44	11.3	2.18
	29	6.7	1.29	8.0	1.71	9.4	2.08	10.0	2.31	10.5	2.44	10.9	2.56	11.1	2.34
	31	6.7	1.42	8.0	1.78	9.4	2.20	10.0	2.47	10.4	2.56	10.7	2.62	10.9	2.50
	33	6.7	1.52	8.0	1.92	9.4	2.37	10.0	2.65	10.2	2.58	10.5	2.73	10.7	2.68
	35	6.7	1.60	8.0	2.03	9.4	2.54	10.0	2.86	10.1	2.87	10.3	2.87	10.6	2.89
	37	6.7	1.68	8.0	2.18	9.4	2.71	9.8	2.96	10.0	2.92	10.2	2.97	10.5	2.99
	39	6.7	1.76	8.0	2.31	9.4	2.88	9.6	3.01	9.7	3.01	10.0	3.08	10.2	3.04
	41	6.7	1.84	8.0	2.37	9.4	2.94	9.6	3.06	9.7	3.08	10.0	3.13	10.2	3.09
	43	6.7	1.90	8.0	2.41	9.4	3.00	9.6	3.12	9.6	3.15	9.9	3.19	10.1	3.15
45	6.7	1.95	8.0	2.45	9.3	3.07	9.5	3.17	9.6	3.18	9.9	3.31	10.0	3.21	
47	6.7	1.99	8.0	2.58	9.2	3.12	9.3	3.23	9.4	3.30	9.7	3.36	9.9	3.26	
48	6.7	2.07	8.0	2.62	9.1	3.18	9.2	3.29	9.3	3.41	9.7	3.45	9.8	3.32	
90%	10	6.1	0.81	7.3	0.98	8.4	1.18	9.0	1.27	9.6	1.35	10.8	1.55	11.9	1.28
	12	6.1	0.83	7.3	1.00	8.4	1.20	9.0	1.29	9.6	1.40	10.8	1.59	11.9	1.31
	14	6.1	0.84	7.3	1.01	8.4	1.22	9.0	1.31	9.6	1.44	10.8	1.62	11.9	1.32
	15	6.1	0.85	7.3	1.04	8.4	1.25	9.0	1.33	9.6	1.49	10.8	1.68	11.9	1.34
	18	6.1	0.87	7.3	1.05	8.4	1.27	9.0	1.36	9.6	1.56	10.8	1.75	1.2	1.37
	20	6.1	0.90	7.3	1.08	8.4	1.31	9.0	1.43	9.6	1.64	10.8	1.79	11.6	1.45
	21	6.1	0.91	7.3	1.11	8.4	1.60	9.0	1.47	9.6	1.70	10.8	1.83	11.5	1.49
	23	6.1	0.93	7.3	1.14	8.4	1.43	9.0	1.55	9.6	1.73	10.8	1.91	11.2	1.56
	25	6.1	0.97	7.3	1.24	8.4	1.53	9.0	1.65	9.6	1.83	10.8	1.96	11.1	1.66
	27	6.1	1.04	7.3	1.29	8.4	1.61	9.0	1.81	9.6	1.93	10.7	2.05	11.0	1.83
	29	6.1	1.09	7.3	1.43	8.4	1.75	9.0	1.94	9.6	2.05	10.7	2.15	10.9	1.96
	31	6.1	1.19	7.3	1.49	8.4	1.85	9.0	2.08	9.6	2.15	10.5	2.20	10.6	2.10
	33	6.1	1.27	7.3	1.61	8.4	1.99	9.0	2.23	9.6	2.17	10.3	2.29	10.5	2.25
	35	6.1	1.34	7.3	1.71	8.4	2.13	9.0	2.40	9.6	2.41	10.1	2.41	10.4	2.43
	37	6.1	1.41	7.3	1.83	8.4	2.28	9.0	2.48	9.6	2.46	9.9	2.50	10.1	2.51
	39	6.1	1.47	7.3	1.94	8.4	2.42	9.0	2.52	9.6	2.53	9.7	2.58	10.0	2.55
	41	6.1	1.54	7.3	1.99	8.4	2.47	9.0	2.57	9.5	2.59	9.6	2.63	9.9	2.60
	43	6.1	1.60	7.3	2.02	8.4	2.52	8.9	2.62	9.4	2.65	9.5	2.68	9.8	2.64
45	6.1	1.64	7.3	2.06	8.4	2.57	8.8	2.67	9.3	2.67	9.4	2.78	9.7	2.69	
47	6.1	1.68	7.3	2.17	8.4	2.62	8.6	2.71	9.2	2.77	9.3	2.82	9.6	2.74	
48	6.1	1.74	7.3	2.20	8.4	2.68	8.6	2.76	9.0	2.86	9.2	2.90	9.4	2.79	
80%	10	5.4	0.68	6.4	0.83	7.5	0.99	8.0	1.07	8.5	1.14	9.6	1.31	10.6	1.08
	12	5.4	0.70	6.4	0.85	7.5	1.01	8.0	1.09	8.5	1.18	9.6	1.34	10.6	1.10
	14	5.4	0.71	6.4	0.86	7.5	1.03	8.0	1.11	8.5	1.22	9.6	1.37	10.6	1.12
	15	5.4	0.72	6.4	0.88	7.5	1.05	8.0	1.12	8.5	1.26	9.6	1.42	10.6	1.13
	18	5.4	0.74	6.4	0.89	7.5	1.07	8.0	1.15	8.5	1.32	9.6	1.48	10.6	1.16
	20	5.4	0.76	6.4	0.92	7.5	1.11	8.0	1.21	8.5	1.38	9.6	1.51	10.6	1.22
	21	5.4	0.77	6.4	0.93	7.5	1.60	8.0	1.25	8.5	1.43	9.6	1.55	10.6	1.26
	23	5.4	0.79	6.4	0.97	7.5	1.21	8.0	1.31	8.5	1.46	9.6	1.61	10.6	1.32
	25	5.4	0.82	6.4	1.05	7.5	1.30	8.0	1.39	8.5	1.55	9.6	1.65	10.6	1.41
	27	5.4	0.88	6.4	1.09	7.5	1.36	8.0	1.53	8.5	1.63	9.6	1.73	10.6	1.55
	29	5.4	0.92	6.4	1.21	7.5	1.48	8.0	1.64	8.5	1.73	9.6	1.82	10.6	1.66
	31	5.4	1.01	6.4	1.26	7.5	1.57	8.0	1.76	8.5	1.82	9.6	1.86	10.6	1.77
	33	5.4	1.08	6.4	1.36	7.5	1.68	8.0	1.88	8.5	1.83	9.6	1.94	10.6	1.90
	35	5.4	1.13	6.4	1.44	7.5	1.80	8.0	2.03	8.5	2.03	9.6	2.04	10.6	2.05
	37	5.4	1.19	6.4	1.55	7.5	1.93	8.0	2.10	8.5	2.08	9.6	2.11	10.6	2.12
	39	5.4	1.25	6.4	1.64	7.5	2.05	8.0	2.13	8.5	2.14	9.6	2.18	10.6	2.16
	41	5.4	1.30	6.4	1.69	7.5	2.09	8.0	2.17	8.5	2.19	9.5	2.22	10.5	2.19
	43	5.4	1.35	6.4	1.71	7.5	2.13	8.0	2.21	8.4	2.24	9.4	2.27	10.3	2.24
45	5.4	1.38	6.4	1.74	7.5	2.18	7.9	2.25	8.4	2.26	9.2	2.35	10.2	2.28	
47	5.4	1.42	6.4	1.83	7.5	2.22	7.7	2.29	8.2	2.34	9.1	2.39	10.1	2.32	
48	5.4	1.47	6.4	1.86	7.5	2.26	7.6	2.34	8.1	2.42	9.0	2.45	9.9	2.36	

GMV-Pd100W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp. (°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
70%	10	4.7	0.56	5.6	0.68	6.6	0.81	7.0	0.88	7.4	0.93	8.4	1.07	9.3	0.89
	12	4.7	0.57	5.6	0.69	6.6	0.83	7.0	0.89	7.4	0.96	8.4	1.10	9.3	0.90
	14	4.7	0.58	5.6	0.70	6.6	0.84	7.0	0.90	7.4	1.00	8.4	1.12	9.3	0.91
	15	4.7	0.59	5.6	0.72	6.6	0.86	7.0	0.92	7.4	1.03	8.4	1.16	9.3	0.92
	18	4.7	0.60	5.6	0.73	6.6	0.88	7.0	0.94	7.4	1.08	8.4	1.21	9.3	0.95
	20	4.7	0.62	5.6	0.75	6.6	0.90	7.0	0.99	7.4	1.13	8.4	1.23	9.3	1.00
	21	4.7	0.63	5.6	0.76	6.6	1.60	7.0	1.02	7.4	1.17	8.4	1.27	9.3	1.03
	23	4.7	0.64	5.6	0.79	6.6	0.99	7.0	1.07	7.4	1.20	8.4	1.32	9.3	1.08
	25	4.7	0.67	5.6	0.86	6.6	1.06	7.0	1.14	7.4	1.26	8.4	1.35	9.3	1.15
	27	4.7	0.72	5.6	0.89	6.6	1.11	7.0	1.25	7.4	1.33	8.4	1.42	9.3	1.26
	29	4.7	0.75	5.6	0.99	6.6	1.21	7.0	1.34	7.4	1.41	8.4	1.48	9.3	1.36
	31	4.7	0.82	5.6	1.03	6.6	1.28	7.0	1.43	7.4	1.49	8.4	1.52	9.3	1.45
	33	4.7	0.88	5.6	1.11	6.6	1.37	7.0	1.54	7.4	1.50	8.4	1.58	9.3	1.55
	35	4.7	0.93	5.6	1.18	6.6	1.47	7.0	1.66	7.4	1.66	8.4	1.67	9.3	1.68
	37	4.7	0.97	5.6	1.26	6.6	1.57	7.0	1.72	7.4	1.70	8.4	1.72	9.3	1.73
	39	4.7	1.02	5.6	1.34	6.6	1.67	7.0	1.74	7.4	1.75	8.4	1.78	9.3	1.76
	41	4.7	1.06	5.6	1.38	6.6	1.71	7.0	1.77	7.4	1.79	8.4	1.82	9.3	1.79
	43	4.7	1.10	5.6	1.40	6.6	1.74	7.0	1.81	7.4	1.83	8.4	1.85	9.3	1.83
45	4.7	1.13	5.6	1.42	6.6	1.78	7.0	1.84	7.4	1.84	8.4	1.92	9.3	1.86	
47	4.7	1.16	5.6	1.50	6.6	1.81	7.0	1.87	7.4	1.91	8.4	1.95	9.3	1.89	
48	4.7	1.20	5.6	1.52	6.6	1.85	7.0	1.91	7.4	1.98	8.4	2.00	9.3	1.93	
60%	10	4.0	0.46	4.9	0.56	5.6	0.67	6.0	0.73	6.4	0.77	7.2	0.89	8.0	0.74
	12	4.0	0.47	4.9	0.58	5.6	0.69	6.0	0.74	6.4	0.80	7.2	0.91	8.0	0.75
	14	4.0	0.48	4.9	0.58	5.6	0.70	6.0	0.75	6.4	0.83	7.2	0.93	8.0	0.76
	15	4.0	0.49	4.9	0.60	5.6	0.71	6.0	0.76	6.4	0.86	7.2	0.96	8.0	0.77
	18	4.0	0.50	4.9	0.60	5.6	0.73	6.0	0.78	6.4	0.90	7.2	1.00	8.0	0.79
	20	4.0	0.52	4.9	0.62	5.6	0.75	6.0	0.82	6.4	0.94	7.2	1.03	8.0	0.83
	21	4.0	0.52	4.9	0.63	5.6	1.60	6.0	0.85	6.4	0.97	7.2	1.05	8.0	0.85
	23	4.0	0.53	4.9	0.66	5.6	0.82	6.0	0.89	6.4	0.99	7.2	1.09	8.0	0.90
	25	4.0	0.55	4.9	0.71	5.6	0.88	6.0	0.95	6.4	1.05	7.2	1.12	8.0	0.96
	27	4.0	0.60	4.9	0.74	5.6	0.93	6.0	1.04	6.4	1.10	7.2	1.18	8.0	1.05
	29	4.0	0.62	4.9	0.82	5.6	1.00	6.0	1.12	6.4	1.17	7.2	1.23	8.0	1.13
	31	4.0	0.68	4.9	0.86	5.6	1.06	6.0	1.19	6.4	1.24	7.2	1.26	8.0	1.20
	33	4.0	0.73	4.9	0.93	5.6	1.14	6.0	1.28	6.4	1.24	7.2	1.32	8.0	1.29
	35	4.0	0.77	4.9	0.98	5.6	1.22	6.0	1.38	6.4	1.38	7.2	1.39	8.0	1.39
	37	4.0	0.81	4.9	1.05	5.6	1.31	6.0	1.43	6.4	1.41	7.2	1.43	8.0	1.44
	39	4.0	0.85	4.9	1.12	5.6	1.39	6.0	1.45	6.4	1.45	7.2	1.48	8.0	1.46
	41	4.0	0.88	4.9	1.14	5.6	1.42	6.0	1.47	6.4	1.48	7.2	1.51	8.0	1.49
	43	4.0	0.92	4.9	1.16	5.6	1.45	6.0	1.50	6.4	1.52	7.2	1.54	8.0	1.52
45	4.0	0.94	4.9	1.18	5.6	1.48	6.0	1.53	6.4	1.53	7.2	1.59	8.0	1.55	
47	4.0	0.96	4.9	1.24	5.6	1.51	6.0	1.56	6.4	1.59	7.2	1.62	8.0	1.57	
48	4.0	1.00	4.9	1.26	5.6	1.53	6.0	1.59	6.4	1.64	7.2	1.66	8.0	1.60	
50%	10	3.4	0.37	4.0	0.45	4.7	0.53	5.0	0.57	5.5	0.61	6.0	0.70	6.6	0.58
	12	3.4	0.37	4.0	0.45	4.7	0.54	5.0	0.58	5.5	0.63	6.0	0.72	6.6	0.59
	14	3.4	0.38	4.0	0.46	4.7	0.55	5.0	0.59	5.5	0.65	6.0	0.73	6.6	0.60
	15	3.4	0.39	4.0	0.47	4.7	0.56	5.0	0.60	5.5	0.68	6.0	0.76	6.6	0.61
	18	3.4	0.39	4.0	0.48	4.7	0.58	5.0	0.62	5.5	0.71	6.0	0.79	6.6	0.62
	20	3.4	0.41	4.0	0.49	4.7	0.59	5.0	0.65	5.5	0.74	6.0	0.81	6.6	0.65
	21	3.4	0.41	4.0	0.50	4.7	1.60	5.0	0.67	5.5	0.77	6.0	0.83	6.6	0.67
	23	3.4	0.42	4.0	0.52	4.7	0.65	5.0	0.70	5.5	0.78	6.0	0.86	6.6	0.71
	25	3.4	0.44	4.0	0.56	4.7	0.69	5.0	0.75	5.5	0.83	6.0	0.88	6.6	0.75
	27	3.4	0.47	4.0	0.58	4.7	0.73	5.0	0.82	5.5	0.87	6.0	0.93	6.6	0.83
	29	3.4	0.49	4.0	0.65	4.7	0.79	5.0	0.88	5.5	0.93	6.0	0.97	6.6	0.89
	31	3.4	0.54	4.0	0.68	4.7	0.84	5.0	0.94	5.5	0.97	6.0	0.99	6.6	0.95
	33	3.4	0.58	4.0	0.73	4.7	0.90	5.0	1.01	5.5	0.98	6.0	1.04	6.6	1.02
	35	3.4	0.61	4.0	0.77	4.7	0.97	5.0	1.09	5.5	1.09	6.0	1.09	6.6	1.10
	37	3.4	0.64	4.0	0.83	4.7	1.03	5.0	1.12	5.5	1.11	6.0	1.13	6.6	1.13
	39	3.4	0.67	4.0	0.88	4.7	1.10	5.0	1.14	5.5	1.14	6.0	1.17	6.6	1.15
	41	3.4	0.70	4.0	0.90	4.7	1.12	5.0	1.16	5.5	1.17	6.0	1.19	6.6	1.17
	43	3.4	0.72	4.0	0.91	4.7	1.14	5.0	1.18	5.5	1.20	6.0	1.21	6.6	1.20
45	3.4	0.74	4.0	0.93	4.7	1.16	5.0	1.21	5.5	1.21	6.0	1.26	6.6	1.22	
47	3.4	0.76	4.0	0.98	4.7	1.19	5.0	1.23	5.5	1.25	6.0	1.28	6.6	1.24	
48	3.4	0.79	4.0	0.99	4.7	1.21	5.0	1.25	5.5	1.30	6.0	1.31	6.6	1.26	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pd120W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp. (°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	10.6	1.19	12.6	1.45	14.6	1.73	15.3	1.87	15.4	1.98	15.6	2.28	16.0	1.89
	12	10.6	1.22	12.6	1.48	14.6	1.76	15.0	1.90	15.2	2.05	12.9	2.34	15.9	1.92
	14	10.6	1.23	12.6	1.49	14.5	1.80	14.8	1.93	14.8	2.13	15.3	2.38	15.6	1.95
	15	10.6	1.26	12.6	1.53	14.3	1.83	14.6	1.95	14.7	2.20	15.1	2.47	15.4	1.97
	18	10.6	1.28	12.6	1.55	14.1	1.87	14.4	2.00	14.5	2.30	14.9	2.57	15.2	2.02
	20	10.6	1.32	12.6	1.59	14.0	1.93	14.2	2.11	14.4	2.41	14.7	2.63	15.0	2.13
	21	10.6	1.35	12.6	1.63	13.9	1.95	14.1	2.17	14.1	2.50	14.6	2.70	15.0	2.19
	23	10.6	1.37	12.6	1.68	13.7	2.11	14.0	2.28	14.0	2.55	14.4	2.81	14.8	2.30
	25	10.6	1.42	12.6	1.83	13.5	2.26	13.8	2.42	13.8	2.69	14.2	2.88	14.6	2.45
	27	10.6	1.53	12.6	1.90	13.2	2.37	13.6	2.67	13.5	2.83	14.1	3.02	14.5	2.70
	29	10.6	1.60	12.6	2.11	13.1	2.58	13.5	2.86	13.3	3.01	13.9	3.16	14.2	2.89
	31	10.6	1.76	12.6	2.20	12.9	2.72	13.2	3.06	13.1	3.17	13.6	3.23	14.1	3.09
	33	10.6	1.87	12.3	2.37	12.8	2.93	13.1	3.28	12.9	3.19	13.5	3.37	13.8	3.31
	35	10.6	1.97	12.2	2.51	12.4	3.14	12.9	3.53	12.9	3.54	13.2	3.55	13.7	3.57
	37	10.6	2.07	12.0	2.69	12.3	3.36	12.6	3.65	12.7	3.61	13.1	3.67	13.5	3.69
	39	10.6	2.17	11.8	2.86	12.1	3.56	12.4	3.72	12.5	3.72	12.9	3.80	13.3	3.75
	41	10.6	2.27	11.7	2.94	12.0	3.64	12.3	3.78	12.4	3.81	12.8	3.87	13.2	3.82
	43	10.6	2.35	11.6	2.97	11.8	3.71	12.2	3.85	12.3	3.90	12.7	3.94	13.0	3.89
45	10.6	2.41	11.5	3.03	11.7	3.79	12.1	3.92	12.1	3.93	12.5	4.09	12.9	3.96	
47	10.6	2.47	11.4	3.19	11.6	3.86	12.0	3.99	12.0	4.07	12.4	4.16	12.8	4.03	
48	10.6	2.55	11.4	3.23	11.4	3.94	11.9	4.07	11.9	4.21	12.2	4.26	12.6	4.11	
120%	10	9.8	1.18	11.6	1.44	13.5	1.72	14.4	1.86	15.1	1.98	15.5	2.28	15.8	1.88
	12	9.8	1.21	11.6	1.47	13.5	1.75	14.4	1.89	14.9	2.05	15.3	2.33	15.6	1.91
	14	9.8	1.23	11.6	1.49	13.5	1.79	14.4	1.92	14.7	2.12	15.0	2.37	15.4	1.94
	15	9.8	1.25	11.6	1.52	13.5	1.83	14.3	1.94	14.5	2.19	14.9	2.46	15.2	1.96
	18	9.8	1.28	11.6	1.54	13.5	1.86	14.1	1.99	14.4	2.29	14.7	2.56	15.0	2.01
	20	9.8	1.32	11.6	1.59	13.5	1.92	13.9	2.10	14.1	2.40	14.5	2.62	14.8	2.12
	21	9.8	1.34	11.6	1.62	13.5	1.95	13.8	2.16	13.9	2.49	14.4	2.69	14.7	2.18
	23	9.8	1.36	11.6	1.68	13.5	2.10	13.6	2.27	13.8	2.54	14.1	2.80	14.7	2.29
	25	9.8	1.41	11.6	1.82	13.2	2.25	13.4	2.42	13.5	2.68	14.0	2.87	14.5	2.44
	27	9.8	1.53	11.6	1.89	13.0	2.36	13.2	2.66	13.5	2.82	13.7	3.01	14.4	2.68
	29	9.8	1.59	11.6	2.10	12.9	2.57	13.0	2.85	13.2	3.00	13.5	3.15	14.1	2.88
	31	9.8	1.75	11.6	2.19	12.6	2.71	12.9	3.05	13.1	3.16	13.4	3.22	14.0	3.08
	33	9.8	1.87	11.6	2.36	12.5	2.92	12.6	3.27	12.8	3.18	13.2	3.36	13.7	3.30
	35	9.8	1.96	11.6	2.50	12.3	3.13	12.4	3.52	12.7	3.53	13.0	3.54	13.5	3.56
	37	9.8	2.06	11.6	2.68	12.1	3.34	12.3	3.64	12.4	3.60	12.8	3.66	13.4	3.68
	39	9.8	2.16	11.5	2.85	11.9	3.55	12.0	3.70	12.2	3.70	12.6	3.79	13.2	3.74
	41	9.8	2.26	11.4	2.92	11.8	3.62	11.9	3.77	12.0	3.79	12.5	3.86	13.0	3.80
	43	9.8	2.34	11.2	2.96	11.6	3.70	11.7	3.84	11.8	3.88	12.3	3.93	12.8	3.88
45	9.8	2.40	11.1	3.02	11.4	3.77	11.5	3.91	11.6	3.92	12.1	4.07	12.6	3.95	
47	9.8	2.46	10.9	3.18	11.3	3.85	11.3	3.98	11.5	4.06	11.9	4.14	12.5	4.02	
48	9.8	2.54	10.8	3.22	11.1	3.92	11.2	4.05	11.3	4.20	11.7	4.25	12.3	4.09	
110%	10	8.9	1.18	10.6	1.44	12.3	1.72	13.2	1.86	14.1	1.97	15.2	2.27	15.5	1.87
	12	8.9	1.21	10.6	1.46	12.3	1.75	13.2	1.89	14.1	2.04	15.0	2.32	15.3	1.91
	14	8.9	1.22	10.6	1.48	12.3	1.78	13.2	1.91	14.1	2.11	14.7	2.36	15.1	1.93
	15	8.9	1.25	10.6	1.52	12.3	1.82	13.2	1.94	14.1	2.18	14.6	2.45	14.8	1.96
	18	8.9	1.27	10.6	1.54	12.3	1.86	13.2	1.98	14.1	2.28	14.4	2.55	14.7	2.00
	20	8.9	1.31	10.6	1.58	12.3	1.91	13.2	2.09	13.8	2.39	14.2	2.61	14.5	2.11
	21	8.9	1.33	10.6	1.61	12.3	1.95	13.2	2.15	13.8	2.48	14.1	2.68	14.4	2.17
	23	8.9	1.36	10.6	1.67	12.3	2.09	13.2	2.26	13.5	2.53	13.9	2.78	14.2	2.28
	25	8.9	1.41	10.6	1.81	12.3	2.24	13.2	2.41	13.4	2.67	13.7	2.85	14.1	2.43
	27	8.9	1.52	10.6	1.89	12.3	2.35	13.0	2.65	13.2	2.81	13.5	3.00	13.8	2.67
	29	8.9	1.59	10.6	2.09	12.3	2.56	12.8	2.84	13.1	2.99	13.3	3.14	13.7	2.87
	31	8.9	1.74	10.6	2.18	12.3	2.70	12.6	3.03	12.8	3.14	13.1	3.21	13.5	3.06
	33	8.9	1.86	10.6	2.35	12.3	2.91	12.4	3.25	12.6	3.16	12.9	3.35	13.2	3.29
	35	8.9	1.96	10.6	2.49	12.0	3.11	12.2	3.51	12.4	3.51	12.7	3.52	13.0	3.54
	37	8.9	2.05	10.6	2.67	11.8	3.33	12.0	3.63	12.3	3.58	12.5	3.64	12.8	3.66
	39	8.9	2.15	10.6	2.84	11.7	3.53	11.8	3.69	12.0	3.69	12.4	3.77	12.6	3.72
	41	8.9	2.25	10.5	2.91	11.5	3.61	11.7	3.75	11.9	3.78	12.2	3.84	12.5	3.79
	43	8.9	2.33	10.3	2.95	11.4	3.68	11.6	3.82	11.7	3.87	12.1	3.91	12.3	3.86
45	8.9	2.39	10.2	3.00	11.2	3.76	11.4	3.89	11.6	3.90	11.9	4.05	12.2	3.93	
47	8.9	2.45	10.0	3.17	11.1	3.83	11.3	3.96	11.4	4.04	11.8	4.12	12.0	4.00	
48	8.9	2.53	9.9	3.21	10.9	3.91	11.2	4.03	11.3	4.18	11.7	4.23	11.9	4.07	

GMV-Pd120W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp. (°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW
100%	10	8.1	1.18	9.6	1.43	11.3	1.71	12.0	1.85	12.7	1.96	14.4	2.26	15.2	1.87
	12	8.1	1.20	9.6	1.46	11.3	1.74	12.0	1.88	12.7	2.03	14.4	2.31	14.9	1.90
	14	8.1	1.22	9.6	1.48	11.3	1.78	12.0	1.91	12.7	2.10	14.4	2.36	14.8	1.93
	15	8.1	1.24	9.6	1.52	11.3	1.81	12.0	1.93	12.7	2.17	14.3	2.44	14.6	1.95
	18	8.1	1.27	9.6	1.54	11.3	1.85	12.0	1.98	12.7	2.28	14.1	2.54	14.4	2.00
	20	8.1	1.31	9.6	1.58	11.3	1.91	12.0	2.09	12.7	2.38	13.9	2.60	14.1	2.11
	21	8.1	1.33	9.6	1.61	11.3	1.95	12.0	2.15	12.7	2.47	13.8	2.67	14.1	2.17
	23	8.1	1.36	9.6	1.67	11.3	2.09	12.0	2.26	12.7	2.52	13.6	2.78	13.8	2.28
	25	8.1	1.41	9.6	1.81	11.3	2.23	12.0	2.40	12.7	2.67	13.4	2.85	13.7	2.42
	27	8.1	1.52	9.6	1.88	11.3	2.35	12.0	2.64	12.7	2.81	13.2	2.99	13.5	2.67
	29	8.1	1.58	9.6	2.09	11.3	2.55	12.0	2.83	12.6	2.98	13.0	3.13	13.3	2.86
	31	8.1	1.74	9.6	2.18	11.3	2.70	12.0	3.03	12.5	3.14	12.8	3.20	13.1	3.06
	33	8.1	1.86	9.6	2.35	11.3	2.90	12.0	3.25	12.3	3.16	12.6	3.34	12.9	3.28
	35	8.1	1.95	9.6	2.49	11.3	3.11	12.0	3.50	12.1	3.51	12.4	3.52	12.8	3.53
	37	8.1	2.05	9.6	2.67	11.3	3.32	11.7	3.62	12.0	3.58	12.3	3.64	12.6	3.65
	39	8.1	2.15	9.6	2.83	11.3	3.53	11.6	3.68	11.7	3.68	12.0	3.76	12.3	3.72
	41	8.1	2.25	9.6	2.91	11.3	3.60	11.6	3.74	11.7	3.77	12.0	3.83	12.2	3.78
	43	8.1	2.33	9.6	2.94	11.3	3.68	11.6	3.81	11.6	3.86	11.9	3.90	12.1	3.85
45	8.1	2.38	9.6	3.00	11.1	3.75	11.4	3.88	11.5	3.89	11.8	4.04	12.0	3.92	
47	8.1	2.44	9.6	3.16	11.1	3.82	11.1	3.95	11.3	4.03	11.7	4.12	11.8	3.99	
48	8.1	2.53	9.6	3.20	10.9	3.90	11.1	4.02	11.2	4.17	11.6	4.22	11.7	4.07	
90%	10	7.3	0.99	8.7	1.20	10.1	1.44	10.8	1.56	11.5	1.65	12.9	1.90	14.3	1.57
	12	7.3	1.01	8.7	1.23	10.1	1.46	10.8	1.58	11.5	1.71	12.9	1.94	14.2	1.60
	14	7.3	1.03	8.7	1.24	10.1	1.49	10.8	1.60	11.5	1.77	12.9	1.98	14.2	1.62
	15	7.3	1.04	8.7	1.27	10.1	1.52	10.8	1.62	11.5	1.83	12.9	2.05	14.2	1.64
	18	7.3	1.07	8.7	1.29	10.1	1.56	10.8	1.66	11.5	1.91	12.9	2.14	1.4	1.68
	20	7.3	1.10	8.7	1.33	10.1	1.60	10.8	1.75	11.5	2.00	12.9	2.19	13.9	1.77
	21	7.3	1.12	8.7	1.35	10.1	1.95	10.8	1.81	11.5	2.08	12.9	2.25	13.8	1.82
	23	7.3	1.14	8.7	1.40	10.1	1.75	10.8	1.90	11.5	2.12	12.9	2.33	13.5	1.92
	25	7.3	1.18	8.7	1.52	10.1	1.88	10.8	2.02	11.5	2.24	12.9	2.39	13.3	2.04
	27	7.3	1.27	8.7	1.58	10.1	1.97	10.8	2.22	11.5	2.36	12.9	2.51	13.2	2.24
	29	7.3	1.33	8.7	1.76	10.1	2.14	10.8	2.38	11.5	2.50	12.8	2.63	13.0	2.40
	31	7.3	1.46	8.7	1.83	10.1	2.27	10.8	2.54	11.5	2.64	12.6	2.69	12.8	2.57
	33	7.3	1.56	8.7	1.97	10.1	2.44	10.8	2.73	11.5	2.65	12.3	2.81	12.6	2.76
	35	7.3	1.64	8.7	2.09	10.1	2.61	10.8	2.94	11.5	2.95	12.1	2.95	12.4	2.97
	37	7.3	1.72	8.7	2.24	10.1	2.79	10.8	3.04	11.5	3.00	11.8	3.05	12.2	3.07
	39	7.3	1.80	8.7	2.38	10.1	2.96	10.8	3.09	11.5	3.09	11.7	3.16	12.0	3.12
	41	7.3	1.89	8.7	2.44	10.1	3.03	10.8	3.15	11.4	3.17	11.6	3.22	11.9	3.18
	43	7.3	1.95	8.7	2.47	10.1	3.09	10.7	3.20	11.3	3.24	11.4	3.28	11.7	3.24
45	7.3	2.00	8.7	2.52	10.1	3.15	10.5	3.26	11.2	3.27	11.3	3.40	11.6	3.30	
47	7.3	2.05	8.7	2.65	10.1	3.21	10.4	3.32	11.0	3.39	11.2	3.46	11.5	3.36	
48	7.3	2.12	8.7	2.69	10.1	3.27	10.3	3.38	10.8	3.51	11.0	3.55	11.3	3.41	
80%	10	6.5	0.83	7.7	1.02	9.0	1.22	9.6	1.31	10.2	1.39	11.5	1.61	12.8	1.33
	12	6.4	0.86	7.7	1.04	9.0	1.24	9.6	1.34	10.2	1.44	11.5	1.64	12.7	1.35
	14	6.4	0.87	7.7	1.05	9.0	1.26	9.6	1.35	10.2	1.49	11.5	1.67	12.7	1.37
	15	6.4	0.88	7.7	1.08	9.0	1.29	9.6	1.37	10.2	1.54	11.5	1.74	12.7	1.39
	18	6.4	0.90	7.7	1.09	9.0	1.32	9.6	1.41	10.2	1.62	11.5	1.81	12.7	1.42
	20	6.4	0.93	7.7	1.12	9.0	1.35	9.6	1.48	10.2	1.69	11.5	1.85	12.7	1.50
	21	6.4	0.95	7.7	1.14	9.0	1.95	9.6	1.53	10.2	1.76	11.5	1.90	12.7	1.54
	23	6.4	0.96	7.7	1.18	9.0	1.48	9.6	1.60	10.2	1.79	11.5	1.97	12.7	1.62
	25	6.4	1.00	7.7	1.28	9.0	1.59	9.6	1.70	10.2	1.89	11.5	2.02	12.7	1.72
	27	6.4	1.08	7.7	1.34	9.0	1.67	9.6	1.88	10.2	1.99	11.5	2.12	12.7	1.89
	29	6.4	1.12	7.7	1.48	9.0	1.81	9.6	2.01	10.2	2.12	11.5	2.22	12.7	2.03
	31	6.4	1.23	7.7	1.55	9.0	1.92	9.6	2.15	10.2	2.23	11.5	2.27	12.7	2.17
	33	6.4	1.32	7.7	1.67	9.0	2.06	9.6	2.31	10.2	2.24	11.5	2.37	12.7	2.33
	35	6.4	1.39	7.7	1.77	9.0	2.21	9.6	2.48	10.2	2.49	11.5	2.50	12.7	2.51
	37	6.4	1.46	7.7	1.89	9.0	2.36	9.6	2.57	10.2	2.54	11.5	2.58	12.7	2.60
	39	6.4	1.53	7.7	2.01	9.0	2.50	9.6	2.61	10.2	2.61	11.5	2.67	12.7	2.64
	41	6.4	1.59	7.7	2.06	9.0	2.56	9.6	2.66	10.2	2.68	11.4	2.72	12.6	2.69
	43	6.4	1.65	7.7	2.09	9.0	2.61	9.6	2.71	10.1	2.74	11.2	2.77	12.4	2.74
45	6.4	1.69	7.7	2.13	9.0	2.66	9.4	2.76	10.0	2.76	11.1	2.87	12.2	2.79	
47	6.4	1.73	7.7	2.24	9.0	2.71	9.3	2.81	9.9	2.86	10.9	2.92	12.1	2.84	
48	6.4	1.80	7.7	2.27	9.0	2.77	9.2	2.86	9.7	2.96	10.8	3.00	11.9	2.89	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pd120W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp. (°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW
70%	10	5.7	0.68	6.7	0.83	7.9	0.99	8.4	1.07	8.9	1.14	10.0	1.31	11.2	1.08
	12	5.7	0.70	6.7	0.85	7.9	1.01	8.4	1.09	8.9	1.18	10.0	1.34	11.2	1.10
	14	5.7	0.71	6.7	0.86	7.9	1.03	8.4	1.11	8.9	1.22	10.0	1.37	11.2	1.12
	15	5.7	0.72	6.7	0.88	7.9	1.05	8.4	1.12	8.9	1.26	10.0	1.42	11.2	1.13
	18	5.7	0.74	6.7	0.89	7.9	1.07	8.4	1.15	8.9	1.32	10.0	1.47	11.2	1.16
	20	5.7	0.76	6.7	0.92	7.9	1.11	8.4	1.21	8.9	1.38	10.0	1.51	11.2	1.22
	21	5.7	0.77	6.7	0.93	7.9	1.15	8.4	1.25	8.9	1.43	10.0	1.55	11.2	1.26
	23	5.7	0.79	6.7	0.97	7.9	1.21	8.4	1.31	8.9	1.46	10.0	1.61	11.2	1.32
	25	5.7	0.82	6.7	1.05	7.9	1.30	8.4	1.39	8.9	1.55	10.0	1.65	11.2	1.41
	27	5.7	0.88	6.7	1.09	7.9	1.36	8.4	1.53	8.9	1.63	10.0	1.73	11.2	1.55
	29	5.7	0.92	6.7	1.21	7.9	1.48	8.4	1.64	8.9	1.73	10.0	1.82	11.2	1.66
	31	5.7	1.01	6.7	1.26	7.9	1.56	8.4	1.76	8.9	1.82	10.0	1.86	11.2	1.77
	33	5.7	1.08	6.7	1.36	7.9	1.68	8.4	1.88	8.9	1.83	10.0	1.94	11.2	1.90
	35	5.7	1.13	6.7	1.44	7.9	1.80	8.4	2.03	8.9	2.03	10.0	2.04	11.2	2.05
	37	5.7	1.19	6.7	1.55	7.9	1.93	8.4	2.10	8.9	2.07	10.0	2.11	11.2	2.12
	39	5.7	1.25	6.7	1.64	7.9	2.05	8.4	2.13	8.9	2.14	10.0	2.18	11.2	2.15
	41	5.7	1.30	6.7	1.69	7.9	2.09	8.4	2.17	8.9	2.19	10.0	2.22	11.2	2.19
43	5.7	1.35	6.7	1.71	7.9	2.13	8.4	2.21	8.9	2.24	10.0	2.26	11.2	2.23	
45	5.7	1.38	6.7	1.74	7.9	2.18	8.4	2.25	8.9	2.26	10.0	2.35	11.2	2.28	
47	5.7	1.42	6.7	1.83	7.9	2.22	8.4	2.29	8.9	2.34	10.0	2.39	11.2	2.32	
48	5.7	1.47	6.7	1.86	7.9	2.26	8.4	2.33	8.9	2.42	10.0	2.45	11.2	2.36	
60%	10	4.8	0.57	5.8	0.69	6.8	0.83	7.2	0.89	7.7	0.95	8.6	1.09	9.6	0.90
	12	4.8	0.58	5.8	0.70	6.8	0.84	7.2	0.91	7.7	0.98	8.6	1.12	9.6	0.92
	14	4.8	0.59	5.8	0.71	6.8	0.86	7.2	0.92	7.7	1.01	8.6	1.14	9.6	0.93
	15	4.8	0.60	5.8	0.73	6.8	0.87	7.2	0.93	7.7	1.05	8.6	1.18	9.6	0.94
	18	4.8	0.61	5.8	0.74	6.8	0.89	7.2	0.95	7.7	1.10	8.6	1.23	9.6	0.96
	20	4.8	0.63	5.8	0.76	6.8	0.92	7.2	1.01	7.7	1.15	8.6	1.25	9.6	1.02
	21	4.8	0.64	5.8	0.78	6.8	1.05	7.2	1.04	7.7	1.19	8.6	1.29	9.6	1.05
	23	4.8	0.65	5.8	0.80	6.8	1.01	7.2	1.09	7.7	1.22	8.6	1.34	9.6	1.10
	25	4.8	0.68	5.8	0.87	6.8	1.08	7.2	1.16	7.7	1.28	8.6	1.37	9.6	1.17
	27	4.8	0.73	5.8	0.91	6.8	1.13	7.2	1.27	7.7	1.35	8.6	1.44	9.6	1.29
	29	4.8	0.76	5.8	1.01	6.8	1.23	7.2	1.36	7.7	1.44	8.6	1.51	9.6	1.38
	31	4.8	0.84	5.8	1.05	6.8	1.30	7.2	1.46	7.7	1.51	8.6	1.54	9.6	1.47
	33	4.8	0.89	5.8	1.13	6.8	1.40	7.2	1.57	7.7	1.52	8.6	1.61	9.6	1.58
	35	4.8	0.94	5.8	1.20	6.8	1.50	7.2	1.69	7.7	1.69	8.6	1.70	9.6	1.70
	37	4.8	0.99	5.8	1.29	6.8	1.60	7.2	1.74	7.7	1.72	8.6	1.75	9.6	1.76
	39	4.8	1.04	5.8	1.36	6.8	1.70	7.2	1.77	7.7	1.77	8.6	1.81	9.6	1.79
	41	4.8	1.08	5.8	1.40	6.8	1.74	7.2	1.80	7.7	1.82	8.6	1.85	9.6	1.82
43	4.8	1.12	5.8	1.42	6.8	1.77	7.2	1.84	7.7	1.86	8.6	1.88	9.6	1.86	
45	4.8	1.15	5.8	1.45	6.8	1.81	7.2	1.87	7.7	1.88	8.6	1.95	9.6	1.89	
47	4.8	1.18	5.8	1.52	6.8	1.84	7.2	1.91	7.7	1.94	8.6	1.98	9.6	1.93	
48	4.8	1.22	5.8	1.54	6.8	1.88	7.2	1.94	7.7	2.01	8.6	2.03	9.6	1.96	
50%	10	4.1	0.45	4.8	0.54	5.6	0.65	6.0	0.70	6.6	0.75	7.2	0.86	8.0	0.71
	12	4.1	0.46	4.8	0.56	5.6	0.66	6.0	0.72	6.6	0.77	7.2	0.88	8.0	0.72
	14	4.1	0.46	4.8	0.56	5.6	0.68	6.0	0.72	6.6	0.80	7.2	0.90	8.0	0.73
	15	4.1	0.47	4.8	0.58	5.6	0.69	6.0	0.73	6.6	0.83	7.2	0.93	8.0	0.74
	18	4.1	0.48	4.8	0.58	5.6	0.70	6.0	0.75	6.6	0.87	7.2	0.97	8.0	0.76
	20	4.1	0.50	4.8	0.60	5.6	0.73	6.0	0.79	6.6	0.91	7.2	0.99	8.0	0.80
	21	4.1	0.51	4.8	0.61	5.6	1.05	6.0	0.82	6.6	0.94	7.2	1.02	8.0	0.82
	23	4.1	0.52	4.8	0.63	5.6	0.79	6.0	0.86	6.6	0.96	7.2	1.06	8.0	0.87
	25	4.1	0.53	4.8	0.69	5.6	0.85	6.0	0.91	6.6	1.01	7.2	1.08	8.0	0.92
	27	4.1	0.58	4.8	0.72	5.6	0.89	6.0	1.00	6.6	1.07	7.2	1.14	8.0	1.01
	29	4.1	0.60	4.8	0.79	5.6	0.97	6.0	1.08	6.6	1.13	7.2	1.19	8.0	1.09
	31	4.1	0.66	4.8	0.83	5.6	1.03	6.0	1.15	6.6	1.19	7.2	1.22	8.0	1.16
	33	4.1	0.70	4.8	0.89	5.6	1.10	6.0	1.23	6.6	1.20	7.2	1.27	8.0	1.25
	35	4.1	0.74	4.8	0.95	5.6	1.18	6.0	1.33	6.6	1.33	7.2	1.34	8.0	1.34
	37	4.1	0.78	4.8	1.01	5.6	1.26	6.0	1.38	6.6	1.36	7.2	1.38	8.0	1.39
	39	4.1	0.82	4.8	1.08	5.6	1.34	6.0	1.40	6.6	1.40	7.2	1.43	8.0	1.41
	41	4.1	0.85	4.8	1.10	5.6	1.37	6.0	1.42	6.6	1.43	7.2	1.46	8.0	1.44
43	4.1	0.88	4.8	1.12	5.6	1.40	6.0	1.45	6.6	1.47	7.2	1.48	8.0	1.46	
45	4.1	0.91	4.8	1.14	5.6	1.43	6.0	1.48	6.6	1.48	7.2	1.54	8.0	1.49	
47	4.1	0.93	4.8	1.20	5.6	1.45	6.0	1.50	6.6	1.53	7.2	1.56	8.0	1.52	
48	4.1	0.96	4.8	1.22	5.6	1.48	6.0	1.53	6.6	1.59	7.2	1.60	8.0	1.54	

GMV-Pd140W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp. (°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW
130%	10	12.7	1.48	15.1	1.80	17.4	2.15	18.2	2.33	18.4	2.47	18.7	2.85	19.2	2.35
	12	12.7	1.52	15.1	1.84	17.4	2.19	17.9	2.37	18.1	2.56	15.4	2.91	19.0	2.39
	14	12.7	1.54	15.1	1.86	17.3	2.24	17.7	2.40	17.7	2.65	18.2	2.97	18.7	2.42
	15	12.7	1.57	15.1	1.91	17.1	2.28	17.4	2.43	17.6	2.74	18.1	3.08	18.4	2.46
	18	12.7	1.60	15.1	1.93	16.9	2.33	17.2	2.49	17.3	2.87	17.8	3.20	18.1	2.52
	20	12.7	1.65	15.1	1.99	16.7	2.40	17.0	2.62	17.2	3.00	17.6	3.28	18.0	2.65
	21	12.7	1.68	15.1	2.03	16.6	2.44	16.8	2.70	16.9	3.11	17.4	3.36	17.9	2.73
	23	12.7	1.71	15.1	2.10	16.4	2.62	16.7	2.84	16.7	3.18	17.3	3.50	17.7	2.87
	25	12.7	1.77	15.1	2.28	16.1	2.81	16.4	3.02	16.4	3.35	17.0	3.58	17.4	3.05
	27	12.7	1.91	15.1	2.37	15.8	2.96	16.3	3.32	16.1	3.53	16.9	3.76	17.3	3.36
	29	12.7	1.99	15.1	2.63	15.6	3.21	16.1	3.56	15.9	3.75	16.6	3.94	17.0	3.60
	31	12.7	2.19	15.0	2.74	15.4	3.39	15.8	3.81	15.6	3.95	16.2	4.03	16.8	3.85
	33	12.7	2.33	14.8	2.96	15.3	3.65	15.6	4.09	15.4	3.97	16.1	4.20	16.5	4.13
	35	12.7	2.46	14.5	3.13	14.9	3.91	15.4	4.40	15.4	4.41	15.8	4.43	16.3	4.45
	37	12.7	2.58	14.3	3.36	14.6	4.18	15.0	4.55	15.2	4.50	15.6	4.58	16.1	4.60
	39	12.7	2.70	14.1	3.56	14.5	4.44	14.9	4.63	15.0	4.63	15.5	4.74	15.9	4.67
	41	12.7	2.83	14.0	3.66	14.3	4.53	14.7	4.71	14.8	4.74	15.3	4.82	15.7	4.76
	43	12.7	2.93	13.9	3.70	14.2	4.63	14.6	4.80	14.6	4.85	15.1	4.91	15.6	4.85
45	12.7	3.00	13.8	3.77	14.0	4.72	14.5	4.89	14.5	4.90	14.9	5.09	15.4	4.94	
47	12.7	3.07	13.7	3.98	13.8	4.81	14.4	4.98	14.3	5.07	14.8	5.18	15.2	5.03	
48	12.7	3.18	13.6	4.03	13.7	4.90	14.2	5.06	14.2	5.25	14.6	5.31	15.1	5.11	
120%	10	11.7	1.47	13.8	1.80	16.1	2.15	17.2	2.32	18.0	2.46	18.5	2.83	18.9	2.34
	12	11.7	1.51	13.8	1.83	16.1	2.19	17.2	2.36	17.8	2.55	18.2	2.90	18.6	2.38
	14	11.7	1.53	13.8	1.85	16.1	2.23	17.2	2.39	17.5	2.64	17.9	2.95	18.4	2.41
	15	11.7	1.56	13.8	1.90	16.1	2.27	17.1	2.42	17.3	2.72	17.8	3.06	18.2	2.45
	18	11.7	1.59	13.8	1.92	16.1	2.32	16.9	2.48	17.2	2.86	17.5	3.19	17.9	2.51
	20	11.7	1.64	13.8	1.98	16.1	2.39	16.6	2.61	16.8	2.99	17.3	3.26	17.7	2.64
	21	11.7	1.67	13.8	2.02	16.1	2.44	16.5	2.69	16.6	3.10	17.2	3.35	17.6	2.72
	23	11.7	1.70	13.8	2.09	16.1	2.61	16.3	2.83	16.4	3.16	16.9	3.48	17.5	2.86
	25	11.7	1.76	13.8	2.27	15.8	2.80	16.0	3.01	16.2	3.34	16.7	3.57	17.4	3.04
	27	11.7	1.90	13.8	2.36	15.6	2.94	15.8	3.31	16.1	3.52	16.4	3.75	17.2	3.34
	29	11.7	1.98	13.8	2.62	15.4	3.20	15.6	3.55	15.8	3.74	16.1	3.92	16.8	3.58
	31	11.7	2.18	13.8	2.73	15.1	3.38	15.4	3.79	15.6	3.93	16.0	4.01	16.7	3.83
	33	11.7	2.33	13.8	2.94	15.0	3.63	15.1	4.07	15.3	3.96	15.8	4.19	16.4	4.11
	35	11.7	2.45	13.8	3.12	14.7	3.89	14.9	4.39	15.2	4.40	15.6	4.41	16.2	4.43
	37	11.7	2.57	13.8	3.34	14.5	4.16	14.6	4.54	14.9	4.48	15.3	4.56	16.0	4.58
	39	11.7	2.69	13.8	3.55	14.2	4.42	14.4	4.61	14.5	4.61	15.1	4.72	15.7	4.66
	41	11.7	2.81	13.6	3.64	14.0	4.51	14.2	4.69	14.3	4.72	14.9	4.80	15.5	4.74
	43	11.7	2.92	13.4	3.69	13.8	4.61	14.0	4.78	14.1	4.83	14.7	4.89	15.3	4.83
45	11.7	2.99	13.3	3.76	13.7	4.70	13.8	4.87	13.9	4.88	14.4	5.07	15.1	4.92	
47	11.7	3.06	13.1	3.96	13.5	4.79	13.6	4.96	13.7	5.05	14.2	5.16	14.9	5.01	
48	11.7	3.17	12.9	4.01	13.3	4.88	13.3	5.04	13.5	5.23	14.0	5.29	14.7	5.09	
110%	10	10.7	1.47	12.7	1.79	14.8	2.14	15.8	2.31	16.8	2.45	18.1	2.82	18.5	2.33
	12	10.7	1.50	12.7	1.82	14.8	2.18	15.8	2.35	16.8	2.54	17.9	2.89	18.3	2.37
	14	10.7	1.52	12.7	1.85	14.8	2.22	15.8	2.38	16.8	2.63	17.6	2.94	18.1	2.40
	15	10.7	1.55	12.7	1.89	14.8	2.27	15.8	2.41	16.8	2.71	17.4	3.05	17.7	2.44
	18	10.7	1.58	12.7	1.92	14.8	2.31	15.8	2.47	16.8	2.85	17.2	3.17	17.6	2.50
	20	10.7	1.63	12.7	1.97	14.8	2.38	15.8	2.60	16.5	2.98	17.0	3.25	17.3	2.63
	21	10.7	1.66	12.7	2.01	14.8	2.44	15.8	2.68	16.4	3.09	16.9	3.34	17.2	2.71
	23	10.7	1.69	12.7	2.08	14.8	2.60	15.8	2.82	16.1	3.15	16.6	3.47	17.0	2.85
	25	10.7	1.76	12.7	2.26	14.8	2.79	15.8	3.00	16.0	3.33	16.3	3.56	16.8	3.03
	27	10.7	1.89	12.7	2.35	14.8	2.93	15.5	3.30	15.8	3.50	16.1	3.73	16.5	3.33
	29	10.7	1.97	12.7	2.61	14.8	3.19	15.3	3.53	15.6	3.72	15.9	3.91	16.3	3.57
	31	10.7	2.17	12.7	2.72	14.8	3.37	15.1	3.78	15.3	3.92	15.7	4.00	16.1	3.82
	33	10.7	2.32	12.7	2.93	14.6	3.62	14.9	4.05	15.1	3.94	15.5	4.17	15.8	4.09
	35	10.7	2.44	12.7	3.11	14.4	3.88	14.6	4.37	14.8	4.38	15.2	4.39	15.6	4.41
	37	10.7	2.56	12.7	3.33	14.1	4.15	14.4	4.52	14.6	4.47	14.9	4.54	15.3	4.56
	39	10.7	2.68	12.7	3.53	13.9	4.40	14.1	4.59	14.4	4.60	14.8	4.70	15.1	4.64
	41	10.7	2.80	12.5	3.63	13.8	4.50	14.0	4.67	14.2	4.71	14.6	4.79	14.9	4.72
	43	10.7	2.90	12.3	3.67	13.6	4.59	13.8	4.76	14.0	4.82	14.5	4.87	14.7	4.81
45	10.7	2.97	12.2	3.74	13.4	4.68	13.7	4.85	13.8	4.86	14.3	5.05	14.6	4.90	
47	10.7	3.05	12.0	3.94	13.2	4.77	13.5	4.94	13.7	5.03	14.1	5.14	14.4	4.99	
48	10.7	3.16	11.8	4.00	13.0	4.86	13.3	5.02	13.5	5.21	13.9	5.27	14.2	5.07	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pd140W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp. (°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	9.6	1.46	11.4	1.79	13.5	2.13	14.3	2.31	15.2	2.45	17.2	2.82	18.1	2.33
	12	9.6	1.50	11.4	1.82	13.5	2.17	14.3	2.35	15.2	2.53	17.2	2.88	17.8	2.37
	14	9.6	1.52	11.4	1.84	13.5	2.21	14.3	2.38	15.2	2.62	17.2	2.94	17.7	2.40
	15	9.6	1.55	11.4	1.89	13.5	2.26	14.3	2.41	15.2	2.71	17.1	3.05	17.4	2.43
	18	9.6	1.58	11.4	1.91	13.5	2.31	14.3	2.47	15.2	2.84	16.9	3.17	17.3	2.49
	20	9.6	1.63	11.4	1.97	13.5	2.38	14.3	2.60	15.2	2.97	16.6	3.24	16.9	2.62
	21	9.6	1.66	11.4	2.01	13.5	2.44	14.3	2.68	15.2	3.08	16.5	3.33	16.8	2.70
	23	9.6	1.69	11.4	2.08	13.5	2.60	14.3	2.81	15.2	3.15	16.3	3.46	16.5	2.84
	25	9.6	1.75	11.4	2.25	13.5	2.78	14.3	2.99	15.2	3.32	16.0	3.55	16.4	3.02
	27	9.6	1.89	11.4	2.35	13.5	2.93	14.3	3.29	15.2	3.50	15.8	3.72	16.2	3.32
	29	9.6	1.97	11.4	2.60	13.5	3.18	14.3	3.53	15.1	3.71	15.6	3.90	15.9	3.56
	31	9.6	2.17	11.4	2.71	13.5	3.36	14.3	3.77	15.0	3.91	15.3	3.99	15.6	3.81
	33	9.6	2.31	11.4	2.93	13.5	3.61	14.3	4.05	14.7	3.93	15.1	4.16	15.4	4.09
	35	9.6	2.43	11.4	3.10	13.5	3.87	14.3	4.36	14.4	4.37	14.8	4.38	15.3	4.40
	37	9.6	2.55	11.4	3.32	13.5	4.14	14.0	4.51	14.3	4.46	14.6	4.53	15.0	4.55
	39	9.6	2.68	11.4	3.53	13.5	4.39	13.8	4.58	14.0	4.59	14.3	4.69	14.7	4.63
	41	9.6	2.80	11.4	3.62	13.5	4.49	13.8	4.67	14.0	4.70	14.3	4.78	14.6	4.71
	43	9.6	2.90	11.4	3.67	13.5	4.58	13.8	4.75	13.8	4.81	14.2	4.86	14.4	4.80
45	9.6	2.97	11.4	3.74	13.3	4.67	13.6	4.84	13.7	4.85	14.1	5.04	14.3	4.89	
47	9.6	3.04	11.4	3.94	13.2	4.76	13.3	4.93	13.5	5.02	14.0	5.13	14.1	4.98	
48	9.6	3.15	11.4	3.99	13.1	4.86	13.2	5.01	13.4	5.20	13.9	5.26	14.0	5.06	
90%	10	8.7	1.23	10.4	1.50	12.0	1.79	12.9	1.94	13.8	2.06	15.5	2.37	17.1	1.96
	12	8.7	1.26	10.4	1.53	12.0	1.82	12.9	1.97	13.8	2.13	15.5	2.42	17.0	1.99
	14	8.7	1.28	10.4	1.55	12.0	1.86	12.9	2.00	13.8	2.20	15.5	2.47	17.0	2.02
	15	8.7	1.30	10.4	1.59	12.0	1.90	12.9	2.02	13.8	2.28	15.5	2.56	17.0	2.04
	18	8.7	1.33	10.4	1.61	12.0	1.94	12.9	2.07	13.8	2.39	15.5	2.66	1.7	2.09
	20	8.7	1.37	10.4	1.65	12.0	2.00	12.9	2.18	13.8	2.50	15.5	2.72	16.6	2.20
	21	8.7	1.39	10.4	1.68	12.0	2.44	12.9	2.25	13.8	2.59	15.5	2.80	16.5	2.27
	23	8.7	1.42	10.4	1.74	12.0	2.18	12.9	2.36	13.8	2.64	15.5	2.91	16.1	2.39
	25	8.7	1.47	10.4	1.89	12.0	2.34	12.9	2.51	13.8	2.79	15.5	2.98	15.9	2.54
	27	8.7	1.59	10.4	1.97	12.0	2.46	12.9	2.77	13.8	2.94	15.4	3.13	15.7	2.79
	29	8.7	1.66	10.4	2.19	12.0	2.67	12.9	2.96	13.8	3.12	15.3	3.28	15.6	2.99
	31	8.7	1.82	10.4	2.28	12.0	2.82	12.9	3.17	13.8	3.28	15.1	3.35	15.3	3.20
	33	8.7	1.94	10.4	2.46	12.0	3.03	12.9	3.40	13.8	3.30	14.8	3.50	15.1	3.43
	35	8.7	2.04	10.4	2.60	12.0	3.25	12.9	3.66	13.8	3.67	14.5	3.68	14.9	3.70
	37	8.7	2.15	10.4	2.79	12.0	3.48	12.9	3.79	13.8	3.74	14.1	3.81	14.5	3.82
	39	8.7	2.25	10.4	2.96	12.0	3.69	12.9	3.85	13.8	3.85	14.0	3.94	14.3	3.89
	41	8.7	2.35	10.4	3.04	12.0	3.77	12.9	3.92	13.6	3.95	13.8	4.01	14.2	3.96
	43	8.7	2.43	10.4	3.08	12.0	3.85	12.8	3.99	13.5	4.04	13.7	4.09	14.0	4.03
45	8.7	2.49	10.4	3.14	12.0	3.93	12.6	4.07	13.4	4.07	13.5	4.23	13.9	4.11	
47	8.7	2.55	10.4	3.31	12.0	4.00	12.4	4.14	13.2	4.22	13.3	4.31	13.7	4.18	
48	8.7	2.65	10.4	3.35	12.0	4.08	12.3	4.21	13.0	4.37	13.2	4.42	13.5	4.25	
80%	10	7.7	1.04	9.2	1.27	10.8	1.51	11.5	1.64	12.2	1.74	13.8	2.00	15.3	1.65
	12	7.7	1.07	9.2	1.29	10.8	1.54	11.5	1.67	12.2	1.80	13.8	2.05	15.2	1.68
	14	7.7	1.08	9.2	1.31	10.8	1.57	11.5	1.69	12.2	1.86	13.8	2.08	15.2	1.70
	15	7.7	1.10	9.2	1.34	10.8	1.61	11.5	1.71	12.2	1.92	13.8	2.16	15.2	1.73
	18	7.7	1.12	9.2	1.36	10.8	1.64	11.5	1.75	12.2	2.02	13.8	2.25	15.2	1.77
	20	7.7	1.16	9.2	1.40	10.8	1.69	11.5	1.85	12.2	2.11	13.8	2.30	15.2	1.86
	21	7.7	1.18	9.2	1.42	10.8	2.44	11.5	1.90	12.2	2.19	13.8	2.36	15.2	1.92
	23	7.7	1.20	9.2	1.47	10.8	1.84	11.5	2.00	12.2	2.23	13.8	2.46	15.2	2.02
	25	7.7	1.24	9.2	1.60	10.8	1.98	11.5	2.12	12.2	2.36	13.8	2.52	15.2	2.14
	27	7.7	1.34	9.2	1.67	10.8	2.08	11.5	2.34	12.2	2.48	13.8	2.64	15.2	2.36
	29	7.7	1.40	9.2	1.85	10.8	2.26	11.5	2.50	12.2	2.64	13.8	2.77	15.2	2.53
	31	7.7	1.54	9.2	1.93	10.8	2.39	11.5	2.68	12.2	2.78	13.8	2.83	15.2	2.70
	33	7.7	1.64	9.2	2.08	10.8	2.56	11.5	2.87	12.2	2.79	13.8	2.96	15.2	2.90
	35	7.7	1.73	9.2	2.20	10.8	2.75	11.5	3.10	12.2	3.10	13.8	3.11	15.2	3.13
	37	7.7	1.81	9.2	2.36	10.8	2.94	11.5	3.20	12.2	3.16	13.8	3.22	15.2	3.23
	39	7.7	1.90	9.2	2.50	10.8	3.12	11.5	3.25	12.2	3.26	13.8	3.33	15.2	3.29
	41	7.7	1.99	9.2	2.57	10.8	3.19	11.5	3.31	12.2	3.33	13.6	3.39	15.0	3.35
	43	7.7	2.06	9.2	2.60	10.8	3.25	11.5	3.37	12.1	3.41	13.4	3.45	14.8	3.41
45	7.7	2.11	9.2	2.65	10.8	3.32	11.3	3.44	12.0	3.44	13.2	3.58	14.6	3.47	
47	7.7	2.16	9.2	2.80	10.8	3.38	11.1	3.50	11.8	3.57	13.1	3.64	14.4	3.53	
48	7.7	2.24	9.2	2.83	10.8	3.45	11.0	3.56	11.6	3.69	12.9	3.73	14.2	3.60	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pd160W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp. (°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	14.2	1.69	16.9	2.06	19.4	2.46	20.3	2.66	20.5	2.82	20.9	3.25	21.4	2.69
	12	14.2	1.73	16.9	2.10	19.4	2.51	20.0	2.71	20.2	2.92	17.1	3.33	21.2	2.73
	14	14.2	1.75	16.9	2.12	19.3	2.55	19.7	2.74	19.8	3.02	20.3	3.39	20.9	2.77
	15	14.2	1.79	16.9	2.18	19.1	2.61	19.4	2.78	19.6	3.12	20.2	3.51	20.6	2.80
	18	14.2	1.82	16.9	2.21	18.9	2.66	19.1	2.85	19.3	3.28	19.8	3.65	20.2	2.88
	20	14.2	1.88	16.9	2.27	18.6	2.74	18.9	3.00	19.1	3.43	19.6	3.74	20.1	3.03
	21	14.2	1.91	16.9	2.31	18.5	2.78	18.8	3.09	18.9	3.55	19.4	3.84	19.9	3.12
	23	14.2	1.95	16.9	2.40	18.3	3.00	18.6	3.24	18.6	3.63	19.3	3.99	19.8	3.28
	25	14.2	2.02	16.9	2.60	18.0	3.21	18.3	3.45	18.3	3.83	18.9	4.09	19.4	3.48
	27	14.2	2.18	16.9	2.71	17.7	3.38	18.2	3.80	18.0	4.03	18.9	4.30	19.3	3.84
	29	14.2	2.27	16.9	3.00	17.4	3.67	18.0	4.07	17.8	4.28	18.5	4.50	18.9	4.11
	31	14.2	2.50	16.7	3.13	17.1	3.88	17.6	4.35	17.4	4.51	18.1	4.60	18.7	4.39
	33	14.2	2.67	16.5	3.38	17.0	4.17	17.4	4.67	17.2	4.54	18.0	4.80	18.5	4.71
	35	14.2	2.81	16.2	3.58	16.6	4.47	17.1	5.03	17.1	5.04	17.6	5.05	18.2	5.08
	37	14.2	2.95	15.9	3.83	16.3	4.77	16.7	5.20	16.9	5.14	17.4	5.23	18.0	5.25
	39	14.2	3.09	15.7	4.07	16.2	5.07	16.6	5.29	16.7	5.29	17.3	5.41	17.7	5.34
	41	14.2	3.23	15.6	4.18	16.0	5.18	16.4	5.38	16.5	5.42	17.1	5.51	17.5	5.44
	43	14.2	3.34	15.5	4.23	15.8	5.28	16.3	5.48	16.3	5.54	16.9	5.61	17.4	5.54
	45	14.2	3.42	15.4	4.31	15.6	5.39	16.2	5.58	16.2	5.59	16.7	5.81	17.2	5.64
47	14.2	3.51	15.3	4.54	15.4	5.49	16.0	5.68	16.0	5.80	16.5	5.91	17.0	5.74	
48	14.2	3.63	15.1	4.60	15.2	5.60	15.9	5.78	15.8	6.00	16.3	6.07	16.8	5.84	
120%	10	13.0	1.68	15.4	2.05	17.9	2.45	19.2	2.65	20.1	2.81	20.6	3.24	21.1	2.68
	12	13.0	1.72	15.4	2.09	17.9	2.50	19.2	2.70	19.8	2.91	20.3	3.31	20.8	2.72
	14	13.0	1.75	15.4	2.12	17.9	2.54	19.2	2.73	19.5	3.01	20.0	3.37	20.6	2.76
	15	13.0	1.78	15.4	2.17	17.9	2.60	19.1	2.77	19.3	3.11	19.8	3.50	20.3	2.79
	18	13.0	1.82	15.4	2.20	17.9	2.65	18.8	2.84	19.1	3.26	19.5	3.64	20.0	2.86
	20	13.0	1.87	15.4	2.26	17.9	2.73	18.6	2.99	18.7	3.41	19.3	3.73	19.8	3.02
	21	13.0	1.91	15.4	2.30	17.9	2.78	18.4	3.08	18.6	3.54	19.1	3.83	19.7	3.11
	23	13.0	1.94	15.4	2.39	17.9	2.98	18.2	3.23	18.3	3.61	18.9	3.98	19.5	3.26
	25	13.0	2.01	15.4	2.59	17.6	3.20	17.9	3.44	18.1	3.81	18.6	4.08	19.4	3.47
	27	13.0	2.17	15.4	2.70	17.4	3.36	17.7	3.78	17.9	4.02	18.3	4.28	19.1	3.82
	29	13.0	2.26	15.4	2.99	17.1	3.65	17.4	4.05	17.7	4.27	18.0	4.48	18.7	4.09
	31	13.0	2.49	15.4	3.12	16.9	3.86	17.1	4.33	17.4	4.49	17.8	4.58	18.6	4.38
	33	13.0	2.66	15.4	3.36	16.7	4.15	16.9	4.65	17.0	4.52	17.6	4.78	18.3	4.70
	35	13.0	2.80	15.4	3.56	16.4	4.45	16.6	5.01	16.9	5.02	17.4	5.03	18.1	5.06
	37	13.0	2.94	15.4	3.82	16.2	4.76	16.3	5.18	16.6	5.12	17.1	5.21	17.8	5.23
	39	13.0	3.07	15.4	4.05	15.9	5.05	16.1	5.27	16.2	5.27	16.9	5.39	17.5	5.32
	41	13.0	3.21	15.2	4.16	15.7	5.16	15.8	5.36	16.0	5.40	16.6	5.49	17.3	5.41
	43	13.0	3.33	15.0	4.21	15.5	5.26	15.6	5.46	15.8	5.52	16.4	5.59	17.1	5.52
	45	13.0	3.41	14.8	4.29	15.2	5.37	15.4	5.56	15.5	5.57	16.1	5.79	16.8	5.62
47	13.0	3.49	14.6	4.52	15.0	5.47	15.1	5.66	15.3	5.77	15.9	5.89	16.6	5.72	
48	13.0	3.62	14.4	4.58	14.8	5.58	14.9	5.76	15.1	5.97	15.6	6.04	16.4	5.82	
110%	10	11.9	1.68	14.2	2.04	16.5	2.44	17.6	2.64	18.7	2.80	20.2	3.22	20.7	2.67
	12	11.9	1.72	14.2	2.08	16.5	2.49	17.6	2.68	18.7	2.90	20.0	3.30	20.4	2.71
	14	11.9	1.74	14.2	2.11	16.5	2.53	17.6	2.72	18.7	3.00	19.7	3.36	20.2	2.75
	15	11.9	1.77	14.2	2.16	16.5	2.59	17.6	2.75	18.7	3.10	19.4	3.49	19.8	2.78
	18	11.9	1.81	14.2	2.19	16.5	2.64	17.6	2.82	18.7	3.25	19.2	3.63	19.6	2.85
	20	11.9	1.87	14.2	2.25	16.5	2.72	17.6	2.97	18.4	3.40	18.9	3.71	19.3	3.00
	21	11.9	1.90	14.2	2.30	16.5	2.78	17.6	3.06	18.3	3.52	18.8	3.81	19.2	3.09
	23	11.9	1.93	14.2	2.38	16.5	2.97	17.6	3.22	18.0	3.60	18.6	3.96	18.9	3.25
	25	11.9	2.00	14.2	2.58	16.5	3.19	17.6	3.42	17.9	3.80	18.2	4.06	18.7	3.46
	27	11.9	2.16	14.2	2.69	16.5	3.35	17.3	3.77	17.6	4.00	18.0	4.26	18.4	3.80
	29	11.9	2.26	14.2	2.98	16.5	3.64	17.0	4.04	17.4	4.25	17.7	4.46	18.2	4.08
	31	11.9	2.48	14.2	3.10	16.5	3.85	16.9	4.32	17.1	4.47	17.5	4.56	17.9	4.36
	33	11.9	2.65	14.2	3.35	16.3	4.13	16.6	4.63	16.9	4.50	17.3	4.76	17.7	4.68
	35	11.9	2.78	14.2	3.55	16.1	4.43	16.3	4.99	16.5	5.00	17.0	5.01	17.4	5.04
	37	11.9	2.92	14.2	3.80	15.8	4.74	16.1	5.16	16.3	5.10	16.6	5.19	17.1	5.21
	39	11.9	3.06	14.2	4.04	15.5	5.03	15.8	5.24	16.1	5.25	16.5	5.37	16.9	5.30
	41	11.9	3.20	14.0	4.14	15.3	5.14	15.6	5.34	15.9	5.37	16.3	5.47	16.7	5.39
	43	11.9	3.32	13.8	4.20	15.1	5.24	15.4	5.44	15.6	5.50	16.1	5.57	16.4	5.49
	45	11.9	3.40	13.6	4.27	14.9	5.35	15.2	5.54	15.4	5.55	15.9	5.77	16.2	5.59
47	11.9	3.48	13.4	4.51	14.7	5.45	15.1	5.64	15.2	5.75	15.7	5.87	16.0	5.69	
48	11.9	3.61	13.2	4.57	14.5	5.56	14.9	5.74	15.0	5.95	15.5	6.02	15.8	5.80	

GMV-Pd160W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp. (°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW
100%	10	10.7	1.67	12.7	2.04	15.0	2.44	16.0	2.63	17.0	2.79	19.1	3.22	20.2	2.66
	12	10.7	1.71	12.7	2.08	15.0	2.48	16.0	2.68	17.0	2.89	19.1	3.29	19.9	2.71
	14	10.7	1.74	12.7	2.10	15.0	2.53	16.0	2.71	17.0	2.99	19.1	3.35	19.7	2.74
	15	10.7	1.77	12.7	2.16	15.0	2.58	16.0	2.75	17.0	3.09	19.0	3.48	19.4	2.78
	18	10.7	1.81	12.7	2.18	15.0	2.64	16.0	2.82	17.0	3.24	18.8	3.62	19.3	2.85
	20	10.7	1.86	12.7	2.24	15.0	2.72	16.0	2.97	17.0	3.39	18.5	3.70	18.9	3.00
	21	10.7	1.90	12.7	2.29	15.0	2.78	16.0	3.06	17.0	3.52	18.4	3.80	18.7	3.09
	23	10.7	1.93	12.7	2.37	15.0	2.97	16.0	3.21	17.0	3.59	18.2	3.95	18.5	3.24
	25	10.7	2.00	12.7	2.57	15.0	3.18	16.0	3.42	17.0	3.79	17.9	4.05	18.3	3.45
	27	10.7	2.16	12.7	2.68	15.0	3.34	16.0	3.76	17.0	3.99	17.6	4.25	18.1	3.80
	29	10.7	2.25	12.7	2.97	15.0	3.63	16.0	4.03	16.9	4.24	17.4	4.45	17.7	4.07
	31	10.7	2.47	12.7	3.10	15.0	3.84	16.0	4.31	16.7	4.47	17.1	4.55	17.4	4.35
	33	10.7	2.64	12.7	3.34	15.0	4.13	16.0	4.62	16.4	4.49	16.9	4.75	17.2	4.67
	35	10.7	2.78	12.7	3.54	15.0	4.42	16.0	4.98	16.1	4.99	16.5	5.00	17.0	5.03
	37	10.7	2.92	12.7	3.80	15.0	4.73	15.7	5.15	15.9	5.09	16.3	5.17	16.7	5.20
	39	10.7	3.06	12.7	4.03	15.0	5.02	15.4	5.23	15.6	5.24	16.0	5.35	16.4	5.29
	41	10.7	3.20	12.7	4.14	15.0	5.13	15.4	5.33	15.6	5.36	16.0	5.46	16.3	5.38
	43	10.7	3.31	12.7	4.19	15.0	5.23	15.4	5.43	15.4	5.49	15.9	5.56	16.1	5.48
45	10.7	3.39	12.7	4.27	14.9	5.34	15.1	5.53	15.3	5.54	15.8	5.76	16.0	5.58	
47	10.7	3.47	12.7	4.50	14.7	5.44	14.9	5.63	15.0	5.74	15.6	5.86	15.8	5.68	
48	10.7	3.60	12.7	4.56	14.6	5.55	14.7	5.73	14.9	5.94	15.5	6.01	15.7	5.78	
90%	10	9.7	1.41	11.7	1.71	13.4	2.05	14.4	2.21	15.4	2.35	17.3	2.70	19.0	2.23
	12	9.7	1.44	11.7	1.75	13.4	2.08	14.4	2.25	15.4	2.43	17.3	2.77	19.0	2.27
	14	9.7	1.46	11.7	1.77	13.4	2.12	14.4	2.28	15.4	2.51	17.3	2.82	19.0	2.30
	15	9.7	1.49	11.7	1.81	13.4	2.17	14.4	2.31	15.4	2.60	17.3	2.92	19.0	2.33
	18	9.7	1.52	11.7	1.84	13.4	2.21	14.4	2.37	15.4	2.72	17.3	3.04	1.9	2.39
	20	9.7	1.56	11.7	1.89	13.4	2.28	14.4	2.49	15.4	2.85	17.3	3.11	18.6	2.52
	21	9.7	1.59	11.7	1.92	13.4	2.78	14.4	2.57	15.4	2.95	17.3	3.19	18.4	2.59
	23	9.7	1.62	11.7	1.99	13.4	2.49	14.4	2.70	15.4	3.02	17.3	3.32	18.0	2.73
	25	9.7	1.68	11.7	2.16	13.4	2.67	14.4	2.87	15.4	3.19	17.3	3.41	17.7	2.90
	27	9.7	1.81	11.7	2.25	13.4	2.81	14.4	3.16	15.4	3.35	17.2	3.57	17.5	3.19
	29	9.7	1.89	11.7	2.50	13.4	3.05	14.4	3.38	15.4	3.56	17.1	3.74	17.4	3.42
	31	9.7	2.08	11.7	2.60	13.4	3.22	14.4	3.62	15.4	3.75	16.8	3.83	17.0	3.65
	33	9.7	2.22	11.7	2.81	13.4	3.47	14.4	3.88	15.4	3.77	16.5	3.99	16.9	3.92
	35	9.7	2.33	11.7	2.97	13.4	3.71	14.4	4.18	15.4	4.19	16.2	4.20	16.6	4.22
	37	9.7	2.45	11.7	3.19	13.4	3.97	14.4	4.33	15.4	4.28	15.8	4.35	16.2	4.37
	39	9.7	2.57	11.7	3.38	13.4	4.22	14.4	4.40	15.4	4.40	15.6	4.50	16.0	4.44
	41	9.7	2.68	11.7	3.47	13.4	4.31	14.4	4.48	15.1	4.51	15.4	4.58	15.8	4.52
	43	9.7	2.78	11.7	3.52	13.4	4.39	14.3	4.56	15.0	4.61	15.2	4.67	15.6	4.61
45	9.7	2.85	11.7	3.58	13.4	4.48	14.1	4.64	14.9	4.65	15.1	4.83	15.5	4.69	
47	9.7	2.92	11.7	3.78	13.4	4.57	13.8	4.73	14.7	4.82	14.9	4.92	15.3	4.77	
48	9.7	3.02	11.7	3.83	13.4	4.66	13.8	4.81	14.5	4.99	14.7	5.04	15.1	4.86	
80%	10	8.6	1.19	10.3	1.45	12.0	1.73	12.8	1.87	13.6	1.98	15.4	2.28	17.0	1.89
	12	8.6	1.22	10.3	1.48	12.0	1.76	12.8	1.90	13.6	2.05	15.4	2.34	17.0	1.92
	14	8.6	1.23	10.3	1.49	12.0	1.80	12.8	1.93	13.6	2.13	15.4	2.38	17.0	1.95
	15	8.6	1.26	10.3	1.53	12.0	1.83	12.8	1.95	13.6	2.20	15.4	2.47	17.0	1.97
	18	8.6	1.28	10.3	1.55	12.0	1.87	12.8	2.00	13.6	2.30	15.4	2.57	17.0	2.02
	20	8.6	1.32	10.3	1.59	12.0	1.93	12.8	2.11	13.6	2.41	15.4	2.63	17.0	2.13
	21	8.6	1.35	10.3	1.63	12.0	2.78	12.8	2.17	13.6	2.50	15.4	2.70	17.0	2.19
	23	8.6	1.37	10.3	1.68	12.0	2.11	12.8	2.28	13.6	2.55	15.4	2.81	17.0	2.30
	25	8.6	1.42	10.3	1.83	12.0	2.26	12.8	2.43	13.6	2.69	15.4	2.88	17.0	2.45
	27	8.6	1.53	10.3	1.90	12.0	2.37	12.8	2.67	13.6	2.83	15.4	3.02	17.0	2.70
	29	8.6	1.60	10.3	2.11	12.0	2.58	12.8	2.86	13.6	3.01	15.4	3.16	17.0	2.89
	31	8.6	1.76	10.3	2.20	12.0	2.73	12.8	3.06	13.6	3.17	15.4	3.23	17.0	3.09
	33	8.6	1.87	10.3	2.37	12.0	2.93	12.8	3.28	13.6	3.19	15.4	3.38	17.0	3.31
	35	8.6	1.97	10.3	2.51	12.0	3.14	12.8	3.54	13.6	3.54	15.4	3.55	17.0	3.57
	37	8.6	2.07	10.3	2.69	12.0	3.36	12.8	3.66	13.6	3.61	15.4	3.67	17.0	3.69
	39	8.6	2.17	10.3	2.86	12.0	3.56	12.8	3.72	13.6	3.72	15.4	3.80	17.0	3.75
	41	8.6	2.27	10.3	2.94	12.0	3.64	12.8	3.78	13.6	3.81	15.2	3.87	16.8	3.82
	43	8.6	2.35	10.3	2.97	12.0	3.71	12.8	3.85	13.5	3.90	15.0	3.94	16.5	3.89
45	8.6	2.41	10.3	3.03	12.0	3.79	12.6	3.92	13.4	3.93	14.8	4.09	16.3	3.96	
47	8.6	2.47	10.3	3.19	12.0	3.86	12.3	4.00	13.2	4.07	14.6	4.16	16.1	4.04	
48	8.6	2.55	10.3	3.24	12.0	3.94	12.2	4.07	13.0	4.22	14.4	4.26	15.9	4.11	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pd160W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp. (°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW
70%	10	7.5	0.97	9.0	1.18	10.5	1.41	11.2	1.53	11.9	1.62	13.4	1.87	14.9	1.54
	12	7.5	0.99	9.0	1.21	10.5	1.44	11.2	1.55	11.9	1.68	13.4	1.91	14.9	1.57
	14	7.5	1.01	9.0	1.22	10.5	1.47	11.2	1.57	11.9	1.74	13.4	1.94	14.9	1.59
	15	7.5	1.03	9.0	1.25	10.5	1.50	11.2	1.59	11.9	1.79	13.4	2.02	14.9	1.61
	18	7.5	1.05	9.0	1.27	10.5	1.53	11.2	1.63	11.9	1.88	13.4	2.10	14.9	1.65
	20	7.5	1.08	9.0	1.30	10.5	1.57	11.2	1.72	11.9	1.97	13.4	2.15	14.9	1.74
	21	7.5	1.10	9.0	1.33	10.5	2.78	11.2	1.77	11.9	2.04	13.4	2.21	14.9	1.79
	23	7.5	1.12	9.0	1.38	10.5	1.72	11.2	1.86	11.9	2.08	13.4	2.29	14.9	1.88
	25	7.5	1.16	9.0	1.49	10.5	1.84	11.2	1.98	11.9	2.20	13.4	2.35	14.9	2.00
	27	7.5	1.25	9.0	1.55	10.5	1.94	11.2	2.18	11.9	2.32	13.4	2.47	14.9	2.20
	29	7.5	1.31	9.0	1.72	10.5	2.11	11.2	2.34	11.9	2.46	13.4	2.58	14.9	2.36
	31	7.5	1.43	9.0	1.80	10.5	2.23	11.2	2.50	11.9	2.59	13.4	2.64	14.9	2.52
	33	7.5	1.53	9.0	1.94	10.5	2.39	11.2	2.68	11.9	2.60	13.4	2.76	14.9	2.71
	35	7.5	1.61	9.0	2.05	10.5	2.56	11.2	2.89	11.9	2.89	13.4	2.90	14.9	2.92
	37	7.5	1.69	9.0	2.20	10.5	2.74	11.2	2.99	11.9	2.95	13.4	3.00	14.9	3.02
	39	7.5	1.77	9.0	2.34	10.5	2.91	11.2	3.04	11.9	3.04	13.4	3.11	14.9	3.07
	41	7.5	1.85	9.0	2.40	10.5	2.97	11.2	3.09	11.9	3.11	13.4	3.16	14.9	3.12
	43	7.5	1.92	9.0	2.43	10.5	3.03	11.2	3.15	11.9	3.18	13.4	3.22	14.9	3.18
45	7.5	1.97	9.0	2.47	10.5	3.10	11.2	3.21	11.9	3.21	13.4	3.34	14.9	3.24	
47	7.5	2.01	9.0	2.61	10.5	3.15	11.2	3.26	11.9	3.33	13.4	3.40	14.9	3.30	
48	7.5	2.09	9.0	2.64	10.5	3.22	11.2	3.32	11.9	3.44	13.4	3.48	14.9	3.35	
60%	10	6.5	0.81	7.8	0.98	9.0	1.17	9.6	1.27	10.3	1.35	11.5	1.55	12.8	1.28
	12	6.5	0.83	7.8	1.00	9.0	1.20	9.6	1.29	10.3	1.39	11.5	1.59	12.8	1.30
	14	6.5	0.84	7.8	1.01	9.0	1.22	9.6	1.31	10.3	1.44	11.5	1.62	12.8	1.32
	15	6.5	0.85	7.8	1.04	9.0	1.24	9.6	1.32	10.3	1.49	11.5	1.68	12.8	1.34
	18	6.5	0.87	7.8	1.05	9.0	1.27	9.6	1.36	10.3	1.56	11.5	1.74	12.8	1.37
	20	6.5	0.90	7.8	1.08	9.0	1.31	9.6	1.43	10.3	1.64	11.5	1.79	12.8	1.44
	21	6.5	0.91	7.8	1.10	9.0	2.78	9.6	1.47	10.3	1.70	11.5	1.83	12.8	1.49
	23	6.5	0.93	7.8	1.14	9.0	1.43	9.6	1.55	10.3	1.73	11.5	1.91	12.8	1.56
	25	6.5	0.96	7.8	1.24	9.0	1.53	9.6	1.65	10.3	1.83	11.5	1.95	12.8	1.66
	27	6.5	1.04	7.8	1.29	9.0	1.61	9.6	1.81	10.3	1.92	11.5	2.05	12.8	1.83
	29	6.5	1.08	7.8	1.43	9.0	1.75	9.6	1.94	10.3	2.04	11.5	2.15	12.8	1.96
	31	6.5	1.19	7.8	1.49	9.0	1.85	9.6	2.08	10.3	2.15	11.5	2.20	12.8	2.10
	33	6.5	1.27	7.8	1.61	9.0	1.99	9.6	2.23	10.3	2.16	11.5	2.29	12.8	2.25
	35	6.5	1.34	7.8	1.71	9.0	2.13	9.6	2.40	10.3	2.41	11.5	2.41	12.8	2.42
	37	6.5	1.41	7.8	1.83	9.0	2.28	9.6	2.48	10.3	2.45	11.5	2.49	12.8	2.51
	39	6.5	1.47	7.8	1.94	9.0	2.42	9.6	2.52	10.3	2.53	11.5	2.58	12.8	2.55
	41	6.5	1.54	7.8	1.99	9.0	2.47	9.6	2.57	10.3	2.59	11.5	2.63	12.8	2.59
	43	6.5	1.60	7.8	2.02	9.0	2.52	9.6	2.62	10.3	2.65	11.5	2.68	12.8	2.64
45	6.5	1.63	7.8	2.06	9.0	2.57	9.6	2.66	10.3	2.67	11.5	2.77	12.8	2.69	
47	6.5	1.67	7.8	2.17	9.0	2.62	9.6	2.71	10.3	2.77	11.5	2.82	12.8	2.74	
48	6.5	1.73	7.8	2.20	9.0	2.67	9.6	2.76	10.3	2.86	11.5	2.89	12.8	2.79	
50%	10	5.4	0.64	6.4	0.77	7.5	0.93	8.0	1.00	8.7	1.06	9.5	1.22	10.6	1.01
	12	5.4	0.65	6.4	0.79	7.5	0.94	8.0	1.02	8.7	1.10	9.5	1.25	10.6	1.03
	14	5.4	0.66	6.4	0.80	7.5	0.96	8.0	1.03	8.7	1.14	9.5	1.27	10.6	1.04
	15	5.4	0.67	6.4	0.82	7.5	0.98	8.0	1.04	8.7	1.18	9.5	1.32	10.6	1.05
	18	5.4	0.69	6.4	0.83	7.5	1.00	8.0	1.07	8.7	1.23	9.5	1.37	10.6	1.08
	20	5.4	0.71	6.4	0.85	7.5	1.03	8.0	1.13	8.7	1.29	9.5	1.41	10.6	1.14
	21	5.4	0.72	6.4	0.87	7.5	2.78	8.0	1.16	8.7	1.34	9.5	1.45	10.6	1.17
	23	5.4	0.73	6.4	0.90	7.5	1.13	8.0	1.22	8.7	1.37	9.5	1.50	10.6	1.23
	25	5.4	0.76	6.4	0.98	7.5	1.21	8.0	1.30	8.7	1.44	9.5	1.54	10.6	1.31
	27	5.4	0.82	6.4	1.02	7.5	1.27	8.0	1.43	8.7	1.52	9.5	1.62	10.6	1.44
	29	5.4	0.86	6.4	1.13	7.5	1.38	8.0	1.53	8.7	1.61	9.5	1.69	10.6	1.55
	31	5.4	0.94	6.4	1.18	7.5	1.46	8.0	1.64	8.7	1.70	9.5	1.73	10.6	1.65
	33	5.4	1.00	6.4	1.27	7.5	1.57	8.0	1.76	8.7	1.71	9.5	1.81	10.6	1.77
	35	5.4	1.06	6.4	1.35	7.5	1.68	8.0	1.89	8.7	1.90	9.5	1.90	10.6	1.91
	37	5.4	1.11	6.4	1.44	7.5	1.80	8.0	1.96	8.7	1.93	9.5	1.97	10.6	1.98
	39	5.4	1.16	6.4	1.53	7.5	1.91	8.0	1.99	8.7	1.99	9.5	2.03	10.6	2.01
	41	5.4	1.21	6.4	1.57	7.5	1.95	8.0	2.02	8.7	2.04	9.5	2.07	10.6	2.05
	43	5.4	1.26	6.4	1.59	7.5	1.99	8.0	2.06	8.7	2.09	9.5	2.11	10.6	2.08
45	5.4	1.29	6.4	1.62	7.5	2.03	8.0	2.10	8.7	2.10	9.5	2.19	10.6	2.12	
47	5.4	1.32	6.4	1.71	7.5	2.07	8.0	2.14	8.7	2.18	9.5	2.23	10.6	2.16	
48	5.4	1.37	6.4	1.73	7.5	2.11	8.0	2.18	8.7	2.26	9.5	2.28	10.6	2.20	

GMV-Pdm224W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp. (°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW
130%	10	19.8	1.80	23.5	2.19	27.1	2.62	28.4	2.83	28.6	3.00	29.1	3.46	29.8	2.86
	12	19.8	1.84	23.5	2.23	27.1	2.67	27.9	2.88	28.2	3.11	23.9	3.54	29.6	2.91
	14	19.8	1.87	23.5	2.26	27.0	2.72	27.5	2.92	27.6	3.22	28.4	3.61	29.1	2.95
	15	19.8	1.90	23.5	2.32	26.7	2.78	27.1	2.96	27.4	3.33	28.2	3.74	28.7	2.99
	18	19.8	1.94	23.5	2.35	26.3	2.83	26.7	3.03	27.0	3.49	27.7	3.89	28.2	3.06
	20	19.8	2.00	23.5	2.41	26.0	2.92	26.4	3.19	26.7	3.65	27.4	3.98	28.0	3.22
	21	19.8	2.04	23.5	2.46	25.9	2.96	26.2	3.29	26.3	3.78	27.1	4.09	27.9	3.32
	23	19.8	2.07	23.5	2.55	25.5	3.19	26.0	3.45	26.0	3.86	26.9	4.25	27.6	3.49
	25	19.8	2.15	23.5	2.77	25.1	3.42	25.6	3.67	25.6	4.08	26.4	4.36	27.1	3.71
	27	19.8	2.32	23.5	2.88	24.7	3.59	25.4	4.04	25.1	4.29	26.3	4.57	27.0	4.08
	29	19.8	2.42	23.5	3.20	24.3	3.90	25.1	4.33	24.8	4.56	25.9	4.79	26.4	4.38
	31	19.8	2.66	23.4	3.33	23.9	4.13	24.6	4.63	24.3	4.80	25.3	4.90	26.2	4.68
	33	19.8	2.84	23.0	3.59	23.8	4.44	24.3	4.97	24.0	4.83	25.1	5.11	25.8	5.02
	35	19.8	2.99	22.7	3.81	23.1	4.75	23.9	5.35	23.9	5.37	24.6	5.38	25.5	5.41
	37	19.8	3.14	22.3	4.08	22.8	5.08	23.4	5.54	23.6	5.47	24.3	5.56	25.1	5.59
	39	19.8	3.29	21.9	4.33	22.6	5.40	23.1	5.63	23.3	5.63	24.1	5.76	24.7	5.68
	41	19.8	3.44	21.8	4.45	22.3	5.51	23.0	5.73	23.1	5.77	23.8	5.87	24.5	5.79
	43	19.8	3.56	21.6	4.50	22.1	5.63	22.8	5.84	22.8	5.90	23.6	5.97	24.2	5.89
45	19.8	3.65	21.5	4.59	21.8	5.74	22.6	5.94	22.6	5.96	23.3	6.19	24.0	6.00	
47	19.8	3.73	21.3	4.84	21.5	5.85	22.4	6.05	22.3	6.17	23.0	6.30	23.7	6.11	
48	19.8	3.87	21.1	4.90	21.3	5.96	22.2	6.16	22.1	6.38	22.7	6.46	23.5	6.22	
120%	10	18.2	1.79	21.5	2.18	25.1	2.61	26.8	2.82	28.1	2.99	28.8	3.45	29.4	2.85
	12	18.2	1.84	21.5	2.23	25.1	2.66	26.8	2.87	27.7	3.10	28.4	3.53	29.0	2.90
	14	18.2	1.86	21.5	2.25	25.1	2.71	26.8	2.91	27.3	3.21	27.9	3.59	28.7	2.94
	15	18.2	1.90	21.5	2.31	25.1	2.77	26.7	2.94	27.0	3.31	27.7	3.73	28.3	2.97
	18	18.2	1.93	21.5	2.34	25.1	2.82	26.3	3.02	26.7	3.47	27.3	3.88	27.9	3.05
	20	18.2	1.99	21.5	2.40	25.1	2.91	25.9	3.18	26.2	3.63	27.0	3.97	27.6	3.21
	21	18.2	2.03	21.5	2.45	25.1	2.96	25.7	3.27	25.9	3.77	26.7	4.07	27.5	3.31
	23	18.2	2.07	21.5	2.54	25.1	3.18	25.4	3.44	25.6	3.85	26.3	4.23	27.3	3.47
	25	18.2	2.14	21.5	2.76	24.6	3.41	25.0	3.66	25.2	4.06	26.0	4.34	27.1	3.70
	27	18.2	2.31	21.5	2.87	24.3	3.58	24.7	4.03	25.1	4.28	25.5	4.56	26.7	4.07
	29	18.2	2.41	21.5	3.19	23.9	3.89	24.3	4.31	24.7	4.54	25.1	4.77	26.2	4.36
	31	18.2	2.65	21.5	3.32	23.5	4.11	23.9	4.61	24.3	4.78	24.9	4.88	26.0	4.66
	33	18.2	2.83	21.5	3.58	23.3	4.42	23.5	4.95	23.8	4.81	24.6	5.09	25.5	5.00
	35	18.2	2.98	21.5	3.79	22.9	4.74	23.1	5.33	23.6	5.34	24.3	5.36	25.2	5.39
	37	18.2	3.12	21.5	4.07	22.6	5.06	22.8	5.51	23.1	5.45	23.9	5.54	24.9	5.57
	39	18.2	3.27	21.5	4.32	22.2	5.38	22.4	5.61	22.7	5.61	23.5	5.74	24.5	5.66
	41	18.2	3.42	21.2	4.43	21.9	5.49	22.1	5.71	22.3	5.74	23.2	5.84	24.2	5.76
	43	18.2	3.54	20.9	4.49	21.6	5.60	21.8	5.81	22.0	5.88	22.8	5.95	23.8	5.87
45	18.2	3.63	20.7	4.57	21.3	5.72	21.4	5.92	21.7	5.93	22.5	6.16	23.5	5.98	
47	18.2	3.72	20.4	4.82	21.0	5.83	21.1	6.03	21.4	6.15	22.1	6.27	23.2	6.09	
48	18.2	3.85	20.1	4.88	20.7	5.94	20.8	6.13	21.0	6.36	21.8	6.43	22.9	6.19	
110%	10	16.6	1.78	19.8	2.18	23.0	2.60	24.6	2.81	26.2	2.98	28.2	3.43	28.9	2.84
	12	16.6	1.83	19.8	2.22	23.0	2.65	24.6	2.86	26.2	3.09	27.9	3.51	28.5	2.89
	14	16.6	1.85	19.8	2.24	23.0	2.70	24.6	2.90	26.2	3.19	27.5	3.58	28.2	2.92
	15	16.6	1.89	19.8	2.30	23.0	2.75	24.6	2.93	26.2	3.30	27.1	3.71	27.6	2.96
	18	16.6	1.93	19.8	2.33	23.0	2.81	24.6	3.01	26.2	3.46	26.8	3.86	27.4	3.04
	20	16.6	1.99	19.8	2.39	23.0	2.90	24.6	3.17	25.7	3.62	26.4	3.95	27.0	3.20
	21	16.6	2.02	19.8	2.44	23.0	2.96	24.6	3.26	25.6	3.75	26.3	4.06	26.8	3.29
	23	16.6	2.06	19.8	2.53	23.0	3.17	24.6	3.43	25.1	3.83	25.9	4.22	26.4	3.46
	25	16.6	2.13	19.8	2.75	23.0	3.39	24.6	3.64	25.0	4.05	25.5	4.32	26.2	3.68
	27	16.6	2.30	19.8	2.86	23.0	3.57	24.2	4.01	24.6	4.26	25.1	4.54	25.7	4.05
	29	16.6	2.40	19.8	3.17	23.0	3.87	23.8	4.30	24.3	4.52	24.7	4.75	25.5	4.34
	31	16.6	2.64	19.8	3.30	23.0	4.09	23.5	4.60	23.9	4.76	24.4	4.86	25.1	4.64
	33	16.6	2.82	19.8	3.57	22.8	4.40	23.1	4.93	23.5	4.79	24.1	5.07	24.7	4.98
	35	16.6	2.96	19.8	3.78	22.4	4.72	22.7	5.31	23.1	5.32	23.7	5.34	24.3	5.37
	37	16.6	3.11	19.8	4.05	22.0	5.04	22.4	5.49	22.8	5.43	23.2	5.52	23.9	5.55
	39	16.6	3.26	19.8	4.30	21.7	5.35	22.0	5.58	22.4	5.59	23.1	5.71	23.5	5.64
	41	16.6	3.41	19.5	4.41	21.4	5.47	21.8	5.68	22.1	5.72	22.8	5.82	23.3	5.74
	43	16.6	3.53	19.2	4.47	21.1	5.58	21.5	5.79	21.8	5.86	22.5	5.93	23.0	5.85
45	16.6	3.62	19.0	4.55	20.9	5.69	21.3	5.90	21.6	5.91	22.2	6.14	22.7	5.96	
47	16.6	3.71	18.7	4.80	20.6	5.80	21.0	6.00	21.3	6.12	22.0	6.25	22.4	6.06	
48	16.6	3.84	18.4	4.86	20.3	5.92	20.8	6.11	21.0	6.33	21.7	6.41	22.1	6.17	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pdm224W/NaB-M

Q—Total capacity; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	15.0	2.02	17.8	2.46	21.0	2.94	22.4	3.17	23.7	3.37	26.7	3.88	28.2	3.21
	12	15.0	2.07	17.8	2.50	21.0	2.99	22.4	3.23	23.7	3.49	26.7	3.97	27.8	3.26
	14	15.0	2.09	17.8	2.53	21.0	3.05	22.4	3.27	23.7	3.61	26.7	4.04	27.5	3.30
	15	15.0	2.13	17.8	2.60	21.0	3.11	22.4	3.31	23.7	3.73	26.6	4.19	27.1	3.35
	18	15.0	2.18	17.8	2.63	21.0	3.18	22.4	3.40	23.7	3.91	26.3	4.36	26.9	3.43
	20	15.0	2.24	17.8	2.71	21.0	3.27	22.4	3.58	23.7	4.09	25.9	4.46	26.3	3.61
	21	15.0	2.28	17.8	2.76	21.0	3.35	22.4	3.68	23.7	4.24	25.7	4.58	26.2	3.72
	23	15.0	2.32	17.8	2.86	21.0	3.58	22.4	3.87	23.7	4.33	25.4	4.76	25.8	3.91
	25	15.0	2.41	17.8	3.10	21.0	3.83	22.4	4.12	23.7	4.57	25.0	4.89	25.5	4.16
	27	15.0	2.60	17.8	3.23	21.0	4.03	22.4	4.53	23.7	4.81	24.6	5.13	25.2	4.58
	29	15.0	2.71	17.8	3.58	21.0	4.37	22.4	4.85	23.5	5.11	24.3	5.37	24.7	4.90
	31	15.0	2.98	17.8	3.73	21.0	4.63	22.4	5.19	23.3	5.38	23.9	5.49	24.3	5.24
	33	15.0	3.18	17.8	4.03	21.0	4.97	22.4	5.57	22.9	5.41	23.5	5.73	24.0	5.62
	35	15.0	3.35	17.8	4.27	21.0	5.33	22.4	5.52	22.5	6.01	23.1	6.03	23.8	6.06
	37	15.0	3.52	17.8	4.57	21.0	5.70	21.9	6.20	22.3	6.13	22.8	6.24	23.4	6.27
	39	15.0	3.68	17.8	4.86	21.0	6.05	21.6	6.31	21.8	6.31	22.3	6.45	22.9	6.37
	41	15.0	3.85	17.8	4.98	21.0	6.18	21.6	6.42	21.8	6.46	22.3	6.57	22.7	6.49
	43	15.0	3.99	17.8	5.05	21.0	6.30	21.6	6.54	21.5	6.61	22.2	6.69	22.5	6.61
	45	15.0	4.09	17.8	5.14	20.7	6.43	21.2	6.66	21.4	6.67	22.0	6.94	22.3	6.73
47	15.0	4.19	17.8	5.42	20.6	6.55	20.8	6.78	21.0	6.91	21.8	7.06	22.0	6.85	
48	15.0	4.34	17.8	5.49	20.3	6.68	20.6	6.90	20.8	7.16	21.6	7.24	21.9	6.97	
90%	10	13.6	1.69	16.3	2.06	18.8	2.47	20.2	2.67	21.5	2.83	24.1	3.26	26.6	2.69
	12	13.6	1.74	16.3	2.10	18.8	2.51	20.2	2.71	21.5	2.93	24.1	3.33	26.5	2.74
	14	13.6	1.76	16.3	2.13	18.8	2.56	20.2	2.75	21.5	3.03	24.1	3.39	26.5	2.77
	15	13.6	1.79	16.3	2.18	18.8	2.61	20.2	2.78	21.5	3.13	24.1	3.52	26.5	2.81
	18	13.6	1.83	16.3	2.21	18.8	2.67	20.2	2.85	21.5	3.28	24.1	3.66	2.6	2.88
	20	13.6	1.88	16.3	2.27	18.8	2.75	20.2	3.00	21.5	3.43	24.1	3.75	25.9	3.03
	21	13.6	1.92	16.3	2.32	18.8	3.35	20.2	3.10	21.5	3.56	24.1	3.85	25.7	3.13
	23	13.6	1.95	16.3	2.40	18.8	3.00	20.2	3.25	21.5	3.64	24.1	4.00	25.1	3.28
	25	13.6	2.03	16.3	2.61	18.8	3.22	20.2	3.46	21.5	3.84	24.1	4.10	24.7	3.49
	27	13.6	2.19	16.3	2.71	18.8	3.38	20.2	3.81	21.5	4.04	24.0	4.31	24.5	3.84
	29	13.6	2.28	16.3	3.01	18.8	3.67	20.2	4.08	21.5	4.29	23.9	4.51	24.3	4.12
	31	13.6	2.50	16.3	3.14	18.8	3.89	20.2	4.36	21.5	4.52	23.5	4.61	23.8	4.40
	33	13.6	2.67	16.3	3.38	18.8	4.18	20.2	4.68	21.5	4.55	23.0	4.81	23.5	4.72
	35	13.6	2.81	16.3	3.58	18.8	4.48	20.2	5.04	21.5	5.05	22.6	5.07	23.1	5.09
	37	13.6	2.95	16.3	3.84	18.8	4.79	20.2	5.21	21.5	5.15	22.0	5.24	22.7	5.26
	39	13.6	3.09	16.3	4.08	18.8	5.08	20.2	5.30	21.5	5.30	21.8	5.42	22.3	5.35
	41	13.6	3.23	16.3	4.19	18.8	5.19	20.2	5.39	21.1	5.43	21.5	5.52	22.1	5.45
	43	13.6	3.35	16.3	4.24	18.8	5.30	20.0	5.49	21.0	5.56	21.3	5.62	21.8	5.55
	45	13.6	3.43	16.3	4.32	18.8	5.40	19.7	5.60	20.8	5.61	21.0	5.83	21.6	5.65
47	13.6	3.52	16.3	4.55	18.8	5.51	19.4	5.70	20.5	5.81	20.8	5.93	21.4	5.75	
48	13.6	3.64	16.3	4.61	18.8	5.61	19.3	5.80	20.2	6.01	20.5	6.08	21.1	5.85	
80%	10	12.0	1.43	14.4	1.74	16.8	2.08	17.9	2.25	19.0	2.39	21.5	2.75	23.8	2.28
	12	12.0	1.47	14.4	1.78	16.8	2.12	17.9	2.29	19.0	2.48	21.5	2.82	23.7	2.32
	14	12.0	1.49	14.4	1.80	16.8	2.16	17.9	2.32	19.0	2.56	21.5	2.87	23.7	2.35
	15	12.0	1.51	14.4	1.84	16.8	2.21	17.9	2.35	19.0	2.65	21.5	2.98	23.7	2.38
	18	12.0	1.55	14.4	1.87	16.8	2.25	17.9	2.41	19.0	2.77	21.5	3.10	23.7	2.44
	20	12.0	1.59	14.4	1.92	16.8	2.32	17.9	2.54	19.0	2.90	21.5	3.17	23.7	2.56
	21	12.0	1.62	14.4	1.96	16.8	3.35	17.9	2.62	19.0	3.01	21.5	3.25	23.7	2.64
	23	12.0	1.65	14.4	2.03	16.8	2.54	17.9	2.75	19.0	3.07	21.5	3.38	23.7	2.78
	25	12.0	1.71	14.4	2.20	16.8	2.72	17.9	2.92	19.0	3.24	21.5	3.47	23.7	2.95
	27	12.0	1.85	14.4	2.29	16.8	2.86	17.9	3.22	19.0	3.42	21.5	3.64	23.7	3.25
	29	12.0	1.93	14.4	2.54	16.8	3.11	17.9	3.45	19.0	3.63	21.5	3.81	23.7	3.48
	31	12.0	2.12	14.4	2.65	16.8	3.28	17.9	3.69	19.0	3.82	21.5	3.90	23.7	3.72
	33	12.0	2.26	14.4	2.86	16.8	3.53	17.9	3.95	19.0	3.84	21.5	4.07	23.7	3.99
	35	12.0	2.38	14.4	3.03	16.8	3.78	17.9	4.26	19.0	4.27	21.5	4.28	23.7	4.30
	37	12.0	2.50	14.4	3.25	16.8	4.04	17.9	4.41	19.0	4.35	21.5	4.43	23.7	4.45
	39	12.0	2.62	14.4	3.45	16.8	4.29	17.9	4.48	19.0	4.48	21.5	4.58	23.7	4.52
	41	12.0	2.73	14.4	3.54	16.8	4.39	17.9	4.56	19.0	4.59	21.2	4.67	23.4	4.60
	43	12.0	2.83	14.4	3.58	16.8	4.48	17.9	4.64	18.8	4.70	20.9	4.75	23.1	4.69
	45	12.0	2.90	14.4	3.65	16.8	4.57	17.6	4.73	18.7	4.74	20.6	4.92	22.8	4.78
47	12.0	2.97	14.4	3.85	16.8	4.65	17.3	4.81	18.4	4.91	20.3	5.01	22.5	4.86	
48	12.0	3.08	14.4	3.90	16.8	4.74	17.1	4.90	18.1	5.08	20.1	5.14	22.2	4.95	

GMV-Pdm224W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW		kW		kW		kW		kW		kW		kW	
70%	10	10.53	1.03	12.53	1.26	14.68	1.51	15.6	1.63	16.60	1.73	18.67	1.99	20.83	1.65
	12	10.53	1.06	12.53	1.29	14.68	1.53	15.6	1.66	16.60	1.79	18.67	2.04	20.83	1.67
	14	10.53	1.07	12.53	1.3	14.68	1.56	15.6	1.68	16.60	1.85	18.67	2.07	20.83	1.69
	15	10.53	1.09	12.53	1.33	14.68	1.60	15.6	1.70	16.60	1.91	18.67	2.15	20.83	1.72
	18	10.53	1.12	12.53	1.35	14.68	1.63	15.6	1.74	16.60	2.01	18.67	2.24	20.83	1.76
	20	10.53	1.15	12.53	1.39	14.68	1.68	15.6	1.84	16.60	2.10	18.67	2.29	20.83	1.85
	21	10.53	1.17	12.53	1.42	14.68	2.97	15.6	1.89	16.60	2.18	18.67	2.35	20.83	1.91
	23	10.53	1.19	12.53	1.47	14.68	1.83	15.6	1.99	16.60	2.22	18.67	2.44	20.83	2.01
	25	10.53	1.24	12.53	1.59	14.68	1.97	15.6	2.11	16.60	2.34	18.67	2.51	20.83	2.13
	27	10.53	1.34	12.53	1.66	14.68	2.07	15.6	2.32	16.60	2.47	18.67	2.63	20.83	2.35
	29	10.53	1.39	12.53	1.84	14.68	2.24	15.6	2.49	16.60	2.62	18.67	2.75	20.83	2.52
	31	10.53	1.53	12.53	1.92	14.68	2.37	15.6	2.66	16.60	2.76	18.67	2.82	20.83	2.69
	33	10.53	1.63	12.53	2.07	14.68	2.55	15.6	2.86	16.60	2.78	18.67	2.94	20.83	2.89
	35	10.53	1.72	12.53	2.19	14.68	2.73	15.6	3.08	16.60	3.09	18.67	3.09	20.83	3.11
	37	10.53	1.8	12.53	2.35	14.68	2.92	15.6	3.18	16.60	3.15	18.67	3.20	20.83	3.22
	39	10.53	1.89	12.53	2.49	14.68	3.10	15.6	3.24	16.60	3.24	18.67	3.31	20.83	3.27
41	10.53	1.98	12.53	2.56	14.68	3.17	15.6	3.29	16.60	3.32	18.67	3.37	20.83	3.33	
43	10.53	2.05	12.53	2.59	14.68	3.23	15.6	3.36	16.60	3.39	18.67	3.44	20.83	3.39	
45	10.53	2.1	12.53	2.64	14.68	3.30	15.6	3.42	16.60	3.42	18.67	3.56	20.83	3.45	
47	10.53	2.15	12.53	2.78	14.68	3.36	15.6	3.48	16.60	3.55	18.67	3.62	20.83	3.51	
48	10.53	2.23	12.53	2.82	14.68	3.43	15.6	3.54	16.60	3.67	18.67	3.71	20.83	3.58	
60%	10	9.02	0.86	10.85	1.05	12.61	1.25	13.4	1.35	14.36	1.44	16.04	1.65	17.88	1.37
	12	9.02	0.88	10.85	1.07	12.61	1.27	13.4	1.38	14.36	1.49	16.04	1.69	17.88	1.39
	14	9.02	0.89	10.85	1.08	12.61	1.30	13.4	1.39	14.36	1.54	16.04	1.72	17.88	1.41
	15	9.02	0.91	10.85	1.11	12.61	1.33	13.4	1.41	14.36	1.59	16.04	1.79	17.88	1.43
	18	9.02	0.93	10.85	1.12	12.61	1.35	13.4	1.45	14.36	1.67	16.04	1.86	17.88	1.46
	20	9.02	0.96	10.85	1.15	12.61	1.40	13.4	1.53	14.36	1.74	16.04	1.90	17.88	1.54
	21	9.02	0.97	10.85	1.18	12.61	2.97	13.4	1.57	14.36	1.81	16.04	1.95	17.88	1.59
	23	9.02	0.99	10.85	1.22	12.61	1.52	13.4	1.65	14.36	1.85	16.04	2.03	17.88	1.67
	25	9.02	1.03	10.85	1.32	12.61	1.63	13.4	1.76	14.36	1.95	16.04	2.08	17.88	1.77
	27	9.02	1.11	10.85	1.38	12.61	1.72	13.4	1.93	14.36	2.05	16.04	2.19	17.88	1.95
	29	9.02	1.16	10.85	1.53	12.61	1.87	13.4	2.07	14.36	2.18	16.04	2.29	17.88	2.09
	31	9.02	1.27	10.85	1.59	12.61	1.97	13.4	2.21	14.36	2.29	16.04	2.34	17.88	2.24
	33	9.02	1.36	10.85	1.72	12.61	2.12	13.4	2.37	14.36	2.31	16.04	2.44	17.88	2.40
	35	9.02	1.43	10.85	1.82	12.61	2.27	13.4	2.56	14.36	2.56	16.04	2.57	17.88	2.58
	37	9.02	1.5	10.85	1.95	12.61	2.43	13.4	2.65	14.36	2.62	16.04	2.66	17.88	2.67
	39	9.02	1.57	10.85	2.07	12.61	2.58	13.4	2.69	14.36	2.69	16.04	2.75	17.88	2.72
41	9.02	1.64	10.85	2.13	12.61	2.63	13.4	2.74	14.36	2.76	16.04	2.80	17.88	2.77	
43	9.02	1.7	10.85	2.15	12.61	2.69	13.4	2.79	14.36	2.82	16.04	2.85	17.88	2.82	
45	9.02	1.74	10.85	2.19	12.61	2.74	13.4	2.84	14.36	2.85	16.04	2.96	17.88	2.87	
47	9.02	1.78	10.85	2.31	12.61	2.80	13.4	2.89	14.36	2.95	16.04	3.01	17.88	2.92	
48	9.02	1.85	10.85	2.34	12.61	2.85	13.4	2.94	14.36	3.05	16.04	3.09	17.88	2.97	
50%	10	7.54	0.68	8.94	0.83	10.45	0.99	11.2	1.07	12.21	1.13	13.33	1.30	14.84	1.08
	12	7.54	0.69	8.94	0.84	10.45	1.01	11.2	1.09	12.21	1.17	13.33	1.33	14.84	1.10
	14	7.54	0.7	8.94	0.85	10.45	1.02	11.2	1.10	12.21	1.21	13.33	1.36	14.84	1.11
	15	7.54	0.72	8.94	0.87	10.45	1.05	11.2	1.11	12.21	1.25	13.33	1.41	14.84	1.12
	18	7.54	0.73	8.94	0.89	10.45	1.07	11.2	1.14	12.21	1.31	13.33	1.47	14.84	1.15
	20	7.54	0.75	8.94	0.91	10.45	1.10	11.2	1.20	12.21	1.37	13.33	1.50	14.84	1.21
	21	7.54	0.77	8.94	0.93	10.45	2.97	11.2	1.24	12.21	1.43	13.33	1.54	14.84	1.25
	23	7.54	0.78	8.94	0.96	10.45	1.20	11.2	1.30	12.21	1.46	13.33	1.60	14.84	1.31
	25	7.54	0.81	8.94	1.04	10.45	1.29	11.2	1.38	12.21	1.54	13.33	1.64	14.84	1.40
	27	7.54	0.87	8.94	1.09	10.45	1.35	11.2	1.52	12.21	1.62	13.33	1.72	14.84	1.54
	29	7.54	0.91	8.94	1.2	10.45	1.47	11.2	1.63	12.21	1.72	13.33	1.80	14.84	1.65
	31	7.54	1	8.94	1.26	10.45	1.56	11.2	1.75	12.21	1.81	13.33	1.85	14.84	1.76
	33	7.54	1.07	8.94	1.35	10.45	1.67	11.2	1.87	12.21	1.82	13.33	1.93	14.84	1.89
	35	7.54	1.13	8.94	1.43	10.45	1.79	11.2	2.02	12.21	2.02	13.33	2.03	14.84	2.04
	37	7.54	1.18	8.94	1.54	10.45	1.92	11.2	2.09	12.21	2.06	13.33	2.10	14.84	2.11
	39	7.54	1.24	8.94	1.63	10.45	2.03	11.2	2.12	12.21	2.12	13.33	2.17	14.84	2.14
41	7.54	1.29	8.94	1.68	10.45	2.08	11.2	2.16	12.21	2.17	13.33	2.21	14.84	2.18	
43	7.54	1.34	8.94	1.7	10.45	2.12	11.2	2.20	12.21	2.22	13.33	2.25	14.84	2.22	
45	7.54	1.37	8.94	1.73	10.45	2.16	11.2	2.24	12.21	2.24	13.33	2.33	14.84	2.26	
47	7.54	1.41	8.94	1.82	10.45	2.20	11.2	2.28	12.21	2.32	13.33	2.37	14.84	2.30	
48	7.54	1.46	8.94	1.85	10.45	2.25	11.2	2.32	12.21	2.41	13.33	2.43	14.84	2.34	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pdm280W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW		kW		kW		kW		kW		kW		kW	
130%	10	24.8	2.55	29.5	3.11	34.0	3.72	35.6	4.02	35.9	4.26	36.5	4.91	37.4	4.06
	12	24.8	2.61	29.5	3.17	34.0	3.78	35.0	4.09	35.4	4.41	30.0	5.02	37.1	4.13
	14	24.8	2.65	29.5	3.21	33.8	3.86	34.5	4.14	34.6	4.57	35.6	5.11	36.5	4.18
	15	24.8	2.70	29.5	3.29	33.4	3.94	34.0	4.19	34.3	4.72	35.3	5.31	36.0	4.23
	18	24.8	2.75	29.5	3.33	33.0	4.02	33.5	4.30	33.8	4.95	34.7	5.52	35.4	4.34
	20	24.8	2.84	29.5	3.42	32.6	4.14	33.1	4.53	33.5	5.18	34.3	5.65	35.1	4.57
	21	24.8	2.89	29.5	3.49	32.4	4.20	32.9	4.66	33.0	5.37	34.0	5.80	34.9	4.71
	23	24.8	2.94	29.5	3.62	32.0	4.53	32.6	4.90	32.6	5.48	33.7	6.03	34.6	4.95
	25	24.8	3.05	29.5	3.93	31.5	4.85	32.1	5.21	32.1	5.78	33.1	6.18	34.0	5.26
	27	24.8	3.29	29.5	4.09	30.9	5.10	31.8	5.73	31.5	6.09	33.0	6.49	33.8	5.79
	29	24.8	3.43	29.5	4.54	30.5	5.54	31.5	6.14	31.1	6.47	32.4	6.79	33.1	6.21
	31	24.8	3.77	29.3	4.73	30.0	5.85	30.8	6.57	30.5	6.81	31.7	6.95	32.8	6.64
	33	24.8	4.03	28.8	5.10	29.8	6.29	30.5	7.05	30.1	6.85	31.5	7.25	32.3	7.12
	35	24.8	4.24	28.4	5.40	29.0	6.74	30.0	7.60	30.0	7.61	30.8	7.63	31.9	7.67
	37	24.8	4.45	27.9	5.79	28.6	7.21	29.3	7.85	29.6	7.76	30.5	7.89	31.5	7.93
	39	24.8	4.66	27.5	6.15	28.3	7.66	29.0	7.98	29.2	7.99	30.2	8.17	31.0	8.06
	41	24.8	4.87	27.3	6.31	28.0	7.82	28.8	8.13	28.9	8.18	29.9	8.32	30.7	8.21
	43	24.8	5.05	27.1	6.39	27.6	7.98	28.5	8.28	28.6	8.37	29.5	8.47	30.4	8.36
45	24.8	5.17	26.9	6.51	27.3	8.14	28.3	8.43	28.3	8.45	29.2	8.78	30.1	8.51	
47	24.8	5.30	26.7	6.86	27.0	8.30	28.0	8.58	28.0	8.75	28.8	8.93	29.8	8.67	
48	24.8	5.49	26.5	6.95	26.7	8.46	27.8	8.73	27.7	9.06	28.5	9.16	29.5	8.82	
120%	10	22.8	2.54	27.0	3.10	31.4	3.70	33.6	4.00	35.2	4.24	36.1	4.89	36.9	4.04
	12	22.8	2.60	27.0	3.16	31.4	3.77	33.6	4.07	34.7	4.40	35.6	5.00	36.4	4.11
	14	22.8	2.64	27.0	3.20	31.4	3.84	33.6	4.12	34.2	4.55	35.0	5.09	36.0	4.16
	15	22.8	2.69	27.0	3.28	31.4	3.92	33.4	4.18	33.8	4.70	34.7	5.28	35.5	4.22
	18	22.8	2.74	27.0	3.32	31.4	4.00	32.9	4.28	33.5	4.93	34.2	5.50	35.0	4.32
	20	22.8	2.83	27.0	3.41	31.4	4.12	32.5	4.51	32.8	5.15	33.8	5.63	34.6	4.55
	21	22.8	2.88	27.0	3.48	31.4	4.20	32.2	4.64	32.5	5.34	33.5	5.78	34.4	4.69
	23	22.8	2.93	27.0	3.60	31.4	4.51	31.8	4.88	32.1	5.46	33.0	6.01	34.2	4.93
	25	22.8	3.04	27.0	3.91	30.8	4.83	31.3	5.19	31.6	5.76	32.6	6.16	33.9	5.24
	27	22.8	3.28	27.0	4.07	30.4	5.08	30.9	5.71	31.4	6.06	32.0	6.46	33.5	5.77
	29	22.8	3.42	27.0	4.52	30.0	5.52	30.4	6.12	30.9	6.44	31.5	6.77	32.8	6.18
	31	22.8	3.76	27.0	4.71	29.5	5.83	30.0	6.54	30.5	6.78	31.2	6.92	32.6	6.61
	33	22.8	4.01	27.0	5.08	29.2	6.27	29.5	7.02	29.8	6.82	30.8	7.22	32.0	7.09
	35	22.8	4.22	27.0	5.38	28.7	6.72	29.0	7.57	29.6	7.58	30.4	7.60	31.6	7.64
	37	22.8	4.43	27.0	5.77	28.3	7.18	28.6	7.82	29.0	7.73	29.9	7.86	31.2	7.90
	39	22.8	4.64	26.9	6.12	27.8	7.62	28.1	7.95	28.4	7.96	29.5	8.14	30.7	8.03
	41	22.8	4.85	26.6	6.28	27.4	7.79	27.7	8.09	28.0	8.15	29.1	8.29	30.3	8.18
	43	22.8	5.03	26.2	6.36	27.0	7.95	27.3	8.25	27.6	8.34	28.6	8.44	29.9	8.33
45	22.8	5.15	25.9	6.48	26.7	8.11	26.9	8.40	27.2	8.41	28.2	8.74	29.5	8.48	
47	22.8	5.28	25.5	6.83	26.3	8.26	26.5	8.55	26.8	8.72	27.7	8.90	29.1	8.63	
48	22.8	5.47	25.2	6.92	25.9	8.42	26.1	8.70	26.4	9.02	27.3	9.12	28.7	8.79	
110%	10	20.8	2.53	24.8	3.09	28.8	3.69	30.8	3.99	32.8	4.23	35.4	4.87	36.2	4.03
	12	20.8	2.59	24.8	3.14	28.8	3.75	30.8	4.05	32.8	4.38	35.0	4.98	35.7	4.09
	14	20.8	2.63	24.8	3.18	28.8	3.83	30.8	4.11	32.8	4.53	34.4	5.07	35.3	4.15
	15	20.8	2.68	24.8	3.26	28.8	3.91	30.8	4.16	32.8	4.68	34.0	5.26	34.6	4.20
	18	20.8	2.73	24.8	3.31	28.8	3.99	30.8	4.26	32.8	4.91	33.6	5.48	34.3	4.31
	20	20.8	2.82	24.8	3.40	28.8	4.11	30.8	4.49	32.2	5.13	33.1	5.60	33.8	4.54
	21	20.8	2.87	24.8	3.47	28.8	4.20	30.8	4.63	32.1	5.32	32.9	5.76	33.6	4.67
	23	20.8	2.92	24.8	3.59	28.8	4.49	30.8	4.86	31.5	5.44	32.5	5.98	33.1	4.91
	25	20.8	3.03	24.8	3.89	28.8	4.81	30.8	5.17	31.3	5.74	31.9	6.13	32.8	5.22
	27	20.8	3.27	24.8	4.06	28.8	5.06	30.3	5.69	30.8	6.04	31.5	6.44	32.2	5.75
	29	20.8	3.41	24.8	4.50	28.8	5.49	29.8	6.10	30.5	6.42	31.0	6.74	31.9	6.16
	31	20.8	3.74	24.8	4.69	28.8	5.81	29.5	6.52	29.9	6.76	30.6	6.89	31.4	6.58
	33	20.8	3.99	24.8	5.06	28.6	6.24	29.0	6.99	29.5	6.80	30.2	7.19	30.9	7.06
	35	20.8	4.20	24.8	5.36	28.1	6.69	28.5	7.54	28.9	7.55	29.7	7.57	30.4	7.61
	37	20.8	4.41	24.8	5.74	27.6	7.15	28.1	7.79	28.6	7.70	29.1	7.83	29.9	7.87
	39	20.8	4.63	24.8	6.10	27.2	7.59	27.6	7.92	28.1	7.93	28.9	8.10	29.5	8.00
	41	20.8	4.84	24.5	6.26	26.9	7.76	27.3	8.06	27.7	8.12	28.6	8.25	29.1	8.14
	43	20.8	5.01	24.1	6.34	26.5	7.92	27.0	8.21	27.4	8.31	28.2	8.41	28.8	8.30
45	20.8	5.13	23.8	6.46	26.2	8.08	26.7	8.36	27.0	8.38	27.9	8.71	28.4	8.45	
47	20.8	5.26	23.4	6.80	25.8	8.23	26.4	8.51	26.7	8.68	27.5	8.86	28.1	8.60	
48	20.8	5.44	23.1	6.89	25.5	8.39	26.1	8.67	26.3	8.98	27.2	9.09	27.7	8.75	

GMV-Pdm280W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	18.8	2.53	22.3	3.08	26.3	3.68	28.0	3.98	29.7	4.22	33.5	4.86	35.4	4.02
	12	18.8	2.59	22.3	3.14	26.3	3.75	28.0	4.05	29.7	4.37	33.5	4.97	34.8	4.09
	14	18.8	2.62	22.3	3.18	26.3	3.82	28.0	4.10	29.7	4.52	33.5	5.06	34.5	4.14
	15	18.8	2.67	22.3	3.26	26.3	3.90	28.0	4.15	29.7	4.67	33.3	5.25	34.0	4.19
	18	18.8	2.73	22.3	3.30	26.3	3.98	28.0	4.26	29.7	4.90	32.9	5.46	33.7	4.30
	20	18.8	2.81	22.3	3.39	26.3	4.10	28.0	4.48	29.7	5.12	32.4	5.59	33.0	4.53
	21	18.8	2.86	22.3	3.46	26.3	4.20	28.0	4.62	29.7	5.31	32.2	5.74	32.8	4.66
	23	18.8	2.91	22.3	3.58	26.3	4.48	28.0	4.85	29.7	5.43	31.8	5.97	32.3	4.90
	25	18.8	3.02	22.3	3.89	26.3	4.80	28.0	5.16	29.7	5.73	31.3	6.12	32.0	5.21
	27	18.8	3.26	22.3	4.05	26.3	5.05	28.0	5.68	29.7	6.03	30.8	6.42	31.6	5.73
	29	18.8	3.40	22.3	4.49	26.3	5.48	28.0	6.08	29.5	6.40	30.4	6.73	31.0	6.14
	31	18.8	3.73	22.3	4.68	26.3	5.80	28.0	6.50	29.2	6.74	29.9	6.88	30.5	6.57
	33	18.8	3.99	22.3	5.05	26.3	6.23	28.0	6.98	28.7	6.78	29.5	7.18	30.1	7.05
	35	18.8	4.20	22.3	5.35	26.3	6.68	28.0	7.52	28.2	7.54	28.9	7.56	29.8	7.60
	37	18.8	4.41	22.3	5.73	26.3	7.14	27.4	7.78	27.9	7.69	28.6	7.81	29.3	7.85
	39	18.8	4.62	22.3	6.08	26.3	7.58	27.0	7.90	27.3	7.91	28.0	8.09	28.7	7.98
	41	18.8	4.83	22.3	6.24	26.3	7.74	27.0	8.05	27.3	8.10	28.0	8.24	28.5	8.13
	43	18.8	5.00	22.3	6.33	26.3	7.90	27.0	8.20	27.0	8.29	27.8	8.39	28.2	8.28
	45	18.8	5.12	22.3	6.44	26.0	8.06	26.5	8.35	26.8	8.36	27.6	8.69	28.0	8.43
	47	18.8	5.25	22.3	6.79	25.8	8.21	26.0	8.50	26.3	8.67	27.3	8.84	27.6	8.58
48	18.8	5.43	22.3	6.88	25.5	8.37	25.8	8.65	26.1	8.97	27.1	9.07	27.4	8.73	
90%	10	17.0	2.12	20.4	2.59	23.5	3.09	25.2	3.34	26.9	3.54	30.2	4.08	33.3	3.38
	12	17.0	2.17	20.4	2.64	23.5	3.15	25.2	3.40	26.9	3.67	30.2	4.18	33.2	3.43
	14	17.0	2.20	20.4	2.67	23.5	3.21	25.2	3.44	26.9	3.80	30.2	4.25	33.2	3.48
	15	17.0	2.25	20.4	2.74	23.5	3.28	25.2	3.49	26.9	3.92	30.2	4.41	33.2	3.52
	18	17.0	2.29	20.4	2.77	23.5	3.34	25.2	3.58	26.9	4.11	30.2	4.59	3.3	3.61
	20	17.0	2.36	20.4	2.85	23.5	3.44	25.2	3.76	26.9	4.30	30.2	4.70	32.5	3.80
	21	17.0	2.40	20.4	2.91	23.5	3.40	25.2	3.88	26.9	4.46	30.2	4.82	32.2	3.92
	23	17.0	2.45	20.4	3.01	23.5	3.76	25.2	4.07	26.9	4.56	30.2	5.02	31.5	4.12
	25	17.0	2.54	20.4	3.27	23.5	4.03	25.2	4.33	26.9	4.81	30.2	5.14	31.0	4.38
	27	17.0	2.74	20.4	3.40	23.5	4.24	25.2	4.77	26.9	5.06	30.1	5.40	30.7	4.82
	29	17.0	2.86	20.4	3.77	23.5	4.61	25.2	5.11	26.9	5.38	29.9	5.65	30.4	5.16
	31	17.0	3.14	20.4	3.93	23.5	4.87	25.2	5.46	26.9	5.66	29.4	5.78	29.8	5.52
	33	17.0	3.35	20.4	4.24	23.5	5.23	25.2	5.86	26.9	5.70	28.8	6.03	29.5	5.92
	35	17.0	3.52	20.4	4.49	23.5	5.61	25.2	6.32	26.9	6.33	28.3	6.35	29.0	6.38
	37	17.0	3.70	20.4	4.81	23.5	6.00	25.2	6.53	26.9	6.46	27.6	6.56	28.4	6.60
	39	17.0	3.88	20.4	5.11	23.5	6.37	25.2	6.64	26.9	6.65	27.3	6.79	28.0	6.71
41	17.0	4.05	20.4	5.25	23.5	6.50	25.2	6.76	26.5	6.80	27.0	6.92	27.7	6.83	
43	17.0	4.20	20.4	5.31	23.5	6.64	25.0	6.89	26.3	6.96	26.7	7.05	27.4	6.95	
45	17.0	4.30	20.4	5.41	23.5	6.77	24.6	7.01	26.1	7.03	26.4	7.30	27.1	7.08	
47	17.0	4.41	20.4	5.70	23.5	6.90	24.2	7.14	25.7	7.28	26.1	7.43	26.8	7.21	
48	17.0	4.56	20.4	5.78	23.5	7.03	24.1	7.26	25.3	7.53	25.8	7.62	26.5	7.34	
80%	10	15.1	1.79	18.0	2.19	21.0	2.61	22.4	2.82	23.8	3.00	26.9	3.45	29.8	2.85
	12	15.0	1.84	18.0	2.23	21.0	2.66	22.4	2.87	23.8	3.10	26.9	3.53	29.7	2.90
	14	15.0	1.86	18.0	2.25	21.0	2.71	22.4	2.91	23.8	3.21	26.9	3.60	29.7	2.94
	15	15.0	1.90	18.0	2.31	21.0	2.77	22.4	2.95	23.8	3.32	26.9	3.73	29.7	2.98
	18	15.0	1.94	18.0	2.34	21.0	2.83	22.4	3.02	23.8	3.48	26.9	3.88	29.7	3.05
	20	15.0	2.00	18.0	2.41	21.0	2.91	22.4	3.18	23.8	3.64	26.9	3.97	29.7	3.21
	21	15.0	2.03	18.0	2.46	21.0	4.20	22.4	3.28	23.8	3.77	26.9	4.08	29.7	3.31
	23	15.0	2.07	18.0	2.54	21.0	3.18	22.4	3.44	23.8	3.85	26.9	4.24	29.7	3.48
	25	15.0	2.15	18.0	2.76	21.0	3.41	22.4	3.66	23.8	4.07	26.9	4.35	29.7	3.70
	27	15.0	2.31	18.0	2.87	21.0	3.58	22.4	4.03	23.8	4.28	26.9	4.56	29.7	4.07
	29	15.0	2.41	18.0	3.19	21.0	3.89	22.4	4.32	23.8	4.55	26.9	4.78	29.7	4.36
	31	15.0	2.65	18.0	3.32	21.0	4.12	22.4	4.62	23.8	4.79	26.9	4.88	29.7	4.66
	33	15.0	2.83	18.0	3.58	21.0	4.42	22.4	4.95	23.8	4.81	26.9	5.10	29.7	5.00
	35	15.0	2.98	18.0	3.80	21.0	4.74	22.4	5.34	23.8	5.35	26.9	5.37	29.7	5.39
	37	15.0	3.13	18.0	4.07	21.0	5.07	22.4	5.52	23.8	5.46	26.9	5.55	29.7	5.58
	39	15.0	3.28	18.0	4.32	21.0	5.38	22.4	5.61	23.8	5.62	26.9	5.74	29.7	5.67
41	15.0	3.43	18.0	4.43	21.0	5.50	22.4	5.71	23.8	5.75	26.6	5.85	29.3	5.77	
43	15.0	3.55	18.0	4.49	21.0	5.61	22.4	5.82	23.6	5.88	26.2	5.96	28.9	5.88	
45	15.0	3.63	18.0	4.57	21.0	5.72	22.0	5.93	23.4	5.94	25.9	6.17	28.6	5.99	
47	15.0	3.72	18.0	4.82	21.0	5.83	21.6	6.03	23.1	6.15	25.5	6.28	28.2	6.09	
48	15.0	3.86	18.0	4.89	21.0	5.95	21.4	6.14	22.7	6.37	25.2	6.44	27.8	6.20	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pdm280W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW
70%	10	13.2	1.47	15.7	1.79	18.4	2.13	19.6	2.31	20.8	2.45	23.4	2.82	26.1	2.33
	12	13.2	1.50	15.7	1.82	18.4	2.17	19.6	2.35	20.8	2.53	23.4	2.88	26.1	2.37
	14	13.2	1.52	15.7	1.84	18.4	2.22	19.6	2.38	20.8	2.62	23.4	2.94	26.1	2.40
	15	13.2	1.55	15.7	1.89	18.4	2.26	19.6	2.41	20.8	2.71	23.4	3.05	26.1	2.43
	18	13.2	1.58	15.7	1.91	18.4	2.31	19.6	2.47	20.8	2.84	23.4	3.17	26.1	2.49
	20	13.2	1.63	15.7	1.97	18.4	2.38	19.6	2.60	20.8	2.97	23.4	3.24	26.1	2.63
	21	13.2	1.66	15.7	2.01	18.4	4.20	19.6	2.68	20.8	3.08	23.4	3.33	26.1	2.70
	23	13.2	1.69	15.7	2.08	18.4	2.60	19.6	2.81	20.8	3.15	23.4	3.46	26.1	2.84
	25	13.2	1.75	15.7	2.25	18.4	2.78	19.6	2.99	20.8	3.32	23.4	3.55	26.1	3.02
	27	13.2	1.89	15.7	2.35	18.4	2.93	19.6	3.29	20.8	3.50	23.4	3.73	26.1	3.33
	29	13.2	1.97	15.7	2.60	18.4	3.18	19.6	3.53	20.8	3.71	23.4	3.90	26.1	3.56
	31	13.2	2.17	15.7	2.71	18.4	3.36	19.6	3.77	20.8	3.91	23.4	3.99	26.1	3.81
	33	13.2	2.31	15.7	2.93	18.4	3.61	19.6	4.05	20.8	3.93	23.4	4.16	26.1	4.09
	35	13.2	2.43	15.7	3.10	18.4	3.87	19.6	4.36	20.8	4.37	23.4	4.38	26.1	4.41
	37	13.2	2.56	15.7	3.32	18.4	4.14	19.6	4.51	20.8	4.46	23.4	4.53	26.1	4.55
	39	13.2	2.68	15.7	3.53	18.4	4.40	19.6	4.58	20.8	4.59	23.4	4.69	26.1	4.63
	41	13.2	2.80	15.7	3.62	18.4	4.49	19.6	4.67	20.8	4.70	23.4	4.78	26.1	4.71
43	13.2	2.90	15.7	3.67	18.4	4.58	19.6	4.75	20.8	4.81	23.4	4.87	26.1	4.80	
45	13.2	2.97	15.7	3.74	18.4	4.67	19.6	4.84	20.8	4.85	23.4	5.04	26.1	4.89	
47	13.2	3.04	15.7	3.94	18.4	4.76	19.6	4.93	20.8	5.03	23.4	5.13	26.1	4.98	
48	13.2	3.15	15.7	3.99	18.4	4.86	19.6	5.02	20.8	5.20	23.4	5.26	26.1	5.07	
60%	10	11.3	1.22	13.6	1.48	15.8	1.77	16.8	1.92	18	2.03	20.1	2.34	22.4	1.94
	12	11.3	1.25	13.6	1.51	15.8	1.81	16.8	1.95	18	2.11	20.1	2.40	22.4	1.97
	14	11.3	1.26	13.6	1.53	15.8	1.84	16.8	1.98	18	2.18	20.1	2.44	22.4	2.00
	15	11.3	1.29	13.6	1.57	15.8	1.88	16.8	2.00	18	2.25	20.1	2.53	22.4	2.02
	18	11.3	1.31	13.6	1.59	15.8	1.92	16.8	2.05	18	2.36	20.1	2.63	22.4	2.07
	20	11.3	1.36	13.6	1.63	15.8	1.98	16.8	2.16	18	2.47	20.1	2.70	22.4	2.18
	21	11.3	1.38	13.6	1.67	15.8	4.20	16.8	2.23	18	2.56	20.1	2.77	22.4	2.25
	23	11.3	1.40	13.6	1.73	15.8	2.16	16.8	2.34	18	2.61	20.1	2.88	22.4	2.36
	25	11.3	1.46	13.6	1.87	15.8	2.31	16.8	2.49	18	2.76	20.1	2.95	22.4	2.51
	27	11.3	1.57	13.6	1.95	15.8	2.43	16.8	2.74	18	2.91	20.1	3.10	22.4	2.76
	29	11.3	1.64	13.6	2.16	15.8	2.64	16.8	2.93	18	3.09	20.1	3.24	22.4	2.96
	31	11.3	1.80	13.6	2.25	15.8	2.79	16.8	3.14	18	3.25	20.1	3.31	22.4	3.17
	33	11.3	1.92	13.6	2.43	15.8	3.00	16.8	3.36	18	3.27	20.1	3.46	22.4	3.40
	35	11.3	2.02	13.6	2.58	15.8	3.22	16.8	3.62	18	3.63	20.1	3.64	22.4	3.66
	37	11.3	2.12	13.6	2.76	15.8	3.44	16.8	3.75	18	3.70	20.1	3.77	22.4	3.79
	39	11.3	2.22	13.6	2.93	15.8	3.65	16.8	3.81	18	3.81	20.1	3.90	22.4	3.85
	41	11.3	2.33	13.6	3.01	15.8	3.73	16.8	3.88	18	3.90	20.1	3.97	22.4	3.92
43	11.3	2.41	13.6	3.05	15.8	3.81	16.8	3.95	18	4.00	20.1	4.04	22.4	3.99	
45	11.3	2.47	13.6	3.11	15.8	3.88	16.8	4.02	18	4.03	20.1	4.19	22.4	4.06	
47	11.3	2.53	13.6	3.27	15.8	3.96	16.8	4.10	18	4.18	20.1	4.26	22.4	4.14	
48	11.3	2.62	13.6	3.32	15.8	4.04	16.8	4.17	18	4.32	20.1	4.37	22.4	4.21	
50%	10	9.45	0.96	11.2	1.17	13.1	1.40	14	1.51	15.3	1.60	16.7	1.85	18.6	1.53
	12	9.45	0.98	11.2	1.19	13.1	1.42	14	1.54	15.3	1.66	16.7	1.89	18.6	1.55
	14	9.45	1.00	11.2	1.21	13.1	1.45	14	1.56	15.3	1.72	16.7	1.92	18.6	1.57
	15	9.45	1.02	11.2	1.24	13.1	1.48	14	1.58	15.3	1.78	16.7	2.00	18.6	1.59
	18	9.45	1.04	11.2	1.25	13.1	1.51	14	1.62	15.3	1.86	16.7	2.08	18.6	1.63
	20	9.45	1.07	11.2	1.29	13.1	1.56	14	1.70	15.3	1.95	16.7	2.13	18.6	1.72
	21	9.45	1.09	11.2	1.31	13.1	4.20	14	1.75	15.3	2.02	16.7	2.18	18.6	1.77
	23	9.45	1.11	11.2	1.36	13.1	1.70	14	1.84	15.3	2.06	16.7	2.27	18.6	1.86
	25	9.45	1.15	11.2	1.48	13.1	1.82	14	1.96	15.3	2.18	16.7	2.33	18.6	1.98
	27	9.45	1.24	11.2	1.54	13.1	1.92	14	2.16	15.3	2.29	16.7	2.44	18.6	2.18
	29	9.45	1.29	11.2	1.71	13.1	2.08	14	2.31	15.3	2.43	16.7	2.56	18.6	2.33
	31	9.45	1.42	11.2	1.78	13.1	2.20	14	2.47	15.3	2.56	16.7	2.61	18.6	2.50
	33	9.45	1.51	11.2	1.92	13.1	2.37	14	2.65	15.3	2.58	16.7	2.73	18.6	2.68
	35	9.45	1.59	11.2	2.03	13.1	2.54	14	2.86	15.3	2.86	16.7	2.87	18.6	2.89
	37	9.45	1.67	11.2	2.18	13.1	2.71	14	2.95	15.3	2.92	16.7	2.97	18.6	2.98
	39	9.45	1.75	11.2	2.31	13.1	2.88	14	3.00	15.3	3.01	16.7	3.07	18.6	3.03
	41	9.45	1.83	11.2	2.37	13.1	2.94	14	3.06	15.3	3.08	16.7	3.13	18.6	3.09
43	9.45	1.90	11.2	2.40	13.1	3.00	14	3.11	15.3	3.15	16.7	3.19	18.6	3.15	
45	9.45	1.95	11.2	2.45	13.1	3.06	14	3.17	15.3	3.18	16.7	3.30	18.6	3.20	
47	9.45	1.99	11.2	2.58	13.1	3.12	14	3.23	15.3	3.29	16.7	3.36	18.6	3.26	
48	9.45	2.06	11.2	2.61	13.1	3.18	14	3.29	15.3	3.41	16.7	3.45	18.6	3.32	

GMV-Pdm335W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW
130%	10	29.7	3.13	35.3	3.82	40.7	4.56	42.6	4.93	43.0	5.23	43.7	6.02	44.7	4.98
	12	29.7	3.21	35.3	3.89	40.7	4.64	41.9	5.02	42.4	5.42	35.9	6.16	44.4	5.07
	14	29.7	3.25	35.3	3.94	40.4	4.74	41.3	5.08	41.4	5.60	42.6	6.28	43.7	5.13
	15	29.7	3.31	35.3	4.04	40.0	4.83	40.7	5.15	41.0	5.79	42.2	6.51	43.1	5.20
	18	29.7	3.38	35.3	4.09	39.5	4.93	40.1	5.28	40.4	6.07	41.5	6.77	42.4	5.33
	20	29.7	3.49	35.3	4.20	39.0	5.08	39.6	5.56	40.1	6.35	41.0	6.93	42.0	5.61
	21	29.7	3.55	35.3	4.29	38.8	5.16	39.3	5.72	39.5	6.59	40.7	7.12	41.8	5.78
	23	29.7	3.61	35.3	4.44	38.3	5.55	39.0	6.01	39.0	6.73	40.3	7.40	41.4	6.07
	25	29.7	3.75	35.3	4.82	37.7	5.95	38.4	6.40	38.4	7.10	39.6	7.59	40.7	6.46
	27	29.7	4.04	35.3	5.02	37.0	6.26	38.0	7.04	37.7	7.47	39.5	7.96	40.4	7.11
	29	29.7	4.21	35.3	5.57	36.5	6.80	37.7	7.54	37.2	7.94	38.8	8.34	39.6	7.62
	31	29.7	4.63	35.1	5.80	35.9	7.19	36.8	8.06	36.5	8.36	37.9	8.53	39.2	8.14
	33	29.7	4.94	34.5	6.26	35.7	7.72	36.5	8.65	36.0	8.41	37.7	8.90	38.6	8.74
	35	29.7	5.20	34.0	6.63	34.7	8.28	35.9	9.32	35.9	9.34	36.8	9.37	38.2	9.42
	37	29.7	5.46	33.4	7.11	34.2	8.85	35.1	9.64	35.4	9.53	36.5	9.69	37.7	9.74
	39	29.7	5.72	32.9	7.54	33.9	9.40	34.7	9.80	34.9	9.81	36.1	10.02	37.1	9.90
	41	29.7	5.98	32.7	7.74	33.5	9.59	34.4	9.97	34.6	10.04	35.7	10.21	36.7	10.07
43	29.7	6.20	32.4	7.84	33.1	9.79	34.1	10.16	34.2	10.28	35.3	10.40	36.3	10.26	
45	29.7	6.35	32.2	7.99	32.7	9.99	33.8	10.35	33.9	10.37	34.9	10.77	36.0	10.45	
47	29.7	6.50	31.9	8.42	32.3	10.18	33.5	10.53	33.5	10.74	34.5	10.96	35.6	10.64	
48	29.7	6.74	31.7	8.53	31.9	10.38	33.3	10.72	33.1	11.12	34.1	11.24	35.2	10.83	
120%	10	27.3	3.12	32.3	3.80	37.6	4.54	40.2	4.91	42.1	5.21	43.2	6.00	44.1	4.96
	12	27.3	3.20	32.3	3.88	37.6	4.63	40.2	5.00	41.5	5.40	42.6	6.14	43.5	5.05
	14	27.3	3.24	32.3	3.92	37.6	4.72	40.2	5.06	40.9	5.58	41.9	6.25	43.1	5.11
	15	27.3	3.30	32.3	4.02	37.6	4.82	40.0	5.13	40.4	5.77	41.5	6.49	42.5	5.18
	18	27.3	3.37	32.3	4.07	37.6	4.91	39.4	5.26	40.1	6.05	40.9	6.75	41.9	5.31
	20	27.3	3.47	32.3	4.19	37.6	5.06	38.9	5.53	39.2	6.33	40.4	6.91	41.4	5.59
	21	27.3	3.53	32.3	4.27	37.6	5.16	38.5	5.70	38.9	6.56	40.1	7.09	41.2	5.76
	23	27.3	3.60	32.3	4.42	37.6	5.53	38.0	5.99	38.4	6.70	39.5	7.37	40.9	6.05
	25	27.3	3.73	32.3	4.80	36.8	5.93	37.4	6.37	37.8	7.07	39.0	7.56	40.6	6.43
	27	27.3	4.03	32.3	5.00	36.4	6.23	37.0	7.01	37.6	7.44	38.3	7.93	40.1	7.08
	29	27.3	4.20	32.3	5.55	35.9	6.77	36.4	7.51	37.0	7.91	37.7	8.31	39.2	7.59
	31	27.3	4.61	32.3	5.78	35.3	7.16	35.9	8.03	36.5	8.33	37.3	8.49	39.0	8.11
	33	27.3	4.92	32.3	6.23	34.9	7.69	35.3	8.62	35.7	8.37	36.8	8.87	38.3	8.70
	35	27.3	5.18	32.3	6.60	34.3	8.25	34.7	9.29	35.4	9.30	36.4	9.33	37.8	9.38
	37	27.3	5.44	32.3	7.08	33.9	8.81	34.2	9.60	34.7	9.49	35.8	9.65	37.3	9.70
	39	27.3	5.70	32.2	7.51	33.3	9.36	33.6	9.76	34.0	9.77	35.3	9.99	36.7	9.86
	41	27.3	5.96	31.8	7.71	32.8	9.56	33.1	9.94	33.5	10.00	34.8	10.17	36.2	10.03
43	27.3	6.17	31.4	7.81	32.4	9.75	32.6	10.12	33.0	10.23	34.2	10.36	35.7	10.22	
45	27.3	6.32	31.0	7.96	31.9	9.95	32.1	10.31	32.5	10.33	33.7	10.73	35.3	10.41	
47	27.3	6.48	30.6	8.38	31.4	10.14	31.7	10.49	32.0	10.70	33.2	10.92	34.8	10.60	
48	27.3	6.71	30.1	8.50	31.0	10.34	31.2	10.68	31.5	11.07	32.7	11.20	34.3	10.79	
110%	10	24.9	3.11	29.7	3.79	34.5	4.53	36.8	4.89	39.2	5.19	42.4	5.98	43.3	4.94
	12	24.9	3.18	29.7	3.86	34.5	4.61	36.8	4.98	39.2	5.37	41.9	6.12	42.7	5.03
	14	24.9	3.23	29.7	3.91	34.5	4.70	36.8	5.04	39.2	5.56	41.2	6.23	42.2	5.09
	15	24.9	3.29	29.7	4.00	34.5	4.80	36.8	5.11	39.2	5.75	40.7	6.46	41.4	5.16
	18	24.9	3.35	29.7	4.06	34.5	4.89	36.8	5.23	39.2	6.02	40.2	6.72	41.0	5.29
	20	24.9	3.46	29.7	4.17	34.5	5.04	36.8	5.51	38.5	6.30	39.6	6.88	40.4	5.57
	21	24.9	3.52	29.7	4.25	34.5	5.16	36.8	5.68	38.4	6.53	39.4	7.06	40.2	5.74
	23	24.9	3.58	29.7	4.41	34.5	5.51	36.8	5.97	37.7	6.67	38.9	7.34	39.6	6.02
	25	24.9	3.72	29.7	4.78	34.5	5.90	36.8	6.34	37.4	7.04	38.2	7.53	39.2	6.41
	27	24.9	4.01	29.7	4.98	34.5	6.21	36.3	6.98	36.8	7.41	37.7	7.90	38.5	7.05
	29	24.9	4.18	29.7	5.52	34.5	6.74	35.7	7.48	36.5	7.88	37.1	8.27	38.2	7.56
	31	24.9	4.59	29.7	5.75	34.5	7.13	35.3	8.00	35.8	8.29	36.6	8.46	37.6	8.08
	33	24.9	4.90	29.7	6.21	34.2	7.66	34.7	8.58	35.3	8.34	36.1	8.83	37.0	8.67
	35	24.9	5.16	29.7	6.58	33.6	8.21	34.1	9.25	34.6	9.27	35.5	9.29	36.4	9.34
	37	24.9	5.42	29.7	7.05	33.0	8.78	33.6	9.56	34.2	9.45	34.8	9.61	35.8	9.66
	39	24.9	5.68	29.7	7.48	32.5	9.32	33.0	9.72	33.6	9.73	34.6	9.95	35.3	9.82
	41	24.9	5.93	29.3	7.68	32.1	9.52	32.6	9.90	33.2	9.96	34.2	10.13	34.9	9.99
43	24.9	6.15	28.8	7.78	31.7	9.72	32.3	10.08	32.8	10.19	33.8	10.32	34.4	10.18	
45	24.9	6.30	28.4	7.92	31.3	9.91	31.9	10.27	32.3	10.29	33.4	10.69	34.0	10.37	
47	24.9	6.45	28.0	8.35	30.9	10.10	31.5	10.45	31.9	10.66	32.9	10.87	33.6	10.56	
48	24.9	6.68	27.6	8.46	30.4	10.30	31.2	10.64	31.5	11.03	32.5	11.15	33.1	10.74	

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GMV-Pdm335W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	22.5	3.10	26.7	3.78	31.5	4.52	33.5	4.88	35.5	5.18	40.1	5.96	42.4	4.93
	12	22.5	3.18	26.7	3.85	31.5	4.60	33.5	4.97	35.5	5.36	40.1	6.10	41.6	5.02
	14	22.5	3.22	26.7	3.90	31.5	4.69	33.5	5.03	35.5	5.55	40.1	6.22	41.3	5.08
	15	22.5	3.28	26.7	4.00	31.5	4.79	33.5	5.09	35.5	5.73	39.8	6.45	40.7	5.15
	18	22.5	3.35	26.7	4.05	31.5	4.88	33.5	5.22	35.5	6.01	39.4	6.71	40.3	5.28
	20	22.5	3.45	26.7	4.16	31.5	5.03	33.5	5.50	35.5	6.29	38.8	6.86	39.5	5.56
	21	22.5	3.51	26.7	4.25	31.5	5.16	33.5	5.67	35.5	6.52	38.5	7.05	39.2	5.72
	23	22.5	3.57	26.7	4.40	31.5	5.50	33.5	5.95	35.5	6.66	38.0	7.33	38.6	6.01
	25	22.5	3.71	26.7	4.77	31.5	5.89	33.5	6.33	35.5	7.03	37.4	7.51	38.3	6.40
	27	22.5	4.00	26.7	4.97	31.5	6.20	33.5	6.97	35.5	7.40	36.8	7.88	37.8	7.04
	29	22.5	4.17	26.7	5.51	31.5	6.73	33.5	7.47	35.3	7.86	36.4	8.26	37.1	7.54
	31	22.5	4.58	26.7	5.74	31.5	7.11	33.5	7.98	34.9	8.28	35.8	8.44	36.5	8.06
	33	22.5	4.89	26.7	6.20	31.5	7.65	33.5	8.57	34.3	8.32	35.3	8.81	36.0	8.65
	35	22.5	5.15	26.7	6.56	31.5	8.20	33.5	9.23	33.7	9.25	34.6	9.28	35.7	9.32
	37	22.5	5.41	26.7	7.04	31.5	8.76	32.8	9.54	33.4	9.43	34.2	9.59	35.1	9.64
	39	22.5	5.67	26.7	7.47	31.5	9.30	32.3	9.70	32.7	9.71	33.5	9.93	34.3	9.80
	41	22.5	5.92	26.7	7.67	31.5	9.50	32.3	9.88	32.7	9.94	33.5	10.11	34.1	9.97
	43	22.5	6.13	26.7	7.76	31.5	9.70	32.3	10.06	32.3	10.17	33.3	10.30	33.7	10.16
45	22.5	6.28	26.7	7.91	31.1	9.89	31.7	10.25	32.1	10.27	33.0	10.67	33.5	10.35	
47	22.5	6.44	26.7	8.33	30.9	10.08	31.1	10.43	31.5	10.64	32.7	10.85	33.0	10.53	
48	22.5	6.67	26.7	8.45	30.5	10.28	30.9	10.61	31.2	11.01	32.4	11.13	32.8	10.72	
90%	10	20.3	2.60	24.4	3.18	28.1	3.79	30.1	4.10	32.2	4.35	36.1	5.01	39.8	4.14
	12	20.3	2.67	24.4	3.24	28.1	3.86	30.1	4.17	32.2	4.51	36.1	5.13	39.7	4.21
	14	20.3	2.70	24.4	3.27	28.1	3.94	30.1	4.23	32.2	4.66	36.1	5.22	39.7	4.27
	15	20.3	2.76	24.4	3.36	28.1	4.02	30.1	4.28	32.2	4.82	36.1	5.42	39.7	4.32
	18	20.3	2.81	24.4	3.40	28.1	4.10	30.1	4.39	32.2	5.05	36.1	5.63	3.9	4.43
	20	20.3	2.90	24.4	3.49	28.1	4.23	30.1	4.62	32.2	5.28	36.1	5.77	38.9	4.67
	21	20.3	2.95	24.4	3.57	28.1	5.16	30.1	4.76	32.2	5.48	36.1	5.92	38.5	4.81
	23	20.3	3.00	24.4	3.69	28.1	4.62	30.1	5.00	32.2	5.59	36.1	6.16	37.7	5.05
	25	20.3	3.11	24.4	4.01	28.1	4.95	30.1	5.32	32.2	5.90	36.1	6.31	37.1	5.37
	27	20.3	3.36	24.4	4.17	28.1	5.20	30.1	5.85	32.2	6.21	36.0	6.62	36.7	5.91
	29	20.3	3.50	24.4	4.63	28.1	5.65	30.1	6.27	32.2	6.60	35.8	6.93	36.4	6.34
	31	20.3	3.85	24.4	4.82	28.1	5.98	30.1	6.71	32.2	6.95	35.2	7.09	35.7	6.77
	33	20.3	4.11	24.4	5.20	28.1	6.42	30.1	7.20	32.2	6.99	34.5	7.40	35.3	7.27
	35	20.3	4.33	24.4	5.51	28.1	6.88	30.1	7.75	32.2	7.77	33.9	7.79	34.7	7.83
	37	20.3	4.54	24.4	5.91	28.1	7.36	30.1	8.02	32.2	7.92	33.0	8.06	34.0	8.10
	39	20.3	4.76	24.4	6.27	28.1	7.81	30.1	8.15	32.2	8.16	32.7	8.34	33.5	8.23
	41	20.3	4.98	24.4	6.44	28.1	7.98	30.1	8.30	31.7	8.35	32.3	8.49	33.1	8.38
	43	20.3	5.15	24.4	6.52	28.1	8.14	29.9	8.45	31.5	8.55	31.9	8.65	32.8	8.54
45	20.3	5.28	24.4	6.64	28.1	8.31	29.4	8.61	31.2	8.62	31.5	8.96	32.4	8.69	
47	20.3	5.41	24.4	7.00	28.1	8.47	29.0	8.76	30.7	8.93	31.2	9.12	32.0	8.85	
48	20.3	5.60	24.4	7.09	28.1	8.63	28.8	8.92	30.3	9.24	30.8	9.35	31.6	9.01	
80%	10	18.1	2.20	21.5	2.68	25.1	3.21	26.8	3.47	28.5	3.68	32.2	4.23	35.7	3.50
	12	17.9	2.26	21.5	2.74	25.1	3.26	26.8	3.53	28.5	3.81	32.2	4.33	35.5	3.56
	14	17.9	2.29	21.5	2.77	25.1	3.33	26.8	3.57	28.5	3.94	32.2	4.41	35.5	3.61
	15	17.9	2.33	21.5	2.84	25.1	3.40	26.8	3.62	28.5	4.07	32.2	4.58	35.5	3.65
	18	17.9	2.38	21.5	2.87	25.1	3.47	26.8	3.71	28.5	4.27	32.2	4.76	35.5	3.75
	20	17.9	2.45	21.5	2.95	25.1	3.57	26.8	3.91	28.5	4.47	32.2	4.87	35.5	3.94
	21	17.9	2.49	21.5	3.01	25.1	5.16	26.8	4.02	28.5	4.63	32.2	5.01	35.5	4.06
	23	17.9	2.54	21.5	3.12	25.1	3.90	26.8	4.23	28.5	4.73	32.2	5.20	35.5	4.27
	25	17.9	2.63	21.5	3.39	25.1	4.18	26.8	4.50	28.5	4.99	32.2	5.33	35.5	4.54
	27	17.9	2.84	21.5	3.53	25.1	4.40	26.8	4.95	28.5	5.25	32.2	5.60	35.5	5.00
	29	17.9	2.96	21.5	3.91	25.1	4.78	26.8	5.30	28.5	5.58	32.2	5.86	35.5	5.35
	31	17.9	3.25	21.5	4.08	25.1	5.05	26.8	5.67	28.5	5.88	32.2	5.99	35.5	5.73
	33	17.9	3.47	21.5	4.40	25.1	5.43	26.8	6.08	28.5	5.91	32.2	6.26	35.5	6.14
	35	17.9	3.66	21.5	4.66	25.1	5.82	26.8	6.55	28.5	6.57	32.2	6.59	35.5	6.62
	37	17.9	3.84	21.5	4.99	25.1	6.22	26.8	6.78	28.5	6.70	32.2	6.81	35.5	6.84
	39	17.9	4.02	21.5	5.30	25.1	6.60	26.8	6.89	28.5	6.89	32.2	7.05	35.5	6.96
	41	17.9	4.21	21.5	5.44	25.1	6.74	26.8	7.01	28.5	7.06	31.8	7.18	35.1	7.08
	43	17.9	4.36	21.5	5.51	25.1	6.88	26.8	7.14	28.2	7.22	31.3	7.31	34.6	7.21
45	17.9	4.46	21.5	5.61	25.1	7.02	26.3	7.27	28.0	7.29	30.9	7.57	34.2	7.35	
47	17.9	4.57	21.5	5.92	25.1	7.16	25.8	7.41	27.6	7.55	30.5	7.71	33.7	7.48	
48	17.9	4.74	21.5	6.00	25.1	7.30	25.6	7.54	27.2	7.81	30.1	7.90	33.3	7.61	

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GMV-Pdm400W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	35.4	4.22	42.1	5.15	48.6	6.15	50.9	6.65	51.3	7.06	52.1	8.13	53.4	6.72
	12	35.4	4.53	42.1	5.50	48.6	6.56	50.0	7.09	50.6	7.65	42.9	8.71	53.0	7.16
	14	35.4	4.59	42.1	5.56	48.3	6.69	49.3	7.18	49.4	7.92	50.9	8.87	52.1	7.25
	15	35.4	4.68	42.1	5.70	47.7	6.83	48.6	7.27	49.0	8.18	50.4	9.20	51.4	7.34
	18	35.4	4.78	42.1	5.78	47.1	6.97	47.9	7.45	48.3	8.58	49.6	9.57	50.6	7.53
	20	35.4	4.92	42.1	5.94	46.6	7.18	47.3	7.85	47.9	8.97	49.0	9.79	50.1	7.93
	21	35.4	5.01	42.1	6.06	46.3	7.28	47.0	8.09	47.1	9.30	48.6	10.06	49.9	8.17
	23	35.4	5.10	42.1	6.27	45.7	7.85	46.6	8.49	46.6	9.50	48.1	10.46	49.4	8.58
	25	35.4	5.29	42.1	6.81	45.0	8.41	45.9	9.03	45.9	10.03	47.3	10.72	48.6	9.12
	27	35.4	5.71	42.1	7.09	44.1	8.84	45.4	9.94	45.0	10.56	47.1	11.25	48.3	10.04
	29	35.4	5.95	42.1	7.87	43.6	9.60	45.0	10.65	44.4	11.22	46.3	11.78	47.3	10.76
	31	35.4	6.54	41.9	8.19	42.9	10.15	44.0	11.39	43.6	11.81	45.3	12.04	46.9	11.51
	33	35.4	6.98	41.1	8.84	42.6	10.91	43.6	12.22	43.0	11.88	45.0	12.57	46.1	12.34
	35	35.4	7.02	40.6	8.94	41.4	11.17	42.9	12.57	42.9	12.60	44.0	12.64	45.6	12.70
	37	35.4	7.72	39.9	10.04	40.9	12.50	41.9	13.62	42.3	13.46	43.6	13.69	45.0	13.75
	39	35.4	8.08	39.3	10.66	40.4	13.27	41.4	13.84	41.7	13.86	43.1	14.16	44.3	13.98
	41	35.4	8.45	39.0	10.94	40.0	13.55	41.1	14.09	41.3	14.19	42.7	14.43	43.8	14.23
	43	35.4	8.75	38.7	11.08	39.5	13.84	40.7	14.36	40.9	14.52	42.2	14.69	43.4	14.50
45	35.4	8.97	38.4	11.28	39.0	14.12	40.4	14.62	40.4	14.65	41.7	15.22	43.0	14.76	
47	35.4	9.19	38.1	11.89	38.5	14.38	40.1	14.88	40.0	15.18	41.2	15.49	42.5	15.03	
48	35.4	9.52	37.9	12.05	38.1	14.67	39.7	15.15	39.6	15.70	40.7	15.88	42.1	15.30	
120%	10	32.6	4.41	38.6	5.37	44.9	6.42	48.0	6.94	50.3	7.36	51.6	8.48	52.7	7.01
	12	32.6	4.52	38.6	5.47	44.9	6.53	48.0	7.06	49.6	7.62	50.9	8.67	52.0	7.13
	14	32.6	4.57	38.6	5.54	44.9	6.66	48.0	7.15	48.9	7.89	50.0	8.83	51.4	7.22
	15	32.6	4.66	38.6	5.68	44.9	6.80	47.7	7.24	48.3	8.15	49.6	9.16	50.7	7.31
	18	32.6	4.76	38.6	5.75	44.9	6.94	47.0	7.42	47.9	8.54	48.9	9.53	50.0	7.50
	20	32.6	4.90	38.6	5.91	44.9	7.15	46.4	7.82	46.9	8.94	48.3	9.76	49.4	7.90
	21	32.6	4.99	38.6	6.03	44.9	7.28	46.0	8.05	46.4	9.27	47.9	10.02	49.1	8.13
	23	32.6	5.08	38.6	6.25	44.9	7.82	45.4	8.46	45.9	9.46	47.1	10.41	48.9	8.55
	25	32.6	5.27	38.6	6.78	44.0	8.38	44.7	9.00	45.1	9.99	46.6	10.68	48.4	9.09
	27	32.6	5.69	38.6	7.06	43.4	8.81	44.1	9.90	44.9	10.52	45.7	11.21	47.9	10.00
	29	32.6	5.93	38.6	7.83	42.9	9.56	43.4	10.61	44.1	11.17	45.0	11.73	46.9	10.72
	31	32.6	6.51	38.6	8.16	42.1	10.11	42.9	11.35	43.6	11.76	44.6	12.00	46.6	11.46
	33	32.6	6.95	38.6	8.80	41.7	10.87	42.1	12.17	42.6	11.83	44.0	12.52	45.7	12.30
	35	32.6	7.32	38.6	9.33	41.0	11.65	41.4	13.12	42.3	13.14	43.4	13.18	45.1	13.25
	37	32.6	7.69	38.6	10.00	40.4	12.45	40.9	13.56	41.4	13.41	42.7	13.63	44.6	13.70
	39	32.6	8.05	38.4	10.61	39.7	13.22	40.1	13.79	40.6	13.80	42.1	14.11	43.9	13.92
	41	32.6	8.42	37.9	10.89	39.2	13.50	39.6	14.04	40.0	14.13	41.5	14.37	43.3	14.18
	43	32.6	8.72	37.5	11.03	38.6	13.78	39.0	14.30	39.4	14.46	40.9	14.63	42.7	14.44
45	32.6	8.93	37.0	11.24	38.1	14.06	38.4	14.56	38.8	14.59	40.3	15.16	42.1	14.71	
47	32.6	9.15	36.5	11.84	37.5	14.33	37.8	14.82	38.2	15.12	39.6	15.42	41.5	14.97	
48	32.6	9.48	36.0	12.00	37.0	14.61	37.2	15.09	37.6	15.64	39.0	15.82	40.9	15.24	
110%	10	29.7	4.39	35.4	5.35	41.1	6.39	44.0	6.91	46.9	7.33	50.6	8.44	51.7	6.98
	12	29.7	4.50	35.4	5.45	41.1	6.51	44.0	7.03	46.9	7.59	50.0	8.64	51.0	7.10
	14	29.7	4.56	35.4	5.52	41.1	6.64	44.0	7.12	46.9	7.86	49.1	8.80	50.4	7.19
	15	29.7	4.64	35.4	5.66	41.1	6.78	44.0	7.21	46.9	8.12	48.6	9.13	49.4	7.28
	18	29.7	4.74	35.4	5.73	41.1	6.91	44.0	7.40	46.9	8.51	48.0	9.49	49.0	7.47
	20	29.7	4.88	35.4	5.89	41.1	7.12	44.0	7.79	46.0	8.90	47.3	9.72	48.3	7.86
	21	29.7	4.97	35.4	6.01	41.1	7.28	44.0	8.02	45.9	9.23	47.0	9.98	48.0	8.10
	23	29.7	5.06	35.4	6.22	41.1	7.79	44.0	8.43	45.0	9.43	46.4	10.37	47.3	8.51
	25	29.7	5.25	35.4	6.75	41.1	8.34	44.0	8.96	44.7	9.95	45.6	10.64	46.9	9.05
	27	29.7	5.66	35.4	7.03	41.1	8.77	43.3	9.86	44.0	10.47	45.0	11.16	46.0	9.96
	29	29.7	5.91	35.4	7.80	41.1	9.53	42.6	10.57	43.6	11.13	44.3	11.69	45.6	10.68
	31	29.7	6.49	35.4	8.13	41.1	10.07	42.1	11.30	42.7	11.72	43.7	11.95	44.9	11.41
	33	29.7	6.93	35.4	8.77	40.9	10.82	41.4	12.12	42.1	11.78	43.1	12.47	44.1	12.25
	35	29.7	7.29	35.4	9.29	40.1	11.60	40.7	13.07	41.3	13.09	42.4	13.13	43.4	13.20
	37	29.7	7.66	35.4	9.96	39.4	12.40	40.1	13.51	40.9	13.35	41.6	13.58	42.7	13.64
	39	29.7	8.02	35.4	10.57	38.9	13.17	39.4	13.73	40.1	13.75	41.3	14.05	42.1	13.87
	41	29.7	8.38	34.9	10.85	38.4	13.45	39.0	13.98	39.6	14.07	40.8	14.31	41.6	14.12
	43	29.7	8.68	34.4	10.99	37.9	13.73	38.5	14.24	39.1	14.40	40.3	14.58	41.1	14.38
45	29.7	8.89	33.9	11.19	37.4	14.00	38.1	14.50	38.6	14.53	39.8	15.10	40.6	14.65	
47	29.7	9.11	33.4	11.80	36.9	14.27	37.7	14.76	38.1	15.06	39.3	15.36	40.1	14.91	
48	29.7	9.44	32.9	11.96	36.4	14.55	37.2	15.03	37.6	15.58	38.9	15.76	39.6	15.18	

GMV-Pdm400W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW		kW		kW		kW		kW		kW		kW	
100%	10	26.9	4.18	31.9	5.10	37.6	6.09	40.0	6.59	42.4	6.99	47.9	8.05	50.6	6.65
	12	26.9	4.49	31.9	5.44	37.6	6.50	40.0	7.02	42.4	7.58	47.9	8.62	49.7	7.09
	14	26.9	4.55	31.9	5.51	37.6	6.62	40.0	7.11	42.4	7.84	47.9	8.78	49.3	7.18
	15	26.9	4.63	31.9	5.65	37.6	6.76	40.0	7.20	42.4	8.10	47.6	9.11	48.6	7.27
	18	26.9	4.73	31.9	5.72	37.6	6.90	40.0	7.38	42.4	8.49	47.0	9.47	48.1	7.45
	20	26.9	4.87	31.9	5.88	37.6	7.11	40.0	7.77	42.4	8.88	46.3	9.70	47.1	7.85
	21	26.9	4.96	31.9	6.00	37.6	7.28	40.0	8.01	42.4	9.21	46.0	9.96	46.9	8.09
	23	26.9	5.05	31.9	6.21	37.6	7.77	40.0	8.41	42.4	9.41	45.4	10.35	46.1	8.49
	25	26.9	5.24	31.9	6.74	37.6	8.33	40.0	8.95	42.4	9.93	44.7	10.61	45.7	9.03
	27	26.9	5.65	31.9	7.02	37.6	8.75	40.0	9.84	42.4	10.45	44.0	11.14	45.1	9.94
	29	26.9	5.89	31.9	7.79	37.6	9.51	40.0	10.55	42.1	11.11	43.4	11.66	44.3	10.65
	31	26.9	6.48	31.9	8.11	37.6	10.05	40.0	11.28	41.7	11.69	42.7	11.93	43.6	11.39
	33	26.9	6.91	31.9	8.75	37.6	10.80	40.0	12.10	41.0	11.76	42.1	12.45	43.0	12.22
	35	26.9	6.95	31.9	8.85	37.6	11.06	40.0	12.45	40.3	12.47	41.3	12.51	42.6	12.57
	37	26.9	7.64	31.9	9.94	37.6	12.38	39.1	13.48	39.9	13.33	40.9	13.55	41.9	13.62
	39	26.9	8.00	31.9	10.55	37.6	13.14	38.6	13.70	39.0	13.72	40.0	14.02	41.0	13.84
41	26.9	8.37	31.9	10.83	37.6	13.42	38.6	13.95	39.0	14.05	40.0	14.28	40.7	14.09	
43	26.9	8.67	31.9	10.97	37.6	13.70	38.6	14.21	38.6	14.37	39.7	14.55	40.3	14.36	
45	26.9	8.88	31.9	11.17	37.1	13.98	37.9	14.47	38.3	14.50	39.4	15.07	40.0	14.62	
47	26.9	9.10	31.9	11.77	36.9	14.24	37.1	14.73	37.6	15.03	39.0	15.33	39.4	14.88	
48	26.9	9.42	31.9	11.93	36.4	14.52	36.9	15.00	37.3	15.55	38.7	15.73	39.1	15.15	
90%	10	24.3	3.68	29.1	4.49	33.6	5.36	36.0	5.79	38.4	6.15	43.1	7.08	47.6	5.85
	12	24.3	3.77	29.1	4.57	33.6	5.46	36.0	5.89	38.4	6.37	43.1	7.24	47.4	5.95
	14	24.3	3.82	29.1	4.63	33.6	5.56	36.0	5.97	38.4	6.59	43.1	7.38	47.4	6.03
	15	24.3	3.89	29.1	4.74	33.6	5.68	36.0	6.05	38.4	6.80	43.1	7.65	47.4	6.11
	18	24.3	3.97	29.1	4.81	33.6	5.80	36.0	6.20	38.4	7.13	43.1	7.96	4.7	6.26
	20	24.3	4.09	29.1	4.94	33.6	5.97	36.0	6.53	38.4	7.46	43.1	8.15	46.4	6.59
	21	24.3	4.17	29.1	5.04	33.6	7.28	36.0	6.73	38.4	7.74	43.1	8.37	46.0	6.79
	23	24.3	4.24	29.1	5.22	33.6	6.53	36.0	7.06	38.4	7.90	43.1	8.70	45.0	7.14
	25	24.3	4.40	29.1	5.66	33.6	6.99	36.0	7.51	38.4	8.34	43.1	8.92	44.3	7.59
	27	24.3	4.75	29.1	5.90	33.6	7.35	36.0	8.27	38.4	8.78	43.0	9.36	43.9	8.35
	29	24.3	4.95	29.1	6.54	33.6	7.99	36.0	8.86	38.4	9.33	42.7	9.80	43.4	8.95
	31	24.3	5.44	29.1	6.81	33.6	8.44	36.0	9.47	38.4	9.82	42.0	10.02	42.6	9.57
	33	24.3	5.81	29.1	7.35	33.6	9.07	36.0	10.16	38.4	9.88	41.1	10.46	42.1	10.27
	35	24.3	6.11	29.1	7.79	33.6	9.73	36.0	10.95	38.4	10.98	40.4	11.01	41.4	11.06
	37	24.3	6.42	29.1	8.35	33.6	10.40	36.0	11.33	38.4	11.19	39.4	11.38	40.6	11.44
	39	24.3	6.72	29.1	8.86	33.6	11.04	36.0	11.51	38.4	11.52	39.0	11.78	40.0	11.63
41	24.3	7.03	29.1	9.10	33.6	11.27	36.0	11.72	37.9	11.80	38.6	12.00	39.6	11.84	
43	24.3	7.28	29.1	9.21	33.6	11.51	35.7	11.94	37.6	12.07	38.1	12.22	39.1	12.06	
45	24.3	7.46	29.1	9.38	33.6	11.74	35.1	12.16	37.3	12.18	37.7	12.66	38.7	12.28	
47	24.3	7.64	29.1	9.89	33.6	11.96	34.6	12.38	36.7	12.62	37.2	12.88	38.2	12.50	
48	24.3	7.91	29.1	10.02	33.6	12.20	34.4	12.60	36.1	13.06	36.8	13.21	37.8	12.72	
80%	10	21.6	3.11	25.7	3.79	30.0	4.53	32.0	4.90	34.0	5.19	38.4	5.98	42.6	4.95
	12	21.4	3.19	25.7	3.86	30.0	4.61	32.0	4.98	34.0	5.38	38.4	6.12	42.4	5.03
	14	21.4	3.23	25.7	3.91	30.0	4.70	32.0	5.05	34.0	5.57	38.4	6.23	42.4	5.10
	15	21.4	3.29	25.7	4.01	30.0	4.80	32.0	5.11	34.0	5.75	38.4	6.47	42.4	5.16
	18	21.4	3.36	25.7	4.06	30.0	4.90	32.0	5.24	34.0	6.03	38.4	6.73	42.4	5.29
	20	21.4	3.46	25.7	4.17	30.0	5.05	32.0	5.52	34.0	6.31	38.4	6.89	42.4	5.57
	21	21.4	3.52	25.7	4.26	30.0	7.28	32.0	5.68	34.0	6.54	38.4	7.07	42.4	5.74
	23	21.4	3.59	25.7	4.41	30.0	5.52	32.0	5.97	34.0	6.68	38.4	7.35	42.4	6.03
	25	21.4	3.72	25.7	4.79	30.0	5.91	32.0	6.35	34.0	7.05	38.4	7.54	42.4	6.41
	27	21.4	4.01	25.7	4.98	30.0	6.22	32.0	6.99	34.0	7.42	38.4	7.91	42.4	7.06
	29	21.4	4.18	25.7	5.53	30.0	6.75	32.0	7.49	34.0	7.89	38.4	8.28	42.4	7.56
	31	21.4	4.60	25.7	5.76	30.0	7.14	32.0	8.01	34.0	8.30	38.4	8.47	42.4	8.09
	33	21.4	4.91	25.7	6.21	30.0	7.67	32.0	8.59	34.0	8.35	38.4	8.84	42.4	8.68
	35	21.4	5.17	25.7	6.58	30.0	8.22	32.0	9.26	34.0	9.28	38.4	9.30	42.4	9.35
	37	21.4	5.42	25.7	7.06	30.0	8.79	32.0	9.57	34.0	9.46	38.4	9.62	42.4	9.67
	39	21.4	5.68	25.7	7.49	30.0	9.33	32.0	9.73	34.0	9.74	38.4	9.96	42.4	9.83
41	21.4	5.94	25.7	7.69	30.0	9.53	32.0	9.91	34.0	9.97	37.9	10.14	41.9	10.01	
43	21.4	6.15	25.7	7.79	30.0	9.73	32.0	10.09	33.7	10.20	37.4	10.33	41.3	10.19	
45	21.4	6.30	25.7	7.93	30.0	9.92	31.4	10.28	33.4	10.30	36.9	10.70	40.8	10.38	
47	21.4	6.46	25.7	8.36	30.0	10.11	30.9	10.46	33.0	10.67	36.4	10.89	40.3	10.57	
48	21.4	6.69	25.7	8.47	30.0	10.31	30.6	10.65	32.4	11.04	35.9	11.17	39.7	10.75	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pdm400W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	18.9	2.43	22.4	2.96	26.3	3.53	28.0	3.82	29.7	4.05	33.4	4.67	37.3	3.86
	12	18.9	2.60	22.4	3.16	26.3	3.77	28.0	4.07	29.7	4.40	33.4	5.00	37.3	4.11
	14	18.9	2.64	22.4	3.19	26.3	3.84	28.0	4.12	29.7	4.55	33.4	5.09	37.3	4.16
	15	18.9	2.69	22.4	3.27	26.3	3.92	28.0	4.17	29.7	4.70	33.4	5.28	37.3	4.22
	18	18.9	2.74	22.4	3.32	26.3	4.00	28.0	4.28	29.7	4.93	33.4	5.50	37.3	4.32
	20	18.9	2.83	22.4	3.41	26.3	4.12	28.0	4.51	29.7	5.15	33.4	5.62	37.3	4.55
	21	18.9	2.88	22.4	3.48	26.3	7.28	28.0	4.64	29.7	5.34	33.4	5.78	37.3	4.69
	23	18.9	2.93	22.4	3.60	26.3	4.51	28.0	4.88	29.7	5.46	33.4	6.00	37.3	4.93
	25	18.9	3.04	22.4	3.91	26.3	4.83	28.0	5.19	29.7	5.76	33.4	6.16	37.3	5.24
	27	18.9	3.28	22.4	4.07	26.3	5.08	28.0	5.71	29.7	6.06	33.4	6.46	37.3	5.77
	29	18.9	3.42	22.4	4.52	26.3	5.51	28.0	6.12	29.7	6.44	33.4	6.76	37.3	6.18
	31	18.9	3.76	22.4	4.71	26.3	5.83	28.0	6.54	29.7	6.78	33.4	6.92	37.3	6.61
	33	18.9	4.01	22.4	5.08	26.3	6.27	28.0	7.02	29.7	6.82	33.4	7.22	37.3	7.09
	35	18.9	4.03	22.4	5.13	26.3	6.41	28.0	7.22	29.7	7.24	33.4	7.26	37.3	7.29
	37	18.9	4.43	22.4	5.76	26.3	7.18	28.0	7.82	29.7	7.73	33.4	7.86	37.3	7.90
	39	18.9	4.64	22.4	6.12	26.3	7.62	28.0	7.95	29.7	7.96	33.4	8.13	37.3	8.03
41	18.9	4.85	22.4	6.28	26.3	7.78	28.0	8.09	29.7	8.15	33.4	8.28	37.3	8.17	
43	18.9	5.03	22.4	6.36	26.3	7.94	28.0	8.24	29.7	8.34	33.4	8.44	37.3	8.33	
45	18.9	5.15	22.4	6.48	26.3	8.11	28.0	8.39	29.7	8.41	33.4	8.74	37.3	8.48	
47	18.9	5.28	22.4	6.83	26.3	8.26	28.0	8.55	29.7	8.71	33.4	8.89	37.3	8.63	
48	18.9	5.47	22.4	6.92	26.3	8.42	28.0	8.70	29.7	9.02	33.4	9.12	37.3	8.78	
60%	10	16.1	2.11	19.4	2.57	22.6	3.08	24.0	3.32	25.7	3.53	28.7	4.06	32.0	3.36
	12	16.1	2.16	19.4	2.62	22.6	3.13	24.0	3.38	25.7	3.65	28.7	4.16	32.0	3.42
	14	16.1	2.19	19.4	2.65	22.6	3.19	24.0	3.43	25.7	3.78	28.7	4.23	32.0	3.46
	15	16.1	2.23	19.4	2.72	22.6	3.26	24.0	3.47	25.7	3.90	28.7	4.39	32.0	3.50
	18	16.1	2.28	19.4	2.76	22.6	3.33	24.0	3.56	25.7	4.09	28.7	4.57	32.0	3.59
	20	16.1	2.35	19.4	2.83	22.6	3.43	24.0	3.75	25.7	4.28	28.7	4.67	32.0	3.78
	21	16.1	2.39	19.4	2.89	22.6	7.28	24.0	3.86	25.7	4.44	28.7	4.80	32.0	3.90
	23	16.1	2.43	19.4	2.99	22.6	3.74	24.0	4.05	25.7	4.53	28.7	4.99	32.0	4.09
	25	16.1	2.53	19.4	3.25	22.6	4.01	24.0	4.31	25.7	4.79	28.7	5.12	32.0	4.35
	27	16.1	2.72	19.4	3.38	22.6	4.22	24.0	4.75	25.7	5.04	28.7	5.37	32.0	4.79
	29	16.1	2.84	19.4	3.75	22.6	4.58	24.0	5.08	25.7	5.35	28.7	5.62	32.0	5.14
	31	16.1	3.12	19.4	3.91	22.6	4.84	24.0	5.44	25.7	5.64	28.7	5.75	32.0	5.49
	33	16.1	3.33	19.4	4.22	22.6	5.21	24.0	5.83	25.7	5.67	28.7	6.00	32.0	5.89
	35	16.1	3.51	19.4	4.47	22.6	5.58	24.0	6.29	25.7	6.30	28.7	6.32	32.0	6.35
	37	16.1	3.68	19.4	4.79	22.6	5.97	24.0	6.50	25.7	6.42	28.7	6.53	32.0	6.56
	39	16.1	3.86	19.4	5.09	22.6	6.33	24.0	6.61	25.7	6.61	28.7	6.76	32.0	6.67
41	16.1	4.03	19.4	5.22	22.6	6.47	24.0	6.73	25.7	6.77	28.7	6.88	32.0	6.79	
43	16.1	4.18	19.4	5.29	22.6	6.60	24.0	6.85	25.7	6.93	28.7	7.01	32.0	6.92	
45	16.1	4.28	19.4	5.38	22.6	6.74	24.0	6.98	25.7	6.99	28.7	7.26	32.0	7.05	
47	16.1	4.38	19.4	5.68	22.6	6.86	24.0	7.10	25.7	7.24	28.7	7.39	32.0	7.17	
48	16.1	4.54	19.4	5.75	22.6	7.00	24.0	7.23	25.7	7.49	28.7	7.58	32.0	7.30	
50%	10	13.5	1.66	16.0	2.03	18.7	2.42	20.0	2.62	21.9	2.78	23.9	3.20	26.6	2.65
	12	13.5	1.71	16.0	2.07	18.7	2.47	20.0	2.67	21.9	2.88	23.9	3.28	26.6	2.69
	14	13.5	1.73	16.0	2.09	18.7	2.52	20.0	2.70	21.9	2.98	23.9	3.34	26.6	2.73
	15	13.5	1.76	16.0	2.15	18.7	2.57	20.0	2.74	21.9	3.08	23.9	3.46	26.6	2.76
	18	13.5	1.80	16.0	2.17	18.7	2.62	20.0	2.80	21.9	3.23	23.9	3.60	26.6	2.83
	20	13.5	1.85	16.0	2.23	18.7	2.70	20.0	2.95	21.9	3.38	23.9	3.69	26.6	2.98
	21	13.5	1.89	16.0	2.28	18.7	7.28	20.0	3.04	21.9	3.50	23.9	3.78	26.6	3.07
	23	13.5	1.92	16.0	2.36	18.7	2.95	20.0	3.20	21.9	3.57	23.9	3.93	26.6	3.23
	25	13.5	1.99	16.0	2.56	18.7	3.16	20.0	3.40	21.9	3.77	23.9	4.03	26.6	3.43
	27	13.5	2.15	16.0	2.67	18.7	3.33	20.0	3.74	21.9	3.97	23.9	4.23	26.6	3.78
	29	13.5	2.24	16.0	2.96	18.7	3.61	20.0	4.01	21.9	4.22	23.9	4.43	26.6	4.05
	31	13.5	2.46	16.0	3.08	18.7	3.82	20.0	4.29	21.9	4.44	23.9	4.53	26.6	4.33
	33	13.5	2.63	16.0	3.33	18.7	4.11	20.0	4.60	21.9	4.47	23.9	4.73	26.6	4.64
	35	13.5	2.76	16.0	3.52	18.7	4.40	20.0	4.96	21.9	4.96	23.9	4.98	26.6	5.00
	37	13.5	2.90	16.0	3.78	18.7	4.70	20.0	5.12	21.9	5.06	23.9	5.15	26.6	5.17
	39	13.5	3.04	16.0	4.01	18.7	4.99	20.0	5.21	21.9	5.21	23.9	5.33	26.6	5.26
41	13.5	3.18	16.0	4.11	18.7	5.10	20.0	5.30	21.9	5.34	23.9	5.43	26.6	5.35	
43	13.5	3.29	16.0	4.17	18.7	5.21	20.0	5.40	21.9	5.46	23.9	5.53	26.6	5.45	
45	13.5	3.37	16.0	4.25	18.7	5.31	20.0	5.50	21.9	5.51	23.9	5.73	26.6	5.56	
47	13.5	3.46	16.0	4.47	18.7	5.41	20.0	5.60	21.9	5.71	23.9	5.83	26.6	5.66	
48	13.5	3.58	16.0	4.53	18.7	5.52	20.0	5.70	21.9	5.91	23.9	5.98	26.6	5.76	

GMV-Pdm450W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW
130%	10	39.9	4.86	47.4	5.92	54.6	7.08	57.2	7.65	57.7	8.12	58.7	9.35	60.1	7.73
	12	39.9	4.98	47.4	6.04	54.6	7.21	56.2	7.78	56.9	8.41	48.2	9.56	59.6	7.86
	14	39.9	5.04	47.4	6.11	54.3	7.35	55.4	7.88	55.6	8.70	57.2	9.74	58.7	7.96
	15	39.9	5.14	47.4	6.26	53.7	7.50	54.6	7.98	55.1	8.99	56.7	10.10	57.9	8.06
	18	39.9	5.25	47.4	6.34	53.0	7.65	53.8	8.19	54.3	9.42	55.8	10.51	56.9	8.27
	20	39.9	5.41	47.4	6.52	52.4	7.89	53.2	8.62	53.8	9.85	55.1	10.76	56.4	8.71
	21	39.9	5.50	47.4	6.65	52.1	8.00	52.9	8.88	53.0	10.22	54.6	11.05	56.1	8.97
	23	39.9	5.60	47.4	6.89	51.4	8.62	52.4	9.33	52.4	10.43	54.2	11.48	55.6	9.42
	25	39.9	5.81	47.4	7.48	50.6	9.23	51.6	9.92	51.6	11.01	53.2	11.77	54.6	10.02
	27	39.9	6.27	47.4	7.78	49.7	9.71	51.1	10.92	50.6	11.59	53.0	12.36	54.3	11.03
	29	39.9	6.54	47.4	8.64	49.0	10.54	50.6	11.70	50.0	12.32	52.1	12.94	53.2	11.82
	31	39.9	7.18	47.1	9.00	48.2	11.15	49.5	12.51	49.0	12.97	50.9	13.23	52.7	12.64
	33	39.9	7.67	46.3	9.71	47.9	11.98	49.0	13.42	48.4	13.04	50.6	13.81	51.9	13.56
	35	39.9	8.07	45.6	10.28	46.6	12.84	48.2	14.46	48.2	14.49	49.5	14.54	51.3	14.61
	37	39.9	8.47	44.8	11.02	46.0	13.73	47.1	14.95	47.6	14.78	49.0	15.03	50.6	15.10
	39	39.9	8.88	44.2	11.70	45.5	14.58	46.6	15.20	46.9	15.22	48.5	15.55	49.8	15.35
	41	39.9	9.28	43.9	12.01	44.9	14.89	46.2	15.48	46.4	15.58	48.0	15.84	49.3	15.63
	43	39.9	9.61	43.5	12.17	44.4	15.19	45.8	15.76	46.0	15.94	47.4	16.13	48.8	15.92
45	39.9	9.85	43.2	12.39	43.9	15.50	45.4	16.05	45.5	16.09	46.9	16.72	48.3	16.21	
47	39.9	10.09	42.9	13.06	43.4	15.80	45.1	16.34	45.0	16.67	46.3	17.01	47.8	16.51	
48	39.9	10.45	42.6	13.23	42.8	16.11	44.7	16.63	44.5	17.25	45.8	17.44	47.3	16.80	
120%	10	36.6	4.84	43.4	5.90	50.5	7.05	54.0	7.62	56.6	8.08	58.0	9.31	59.3	7.70
	12	36.6	4.96	43.4	6.01	50.5	7.18	54.0	7.75	55.8	8.37	57.2	9.53	58.5	7.83
	14	36.6	5.02	43.4	6.08	50.5	7.32	54.0	7.85	55.0	8.66	56.2	9.70	57.9	7.93
	15	36.6	5.12	43.4	6.24	50.5	7.47	53.7	7.95	54.3	8.95	55.8	10.06	57.0	8.03
	18	36.6	5.23	43.4	6.32	50.5	7.62	52.9	8.15	53.8	9.38	55.0	10.47	56.2	8.24
	20	36.6	5.39	43.4	6.49	50.5	7.85	52.2	8.59	52.7	9.82	54.3	10.71	55.6	8.67
	21	36.6	5.48	43.4	6.63	50.5	8.00	51.7	8.85	52.2	10.18	53.8	11.00	55.3	8.93
	23	36.6	5.58	43.4	6.86	50.5	8.58	51.1	9.29	51.6	10.39	53.0	11.44	55.0	9.38
	25	36.6	5.79	43.4	7.45	49.5	9.20	50.3	9.88	50.8	10.97	52.4	11.73	54.5	9.98
	27	36.6	6.25	43.4	7.75	48.9	9.67	49.7	10.88	50.5	11.55	51.4	12.31	53.8	10.99
	29	36.6	6.51	43.4	8.60	48.2	10.50	48.9	11.65	49.7	12.27	50.6	12.89	52.7	11.77
	31	36.6	7.15	43.4	8.96	47.4	11.10	48.2	12.46	49.0	12.92	50.1	13.17	52.4	12.59
	33	36.6	7.64	43.4	9.67	46.9	11.94	47.4	13.37	47.9	12.99	49.5	13.75	51.4	13.50
	35	36.6	8.04	43.4	10.24	46.1	12.79	46.6	14.41	47.6	14.43	48.9	14.48	50.8	14.55
	37	36.6	8.44	43.4	10.98	45.5	13.68	46.0	14.90	46.6	14.72	48.0	14.97	50.1	15.04
	39	36.6	8.84	43.2	11.66	44.7	14.52	45.2	15.14	45.6	15.16	47.4	15.49	49.3	15.29
	41	36.6	9.24	42.7	11.96	44.1	14.83	44.5	15.41	45.0	15.52	46.7	15.78	48.7	15.57
	43	36.6	9.57	42.1	12.12	43.5	15.13	43.8	15.70	44.3	15.88	46.0	16.07	48.0	15.86
45	36.6	9.81	41.6	12.34	42.8	15.44	43.2	15.99	43.7	16.02	45.3	16.65	47.4	16.15	
47	36.6	10.05	41.0	13.01	42.2	15.73	42.5	16.28	43.0	16.60	44.6	16.94	46.7	16.44	
48	36.6	10.41	40.5	13.18	41.6	16.04	41.9	16.57	42.3	17.18	43.9	17.37	46.0	16.73	
110%	10	33.4	4.82	39.9	5.88	46.3	7.02	49.5	7.59	52.7	8.05	56.9	9.27	58.2	7.67
	12	33.4	4.94	39.9	5.99	46.3	7.15	49.5	7.72	52.7	8.34	56.2	9.49	57.4	7.80
	14	33.4	5.00	39.9	6.06	46.3	7.29	49.5	7.82	52.7	8.63	55.3	9.66	56.7	7.90
	15	33.4	5.10	39.9	6.21	46.3	7.44	49.5	7.92	52.7	8.91	54.6	10.02	55.6	8.00
	18	33.4	5.20	39.9	6.29	46.3	7.59	49.5	8.12	52.7	9.35	54.0	10.43	55.1	8.20
	20	33.4	5.36	39.9	6.47	46.3	7.82	49.5	8.55	51.7	9.78	53.2	10.67	54.3	8.64
	21	33.4	5.46	39.9	6.60	46.3	8.00	49.5	8.81	51.6	10.14	52.9	10.96	54.0	8.90
	23	33.4	5.56	39.9	6.84	46.3	8.55	49.5	9.25	50.6	10.35	52.2	11.39	53.2	9.35
	25	33.4	5.76	39.9	7.42	46.3	9.16	49.5	9.84	50.3	10.93	51.3	11.68	52.7	9.94
	27	33.4	6.22	39.9	7.72	46.3	9.63	48.7	10.83	49.5	11.50	50.6	12.26	51.7	10.94
	29	33.4	6.49	39.9	8.57	46.3	10.46	47.9	11.61	49.0	12.22	49.8	12.83	51.3	11.72
	31	33.4	7.13	39.9	8.93	46.3	11.06	47.4	12.41	48.0	12.87	49.2	13.12	50.5	12.54
	33	33.4	7.61	39.9	9.63	46.0	11.89	46.6	13.32	47.4	12.94	48.5	13.70	49.7	13.45
	35	33.4	8.01	39.9	10.20	45.2	12.74	45.8	14.35	46.4	14.38	47.7	14.42	48.9	14.49
	37	33.4	8.41	39.9	10.94	44.4	13.62	45.2	14.84	46.0	14.66	46.8	14.91	48.0	14.98
	39	33.4	8.81	39.9	11.61	43.7	14.46	44.4	15.08	45.2	15.10	46.4	15.43	47.4	15.23
	41	33.4	9.21	39.3	11.92	43.1	14.77	43.9	15.35	44.6	15.46	45.9	15.72	46.8	15.51
	43	33.4	9.54	38.7	12.07	42.6	15.07	43.4	15.64	44.0	15.82	45.3	16.01	46.2	15.80
45	33.4	9.77	38.2	12.29	42.0	15.38	42.9	15.93	43.4	15.96	44.8	16.58	45.7	16.09	
47	33.4	10.01	37.6	12.96	41.5	15.67	42.4	16.21	42.8	16.53	44.3	16.87	45.1	16.38	
48	33.4	10.37	37.0	13.13	40.9	15.98	41.9	16.50	42.3	17.11	43.7	17.30	44.5	16.67	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pdm450W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
100%	10	30.2	4.81	35.8	5.86	42.3	7.01	45.0	7.58	47.7	8.04	53.8	9.25	56.9	7.65
	12	30.2	4.93	35.8	5.98	42.3	7.13	45.0	7.70	47.7	8.32	53.8	9.47	55.9	7.78
	14	30.2	4.99	35.8	6.05	42.3	7.27	45.0	7.80	47.7	8.61	53.8	9.64	55.4	7.88
	15	30.2	5.09	35.8	6.20	42.3	7.43	45.0	7.90	47.7	8.90	53.5	10.00	54.6	7.98
	18	30.2	5.19	35.8	6.28	42.3	7.58	45.0	8.11	47.7	9.33	52.9	10.41	54.2	8.19
	20	30.2	5.35	35.8	6.46	42.3	7.81	45.0	8.53	47.7	9.76	52.1	10.65	53.0	8.62
	21	30.2	5.45	35.8	6.59	42.3	8.00	45.0	8.79	47.7	10.12	51.7	10.94	52.7	8.88
	23	30.2	5.55	35.8	6.82	42.3	8.53	45.0	9.24	47.7	10.33	51.1	11.37	51.9	9.33
	25	30.2	5.75	35.8	7.40	42.3	9.14	45.0	9.82	47.7	10.90	50.3	11.66	51.4	9.92
	27	30.2	6.21	35.8	7.71	42.3	9.61	45.0	10.81	47.7	11.48	49.5	12.23	50.8	10.92
	29	30.2	6.47	35.8	8.55	42.3	10.44	45.0	11.58	47.4	12.20	48.9	12.81	49.8	11.70
	31	30.2	7.11	35.8	8.91	42.3	11.04	45.0	12.39	46.9	12.84	48.0	13.10	49.0	12.51
	33	30.2	7.59	35.8	9.61	42.3	11.86	45.0	13.29	46.1	12.91	47.4	13.67	48.4	13.42
	35	30.2	7.99	35.8	10.18	42.3	12.72	45.0	14.32	45.3	14.35	46.4	14.39	47.9	14.46
	37	30.2	8.39	35.8	10.91	42.3	13.59	44.0	14.81	44.8	14.64	46.0	14.88	47.1	14.95
	39	30.2	8.79	35.8	11.59	42.3	14.43	43.4	15.05	43.9	15.07	45.0	15.40	46.1	15.20
	41	30.2	9.19	35.8	11.89	42.3	14.74	43.4	15.32	43.9	15.42	45.0	15.69	45.8	15.48
	43	30.2	9.52	35.8	12.04	42.3	15.04	43.4	15.61	43.4	15.78	44.7	15.97	45.3	15.76
45	30.2	9.75	35.8	12.27	41.8	15.35	42.6	15.90	43.1	15.93	44.4	16.55	45.0	16.05	
47	30.2	9.99	35.8	12.93	41.5	15.64	41.8	16.18	42.3	16.50	43.9	16.84	44.4	16.34	
48	30.2	10.35	35.8	13.10	41.0	15.95	41.5	16.47	41.9	17.07	43.5	17.27	44.0	16.63	
90%	10	27.3	4.04	32.8	4.93	37.8	5.89	40.5	6.36	43.2	6.75	48.5	7.77	53.5	6.43
	12	27.3	4.14	32.8	5.02	37.8	5.99	40.5	6.47	43.2	6.99	48.5	7.95	53.4	6.54
	14	27.3	4.20	32.8	5.08	37.8	6.11	40.5	6.56	43.2	7.23	48.5	8.10	53.4	6.62
	15	27.3	4.28	32.8	5.21	37.8	6.24	40.5	6.64	43.2	7.47	48.5	8.40	53.4	6.71
	18	27.3	4.36	32.8	5.28	37.8	6.37	40.5	6.81	43.2	7.83	48.5	8.74	53.3	6.88
	20	27.3	4.50	32.8	5.42	37.8	6.56	40.5	7.17	43.2	8.20	48.5	8.95	52.2	7.24
	21	27.3	4.58	32.8	5.53	37.8	8.00	40.5	7.39	43.2	8.50	48.5	9.19	51.7	7.46
	23	27.3	4.66	32.8	5.73	37.8	7.17	40.5	7.76	43.2	8.68	48.5	9.55	50.6	7.84
	25	27.3	4.83	32.8	6.22	37.8	7.68	40.5	8.25	43.2	9.16	48.5	9.79	49.8	8.33
	27	27.3	5.22	32.8	6.47	37.8	8.08	40.5	9.08	43.2	9.64	48.4	10.28	49.3	9.17
	29	27.3	5.44	32.8	7.18	37.8	8.77	40.5	9.73	43.2	10.24	48.0	10.76	48.9	9.83
	31	27.3	5.97	32.8	7.48	37.8	9.27	40.5	10.40	43.2	10.79	47.2	11.00	47.9	10.51
	33	27.3	6.38	32.8	8.07	37.8	9.97	40.5	11.16	43.2	10.85	46.3	11.48	47.4	11.27
	35	27.3	6.71	32.8	8.55	37.8	10.68	40.5	12.03	43.2	12.05	45.5	12.09	46.6	12.15
	37	27.3	7.05	32.8	9.17	37.8	11.42	40.5	12.44	43.2	12.29	44.4	12.50	45.6	12.56
	39	27.3	7.38	32.8	9.73	37.8	12.12	40.5	12.64	43.2	12.66	43.9	12.94	45.0	12.77
	41	27.3	7.72	32.8	9.99	37.8	12.38	40.5	12.87	42.6	12.96	43.4	13.18	44.5	13.00
	43	27.3	7.99	32.8	10.12	37.8	12.64	40.2	13.11	42.3	13.26	42.9	13.42	44.0	13.24
45	27.3	8.19	32.8	10.31	37.8	12.89	39.5	13.35	41.9	13.38	42.4	13.90	43.5	13.49	
47	27.3	8.39	32.8	10.86	37.8	13.14	38.9	13.59	41.3	13.86	41.9	14.14	43.0	13.73	
48	27.3	8.69	32.8	11.01	37.8	13.39	38.7	13.83	40.7	14.34	41.4	14.51	42.5	13.97	
80%	10	24.3	3.42	28.9	4.16	33.7	4.97	36.0	5.38	38.2	5.71	43.2	6.57	47.9	5.43
	12	24.1	3.50	28.9	4.24	33.7	5.06	36.0	5.47	38.2	5.91	43.2	6.72	47.7	5.52
	14	24.1	3.55	28.9	4.29	33.7	5.16	36.0	5.54	38.2	6.11	43.2	6.85	47.7	5.60
	15	24.1	3.61	28.9	4.40	33.7	5.27	36.0	5.61	38.2	6.32	43.2	7.10	47.7	5.67
	18	24.1	3.69	28.9	4.46	33.7	5.38	36.0	5.75	38.2	6.62	43.2	7.39	47.7	5.81
	20	24.1	3.80	28.9	4.58	33.7	5.54	36.0	6.06	38.2	6.93	43.2	7.56	47.7	6.12
	21	24.1	3.87	28.9	4.68	33.7	8.00	36.0	6.24	38.2	7.18	43.2	7.77	47.7	6.31
	23	24.1	3.94	28.9	4.84	33.7	6.06	36.0	6.56	38.2	7.34	43.2	8.07	47.7	6.62
	25	24.1	4.08	28.9	5.26	33.7	6.49	36.0	6.97	38.2	7.74	43.2	8.28	47.7	7.04
	27	24.1	4.41	28.9	5.47	33.7	6.83	36.0	7.68	38.2	8.15	43.2	8.69	47.7	7.75
	29	24.1	4.60	28.9	6.07	33.7	7.41	36.0	8.23	38.2	8.66	43.2	9.09	47.7	8.31
	31	24.1	5.05	28.9	6.33	33.7	7.84	36.0	8.79	38.2	9.12	43.2	9.30	47.7	8.88
	33	24.1	5.39	28.9	6.82	33.7	8.42	36.0	9.44	38.2	9.17	43.2	9.71	47.7	9.53
	35	24.1	5.67	28.9	7.23	33.7	9.03	36.0	10.17	38.2	10.19	43.2	10.22	47.7	10.27
	37	24.1	5.96	28.9	7.75	33.7	9.65	36.0	10.51	38.2	10.39	43.2	10.57	47.7	10.62
	39	24.1	6.24	28.9	8.23	33.7	10.25	36.0	10.69	38.2	10.70	43.2	10.93	47.7	10.79
	41	24.1	6.52	28.9	8.44	33.7	10.46	36.0	10.88	38.2	10.95	42.7	11.14	47.1	10.99
	43	24.1	6.76	28.9	8.55	33.7	10.68	36.0	11.08	37.9	11.21	42.1	11.34	46.5	11.19
45	24.1	6.92	28.9	8.71	33.7	10.90	35.4	11.29	37.6	11.31	41.5	11.75	45.9	11.40	
47	24.1	7.09	28.9	9.18	33.7	11.11	34.7	11.49	37.1	11.72	41.0	11.96	45.3	11.60	
48	24.1	7.35	28.9	9.30	33.7	11.32	34.4	11.69	36.5	12.12	40.4	12.26	44.7	11.81	

GMV-Pdm450W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW
70%	10	21.2	2.79	25.2	3.40	29.6	4.06	31.5	4.39	33.4	4.66	37.6	5.37	41.9	4.44
	12	21.2	2.86	25.2	3.47	29.6	4.14	31.5	4.47	33.4	4.83	37.6	5.49	41.9	4.51
	14	21.2	2.90	25.2	3.51	29.6	4.22	31.5	4.53	33.4	4.99	37.6	5.59	41.9	4.57
	15	21.2	2.95	25.2	3.60	29.6	4.31	31.5	4.58	33.4	5.16	37.6	5.80	41.9	4.63
	18	21.2	3.01	25.2	3.64	29.6	4.40	31.5	4.70	33.4	5.41	37.6	6.03	41.9	4.75
	20	21.2	3.11	25.2	3.74	29.6	4.53	31.5	4.95	33.4	5.66	37.6	6.18	41.9	5.00
	21	21.2	3.16	25.2	3.82	29.6	8.00	31.5	5.10	33.4	5.87	37.6	6.34	41.9	5.15
	23	21.2	3.22	25.2	3.96	29.6	4.95	31.5	5.36	33.4	5.99	37.6	6.59	41.9	5.41
	25	21.2	3.34	25.2	4.29	29.6	5.30	31.5	5.70	33.4	6.32	37.6	6.76	41.9	5.75
	27	21.2	3.60	25.2	4.47	29.6	5.58	31.5	6.27	33.4	6.66	37.6	7.10	41.9	6.33
	29	21.2	3.75	25.2	4.96	29.6	6.06	31.5	6.72	33.4	7.07	37.6	7.43	41.9	6.79
	31	21.2	4.12	25.2	5.17	29.6	6.40	31.5	7.18	33.4	7.45	37.6	7.60	41.9	7.26
	33	21.2	4.40	25.2	5.57	29.6	6.88	31.5	7.71	33.4	7.49	37.6	7.93	41.9	7.78
	35	21.2	4.63	25.2	5.91	29.6	7.38	31.5	8.31	33.4	8.32	37.6	8.35	41.9	8.39
	37	21.2	4.87	25.2	6.33	29.6	7.88	31.5	8.59	33.4	8.49	37.6	8.63	41.9	8.67
	39	21.2	5.10	25.2	6.72	29.6	8.37	31.5	8.73	33.4	8.74	37.6	8.93	41.9	8.82
	41	21.2	5.33	25.2	6.90	29.6	8.55	31.5	8.89	33.4	8.95	37.6	9.10	41.9	8.98
	43	21.2	5.52	25.2	6.99	29.6	8.73	31.5	9.05	33.4	9.15	37.6	9.27	41.9	9.14
45	21.2	5.65	25.2	7.12	29.6	8.90	31.5	9.22	33.4	9.24	37.6	9.60	41.9	9.31	
47	21.2	5.79	25.2	7.50	29.6	9.07	31.5	9.39	33.4	9.57	37.6	9.77	41.9	9.48	
48	21.2	6.00	25.2	7.60	29.6	9.25	31.5	9.55	33.4	9.90	37.6	10.02	41.9	9.65	
60%	10	18.2	2.32	21.9	2.83	25.4	3.38	27.0	3.65	28.9	3.87	32.3	4.46	36.0	3.69
	12	18.2	2.38	21.9	2.88	25.4	3.44	27.0	3.71	28.9	4.01	32.3	4.56	36.0	3.75
	14	18.2	2.41	21.9	2.92	25.4	3.51	27.0	3.76	28.9	4.15	32.3	4.65	36.0	3.80
	15	18.2	2.45	21.9	2.99	25.4	3.58	27.0	3.81	28.9	4.29	32.3	4.82	36.0	3.85
	18	18.2	2.50	21.9	3.03	25.4	3.65	27.0	3.91	28.9	4.50	32.3	5.02	36.0	3.95
	20	18.2	2.58	21.9	3.11	25.4	3.76	27.0	4.11	28.9	4.70	32.3	5.13	36.0	4.15
	21	18.2	2.63	21.9	3.18	25.4	8.00	27.0	4.24	28.9	4.88	32.3	5.27	36.0	4.28
	23	18.2	2.67	21.9	3.29	25.4	4.11	27.0	4.45	28.9	4.98	32.3	5.48	36.0	4.50
	25	18.2	2.77	21.9	3.57	25.4	4.41	27.0	4.73	28.9	5.26	32.3	5.62	36.0	4.78
	27	18.2	2.99	21.9	3.71	25.4	4.63	27.0	5.21	28.9	5.53	32.3	5.90	36.0	5.26
	29	18.2	3.12	21.9	4.12	25.4	5.03	27.0	5.58	28.9	5.88	32.3	6.17	36.0	5.64
	31	18.2	3.43	21.9	4.29	25.4	5.32	27.0	5.97	28.9	6.19	32.3	6.31	36.0	6.03
	33	18.2	3.66	21.9	4.63	25.4	5.72	27.0	6.41	28.9	6.22	32.3	6.59	36.0	6.47
	35	18.2	3.85	21.9	4.91	25.4	6.13	27.0	6.90	28.9	6.92	32.3	6.94	36.0	6.97
	37	18.2	4.04	21.9	5.26	25.4	6.55	27.0	7.14	28.9	7.05	32.3	7.17	36.0	7.21
	39	18.2	4.24	21.9	5.58	25.4	6.96	27.0	7.25	28.9	7.26	32.3	7.42	36.0	7.33
	41	18.2	4.43	21.9	5.73	25.4	7.10	27.0	7.39	28.9	7.43	32.3	7.56	36.0	7.46
	43	18.2	4.59	21.9	5.81	25.4	7.25	27.0	7.52	28.9	7.61	32.3	7.70	36.0	7.60
45	18.2	4.70	21.9	5.91	25.4	7.40	27.0	7.66	28.9	7.68	32.3	7.98	36.0	7.74	
47	18.2	4.81	21.9	6.23	25.4	7.54	27.0	7.80	28.9	7.95	32.3	8.12	36.0	7.88	
48	18.2	4.99	21.9	6.32	25.4	7.69	27.0	7.94	28.9	8.23	32.3	8.32	36.0	8.02	
50%	10	15.2	1.83	18.0	2.23	21.1	2.66	22.5	2.88	24.6	3.05	26.8	3.52	29.9	2.91
	12	15.2	1.87	18.0	2.27	21.1	2.71	22.5	2.93	24.6	3.16	26.8	3.60	29.9	2.96
	14	15.2	1.90	18.0	2.30	21.1	2.76	22.5	2.97	24.6	3.27	26.8	3.66	29.9	3.00
	15	15.2	1.93	18.0	2.36	21.1	2.82	22.5	3.00	24.6	3.38	26.8	3.80	29.9	3.03
	18	15.2	1.97	18.0	2.39	21.1	2.88	22.5	3.08	24.6	3.54	26.8	3.95	29.9	3.11
	20	15.2	2.03	18.0	2.45	21.1	2.97	22.5	3.24	24.6	3.71	26.8	4.05	29.9	3.28
	21	15.2	2.07	18.0	2.50	21.1	8.00	22.5	3.34	24.6	3.84	26.8	4.16	29.9	3.37
	23	15.2	2.11	18.0	2.59	21.1	3.24	22.5	3.51	24.6	3.93	26.8	4.32	29.9	3.54
	25	15.2	2.19	18.0	2.81	21.1	3.47	22.5	3.73	24.6	4.14	26.8	4.43	29.9	3.77
	27	15.2	2.36	18.0	2.93	21.1	3.65	22.5	4.11	24.6	4.36	26.8	4.65	29.9	4.15
	29	15.2	2.46	18.0	3.25	21.1	3.97	22.5	4.40	24.6	4.63	26.8	4.87	29.9	4.45
	31	15.2	2.70	18.0	3.39	21.1	4.19	22.5	4.71	24.6	4.88	26.8	4.98	29.9	4.75
	33	15.2	2.88	18.0	3.65	21.1	4.51	22.5	5.05	24.6	4.91	26.8	5.20	29.9	5.10
	35	15.2	3.04	18.0	3.87	21.1	4.83	22.5	5.44	24.6	5.45	26.8	5.47	29.9	5.50
	37	15.2	3.19	18.0	4.15	21.1	5.17	22.5	5.63	24.6	5.56	26.8	5.65	29.9	5.68
	39	15.2	3.34	18.0	4.40	21.1	5.48	22.5	5.72	24.6	5.73	26.8	5.85	29.9	5.78
	41	15.2	3.49	18.0	4.52	21.1	5.60	22.5	5.82	24.6	5.86	26.8	5.96	29.9	5.88
	43	15.2	3.62	18.0	4.58	21.1	5.72	22.5	5.93	24.6	6.00	26.8	6.07	29.9	5.99
45	15.2	3.70	18.0	4.66	21.1	5.83	22.5	6.04	24.6	6.05	26.8	6.29	29.9	6.10	
47	15.2	3.80	18.0	4.91	21.1	5.94	22.5	6.15	24.6	6.27	26.8	6.40	29.9	6.21	
48	15.2	3.93	18.0	4.98	21.1	6.06	22.5	6.26	24.6	6.49	26.8	6.56	29.9	6.32	

2) Heating Capacity

GMV-Pd100W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.80	4.4	1.63	4.4	1.68	4.4	1.70	4.4	1.71	4.4	1.76	4.4	1.81
	-18.80	5.3	1.67	5.3	1.71	5.3	1.74	5.3	1.75	5.3	1.80	5.3	1.86
	-16.70	6.1	1.71	6.1	1.76	6.1	1.79	6.1	1.80	6.1	1.85	6.1	1.91
	-14.70	6.9	1.76	6.9	1.81	6.9	1.84	6.9	1.85	6.9	1.91	6.9	1.95
	-12.60	7.5	1.80	7.5	1.85	7.5	1.88	7.5	1.88	7.5	1.95	7.5	2.03
	-10.50	7.7	1.87	7.7	1.92	7.7	1.95	7.7	1.96	7.7	2.02	7.7	2.08
	-9.50	8.2	1.92	8.2	1.97	8.2	2.00	8.2	2.01	8.2	2.08	8.2	2.16
	-8.50	8.6	1.99	8.6	2.05	8.6	2.08	8.6	2.08	8.6	2.15	8.6	2.23
	-7.00	8.9	2.06	8.9	2.12	8.9	2.15	8.9	2.16	8.9	2.23	8.9	2.27
	-5.00	9.3	2.10	9.3	2.16	9.3	2.19	9.3	2.20	9.3	2.27	9.3	2.31
	-3.00	9.6	2.13	9.6	2.19	9.6	2.22	9.6	2.23	9.6	2.30	9.6	2.32
	0.00	10.2	2.15	10.2	2.21	10.2	2.24	10.2	2.25	10.2	2.32	10.2	2.36
	3.00	10.8	2.18	10.8	2.24	10.8	2.28	10.8	2.28	10.8	2.36	10.8	2.42
	5.00	11.2	2.23	11.2	2.29	11.2	2.33	11.2	2.34	11.2	2.41	11.2	2.45
	7.00	11.6	2.26	11.6	2.32	11.6	2.36	11.6	2.37	11.6	2.44	11.6	2.48
9.00	11.9	2.29	11.9	2.35	11.9	2.39	11.9	2.40	11.9	2.48	11.9	2.51	
11.00	12.4	2.31	12.3	2.38	12.3	2.41	12.3	2.42	12.3	2.50	12.3	2.55	
13.00	12.7	2.36	12.7	2.42	12.7	2.46	12.7	2.47	12.6	2.55	12.5	2.60	
15.00	13.1	2.40	13.1	2.46	13.1	2.50	13.1	2.51	12.7	2.59	12.5	2.55	
120%	-19.80	4.4	1.56	4.4	1.66	4.4	1.69	4.4	1.75	4.4	1.83	4.4	1.96
	-18.80	5.3	1.62	5.3	1.70	5.3	1.73	5.3	1.80	5.3	1.88	5.3	2.04
	-16.70	6.1	1.67	6.1	1.75	6.1	1.78	6.1	1.85	6.1	1.92	6.1	2.09
	-14.70	6.9	1.72	6.9	1.80	6.9	1.83	6.9	1.88	6.9	1.99	6.9	2.17
	-12.60	7.5	1.75	7.5	1.84	7.5	1.87	7.5	1.96	7.5	2.05	7.5	2.25
	-10.50	7.7	1.82	7.7	1.91	7.7	1.94	7.7	2.01	7.7	2.12	7.7	2.28
	-9.50	8.2	1.87	8.2	1.96	8.2	1.99	8.2	2.08	8.2	2.20	8.2	2.32
	-8.50	8.6	1.94	8.6	2.03	8.6	2.07	8.6	2.16	8.6	2.24	8.6	2.34
	-7.00	8.9	2.01	8.9	2.10	8.9	2.14	8.9	2.20	8.9	2.27	8.9	2.38
	-5.00	9.3	2.04	9.3	2.14	9.3	2.18	9.3	2.23	9.3	2.29	9.3	2.43
	-3.00	9.6	2.07	9.6	2.17	9.6	2.21	9.6	2.25	9.6	2.33	9.6	2.46
	0.00	10.2	2.09	10.2	2.19	10.2	2.23	10.2	2.28	10.2	2.38	10.2	2.49
	3.00	10.8	2.12	10.8	2.23	10.8	2.27	10.8	2.34	10.8	2.41	10.8	2.52
	5.00	11.2	2.17	11.2	2.28	11.2	2.32	11.2	2.37	11.2	2.44	11.2	2.57
	7.00	11.6	2.20	11.6	2.31	11.6	2.35	11.6	2.40	11.6	2.47	11.6	2.61
9.00	11.9	2.23	11.9	2.34	11.9	2.38	11.9	2.42	11.9	2.51	11.6	2.56	
11.00	12.3	2.25	12.3	2.36	12.3	2.40	12.3	2.47	12.3	2.56	11.6	2.52	
13.00	12.7	2.29	12.7	2.41	12.7	2.45	12.7	2.51	12.3	2.51	11.6	2.45	
15.00	13.1	2.33	13.1	2.45	13.0	2.49	13.0	2.46	12.3	2.47	11.6	2.32	
110%	-19.80	4.4	1.68	4.4	1.86	4.4	1.90	4.4	1.91	4.4	1.99	4.4	2.10
	-18.80	5.3	1.72	5.3	1.91	5.3	1.94	5.3	1.99	5.3	2.05	5.3	2.18
	-16.70	6.1	1.77	6.1	1.95	6.1	2.02	6.1	2.04	6.1	2.12	6.1	2.21
	-14.70	6.9	1.82	6.9	2.03	6.9	2.07	6.9	2.11	6.9	2.20	6.9	2.25
	-12.60	7.5	1.85	7.5	2.08	7.5	2.15	7.5	2.19	7.5	2.24	7.5	2.27
	-10.50	7.7	1.93	7.7	2.16	7.7	2.23	7.7	2.23	7.7	2.27	7.7	2.30
	-9.50	8.2	1.98	8.2	2.23	8.2	2.26	8.2	2.26	8.2	2.29	8.2	2.35
	-8.50	8.6	2.05	8.6	2.27	8.6	2.30	8.6	2.28	8.6	2.33	8.6	2.38
	-7.00	8.9	2.12	8.9	2.31	8.9	2.32	8.9	2.32	8.9	2.38	8.9	2.42
	-5.00	9.3	2.16	9.3	2.32	9.3	2.35	9.3	2.37	9.3	2.41	9.3	2.44
	-3.00	9.6	2.19	9.6	2.36	9.6	2.41	9.6	2.40	9.6	2.44	9.6	2.49
	0.00	10.2	2.21	10.2	2.42	10.2	2.44	10.2	2.43	10.2	2.47	10.2	2.53
	3.00	10.8	2.25	10.8	2.45	10.8	2.47	10.8	2.46	10.8	2.51	10.8	2.48
	5.00	11.2	2.30	11.2	2.48	11.2	2.50	11.2	2.50	11.2	2.56	10.8	2.45
	7.00	11.6	2.33	11.6	2.51	11.6	2.54	11.6	2.55	11.2	2.51	10.8	2.38
9.00	11.9	2.36	11.9	2.55	11.9	2.59	11.6	2.50	11.2	2.47	10.8	2.25	
11.00	12.4	2.38	12.3	2.60	11.9	2.54	11.6	2.46	11.2	2.40	10.8	2.21	
13.00	12.7	2.43	12.7	2.55	11.9	2.50	11.6	2.39	11.2	2.28	10.8	2.20	
15.00	13.0	2.47	12.9	2.51	11.9	2.43	11.6	2.27	11.2	2.24	10.8	2.16	

GMV-Pd100W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.80	4.4	1.83	4.4	1.93	4.4	2.12	4.4	2.18	4.4	2.19	4.4	2.25
	-18.80	5.3	1.88	5.3	2.01	5.3	2.20	5.3	2.26	5.3	2.27	5.2	2.29
	-16.70	6.1	1.92	6.1	2.06	6.0	2.28	6.1	2.30	6.1	2.31	6.0	2.32
	-14.70	6.9	2.00	6.9	2.14	6.9	2.32	6.9	2.34	6.9	2.34	6.9	2.34
	-12.60	7.5	2.05	7.5	2.22	7.5	2.35	7.5	2.38	7.5	2.36	7.4	2.38
	-10.50	7.7	2.13	7.7	2.26	7.7	2.37	7.7	2.39	7.7	2.40	7.7	2.43
	-9.50	8.2	2.21	8.2	2.29	8.2	2.41	8.2	2.41	8.2	2.45	8.2	2.46
	-8.50	8.6	2.24	8.6	2.31	8.6	2.47	8.6	2.46	8.6	2.48	8.4	2.50
	-7.00	8.9	2.28	8.9	2.35	8.9	2.50	8.9	2.50	8.9	2.52	8.9	2.52
	-5.00	9.3	2.29	9.3	2.40	9.3	2.53	9.3	2.53	9.3	2.55	9.3	2.57
	-3.00	9.6	2.33	9.6	2.43	9.6	2.56	9.6	2.56	9.6	2.59	9.6	2.61
	0.00	10.2	2.38	10.2	2.46	10.2	2.61	10.2	2.60	10.2	2.64	9.6	2.56
	3.00	10.8	2.42	10.8	2.49	10.8	2.65	10.7	2.60	10.3	2.58	9.6	2.53
	5.00	11.2	2.45	11.2	2.53	11.0	2.60	10.7	2.55	10.3	2.55	9.6	2.46
	7.00	11.6	2.47	11.5	2.58	11.0	2.56	10.7	2.51	10.3	2.48	9.6	2.33
9.00	11.9	2.52	11.5	2.53	11.0	2.49	10.7	2.44	10.3	2.35	9.6	2.29	
11.00	12.3	2.56	11.5	2.49	11.0	2.36	10.7	2.31	10.3	2.31	9.6	2.27	
13.00	12.4	2.51	11.5	2.42	11.0	2.32	10.7	2.28	10.3	2.28	9.6	2.23	
15.00	12.4	2.48	11.5	2.29	11.0	2.30	10.7	2.25	10.3	2.25	9.6	2.14	
90%	-19.80	4.4	2.00	4.4	2.13	4.4	2.21	4.4	2.29	4.4	2.28	4.4	2.32
	-18.80	5.3	2.05	5.3	2.21	5.3	2.25	5.3	2.33	5.3	2.32	5.2	2.36
	-16.70	6.1	2.13	6.1	2.25	6.0	2.29	6.0	2.36	6.1	2.34	6.0	2.42
	-14.70	6.9	2.20	6.9	2.28	6.9	2.30	6.9	2.38	6.9	2.38	6.9	2.45
	-12.60	7.5	2.24	7.5	2.30	7.5	2.34	7.5	2.40	7.5	2.43	7.4	2.48
	-10.50	7.7	2.27	7.7	2.34	7.7	2.39	7.7	2.45	7.7	2.46	7.7	2.51
	-9.50	8.2	2.29	8.2	2.39	8.2	2.42	8.2	2.48	8.2	2.49	8.2	2.55
	-8.50	8.6	2.33	8.6	2.42	8.6	2.46	8.6	2.52	8.6	2.52	8.4	2.60
	-7.00	8.9	2.38	8.9	2.46	8.9	2.48	8.9	2.54	8.9	2.57	8.4	2.55
	-5.00	9.3	2.41	9.3	2.48	9.3	2.53	9.3	2.59	9.3	2.61	8.4	2.51
	-3.00	9.6	2.45	9.6	2.53	9.6	2.57	9.6	2.58	9.3	2.56	8.4	2.44
	0.00	10.2	2.47	10.2	2.57	9.9	2.52	9.6	2.53	9.3	2.52	8.4	2.31
	3.00	10.8	2.52	10.8	2.52	9.9	2.49	9.6	2.50	9.3	2.45	8.4	2.27
	5.00	10.9	2.56	10.8	2.49	9.9	2.42	9.6	2.43	9.3	2.32	8.4	2.25
	7.00	11.2	2.51	10.8	2.42	9.9	2.29	9.6	2.30	9.3	2.28	8.4	2.21
9.00	11.2	2.48	10.8	2.29	9.9	2.25	9.6	2.26	9.3	2.27	8.4	2.13	
11.00	11.2	2.41	10.8	2.25	9.9	2.23	9.6	2.24	9.3	2.22	8.4	2.04	
13.00	11.2	2.28	10.8	2.23	9.9	2.19	9.6	2.20	9.3	2.14	8.4	1.97	
15.00	11.2	2.24	10.8	2.19	9.9	2.11	9.6	2.12	9.3	2.05	8.4	1.90	
80%	-19.80	4.4	2.20	4.4	2.24	4.4	2.29	4.4	2.31	4.4	2.35	4.4	2.41
	-18.80	5.3	2.24	5.3	2.28	5.3	2.30	5.3	2.35	5.3	2.40	5.2	2.44
	-16.70	6.1	2.27	6.1	2.29	6.0	2.34	6.0	2.40	6.1	2.43	6.0	2.47
	-14.70	6.9	2.29	6.9	2.33	6.9	2.39	6.9	2.43	6.9	2.47	6.9	2.50
	-12.60	7.5	2.33	7.5	2.38	7.5	2.42	7.5	2.46	7.5	2.49	7.4	2.55
	-10.50	7.7	2.38	7.7	2.42	7.7	2.46	7.7	2.49	7.7	2.54	7.7	2.59
	-9.50	8.2	2.41	8.2	2.45	8.2	2.48	8.2	2.54	8.2	2.58	7.7	2.54
	-8.50	8.6	2.44	8.6	2.47	8.6	2.53	8.6	2.58	8.2	2.53	7.7	2.51
	-7.00	8.9	2.47	8.9	2.52	8.9	2.57	8.6	2.53	8.2	2.50	7.7	2.44
	-5.00	9.3	2.51	9.3	2.56	8.9	2.52	8.6	2.50	8.2	2.43	7.7	2.31
	-3.00	9.6	2.56	9.3	2.51	8.9	2.49	8.6	2.43	8.2	2.30	7.7	2.27
	0.00	10.2	2.51	9.3	2.48	8.9	2.42	8.6	2.30	8.2	2.26	7.7	2.25
	3.00	10.2	2.47	9.3	2.41	8.9	2.29	8.6	2.26	8.2	2.24	7.7	2.21
	5.00	10.2	2.40	9.3	2.28	8.9	2.25	8.6	2.24	8.2	2.20	7.7	2.12
	7.00	10.2	2.28	9.3	2.24	8.9	2.23	8.6	2.20	8.2	2.12	7.7	2.03
9.00	10.2	2.24	9.3	2.23	8.9	2.19	8.6	2.12	8.2	2.03	7.7	1.96	
11.00	10.2	2.22	9.3	2.18	8.9	2.11	8.6	2.03	8.2	1.96	7.7	1.90	
13.00	10.2	2.18	9.3	2.10	8.9	2.02	8.6	1.96	8.2	1.89	7.7	1.84	
15.00	10.2	2.10	9.3	2.01	8.9	1.95	8.6	1.89	8.2	1.83	7.7	1.76	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pd100W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.80	4.3	2.31	4.3	2.39	4.3	2.42	4.3	2.44	4.3	2.45	4.3	2.49
	-18.80	5.1	2.35	5.1	2.42	5.1	2.45	5.1	2.47	5.1	2.49	5.1	2.53
	-16.70	5.9	2.40	5.9	2.46	5.9	2.47	5.8	2.51	5.8	2.54	5.3	2.48
	-14.70	6.0	2.43	6.0	2.48	6.0	2.52	6.0	2.56	5.8	2.49	5.3	2.45
	-12.60	7.2	2.46	7.2	2.53	7.2	2.56	6.0	2.51	5.8	2.45	5.3	2.38
	-10.50	8.1	2.49	8.1	2.57	7.2	2.51	6.0	2.47	5.8	2.39	5.3	2.25
	-9.50	8.2	2.54	8.2	2.52	7.2	2.48	6.0	2.40	5.8	2.26	5.3	2.21
	-8.50	8.5	2.58	8.2	2.49	7.2	2.41	6.0	2.28	5.8	2.22	5.3	2.20
	-7.00	8.5	2.53	8.2	2.42	7.2	2.28	6.0	2.24	5.8	2.20	5.3	2.16
	-5.00	8.5	2.50	8.2	2.29	7.2	2.24	6.0	2.22	5.8	2.16	5.3	2.08
	-3.00	8.5	2.43	8.2	2.25	7.2	2.23	6.0	2.18	5.8	2.08	5.3	1.99
	0.00	8.5	2.30	8.2	2.23	7.2	2.18	6.0	2.10	5.8	1.99	5.3	1.92
	3.00	8.5	2.26	8.2	2.19	7.2	2.10	6.0	2.01	5.8	1.92	5.3	1.85
	5.00	8.5	2.24	8.2	2.11	7.2	2.01	6.0	1.94	5.8	1.86	5.3	1.80
	7.00	8.5	2.20	8.2	2.02	7.2	1.94	6.0	1.87	5.8	1.80	5.3	1.72
9.00	8.5	2.12	8.2	1.95	7.2	1.88	6.0	1.82	5.8	1.73	5.3	1.65	
11.00	8.5	2.03	8.2	1.88	7.2	1.82	6.0	1.74	5.8	1.65	5.3	1.56	
13.00	8.5	1.96	8.2	1.83	7.2	1.74	6.0	1.66	5.8	1.56	5.3	1.62	
15.00	8.5	1.89	8.2	1.75	7.2	1.67	6.0	1.57	5.8	1.62	5.3	1.57	
60%	-19.80	4.3	2.47	4.3	2.44	4.3	2.47	4.3	2.49	4.2	2.43	3.9	2.30
	-18.80	5.0	2.49	5.0	2.49	4.6	2.51	4.5	2.44	4.2	2.38	3.9	2.25
	-16.70	5.8	2.54	5.7	2.53	5.0	2.46	4.5	2.41	4.2	2.35	3.9	2.22
	-14.70	6.7	2.58	6.7	2.48	5.0	2.43	4.5	2.34	4.2	2.29	3.9	2.16
	-12.60	7.4	2.53	6.7	2.45	5.0	2.36	4.5	2.22	4.2	2.16	3.9	2.04
	-10.50	7.4	2.50	6.7	2.38	5.0	2.23	4.5	2.18	4.2	2.13	3.9	2.01
	-9.50	7.4	2.43	6.7	2.25	5.0	2.20	4.5	2.16	4.2	2.11	3.9	1.99
	-8.50	7.4	2.30	6.7	2.21	5.0	2.18	4.5	2.12	4.2	2.07	3.9	1.96
	-7.00	7.4	2.26	6.7	2.20	5.0	2.14	4.5	2.04	4.2	1.99	3.9	1.88
	-5.00	7.4	2.24	6.7	2.16	5.0	2.06	4.5	1.96	4.2	1.91	3.9	1.80
	-3.00	7.4	2.20	6.7	2.08	5.0	1.97	4.5	1.89	4.2	1.84	3.9	1.74
	0.00	7.4	2.12	6.7	1.99	5.0	1.90	4.5	1.82	4.2	1.78	3.9	1.68
	3.00	7.4	2.03	6.7	1.92	5.0	1.84	4.5	1.77	4.2	1.73	3.9	1.63
	5.00	7.4	1.96	6.7	1.85	5.0	1.78	4.5	1.69	4.2	1.65	3.9	1.56
	7.00	7.4	1.89	6.7	1.80	5.0	1.71	4.5	1.62	4.2	1.58	3.9	1.49
9.00	7.4	1.83	6.7	1.72	5.0	1.63	4.5	1.53	4.2	1.50	3.9	1.41	
11.00	7.4	1.76	6.7	1.65	5.0	1.54	4.5	1.59	4.2	1.55	3.9	1.47	
13.00	7.4	1.68	6.7	1.56	5.0	1.60	4.5	1.54	4.2	1.51	3.9	1.42	
15.00	7.4	1.59	6.7	1.62	5.0	1.56	4.5	1.49	4.2	1.46	3.9	1.38	
50%	-19.80	4.2	2.48	3.9	2.41	3.8	2.35	3.6	2.25	3.6	2.18	3.3	2.10
	-18.80	4.2	2.45	3.9	2.38	3.8	2.32	3.6	2.22	3.6	2.15	3.3	2.08
	-16.70	4.2	2.38	3.9	2.32	3.8	2.25	3.6	2.16	3.6	2.09	3.3	2.02
	-14.70	4.2	2.25	3.9	2.19	3.8	2.13	3.6	2.04	3.6	1.98	3.3	1.91
	-12.60	4.2	2.21	3.9	2.16	3.8	2.10	3.6	2.01	3.6	1.94	3.3	1.88
	-10.50	4.2	2.15	3.9	2.10	3.8	2.08	3.6	1.99	3.6	1.93	3.3	1.86
	-9.50	4.2	2.07	3.9	2.00	3.8	2.04	3.6	1.95	3.6	1.89	3.3	1.83
	-8.50	4.2	1.96	3.9	1.95	3.8	1.96	3.6	1.86	3.6	1.82	3.3	1.76
	-7.00	4.2	1.92	3.9	1.86	3.8	1.86	3.6	1.80	3.6	1.74	3.3	1.68
	-5.00	4.2	1.85	3.9	1.80	3.8	1.81	3.6	1.73	3.6	1.68	3.3	1.60
	-3.00	4.2	1.79	3.9	1.73	3.8	1.75	3.6	1.68	3.6	1.61	3.3	1.57
	0.00	4.2	1.72	3.9	1.65	3.8	1.70	3.6	1.63	3.6	1.58	3.3	1.52
	3.00	4.2	1.65	3.9	1.58	3.8	1.60	3.6	1.54	3.6	1.51	3.3	1.43
	5.00	4.2	1.56	3.9	1.49	3.8	1.56	3.6	1.49	3.6	1.44	3.3	1.40
	7.00	4.2	1.44	3.9	1.43	3.8	1.47	3.6	1.41	3.6	1.37	3.3	1.32
9.00	4.2	1.38	3.9	1.33	3.8	1.31	3.6	1.25	3.6	1.21	3.3	1.17	
11.00	4.2	1.31	3.9	1.26	3.8	1.23	3.6	1.17	3.6	1.13	3.3	1.10	
13.00	4.2	1.27	3.9	1.19	3.8	1.23	3.6	1.15	3.6	1.11	3.3	1.07	
15.00	4.2	1.17	3.9	1.14	3.8	1.13	3.6	1.11	3.6	1.07	3.3	1.03	

GMV-Pd120W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.80	5.6	2.16	5.6	2.22	5.6	2.25	5.6	2.26	5.6	2.34	5.6	2.39
	-18.80	6.8	2.21	6.8	2.27	6.8	2.30	6.8	2.31	6.8	2.39	6.8	2.46
	-16.70	7.7	2.27	7.7	2.34	7.7	2.37	7.7	2.38	7.7	2.46	7.7	2.53
	-14.70	8.8	2.34	8.8	2.40	8.8	2.44	8.8	2.45	8.8	2.53	8.8	2.58
	-12.60	9.5	2.38	9.5	2.45	9.5	2.49	9.5	2.50	9.5	2.58	9.5	2.69
	-10.50	9.8	2.48	9.8	2.55	9.8	2.59	9.8	2.60	9.8	2.68	9.8	2.76
	-9.50	10.5	2.54	10.5	2.61	10.5	2.65	10.5	2.66	10.5	2.75	10.5	2.86
	-8.50	10.9	2.64	10.9	2.71	10.9	2.75	10.9	2.76	10.9	2.85	10.9	2.96
	-7.00	11.3	2.73	11.3	2.81	11.3	2.85	11.3	2.86	11.3	2.96	11.3	3.01
	-5.00	11.9	2.78	11.9	2.86	11.9	2.90	11.9	2.91	11.9	3.01	11.9	3.06
	-3.00	12.3	2.82	12.3	2.90	12.3	2.94	12.3	2.96	12.3	3.05	12.3	3.08
	0.00	13.0	2.85	13.0	2.92	13.0	2.97	13.0	2.98	13.0	3.08	13.0	3.13
	3.00	13.7	2.89	13.7	2.97	13.7	3.02	13.7	3.03	13.7	3.13	13.7	3.20
	5.00	14.2	2.96	14.2	3.04	14.2	3.08	14.2	3.10	14.2	3.20	14.2	3.24
	7.00	14.7	2.99	14.7	3.08	14.7	3.12	14.7	3.14	14.7	3.24	14.7	3.29
9.00	15.2	3.04	15.2	3.12	15.2	3.17	15.2	3.18	15.2	3.28	15.2	3.32	
11.00	15.8	3.07	15.6	3.15	15.6	3.20	15.6	3.21	15.6	3.32	15.6	3.39	
13.00	16.2	3.13	16.2	3.21	16.2	3.26	16.2	3.27	16.0	3.38	15.9	3.44	
15.00	16.7	3.18	16.7	3.27	16.7	3.32	16.7	3.33	16.2	3.44	15.9	3.38	
120%	-19.80	5.6	2.07	5.6	2.21	5.6	2.25	5.6	2.31	5.6	2.42	5.6	2.60
	-18.80	6.8	2.15	6.8	2.26	6.8	2.30	6.8	2.38	6.8	2.49	6.8	2.70
	-16.70	7.7	2.21	7.7	2.32	7.7	2.36	7.7	2.45	7.7	2.54	7.7	2.77
	-14.70	8.8	2.28	8.8	2.39	8.8	2.43	8.8	2.50	8.8	2.65	8.8	2.87
	-12.60	9.5	2.32	9.5	2.43	9.5	2.48	9.5	2.60	9.5	2.71	9.5	2.98
	-10.50	9.8	2.41	9.8	2.53	9.8	2.58	9.8	2.66	9.8	2.81	9.8	3.03
	-9.50	10.5	2.48	10.5	2.60	10.5	2.64	10.5	2.76	10.5	2.92	10.5	3.07
	-8.50	10.9	2.57	10.9	2.69	10.9	2.74	10.9	2.86	10.9	2.97	10.9	3.10
	-7.00	11.3	2.66	11.3	2.79	11.3	2.84	11.3	2.91	11.3	3.01	11.3	3.15
	-5.00	11.9	2.71	11.9	2.84	11.9	2.89	11.9	2.96	11.9	3.04	11.9	3.22
	-3.00	12.3	2.75	12.3	2.88	12.3	2.93	12.3	2.98	12.3	3.09	12.3	3.26
	0.00	13.0	2.77	13.0	2.90	13.0	2.96	13.0	3.03	13.0	3.15	13.0	3.31
	3.00	13.7	2.82	13.7	2.95	13.7	3.01	13.7	3.10	13.7	3.19	13.7	3.34
	5.00	14.2	2.88	14.2	3.02	14.2	3.07	14.2	3.14	14.2	3.24	14.2	3.40
	7.00	14.7	2.92	14.7	3.06	14.7	3.11	14.7	3.18	14.7	3.27	14.7	3.46
9.00	15.2	2.96	15.2	3.10	15.2	3.15	15.2	3.21	15.2	3.33	14.7	3.39	
11.00	15.6	2.99	15.6	3.13	15.6	3.19	15.6	3.27	15.6	3.39	14.7	3.35	
13.00	16.2	3.04	16.2	3.19	16.1	3.25	16.1	3.33	15.6	3.32	14.7	3.25	
15.00	16.7	3.10	16.7	3.25	16.6	3.30	16.5	3.26	15.6	3.28	14.7	3.08	
110%	-19.80	5.6	2.23	5.6	2.46	5.6	2.52	5.6	2.53	5.6	2.65	5.6	2.79
	-18.80	6.8	2.28	6.8	2.53	6.8	2.57	6.8	2.63	6.8	2.71	6.8	2.89
	-16.70	7.7	2.34	7.7	2.58	7.7	2.68	7.7	2.70	7.7	2.81	7.7	2.94
	-14.70	8.8	2.41	8.8	2.69	8.8	2.74	8.8	2.80	8.8	2.92	8.8	2.98
	-12.60	9.5	2.46	9.5	2.76	9.5	2.85	9.5	2.91	9.5	2.97	9.5	3.00
	-10.50	9.8	2.56	9.8	2.86	9.8	2.95	9.8	2.96	9.8	3.01	9.8	3.05
	-9.50	10.5	2.62	10.5	2.96	10.5	3.00	10.5	3.00	10.5	3.04	10.5	3.12
	-8.50	10.9	2.72	10.9	3.01	10.9	3.05	10.9	3.02	10.9	3.09	10.9	3.16
	-7.00	11.3	2.82	11.3	3.06	11.3	3.07	11.3	3.07	11.3	3.15	11.3	3.20
	-5.00	11.9	2.87	11.9	3.08	11.9	3.12	11.9	3.14	11.9	3.19	11.9	3.24
	-3.00	12.3	2.91	12.3	3.13	12.3	3.19	12.3	3.18	12.3	3.24	12.3	3.30
	0.00	13.0	2.93	13.0	3.20	13.0	3.23	13.0	3.23	13.0	3.27	13.0	3.36
	3.00	13.7	2.98	13.7	3.24	13.7	3.28	13.7	3.26	13.7	3.33	13.7	3.29
	5.00	14.2	3.05	14.2	3.29	14.2	3.31	14.2	3.32	14.2	3.39	13.7	3.25
	7.00	14.7	3.09	14.7	3.32	14.7	3.37	14.7	3.38	14.2	3.32	13.7	3.15
9.00	15.2	3.13	15.2	3.39	15.2	3.43	14.7	3.31	14.2	3.28	13.7	2.99	
11.00	15.8	3.16	15.6	3.44	15.2	3.36	14.7	3.27	14.2	3.19	13.7	2.94	
13.00	16.2	3.22	16.2	3.38	15.2	3.32	14.7	3.18	14.2	3.02	13.7	2.91	
15.00	16.5	3.28	16.4	3.33	15.2	3.23	14.7	3.01	14.2	2.97	13.7	2.86	

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GMV-Pd120W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.80	5.6	2.43	5.6	2.56	5.6	2.81	5.6	2.89	5.6	2.90	5.6	2.98
	-18.80	6.8	2.50	6.7	2.67	6.7	2.92	6.7	3.00	6.7	3.01	6.7	3.03
	-16.70	7.7	2.55	7.7	2.73	7.7	3.02	7.7	3.05	7.7	3.06	7.6	3.08
	-14.70	8.8	2.65	8.8	2.84	8.8	3.08	8.8	3.10	8.8	3.11	8.8	3.10
	-12.60	9.5	2.72	9.5	2.94	9.5	3.12	9.5	3.15	9.5	3.13	9.5	3.15
	-10.50	9.8	2.82	9.8	2.99	9.8	3.15	9.8	3.17	9.8	3.18	9.8	3.22
	-9.50	10.5	2.92	10.5	3.03	10.5	3.20	10.5	3.20	10.5	3.25	10.4	3.27
	-8.50	10.9	2.97	10.9	3.06	10.9	3.27	10.9	3.27	10.9	3.29	10.7	3.31
	-7.00	11.3	3.02	11.3	3.11	11.3	3.31	11.3	3.31	11.3	3.34	11.3	3.34
	-5.00	11.9	3.04	11.9	3.18	11.9	3.36	11.9	3.35	11.9	3.37	11.8	3.41
	-3.00	12.3	3.09	12.3	3.22	12.2	3.39	12.3	3.39	12.3	3.44	12.2	3.47
	0.00	13.0	3.16	13.0	3.26	13.0	3.46	13.0	3.45	13.0	3.50	12.2	3.40
	3.00	13.7	3.20	13.7	3.30	13.7	3.51	13.6	3.44	13.1	3.43	12.2	3.35
	5.00	14.2	3.25	14.2	3.36	14.0	3.44	13.6	3.38	13.1	3.38	12.2	3.26
	7.00	14.7	3.28	14.7	3.42	14.0	3.40	13.6	3.33	13.1	3.29	12.2	3.08
9.00	15.2	3.34	14.7	3.35	14.0	3.30	13.6	3.24	13.1	3.11	12.2	3.03	
11.00	15.6	3.40	14.7	3.30	14.0	3.13	13.6	3.07	13.1	3.06	12.2	3.01	
13.00	15.8	3.33	14.7	3.21	14.0	3.08	13.6	3.03	13.1	3.02	12.2	2.95	
15.00	15.8	3.29	14.7	3.04	14.0	3.05	13.6	2.99	13.1	2.98	12.2	2.84	
90%	-19.80	5.6	2.65	5.6	2.83	5.6	2.94	5.6	3.04	5.6	3.03	5.6	3.08
	-18.80	6.8	2.72	6.7	2.93	6.7	2.99	6.7	3.09	6.7	3.07	6.7	3.13
	-16.70	7.7	2.82	7.7	2.98	7.7	3.03	7.7	3.13	7.7	3.10	7.6	3.20
	-14.70	8.8	2.92	8.8	3.03	8.8	3.05	8.8	3.16	8.8	3.15	8.8	3.24
	-12.60	9.5	2.97	9.5	3.05	9.5	3.11	9.5	3.18	9.5	3.22	9.5	3.29
	-10.50	9.8	3.02	9.8	3.10	9.8	3.17	9.8	3.25	9.8	3.26	9.8	3.32
	-9.50	10.5	3.04	10.5	3.17	10.5	3.22	10.5	3.29	10.5	3.31	10.4	3.39
	-8.50	10.9	3.09	10.9	3.21	10.9	3.26	10.9	3.34	10.9	3.34	10.7	3.44
	-7.00	11.3	3.16	11.3	3.26	11.3	3.29	11.3	3.37	11.3	3.40	10.7	3.38
	-5.00	11.9	3.20	11.9	3.29	11.9	3.36	11.9	3.43	11.9	3.46	10.7	3.33
	-3.00	12.3	3.24	12.3	3.35	12.3	3.41	12.3	3.43	11.9	3.39	10.7	3.24
	0.00	13.0	3.28	13.0	3.41	12.6	3.34	12.3	3.36	11.9	3.35	10.7	3.07
	3.00	13.7	3.34	13.7	3.34	12.6	3.30	12.3	3.31	11.9	3.25	10.7	3.01
	5.00	13.9	3.40	13.7	3.30	12.6	3.21	12.3	3.22	11.9	3.08	10.7	2.99
	7.00	14.2	3.33	13.7	3.20	12.6	3.04	12.3	3.05	11.9	3.03	10.7	2.93
9.00	14.2	3.28	13.7	3.03	12.6	2.99	12.3	3.00	11.9	3.00	10.7	2.82	
11.00	14.2	3.19	13.7	2.98	12.6	2.96	12.3	2.97	11.9	2.95	10.7	2.70	
13.00	14.2	3.02	13.7	2.96	12.6	2.91	12.3	2.92	11.9	2.84	10.7	2.61	
15.00	14.2	2.97	13.7	2.90	12.6	2.80	12.3	2.81	11.9	2.72	10.7	2.52	
80%	-19.80	5.6	2.92	5.6	2.97	5.6	3.03	5.6	3.06	5.6	3.12	5.6	3.19
	-18.80	6.8	2.97	6.7	3.02	6.7	3.05	6.7	3.11	6.7	3.19	6.7	3.24
	-16.70	7.7	3.01	7.7	3.04	7.7	3.11	7.7	3.18	7.7	3.23	7.6	3.28
	-14.70	8.8	3.04	8.8	3.09	8.8	3.17	8.8	3.22	8.8	3.27	8.8	3.32
	-12.60	9.5	3.09	9.5	3.16	9.5	3.22	9.5	3.27	9.5	3.31	9.5	3.38
	-10.50	9.8	3.15	9.8	3.20	9.8	3.26	9.8	3.30	9.8	3.37	9.8	3.44
	-9.50	10.5	3.19	10.5	3.25	10.5	3.29	10.5	3.36	10.5	3.43	9.8	3.37
	-8.50	10.9	3.24	10.9	3.28	10.9	3.36	10.9	3.42	10.5	3.36	9.8	3.32
	-7.00	11.3	3.27	11.3	3.34	11.3	3.41	10.9	3.35	10.5	3.31	9.8	3.23
	-5.00	11.9	3.33	11.9	3.40	11.3	3.34	10.9	3.31	10.5	3.22	9.8	3.06
	-3.00	12.3	3.39	11.9	3.33	11.3	3.30	10.9	3.22	10.5	3.05	9.8	3.01
	0.00	13.0	3.32	11.9	3.29	11.3	3.21	10.9	3.05	10.5	3.00	9.8	2.98
	3.00	13.0	3.28	11.9	3.20	11.3	3.04	10.9	2.99	10.5	2.97	9.8	2.93
	5.00	13.0	3.19	11.9	3.03	11.3	2.99	10.9	2.97	10.5	2.92	9.8	2.82
	7.00	13.0	3.02	11.9	2.97	11.3	2.96	10.9	2.92	10.5	2.81	9.8	2.70
9.00	13.0	2.97	11.9	2.95	11.3	2.91	10.9	2.81	10.5	2.69	9.8	2.60	
11.00	13.0	2.94	11.9	2.90	11.3	2.80	10.9	2.69	10.5	2.60	9.8	2.51	
13.00	13.0	2.89	11.9	2.79	11.3	2.68	10.9	2.59	10.5	2.51	9.8	2.44	
15.00	13.0	2.78	11.9	2.67	11.3	2.59	10.9	2.50	10.5	2.43	9.8	2.34	

GMV-Pd120W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW	Q kW	P kW
70%	-19.80	5.5	3.06	5.5	3.17	5.5	3.20	5.5	3.24	5.5	3.25	5.5	3.30
	-18.80	6.5	3.11	6.5	3.22	6.5	3.25	6.4	3.27	6.4	3.31	6.4	3.36
	-16.70	7.5	3.18	7.5	3.26	7.5	3.28	7.4	3.33	7.4	3.36	6.8	3.29
	-14.70	7.6	3.22	7.6	3.29	7.6	3.34	7.6	3.39	7.4	3.30	6.8	3.25
	-12.60	9.1	3.27	9.1	3.36	9.1	3.40	7.6	3.32	7.4	3.25	6.8	3.15
	-10.50	10.4	3.30	10.4	3.41	9.1	3.33	7.6	3.28	7.4	3.16	6.8	2.99
	-9.50	10.4	3.36	10.4	3.34	9.1	3.29	7.6	3.19	7.4	2.99	6.8	2.94
	-8.50	10.8	3.42	10.4	3.30	9.1	3.20	7.6	3.02	7.4	2.94	6.8	2.91
	-7.00	10.8	3.35	10.4	3.21	9.1	3.03	7.6	2.97	7.4	2.92	6.8	2.86
	-5.00	10.8	3.31	10.4	3.04	9.1	2.97	7.6	2.94	7.4	2.87	6.8	2.75
	-3.00	10.8	3.22	10.4	2.99	9.1	2.95	7.6	2.89	7.4	2.76	6.8	2.63
	0.00	10.8	3.05	10.4	2.96	9.1	2.90	7.6	2.78	7.4	2.64	6.8	2.54
	3.00	10.8	2.99	10.4	2.91	9.1	2.79	7.6	2.66	7.4	2.55	6.8	2.46
	5.00	10.8	2.97	10.4	2.80	9.1	2.67	7.6	2.57	7.4	2.46	6.8	2.38
	7.00	10.8	2.92	10.4	2.68	9.1	2.58	7.6	2.48	7.4	2.39	6.8	2.28
9.00	10.8	2.81	10.4	2.59	9.1	2.49	7.6	2.41	7.4	2.29	6.8	2.18	
11.00	10.8	2.69	10.4	2.50	9.1	2.41	7.6	2.31	7.4	2.19	6.8	2.06	
13.00	10.8	2.59	10.4	2.42	9.1	2.31	7.6	2.20	7.4	2.07	6.8	2.15	
15.00	10.8	2.50	10.4	2.32	9.1	2.21	7.6	2.09	7.4	2.15	6.8	2.08	
60%	-19.80	5.5	3.27	5.5	3.24	5.5	3.27	5.5	3.30	5.3	3.22	5.0	3.05
	-18.80	6.3	3.31	6.3	3.30	5.8	3.33	5.8	3.24	5.3	3.16	5.0	2.99
	-16.70	7.3	3.37	7.2	3.36	6.3	3.26	5.8	3.19	5.3	3.12	5.0	2.95
	-14.70	8.5	3.43	8.5	3.29	6.3	3.22	5.8	3.10	5.3	3.03	5.0	2.86
	-12.60	9.5	3.36	8.5	3.25	6.3	3.13	5.8	2.94	5.3	2.87	5.0	2.71
	-10.50	9.5	3.31	8.5	3.15	6.3	2.96	5.8	2.89	5.3	2.82	5.0	2.67
	-9.50	9.5	3.22	8.5	2.99	6.3	2.91	5.8	2.87	5.3	2.80	5.0	2.64
	-8.50	9.5	3.05	8.5	2.94	6.3	2.89	5.8	2.81	5.3	2.75	5.0	2.60
	-7.00	9.5	3.00	8.5	2.91	6.3	2.84	5.8	2.71	5.3	2.64	5.0	2.50
	-5.00	9.5	2.97	8.5	2.86	6.3	2.73	5.8	2.59	5.3	2.53	5.0	2.39
	-3.00	9.5	2.92	8.5	2.75	6.3	2.61	5.8	2.50	5.3	2.44	5.0	2.31
	0.00	9.5	2.81	8.5	2.63	6.3	2.52	5.8	2.42	5.3	2.36	5.0	2.23
	3.00	9.5	2.69	8.5	2.54	6.3	2.44	5.8	2.35	5.3	2.29	5.0	2.16
	5.00	9.5	2.60	8.5	2.46	6.3	2.36	5.8	2.25	5.3	2.19	5.0	2.07
	7.00	9.5	2.51	8.5	2.38	6.3	2.26	5.8	2.15	5.3	2.10	5.0	1.98
9.00	9.5	2.43	8.5	2.28	6.3	2.16	5.8	2.03	5.3	1.98	5.0	1.87	
11.00	9.5	2.33	8.5	2.18	6.3	2.05	5.8	2.11	5.3	2.06	5.0	1.95	
13.00	9.5	2.23	8.5	2.06	6.3	2.13	5.8	2.05	5.3	2.00	5.0	1.89	
15.00	9.5	2.11	8.5	2.15	6.3	2.06	5.8	1.98	5.3	1.93	5.0	1.83	
50%	-19.80	5.4	3.29	4.9	3.20	4.8	3.12	4.6	2.98	4.5	2.89	4.2	2.79
	-18.80	5.4	3.25	4.9	3.16	4.8	3.07	4.6	2.95	4.5	2.85	4.2	2.76
	-16.70	5.4	3.15	4.9	3.07	4.8	2.99	4.6	2.87	4.5	2.77	4.2	2.68
	-14.70	5.4	2.98	4.9	2.91	4.8	2.83	4.6	2.71	4.5	2.62	4.2	2.53
	-12.60	5.4	2.94	4.9	2.86	4.8	2.78	4.6	2.67	4.5	2.58	4.2	2.49
	-10.50	5.4	2.86	4.9	2.78	4.8	2.76	4.6	2.64	4.5	2.56	4.2	2.47
	-9.50	5.4	2.75	4.9	2.66	4.8	2.71	4.6	2.59	4.5	2.51	4.2	2.42
	-8.50	5.4	2.61	4.9	2.59	4.8	2.61	4.6	2.47	4.5	2.41	4.2	2.33
	-7.00	5.4	2.54	4.9	2.47	4.8	2.47	4.6	2.39	4.5	2.31	4.2	2.23
	-5.00	5.4	2.46	4.9	2.39	4.8	2.41	4.6	2.30	4.5	2.23	4.2	2.12
	-3.00	5.4	2.38	4.9	2.30	4.8	2.33	4.6	2.23	4.5	2.13	4.2	2.08
	0.00	5.4	2.28	4.9	2.19	4.8	2.26	4.6	2.16	4.5	2.10	4.2	2.02
	3.00	5.4	2.18	4.9	2.10	4.8	2.12	4.6	2.04	4.5	2.00	4.2	1.90
	5.00	5.4	2.06	4.9	1.98	4.8	2.07	4.6	1.98	4.5	1.91	4.2	1.85
	7.00	5.4	1.91	4.9	1.89	4.8	1.95	4.6	1.87	4.5	1.81	4.2	1.75
9.00	5.4	1.83	4.9	1.76	4.8	1.73	4.6	1.66	4.5	1.60	4.2	1.55	
11.00	5.4	1.74	4.9	1.67	4.8	1.63	4.6	1.55	4.5	1.50	4.2	1.46	
13.00	5.4	1.68	4.9	1.57	4.8	1.62	4.6	1.52	4.5	1.47	4.2	1.42	
15.00	5.4	1.55	4.9	1.51	4.8	1.50	4.6	1.47	4.5	1.41	4.2	1.36	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pd140W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.80	6.2	2.58	6.2	2.65	6.2	2.69	6.2	2.70	6.2	2.79	6.2	2.85
	-18.80	7.4	2.63	7.4	2.71	7.4	2.75	7.4	2.76	7.4	2.85	7.4	2.93
	-16.70	8.5	2.71	8.5	2.78	8.5	2.82	8.5	2.84	8.5	2.93	8.5	3.02
	-14.70	9.7	2.78	9.7	2.86	9.7	2.90	9.7	2.91	9.7	3.01	9.7	3.08
	-12.60	10.5	2.84	10.5	2.92	10.5	2.96	10.5	2.97	10.5	3.07	10.5	3.20
	-10.50	10.8	2.95	10.8	3.04	10.8	3.08	10.8	3.09	10.8	3.20	10.8	3.28
	-9.50	11.5	3.03	11.5	3.11	11.5	3.16	11.5	3.17	11.5	3.28	11.5	3.41
	-8.50	12.0	3.14	12.0	3.23	12.0	3.28	12.0	3.29	12.0	3.40	12.0	3.53
	-7.00	12.5	3.26	12.5	3.35	12.5	3.40	12.5	3.41	12.5	3.52	12.5	3.59
	-5.00	13.1	3.31	13.1	3.41	13.1	3.46	13.1	3.47	13.1	3.59	13.1	3.64
	-3.00	13.5	3.36	13.5	3.46	13.5	3.51	13.5	3.52	13.5	3.64	13.5	3.67
	0.00	14.3	3.39	14.3	3.48	14.3	3.54	14.3	3.55	14.3	3.67	14.3	3.73
	3.00	15.1	3.45	15.1	3.54	15.1	3.59	15.1	3.61	15.1	3.73	15.1	3.82
	5.00	15.6	3.52	15.6	3.62	15.6	3.67	15.6	3.69	15.6	3.81	15.6	3.86
	7.00	16.2	3.57	16.2	3.67	16.2	3.72	16.2	3.74	16.2	3.86	16.2	3.92
9.00	16.7	3.62	16.7	3.72	16.7	3.77	16.7	3.79	16.7	3.91	16.7	3.96	
11.00	17.4	3.65	17.2	3.76	17.2	3.81	17.2	3.83	17.2	3.95	17.2	4.03	
13.00	17.8	3.72	17.8	3.83	17.8	3.88	17.8	3.90	17.6	4.03	17.5	4.10	
15.00	18.4	3.79	18.3	3.89	18.3	3.95	18.3	3.97	17.8	4.10	17.5	4.02	
120%	-19.80	6.2	2.47	6.2	2.63	6.2	2.68	6.2	2.76	6.2	2.89	6.2	3.09
	-18.80	7.4	2.56	7.4	2.69	7.4	2.73	7.4	2.84	7.4	2.97	7.4	3.22
	-16.70	8.5	2.64	8.5	2.76	8.5	2.81	8.5	2.91	8.5	3.03	8.5	3.30
	-14.70	9.7	2.71	9.7	2.84	9.7	2.89	9.7	2.97	9.7	3.15	9.7	3.42
	-12.60	10.5	2.77	10.5	2.90	10.5	2.95	10.5	3.09	10.5	3.23	10.5	3.55
	-10.50	10.8	2.88	10.8	3.02	10.8	3.07	10.8	3.17	10.8	3.35	10.8	3.61
	-9.50	11.5	2.95	11.5	3.09	11.5	3.15	11.5	3.29	11.5	3.47	11.5	3.66
	-8.50	12.0	3.06	12.0	3.21	12.0	3.27	12.0	3.41	12.0	3.53	12.0	3.69
	-7.00	12.5	3.17	12.5	3.32	12.5	3.38	12.5	3.47	12.5	3.59	12.5	3.75
	-5.00	13.1	3.23	13.1	3.38	13.1	3.44	13.1	3.52	13.1	3.62	13.1	3.83
	-3.00	13.5	3.27	13.5	3.43	13.5	3.49	13.5	3.55	13.5	3.68	13.5	3.88
	0.00	14.3	3.30	14.3	3.46	14.3	3.52	14.3	3.61	14.3	3.76	14.3	3.94
	3.00	15.1	3.36	15.1	3.52	15.1	3.58	15.1	3.69	15.1	3.81	15.1	3.98
	5.00	15.6	3.43	15.6	3.60	15.6	3.66	15.6	3.74	15.6	3.86	15.6	4.05
	7.00	16.2	3.47	16.2	3.64	16.2	3.71	16.2	3.79	16.2	3.90	16.2	4.12
9.00	16.7	3.52	16.7	3.69	16.7	3.76	16.7	3.83	16.7	3.97	16.2	4.04	
11.00	17.2	3.56	17.2	3.73	17.2	3.80	17.2	3.90	17.2	4.04	16.2	3.99	
13.00	17.8	3.62	17.8	3.80	17.7	3.87	17.7	3.97	17.2	3.96	16.2	3.88	
15.00	18.4	3.69	18.3	3.87	18.2	3.93	18.2	3.89	17.2	3.91	16.2	3.67	
110%	-19.80	6.2	2.65	6.2	2.93	6.2	3.00	6.2	3.02	6.2	3.15	6.2	3.32
	-18.80	7.4	2.71	7.4	3.02	7.4	3.07	7.4	3.14	7.4	3.23	7.4	3.44
	-16.70	8.5	2.79	8.5	3.08	8.5	3.19	8.5	3.22	8.5	3.35	8.5	3.50
	-14.70	9.7	2.87	9.7	3.20	9.7	3.27	9.7	3.34	9.7	3.47	9.7	3.55
	-12.60	10.5	2.93	10.5	3.28	10.5	3.39	10.5	3.46	10.5	3.53	10.5	3.58
	-10.50	10.8	3.04	10.8	3.41	10.8	3.51	10.8	3.52	10.8	3.59	10.8	3.64
	-9.50	11.5	3.12	11.5	3.53	11.5	3.58	11.5	3.57	11.5	3.62	11.5	3.72
	-8.50	12.0	3.24	12.0	3.59	12.0	3.63	12.0	3.60	12.0	3.68	12.0	3.77
	-7.00	12.5	3.36	12.5	3.64	12.5	3.66	12.5	3.66	12.5	3.76	12.5	3.82
	-5.00	13.1	3.41	13.1	3.67	13.1	3.72	13.1	3.74	13.1	3.81	13.1	3.86
	-3.00	13.5	3.47	13.5	3.73	13.5	3.80	13.5	3.79	13.5	3.86	13.5	3.93
	0.00	14.3	3.49	14.3	3.82	14.3	3.85	14.3	3.84	14.3	3.90	14.3	4.00
	3.00	15.1	3.55	15.1	3.86	15.1	3.90	15.1	3.88	15.1	3.97	15.1	3.92
	5.00	15.6	3.63	15.6	3.92	15.6	3.94	15.6	3.96	15.6	4.04	15.1	3.87
	7.00	16.2	3.68	16.2	3.96	16.2	4.02	16.2	4.02	15.6	3.96	15.1	3.76
9.00	16.7	3.73	16.7	4.03	16.7	4.09	16.2	3.94	15.6	3.91	15.1	3.56	
11.00	17.4	3.77	17.2	4.10	16.7	4.01	16.2	3.89	15.6	3.80	15.1	3.50	
13.00	17.8	3.84	17.8	4.02	16.7	3.95	16.2	3.78	15.6	3.60	15.1	3.47	
15.00	18.1	3.90	18.0	3.97	16.7	3.84	16.2	3.58	15.6	3.53	15.1	3.41	

GMV-Pd140W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.80	6.2	2.90	6.2	3.05	6.2	3.35	6.2	3.45	6.2	3.46	6.1	3.55
	-18.80	7.4	2.98	7.4	3.18	7.4	3.48	7.4	3.58	7.4	3.58	7.3	3.61
	-16.70	8.5	3.04	8.5	3.26	8.5	3.60	8.5	3.63	8.5	3.64	8.4	3.67
	-14.70	9.7	3.16	9.7	3.38	9.7	3.66	9.7	3.70	9.7	3.70	9.7	3.70
	-12.60	10.5	3.24	10.5	3.50	10.4	3.72	10.5	3.75	10.5	3.73	10.4	3.76
	-10.50	10.8	3.36	10.8	3.56	10.8	3.75	10.8	3.78	10.8	3.79	10.8	3.84
	-9.50	11.5	3.48	11.5	3.62	11.6	3.81	11.5	3.81	11.5	3.87	11.5	3.89
	-8.50	12.0	3.54	12.0	3.64	12.0	3.89	12.0	3.89	12.0	3.92	11.8	3.94
	-7.00	12.5	3.60	12.5	3.70	12.5	3.94	12.5	3.94	12.5	3.98	12.4	3.98
	-5.00	13.1	3.62	13.1	3.79	13.1	4.00	13.1	4.00	13.1	4.02	13.0	4.06
	-3.00	13.5	3.69	13.5	3.83	13.5	4.04	13.5	4.04	13.5	4.09	13.4	4.13
	0.00	14.3	3.77	14.3	3.89	14.3	4.12	14.3	4.11	14.3	4.17	13.4	4.05
	3.00	15.1	3.82	15.1	3.93	15.1	4.19	14.9	4.10	14.4	4.08	13.4	3.99
	5.00	15.6	3.87	15.6	4.00	15.4	4.10	14.9	4.02	14.4	4.03	13.4	3.88
	7.00	16.2	3.91	16.1	4.07	15.4	4.05	14.9	3.97	14.4	3.92	13.4	3.67
9.00	16.7	3.98	16.1	3.99	15.4	3.94	14.9	3.86	14.4	3.71	13.4	3.61	
11.00	17.2	4.05	16.1	3.94	15.4	3.73	14.9	3.65	14.4	3.64	13.4	3.58	
13.00	17.4	3.97	16.1	3.83	15.4	3.66	14.9	3.61	14.4	3.60	13.4	3.52	
15.00	17.4	3.92	16.1	3.62	15.4	3.63	14.9	3.56	14.4	3.55	13.4	3.39	
90%	10	6.2	3.15	6.2	3.37	6.2	3.50	6.2	3.62	6.2	3.61	6.1	3.67
	12	7.4	3.24	7.4	3.49	7.4	3.56	7.4	3.68	7.4	3.66	7.3	3.73
	14	8.5	3.36	8.5	3.55	8.5	3.61	8.5	3.73	8.5	3.69	8.4	3.82
	15	9.7	3.48	9.7	3.61	9.7	3.64	9.7	3.76	9.7	3.75	9.7	3.86
	18	10.5	3.54	10.5	3.63	10.5	3.70	10.5	3.79	10.5	3.83	10.4	3.92
	20	10.8	3.59	10.8	3.70	10.8	3.78	10.8	3.87	10.8	3.88	10.8	3.96
	21	11.5	3.62	11.5	3.78	11.5	3.83	11.5	3.92	11.5	3.94	11.5	4.03
	23	12.0	3.68	12.0	3.83	12.0	3.88	12.0	3.98	12.0	3.98	11.8	4.10
	25	12.5	3.76	12.5	3.88	12.5	3.92	12.5	4.02	12.5	4.05	11.8	4.02
	27	13.1	3.81	13.1	3.92	13.1	4.00	13.1	4.08	13.1	4.12	11.8	3.97
	29	13.5	3.86	13.5	3.99	13.5	4.07	13.5	4.08	13.1	4.04	11.8	3.86
	31	14.3	3.90	14.3	4.06	13.9	3.98	13.5	4.00	13.1	3.99	11.8	3.65
	33	15.1	3.98	15.1	3.98	13.9	3.93	13.5	3.95	13.1	3.88	11.8	3.59
	35	15.3	4.04	15.1	3.93	13.9	3.82	13.5	3.84	13.1	3.67	11.8	3.56
	37	15.6	3.96	15.1	3.82	13.9	3.62	13.5	3.63	13.1	3.61	11.8	3.50
39	15.6	3.91	15.1	3.61	13.9	3.56	13.5	3.57	13.1	3.58	11.8	3.36	
41	15.6	3.80	15.1	3.55	13.9	3.53	13.5	3.54	13.1	3.51	11.8	3.22	
43	15.6	3.60	15.1	3.52	13.9	3.46	13.5	3.48	13.1	3.38	11.8	3.11	
45	15.6	3.54	15.1	3.46	13.9	3.33	13.5	3.35	13.1	3.24	11.8	3.00	
80%	-19.80	6.2	3.47	6.2	3.54	6.2	3.61	6.2	3.65	6.2	3.71	6.1	3.81
	-18.80	7.4	3.53	7.4	3.60	7.4	3.64	7.4	3.71	7.4	3.80	7.3	3.85
	-16.70	8.5	3.59	8.5	3.62	8.5	3.70	8.5	3.79	8.5	3.84	8.4	3.91
	-14.70	9.7	3.62	9.7	3.69	9.7	3.78	9.7	3.84	9.7	3.90	9.7	3.95
	-12.60	10.5	3.68	10.5	3.77	10.5	3.83	10.5	3.89	10.5	3.94	10.4	4.02
	-10.50	10.8	3.76	10.8	3.82	10.8	3.88	10.8	3.93	10.8	4.01	10.8	4.09
	-9.50	11.5	3.81	11.5	3.87	11.5	3.92	11.5	4.01	11.5	4.08	10.8	4.01
	-8.50	12.0	3.86	12.0	3.91	12.0	4.00	12.0	4.08	11.5	4.00	10.8	3.96
	-7.00	12.5	3.90	12.5	3.98	12.5	4.07	12.0	3.99	11.5	3.95	10.8	3.85
	-5.00	13.1	3.97	13.1	4.05	12.5	3.98	12.0	3.94	11.5	3.84	10.8	3.64
	-3.00	13.5	4.04	13.1	3.97	12.5	3.93	12.0	3.83	11.5	3.63	10.8	3.58
	0.00	14.3	3.96	13.1	3.92	12.5	3.82	12.0	3.63	11.5	3.57	10.8	3.55
	3.00	14.3	3.91	13.1	3.81	12.5	3.62	12.0	3.57	11.5	3.54	10.8	3.49
	5.00	14.3	3.80	13.1	3.60	12.5	3.56	12.0	3.54	11.5	3.48	10.8	3.36
	7.00	14.3	3.60	13.1	3.54	12.5	3.53	12.0	3.47	11.5	3.35	10.8	3.21
9.00	14.3	3.53	13.1	3.52	12.5	3.46	12.0	3.34	11.5	3.20	10.8	3.10	
11.00	14.3	3.51	13.1	3.45	12.5	3.33	12.0	3.20	11.5	3.09	10.8	3.00	
13.00	14.3	3.44	13.1	3.32	12.5	3.19	12.0	3.09	11.5	2.99	10.8	2.91	
15.00	14.3	3.31	13.1	3.18	12.5	3.08	12.0	2.98	11.5	2.90	10.8	2.78	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pd140W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.80	6.1	3.65	6.1	3.78	6.1	3.82	6.1	3.86	6.1	3.87	6.1	3.93
	-18.80	7.1	3.71	7.1	3.83	7.1	3.87	7.1	3.90	7.1	3.94	7.1	4.00
	-16.70	8.2	3.79	8.2	3.88	8.2	3.91	8.2	3.97	8.2	4.01	7.4	3.92
	-14.70	8.4	3.84	8.4	3.92	8.4	3.98	8.4	4.04	8.2	3.93	7.4	3.87
	-12.60	10.0	3.89	10.0	4.00	10.0	4.05	8.4	3.96	8.2	3.88	7.4	3.76
	-10.50	11.4	3.93	11.4	4.07	10.0	3.97	8.4	3.91	8.2	3.77	7.4	3.56
	-9.50	11.4	4.01	11.4	3.98	10.0	3.92	8.4	3.80	8.2	3.57	7.4	3.50
	-8.50	11.9	4.08	11.4	3.93	10.0	3.81	8.4	3.60	8.2	3.51	7.4	3.47
	-7.00	11.9	3.99	11.4	3.82	10.0	3.60	8.4	3.53	8.2	3.48	7.4	3.41
	-5.00	11.9	3.94	11.4	3.62	10.0	3.54	8.4	3.51	8.2	3.41	7.4	3.28
	-3.00	11.9	3.83	11.4	3.56	10.0	3.52	8.4	3.44	8.2	3.29	7.4	3.14
	0.00	11.9	3.63	11.4	3.53	10.0	3.45	8.4	3.31	8.2	3.15	7.4	3.03
	3.00	11.9	3.57	11.4	3.46	10.0	3.32	8.4	3.17	8.2	3.04	7.4	2.93
	5.00	11.9	3.54	11.4	3.33	10.0	3.18	8.4	3.06	8.2	2.93	7.4	2.84
	7.00	11.9	3.47	11.4	3.19	10.0	3.07	8.4	2.96	8.2	2.85	7.4	2.72
9.00	11.9	3.34	11.4	3.08	10.0	2.96	8.4	2.87	8.2	2.73	7.4	2.60	
11.00	11.9	3.20	11.4	2.98	10.0	2.88	8.4	2.75	8.2	2.61	7.4	2.46	
13.00	11.9	3.09	11.4	2.89	10.0	2.75	8.4	2.63	8.2	2.46	7.4	2.56	
15.00	11.9	2.98	11.4	2.76	10.0	2.63	8.4	2.48	8.2	2.56	7.4	2.48	
60%	-19.80	6.1	3.90	6.1	3.86	6.0	3.90	6.0	3.93	5.9	3.84	5.5	3.63
	-18.80	6.9	3.94	6.9	3.93	6.4	3.97	6.4	3.86	5.9	3.76	5.5	3.56
	-16.70	8.1	4.01	8.0	4.00	6.9	3.89	6.4	3.80	5.9	3.71	5.5	3.51
	-14.70	9.3	4.08	9.3	3.92	6.9	3.83	6.4	3.70	5.9	3.61	5.5	3.41
	-12.60	10.4	4.00	9.3	3.87	6.9	3.73	6.4	3.50	5.9	3.42	5.5	3.23
	-10.50	10.4	3.95	9.3	3.76	6.9	3.53	6.4	3.44	5.9	3.36	5.5	3.18
	-9.50	10.4	3.84	9.3	3.56	6.9	3.47	6.4	3.41	5.9	3.33	5.5	3.15
	-8.50	10.4	3.63	9.3	3.50	6.9	3.44	6.4	3.35	5.9	3.27	5.5	3.09
	-7.00	10.4	3.57	9.3	3.47	6.9	3.38	6.4	3.23	5.9	3.15	5.5	2.98
	-5.00	10.4	3.54	9.3	3.41	6.9	3.25	6.4	3.09	5.9	3.01	5.5	2.85
	-3.00	10.4	3.48	9.3	3.28	6.9	3.11	6.4	2.98	5.9	2.91	5.5	2.75
	0.00	10.4	3.35	9.3	3.14	6.9	3.01	6.4	2.88	5.9	2.81	5.5	2.66
	3.00	10.4	3.20	9.3	3.03	6.9	2.90	6.4	2.79	5.9	2.73	5.5	2.58
	5.00	10.4	3.09	9.3	2.93	6.9	2.82	6.4	2.68	5.9	2.61	5.5	2.47
	7.00	10.4	2.99	9.3	2.84	6.9	2.70	6.4	2.56	5.9	2.50	5.5	2.36
9.00	10.4	2.90	9.3	2.72	6.9	2.58	6.4	2.42	5.9	2.36	5.5	2.23	
11.00	10.4	2.78	9.3	2.60	6.9	2.44	6.4	2.51	5.9	2.45	5.5	2.32	
13.00	10.4	2.65	9.3	2.46	6.9	2.53	6.4	2.44	5.9	2.38	5.5	2.25	
15.00	10.4	2.51	9.3	2.56	6.9	2.46	6.4	2.36	5.9	2.30	5.5	2.18	
50%	-19.80	5.9	3.92	5.4	3.81	5.3	3.71	5.1	3.56	5.0	3.44	4.6	3.32
	-18.80	5.9	3.87	5.4	3.77	5.3	3.66	5.1	3.51	5.0	3.39	4.6	3.28
	-16.70	5.9	3.76	5.4	3.66	5.3	3.56	5.1	3.41	5.0	3.30	4.6	3.19
	-14.70	5.9	3.56	5.4	3.47	5.3	3.37	5.1	3.23	5.0	3.12	4.6	3.02
	-12.60	5.9	3.50	5.4	3.41	5.3	3.31	5.1	3.18	5.0	3.07	4.6	2.97
	-10.50	5.9	3.40	5.4	3.31	5.3	3.29	5.1	3.15	5.0	3.05	4.6	2.95
	-9.50	5.9	3.28	5.4	3.17	5.3	3.22	5.1	3.09	5.0	2.99	4.6	2.89
	-8.50	5.9	3.10	5.4	3.09	5.3	3.10	5.1	2.95	5.0	2.87	4.6	2.78
	-7.00	5.9	3.03	5.4	2.95	5.3	2.95	5.1	2.85	5.0	2.75	4.6	2.66
	-5.00	5.9	2.92	5.4	2.85	5.3	2.87	5.1	2.74	5.0	2.66	4.6	2.52
	-3.00	5.9	2.83	5.4	2.74	5.3	2.77	5.1	2.66	5.0	2.54	4.6	2.47
	0.00	5.9	2.72	5.4	2.60	5.3	2.69	5.1	2.57	5.0	2.50	4.6	2.40
	3.00	5.9	2.60	5.4	2.50	5.3	2.52	5.1	2.44	5.0	2.38	4.6	2.26
	5.00	5.9	2.46	5.4	2.36	5.3	2.46	5.1	2.36	5.0	2.28	4.6	2.20
	7.00	5.9	2.27	5.4	2.26	5.3	2.32	5.1	2.23	5.0	2.16	4.6	2.08
9.00	5.9	2.18	5.4	2.09	5.3	2.06	5.1	1.98	5.0	1.91	4.6	1.85	
11.00	5.9	2.07	5.4	1.99	5.3	1.95	5.1	1.85	5.0	1.79	4.6	1.74	
13.00	5.9	2.00	5.4	1.87	5.3	1.94	5.1	1.81	5.0	1.75	4.6	1.69	
15.00	5.9	1.84	5.4	1.79	5.3	1.79	5.1	1.75	5.0	1.68	4.6	1.63	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pd160W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.80	7.1	3.47	7.0	3.66	7.0	4.01	7.0	4.13	7.0	4.14	7.0	4.25
	-18.80	8.5	3.56	8.4	3.80	8.4	4.16	8.4	4.28	8.4	4.29	8.4	4.33
	-16.70	9.7	3.64	9.7	3.90	9.7	4.31	9.7	4.35	9.7	4.36	9.6	4.39
	-14.70	11.1	3.78	11.1	4.05	11.1	4.39	11.1	4.43	11.1	4.43	11.1	4.43
	-12.60	12.0	3.88	12.0	4.19	11.9	4.45	12.0	4.49	12.0	4.46	11.9	4.50
	-10.50	12.3	4.03	12.3	4.27	12.3	4.49	12.3	4.53	12.3	4.54	12.3	4.60
	-9.50	13.2	4.17	13.2	4.33	13.2	4.56	13.2	4.56	13.2	4.64	13.1	4.66
	-8.50	13.7	4.24	13.7	4.36	13.7	4.66	13.7	4.66	13.7	4.70	13.5	4.72
	-7.00	14.2	4.31	14.2	4.44	14.3	4.72	14.2	4.72	14.2	4.76	14.2	4.77
	-5.00	14.9	4.34	14.9	4.53	14.9	4.79	14.9	4.79	14.9	4.81	14.8	4.86
	-3.00	15.4	4.41	15.4	4.59	15.4	4.84	15.4	4.84	15.4	4.90	15.4	4.94
	0.00	16.4	4.51	16.4	4.66	16.4	4.93	16.4	4.92	16.4	4.99	15.4	4.85
	3.00	17.3	4.57	17.3	4.70	17.2	5.01	17.0	4.91	16.5	4.89	15.4	4.78
	5.00	17.9	4.63	17.9	4.79	17.6	4.91	17.0	4.81	16.5	4.82	15.4	4.65
	7.00	18.5	4.68	18.4	4.88	17.6	4.85	17.0	4.75	16.5	4.69	15.4	4.40
9.00	19.1	4.77	18.4	4.78	17.6	4.71	17.0	4.62	16.5	4.44	15.4	4.33	
11.00	19.7	4.85	18.4	4.71	17.6	4.46	17.0	4.37	16.5	4.36	15.4	4.29	
13.00	19.8	4.75	18.4	4.58	17.6	4.39	17.0	4.32	16.5	4.31	15.4	4.21	
15.00	19.8	4.69	18.4	4.34	17.6	4.35	17.0	4.26	16.5	4.25	15.4	4.05	
90%	-19.80	7.1	3.78	7.0	4.04	7.0	4.19	7.0	4.33	7.0	4.32	7.0	4.40
	-18.80	8.5	3.87	8.4	4.18	8.4	4.26	8.4	4.41	8.4	4.39	8.4	4.47
	-16.70	9.7	4.02	9.7	4.25	9.7	4.32	9.7	4.47	9.7	4.42	9.6	4.57
	-14.70	11.1	4.17	11.1	4.32	11.1	4.36	11.1	4.51	11.1	4.49	11.1	4.63
	-12.60	12.0	4.24	12.0	4.35	12.0	4.43	12.0	4.54	12.0	4.59	11.9	4.69
	-10.50	12.3	4.30	12.3	4.42	12.3	4.53	12.3	4.64	12.3	4.65	12.3	4.74
	-9.50	13.2	4.34	13.2	4.52	13.2	4.59	13.2	4.70	13.2	4.72	13.1	4.83
	-8.50	13.7	4.41	13.7	4.58	13.7	4.65	13.7	4.76	13.7	4.77	13.5	4.91
	-7.00	14.2	4.50	14.2	4.64	14.2	4.70	14.2	4.81	14.2	4.85	13.5	4.81
	-5.00	14.9	4.56	14.9	4.69	14.9	4.79	14.9	4.89	14.9	4.94	13.5	4.75
	-3.00	15.4	4.63	15.4	4.78	15.4	4.87	15.4	4.89	14.9	4.84	13.5	4.62
	0.00	16.4	4.67	16.4	4.86	15.9	4.77	15.4	4.79	14.9	4.78	13.5	4.37
	3.00	17.3	4.76	17.3	4.77	15.9	4.71	15.4	4.73	14.9	4.64	13.5	4.30
	5.00	17.4	4.84	17.3	4.70	15.9	4.58	15.4	4.59	14.9	4.39	13.5	4.26
	7.00	17.9	4.75	17.3	4.57	15.9	4.33	15.4	4.35	14.9	4.32	13.5	4.19
9.00	17.9	4.68	17.3	4.33	15.9	4.26	15.4	4.28	14.9	4.29	13.5	4.03	
11.00	17.9	4.55	17.3	4.25	15.9	4.23	15.4	4.24	14.9	4.21	13.5	3.86	
13.00	17.9	4.31	17.3	4.22	15.9	4.15	15.4	4.16	14.9	4.05	13.5	3.72	
15.00	17.9	4.24	17.3	4.14	15.9	3.99	15.4	4.01	14.9	3.88	13.5	3.60	
80%	-19.80	7.1	4.16	7.0	4.24	7.0	4.32	7.0	4.37	7.0	4.45	7.0	4.56
	-18.80	8.5	4.23	8.4	4.31	8.4	4.36	8.4	4.44	8.4	4.55	8.4	4.62
	-16.70	9.7	4.30	9.7	4.34	9.7	4.43	9.7	4.54	9.7	4.60	9.6	4.68
	-14.70	11.1	4.33	11.1	4.41	11.1	4.53	11.1	4.60	11.1	4.67	11.1	4.73
	-12.60	12.0	4.40	12.0	4.51	12.0	4.59	12.0	4.66	12.0	4.72	11.9	4.82
	-10.50	12.3	4.50	12.3	4.57	12.3	4.65	12.3	4.71	12.3	4.80	12.3	4.90
	-9.50	13.2	4.56	13.2	4.63	13.2	4.70	13.2	4.80	13.2	4.89	12.3	4.80
	-8.50	13.7	4.62	13.7	4.68	13.7	4.79	13.7	4.88	13.2	4.79	12.3	4.74
	-7.00	14.2	4.67	14.2	4.77	14.2	4.87	13.7	4.78	13.2	4.73	12.3	4.61
	-5.00	14.9	4.76	14.9	4.85	14.2	4.77	13.7	4.72	13.2	4.59	12.3	4.36
	-3.00	15.4	4.84	14.9	4.75	14.2	4.71	13.7	4.59	13.2	4.35	12.3	4.29
	0.00	16.4	4.74	14.9	4.69	14.2	4.58	13.7	4.34	13.2	4.28	12.3	4.25
	3.00	16.4	4.68	14.9	4.56	14.2	4.33	13.7	4.27	13.2	4.24	12.3	4.18
	5.00	16.4	4.55	14.9	4.32	14.2	4.26	13.7	4.24	13.2	4.16	12.3	4.02
	7.00	16.4	4.31	14.9	4.24	14.2	4.23	13.7	4.16	13.2	4.01	12.3	3.85
9.00	16.4	4.23	14.9	4.21	14.2	4.15	13.7	4.00	13.2	3.84	12.3	3.71	
11.00	16.4	4.20	14.9	4.13	14.2	3.99	13.7	3.83	13.2	3.70	12.3	3.59	
13.00	16.4	4.12	14.9	3.98	14.2	3.82	13.7	3.70	13.2	3.58	12.3	3.48	
15.00	16.4	3.97	14.9	3.81	14.2	3.69	13.7	3.57	13.2	3.47	12.3	3.33	

GMV-Pd160W/NaB-K

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.80	6.9	4.37	6.9	4.53	6.9	4.57	6.9	4.62	6.9	4.63	6.9	4.71
	-18.80	8.2	4.44	8.2	4.59	8.2	4.63	8.1	4.67	8.1	4.72	8.1	4.79
	-16.70	9.4	4.54	9.4	4.65	9.4	4.68	9.3	4.76	9.3	4.80	8.5	4.69
	-14.70	9.6	4.60	9.6	4.70	9.6	4.77	9.6	4.84	9.3	4.70	8.5	4.63
	-12.60	11.5	4.66	11.5	4.79	11.5	4.85	9.6	4.74	9.3	4.64	8.5	4.50
	-10.50	13.0	4.71	13.0	4.87	11.5	4.75	9.6	4.68	9.3	4.51	8.5	4.26
	-9.50	13.1	4.80	13.1	4.77	11.5	4.69	9.6	4.55	9.3	4.27	8.5	4.19
	-8.50	13.6	4.88	13.1	4.71	11.5	4.56	9.6	4.31	9.3	4.20	8.5	4.16
	-7.00	13.6	4.78	13.1	4.58	11.5	4.32	9.6	4.23	9.3	4.17	8.5	4.08
	-5.00	13.6	4.72	13.1	4.33	11.5	4.24	9.6	4.20	9.3	4.09	8.5	3.93
	-3.00	13.6	4.59	13.1	4.26	11.5	4.21	9.6	4.12	9.3	3.94	8.5	3.76
	0.00	13.6	4.34	13.1	4.23	11.5	4.13	9.6	3.97	9.3	3.77	8.5	3.63
	3.00	13.6	4.27	13.1	4.15	11.5	3.98	9.6	3.80	9.3	3.64	8.5	3.50
	5.00	13.6	4.24	13.1	3.99	11.5	3.81	9.6	3.67	9.3	3.51	8.5	3.40
	7.00	13.6	4.16	13.1	3.82	11.5	3.68	9.6	3.54	9.3	3.41	8.5	3.26
9.00	13.6	4.00	13.1	3.69	11.5	3.55	9.6	3.43	9.3	3.26	8.5	3.11	
11.00	13.6	3.83	13.1	3.56	11.5	3.44	9.6	3.29	9.3	3.12	8.5	2.94	
13.00	13.6	3.70	13.1	3.46	11.5	3.30	9.6	3.14	9.3	2.95	8.5	3.06	
15.00	13.6	3.57	13.1	3.31	11.5	3.15	9.6	2.98	9.3	3.07	8.5	2.97	
60%	-19.80	6.9	4.67	6.9	4.62	6.9	4.67	6.9	4.71	6.7	4.60	6.3	4.35
	-18.80	7.9	4.72	7.9	4.71	7.3	4.75	7.3	4.62	6.7	4.51	6.3	4.26
	-16.70	9.2	4.80	9.1	4.79	7.9	4.65	7.3	4.56	6.7	4.45	6.3	4.20
	-14.70	10.7	4.89	10.7	4.69	7.9	4.59	7.3	4.43	6.7	4.32	6.3	4.09
	-12.60	11.9	4.79	10.7	4.63	7.9	4.46	7.3	4.19	6.7	4.09	6.3	3.87
	-10.50	11.9	4.73	10.7	4.50	7.9	4.23	7.3	4.12	6.7	4.02	6.3	3.80
	-9.50	11.9	4.59	10.7	4.26	7.9	4.16	7.3	4.09	6.7	3.99	6.3	3.77
	-8.50	11.9	4.35	10.7	4.19	7.9	4.12	7.3	4.01	6.7	3.92	6.3	3.70
	-7.00	11.9	4.28	10.7	4.16	7.9	4.05	7.3	3.86	6.7	3.77	6.3	3.56
	-5.00	11.9	4.24	10.7	4.08	7.9	3.89	7.3	3.70	6.7	3.61	6.3	3.41
	-3.00	11.9	4.16	10.7	3.93	7.9	3.73	7.3	3.57	6.7	3.49	6.3	3.29
	0.00	11.9	4.01	10.7	3.76	7.9	3.60	7.3	3.45	6.7	3.37	6.3	3.18
	3.00	11.9	3.84	10.7	3.63	7.9	3.48	7.3	3.35	6.7	3.26	6.3	3.09
	5.00	11.9	3.70	10.7	3.50	7.9	3.37	7.3	3.20	6.7	3.13	6.3	2.96
	7.00	11.9	3.58	10.7	3.40	7.9	3.23	7.3	3.06	6.7	2.99	6.3	2.82
9.00	11.9	3.47	10.7	3.26	7.9	3.09	7.3	2.90	6.7	2.83	6.3	2.67	
11.00	11.9	3.32	10.7	3.11	7.9	2.92	7.3	3.01	6.7	2.94	6.3	2.78	
13.00	11.9	3.18	10.7	2.94	7.9	3.04	7.3	2.92	6.7	2.85	6.3	2.69	
15.00	11.9	3.01	10.7	3.06	7.9	2.94	7.3	2.83	6.7	2.76	6.3	2.61	
50%	-19.80	6.8	4.69	6.2	4.57	6.1	4.45	5.8	4.26	5.7	4.12	5.3	3.98
	-18.80	6.8	4.63	6.2	4.51	6.1	4.38	5.8	4.20	5.7	4.06	5.3	3.93
	-16.70	6.8	4.50	6.2	4.38	6.1	4.26	5.8	4.09	5.7	3.95	5.3	3.82
	-14.70	6.8	4.26	6.2	4.15	6.1	4.04	5.8	3.87	5.7	3.74	5.3	3.62
	-12.60	6.8	4.19	6.2	4.08	6.1	3.97	5.8	3.80	5.7	3.68	5.3	3.55
	-10.50	6.8	4.08	6.2	3.97	6.1	3.94	5.8	3.77	5.7	3.65	5.3	3.53
	-9.50	6.8	3.92	6.2	3.79	6.1	3.86	5.8	3.70	5.7	3.58	5.3	3.46
	-8.50	6.8	3.72	6.2	3.70	6.1	3.72	5.8	3.53	5.7	3.44	5.3	3.33
	-7.00	6.8	3.63	6.2	3.53	6.1	3.53	5.8	3.41	5.7	3.29	5.3	3.19
	-5.00	6.8	3.50	6.2	3.41	6.1	3.43	5.8	3.28	5.7	3.18	5.3	3.02
	-3.00	6.8	3.39	6.2	3.28	6.1	3.32	5.8	3.18	5.7	3.04	5.3	2.96
	0.00	6.8	3.26	6.2	3.12	6.1	3.22	5.8	3.08	5.7	2.99	5.3	2.88
	3.00	6.8	3.11	6.2	2.99	6.1	3.02	5.8	2.92	5.7	2.85	5.3	2.71
	5.00	6.8	2.94	6.2	2.82	6.1	2.95	5.8	2.82	5.7	2.73	5.3	2.64
	7.00	6.8	2.72	6.2	2.70	6.1	2.78	5.8	2.67	5.7	2.58	5.3	2.49
9.00	6.8	2.61	6.2	2.51	6.1	2.47	5.8	2.37	5.7	2.29	5.3	2.21	
11.00	6.8	2.48	6.2	2.39	6.1	2.33	5.8	2.21	5.7	2.14	5.3	2.08	
13.00	6.8	2.39	6.2	2.24	6.1	2.32	5.8	2.17	5.7	2.10	5.3	2.03	
15.00	6.8	2.20	6.2	2.15	6.1	2.14	5.8	2.09	5.7	2.02	5.3	1.95	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pdm224W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.80	10.1	3.70	10.1	3.80	10.1	3.86	10.1	3.88	10.1	4.00	10.1	4.10
	-18.80	12.1	3.78	12.1	3.89	12.1	3.95	12.1	3.96	12.1	4.09	12.1	4.22
	-16.70	13.8	3.89	13.8	4.00	13.8	4.06	13.8	4.07	13.8	4.21	13.8	4.33
	-14.70	15.8	4.00	15.8	4.11	15.8	4.17	15.8	4.19	15.8	4.33	15.8	4.42
	-12.60	17.0	4.08	17.0	4.19	17.0	4.26	17.0	4.27	17.0	4.42	17.0	4.60
	-10.50	17.5	4.24	17.5	4.36	17.5	4.43	17.5	4.45	17.5	4.59	17.5	4.72
	-9.50	18.7	4.35	18.7	4.47	18.7	4.54	18.7	4.56	18.7	4.71	18.7	4.89
	-8.50	19.4	4.52	19.4	4.64	19.4	4.71	19.4	4.73	19.4	4.89	19.4	5.07
	-7.00	20.2	4.68	20.2	4.81	20.2	4.88	20.2	4.90	20.2	5.06	20.2	5.16
	-5.00	21.2	4.76	21.2	4.89	21.2	4.97	21.2	4.99	21.2	5.15	21.2	5.24
	-3.00	21.9	4.83	21.9	4.97	21.9	5.04	21.9	5.06	21.9	5.23	21.9	5.28
	0.00	23.3	4.87	23.3	5.01	23.3	5.08	23.3	5.10	23.3	5.27	23.3	5.36
	3.00	24.5	4.95	24.5	5.09	24.5	5.17	24.5	5.19	24.5	5.36	24.5	5.48
	5.00	25.4	5.06	25.4	5.20	25.4	5.28	25.4	5.30	25.4	5.48	25.4	5.55
	7.00	26.3	5.13	26.3	5.27	26.3	5.35	26.3	5.37	26.3	5.55	26.3	5.63
9.00	27.1	5.20	27.1	5.34	27.1	5.42	27.1	5.44	27.1	5.62	27.1	5.69	
11.00	28.2	5.25	27.9	5.40	27.9	5.48	27.9	5.50	27.9	5.68	27.9	5.80	
13.00	29.0	5.35	29.0	5.50	28.9	5.58	28.9	5.60	28.7	5.79	28.3	5.90	
15.00	29.8	5.44	29.8	5.59	29.8	5.68	29.8	5.70	29.0	5.89	28.3	5.78	
120%	-19.80	10.1	3.55	10.1	3.78	10.1	3.84	10.1	3.96	10.1	4.15	10.1	4.44
	-18.80	12.1	3.68	12.1	3.86	12.1	3.93	12.1	4.07	12.1	4.27	12.1	4.62
	-16.70	13.8	3.79	13.8	3.97	13.8	4.04	13.8	4.19	13.8	4.35	13.8	4.74
	-14.70	15.8	3.89	15.8	4.08	15.8	4.16	15.8	4.27	15.8	4.53	15.8	4.92
	-12.60	17.0	3.97	17.0	4.17	17.0	4.24	17.0	4.45	17.0	4.64	17.0	5.10
	-10.50	17.5	4.13	17.5	4.33	17.5	4.41	17.5	4.56	17.5	4.82	17.5	5.19
	-9.50	18.7	4.24	18.7	4.44	18.7	4.52	18.7	4.73	18.7	4.99	18.7	5.26
	-8.50	19.4	4.40	19.4	4.61	19.4	4.69	19.4	4.90	19.4	5.08	19.4	5.30
	-7.00	20.2	4.56	20.2	4.78	20.2	4.86	20.2	4.99	20.2	5.15	20.2	5.39
	-5.00	21.2	4.64	21.2	4.86	21.2	4.95	21.2	5.06	21.2	5.20	21.2	5.51
	-3.00	21.9	4.71	21.9	4.93	21.9	5.02	21.9	5.10	21.9	5.28	21.9	5.58
	0.00	23.3	4.74	23.3	4.97	23.3	5.06	23.3	5.19	23.3	5.40	23.3	5.66
	3.00	24.5	4.82	24.5	5.06	24.5	5.14	24.5	5.30	24.5	5.47	24.5	5.72
	5.00	25.4	4.93	25.4	5.17	25.4	5.26	25.4	5.37	25.4	5.54	25.4	5.83
	7.00	26.3	4.99	26.3	5.23	26.3	5.33	26.3	5.44	26.3	5.60	26.3	5.93
9.00	27.1	5.06	27.1	5.31	27.1	5.40	27.1	5.50	27.1	5.71	26.3	5.81	
11.00	27.9	5.11	27.9	5.36	27.9	5.46	27.9	5.60	27.9	5.80	26.3	5.73	
13.00	29.0	5.21	28.9	5.46	28.8	5.56	28.8	5.70	27.9	5.69	26.3	5.57	
15.00	29.8	5.30	29.8	5.56	29.6	5.65	29.5	5.59	27.9	5.61	26.3	5.27	
110%	-19.80	10.1	3.81	10.1	4.22	10.1	4.32	10.1	4.34	10.1	4.53	10.1	4.77
	-18.80	12.1	3.90	12.1	4.33	12.1	4.40	12.1	4.51	12.1	4.64	12.1	4.94
	-16.70	13.8	4.01	13.8	4.42	13.8	4.58	13.8	4.63	13.8	4.82	13.8	5.03
	-14.70	15.8	4.12	15.8	4.60	15.8	4.70	15.8	4.80	15.8	4.99	15.8	5.10
	-12.60	17.0	4.21	17.0	4.72	17.0	4.87	17.0	4.97	17.0	5.08	17.0	5.14
	-10.50	17.5	4.37	17.5	4.89	17.5	5.05	17.5	5.06	17.5	5.15	17.5	5.23
	-9.50	18.7	4.49	18.7	5.07	18.7	5.14	18.7	5.13	18.7	5.20	18.7	5.34
	-8.50	19.4	4.65	19.4	5.16	19.4	5.22	19.4	5.18	19.4	5.28	19.4	5.41
	-7.00	20.2	4.82	20.2	5.24	20.2	5.26	20.2	5.26	20.2	5.40	20.2	5.49
	-5.00	21.2	4.91	21.2	5.28	21.2	5.34	21.2	5.38	21.2	5.47	21.2	5.54
	-3.00	21.9	4.98	21.9	5.36	21.9	5.46	21.9	5.45	21.9	5.54	21.9	5.65
	0.00	23.3	5.02	23.3	5.48	23.3	5.53	23.3	5.52	23.3	5.60	23.3	5.74
	3.00	24.5	5.10	24.5	5.55	24.5	5.61	24.5	5.58	24.5	5.71	24.5	5.63
	5.00	25.4	5.22	25.4	5.63	25.4	5.67	25.4	5.68	25.4	5.80	24.5	5.55
	7.00	26.3	5.28	26.3	5.69	26.3	5.77	26.3	5.78	25.4	5.69	24.5	5.40
9.00	27.1	5.36	27.1	5.80	27.1	5.87	26.3	5.67	25.4	5.61	24.5	5.11	
11.00	28.2	5.41	27.9	5.90	27.1	5.76	26.3	5.59	25.4	5.46	24.5	5.03	
13.00	29.0	5.51	28.9	5.78	27.1	5.68	26.3	5.44	25.4	5.17	24.5	4.99	
15.00	29.4	5.61	29.2	5.70	27.1	5.52	26.3	5.15	25.4	5.08	24.5	4.89	

GMV-Pdm224W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.80	10.1	4.16	10.0	4.39	10.0	4.81	10.0	4.95	10.0	4.97	9.9	5.10
	-18.80	12.1	4.28	12.0	4.56	12.0	4.99	12.0	5.14	12.0	5.15	11.9	5.19
	-16.70	13.8	4.36	13.8	4.68	13.7	5.17	13.8	5.22	13.8	5.24	13.7	5.27
	-14.70	15.8	4.54	15.8	4.86	15.7	5.26	15.8	5.31	15.8	5.32	15.7	5.31
	-12.60	17.0	4.66	17.0	5.03	16.9	5.34	17.0	5.39	17.0	5.36	16.9	5.40
	-10.50	17.5	4.83	17.5	5.12	17.5	5.38	17.5	5.43	17.5	5.45	17.5	5.52
	-9.50	18.7	5.01	18.7	5.19	18.7	5.48	18.7	5.47	18.7	5.57	18.7	5.59
	-8.50	19.4	5.09	19.4	5.24	19.5	5.60	19.4	5.59	19.4	5.64	19.1	5.67
	-7.00	20.2	5.17	20.2	5.32	20.2	5.67	20.2	5.66	20.2	5.72	20.2	5.73
	-5.00	21.2	5.21	21.2	5.44	21.2	5.75	21.2	5.74	21.2	5.78	21.0	5.83
	-3.00	21.9	5.30	21.9	5.51	21.9	5.81	21.9	5.80	21.9	5.88	21.8	5.93
	0.00	23.3	5.41	23.3	5.59	23.2	5.91	23.3	5.90	23.3	5.99	21.8	5.81
	3.00	24.5	5.48	24.5	5.65	24.5	6.02	24.2	5.90	23.4	5.87	21.8	5.74
	5.00	25.4	5.56	25.4	5.75	25.0	5.90	24.2	5.78	23.4	5.79	21.8	5.58
	7.00	26.3	5.62	26.2	5.85	25.0	5.82	24.2	5.70	23.4	5.63	21.8	5.28
	9.00	27.1	5.72	26.2	5.73	25.0	5.66	24.2	5.54	23.4	5.33	21.8	5.19
11.00	27.9	5.82	26.2	5.66	25.0	5.35	24.2	5.25	23.4	5.24	21.8	5.15	
13.00	28.2	5.70	26.2	5.50	25.0	5.26	24.2	5.18	23.4	5.17	21.8	5.06	
15.00	28.2	5.63	26.2	5.21	25.0	5.22	24.2	5.12	23.4	5.10	21.8	4.87	
90%	-19.80	10.1	4.53	10.0	4.84	10.0	5.02	10.0	5.20	10.0	5.19	9.9	5.28
	-18.80	12.1	4.65	12.0	5.02	12.0	5.11	12.0	5.29	12.0	5.26	11.9	5.36
	-16.70	13.8	4.82	13.8	5.11	13.7	5.19	13.7	5.36	13.8	5.30	13.7	5.48
	-14.70	15.8	5.00	15.8	5.18	15.7	5.23	15.7	5.41	15.8	5.39	15.7	5.55
	-12.60	17.0	5.09	17.0	5.22	17.0	5.32	17.0	5.44	17.0	5.51	16.9	5.63
	-10.50	17.5	5.16	17.5	5.31	17.5	5.43	17.5	5.56	17.5	5.58	17.5	5.69
	-9.50	18.7	5.20	18.7	5.43	18.7	5.50	18.7	5.64	18.7	5.66	18.7	5.80
	-8.50	19.4	5.29	19.4	5.50	19.5	5.58	19.5	5.71	19.4	5.72	19.1	5.90
	-7.00	20.2	5.41	20.2	5.57	20.2	5.64	20.2	5.77	20.2	5.83	19.1	5.78
	-5.00	21.2	5.48	21.2	5.63	21.2	5.74	21.2	5.87	21.2	5.93	19.1	5.70
	-3.00	21.9	5.55	21.9	5.74	21.9	5.84	21.9	5.87	21.2	5.81	19.1	5.54
	0.00	23.3	5.61	23.3	5.84	22.5	5.73	21.9	5.75	21.2	5.73	19.1	5.25
	3.00	24.5	5.71	24.5	5.72	22.5	5.65	21.9	5.67	21.2	5.57	19.1	5.16
	5.00	24.8	5.81	24.5	5.64	22.5	5.49	21.9	5.51	21.2	5.27	19.1	5.12
	7.00	25.4	5.70	24.5	5.48	22.5	5.20	21.9	5.22	21.2	5.19	19.1	5.02
	9.00	25.4	5.62	24.5	5.19	22.5	5.11	21.9	5.13	21.2	5.14	19.1	4.83
11.00	25.4	5.46	24.5	5.11	22.5	5.07	21.9	5.09	21.2	5.05	19.1	4.63	
13.00	25.4	5.17	24.5	5.06	22.5	4.98	21.9	5.00	21.2	4.86	19.1	4.47	
15.00	25.4	5.09	24.5	4.97	22.5	4.79	21.9	4.81	21.2	4.65	19.1	4.32	
80%	-19.80	10.1	4.99	10.0	5.09	10.0	5.19	10.0	5.24	10.0	5.34	9.9	5.47
	-18.80	12.1	5.08	12.0	5.17	12.0	5.23	12.0	5.33	12.0	5.45	11.9	5.54
	-16.70	13.8	5.15	13.8	5.21	13.7	5.32	13.7	5.45	13.8	5.53	13.7	5.62
	-14.70	15.8	5.20	15.8	5.30	15.7	5.43	15.7	5.52	15.8	5.60	15.7	5.67
	-12.60	17.0	5.28	17.0	5.41	17.0	5.50	17.0	5.59	17.0	5.66	16.9	5.78
	-10.50	17.5	5.40	17.5	5.48	17.5	5.58	17.5	5.65	17.5	5.77	17.5	5.88
	-9.50	18.7	5.47	18.7	5.56	18.7	5.64	18.7	5.76	18.7	5.87	17.5	5.76
	-8.50	19.4	5.54	19.4	5.62	19.5	5.74	19.5	5.86	18.7	5.75	17.5	5.69
	-7.00	20.2	5.60	20.2	5.72	20.2	5.84	19.5	5.74	18.7	5.67	17.5	5.53
	-5.00	21.2	5.71	21.2	5.82	20.2	5.73	19.5	5.66	18.7	5.51	17.5	5.23
	-3.00	21.9	5.80	21.2	5.70	20.2	5.65	19.5	5.51	18.7	5.22	17.5	5.15
	0.00	23.3	5.69	21.2	5.63	20.2	5.49	19.5	5.21	18.7	5.13	17.5	5.10
	3.00	23.3	5.61	21.2	5.47	20.2	5.20	19.5	5.13	18.7	5.09	17.5	5.01
	5.00	23.3	5.46	21.2	5.18	20.2	5.11	19.5	5.08	18.7	5.00	17.5	4.82
	7.00	23.3	5.17	21.2	5.09	20.2	5.07	19.5	4.99	18.7	4.81	17.5	4.62
	9.00	23.3	5.08	21.2	5.05	20.2	4.98	19.5	4.80	18.7	4.60	17.5	4.46
11.00	23.3	5.04	21.2	4.96	20.2	4.79	19.5	4.60	18.7	4.45	17.5	4.30	
13.00	23.3	4.95	21.2	4.77	20.2	4.59	19.5	4.44	18.7	4.29	17.5	4.18	
15.00	23.3	4.76	21.2	4.57	20.2	4.43	19.5	4.29	18.7	4.16	17.5	4.00	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pdm224W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.80	9.8	5.24	9.8	5.43	9.8	5.48	9.8	5.54	9.8	5.56	9.8	5.65
	-18.80	11.6	5.33	11.6	5.50	11.6	5.56	11.5	5.60	11.5	5.66	11.5	5.74
	-16.70	13.3	5.45	13.3	5.58	13.3	5.62	13.3	5.71	13.3	5.76	12.1	5.63
	-14.70	13.6	5.52	13.6	5.64	13.6	5.72	13.6	5.80	13.3	5.64	12.1	5.55
	-12.60	16.3	5.59	16.3	5.74	16.3	5.82	13.6	5.69	13.3	5.57	12.1	5.40
	-10.50	18.5	5.65	18.5	5.84	16.3	5.70	13.6	5.61	13.3	5.41	12.1	5.11
	-9.50	18.6	5.76	18.6	5.73	16.3	5.63	13.6	5.46	13.3	5.13	12.1	5.03
	-8.50	19.4	5.86	18.6	5.65	16.3	5.47	13.6	5.17	13.3	5.04	12.1	4.99
	-7.00	19.4	5.74	18.6	5.49	16.3	5.18	13.6	5.08	13.3	5.00	12.1	4.89
	-5.00	19.4	5.66	18.6	5.20	16.3	5.09	13.6	5.04	13.3	4.91	12.1	4.71
	-3.00	19.4	5.51	18.6	5.11	16.3	5.05	13.6	4.95	13.3	4.72	12.1	4.51
	0.00	19.4	5.21	18.6	5.07	16.3	4.96	13.6	4.76	13.3	4.52	12.1	4.35
	3.00	19.4	5.13	18.6	4.98	16.3	4.77	13.6	4.56	13.3	4.37	12.1	4.20
	5.00	19.4	5.08	18.6	4.79	16.3	4.57	13.6	4.40	13.3	4.22	12.1	4.08
	7.00	19.4	4.99	18.6	4.59	16.3	4.41	13.6	4.25	13.3	4.09	12.1	3.91
9.00	19.4	4.80	18.6	4.43	16.3	4.26	13.6	4.12	13.3	3.92	12.1	3.73	
11.00	19.4	4.60	18.6	4.28	16.3	4.13	13.6	3.95	13.3	3.74	12.1	3.53	
13.00	19.4	4.44	18.6	4.15	16.3	3.96	13.6	3.77	13.3	3.54	12.1	3.67	
15.00	19.4	4.29	18.6	3.97	16.3	3.78	13.6	3.57	13.3	3.68	12.1	3.56	
60%	-19.80	9.8	5.60	9.8	5.54	9.8	5.60	9.8	5.65	9.5	5.52	8.9	5.22
	-18.80	11.3	5.66	11.3	5.65	10.4	5.70	10.3	5.54	9.5	5.41	8.9	5.11
	-16.70	13.1	5.77	12.9	5.74	11.3	5.59	10.3	5.47	9.5	5.34	8.9	5.04
	-14.70	15.2	5.87	15.2	5.63	11.3	5.51	10.3	5.31	9.5	5.19	8.9	4.90
	-12.60	16.9	5.75	15.2	5.55	11.3	5.36	10.3	5.03	9.5	4.91	8.9	4.64
	-10.50	16.9	5.67	15.2	5.40	11.3	5.07	10.3	4.95	9.5	4.83	8.9	4.56
	-9.50	16.9	5.51	15.2	5.11	11.3	4.99	10.3	4.91	9.5	4.79	8.9	4.53
	-8.50	16.9	5.22	15.2	5.03	11.3	4.95	10.3	4.82	9.5	4.70	8.9	4.44
	-7.00	16.9	5.13	15.2	4.99	11.3	4.86	10.3	4.64	9.5	4.52	8.9	4.28
	-5.00	16.9	5.09	15.2	4.89	11.3	4.67	10.3	4.44	9.5	4.33	8.9	4.09
	-3.00	16.9	5.00	15.2	4.71	11.3	4.47	10.3	4.29	9.5	4.18	8.9	3.95
	0.00	16.9	4.81	15.2	4.51	11.3	4.32	10.3	4.14	9.5	4.04	8.9	3.82
	3.00	16.9	4.60	15.2	4.35	11.3	4.17	10.3	4.01	9.5	3.92	8.9	3.70
	5.00	16.9	4.45	15.2	4.20	11.3	4.05	10.3	3.84	9.5	3.75	8.9	3.55
	7.00	16.9	4.29	15.2	4.08	11.3	3.88	10.3	3.67	9.5	3.59	8.9	3.39
9.00	16.9	4.16	15.2	3.91	11.3	3.70	10.3	3.48	9.5	3.39	8.9	3.21	
11.00	16.9	3.99	15.2	3.73	11.3	3.50	10.3	3.61	9.5	3.53	8.9	3.33	
13.00	16.9	3.81	15.2	3.53	11.3	3.64	10.3	3.51	9.5	3.42	8.9	3.23	
15.00	16.9	3.61	15.2	3.67	11.3	3.53	10.3	3.39	9.5	3.31	8.9	3.13	
50%	-19.80	9.6	5.63	8.8	5.48	8.7	5.34	8.3	5.11	8.1	4.94	7.5	4.78
	-18.80	9.6	5.56	8.8	5.41	8.7	5.26	8.3	5.04	8.1	4.88	7.5	4.72
	-16.70	9.6	5.40	8.8	5.26	8.7	5.12	8.3	4.91	8.1	4.74	7.5	4.58
	-14.70	9.6	5.11	8.8	4.98	8.7	4.84	8.3	4.64	8.1	4.49	7.5	4.34
	-12.60	9.6	5.03	8.8	4.90	8.7	4.76	8.3	4.57	8.1	4.41	7.5	4.26
	-10.50	9.6	4.89	8.8	4.76	8.7	4.72	8.3	4.53	8.1	4.38	7.5	4.23
	-9.50	9.6	4.71	8.8	4.55	8.7	4.63	8.3	4.44	8.1	4.29	7.5	4.15
	-8.50	9.6	4.46	8.8	4.44	8.7	4.46	8.3	4.23	8.1	4.13	7.5	3.99
	-7.00	9.6	4.35	8.8	4.23	8.7	4.23	8.3	4.09	8.1	3.95	7.5	3.82
	-5.00	9.6	4.20	8.8	4.10	8.7	4.12	8.3	3.94	8.1	3.82	7.5	3.63
	-3.00	9.6	4.07	8.8	3.94	8.7	3.98	8.3	3.82	8.1	3.64	7.5	3.55
	0.00	9.6	3.91	8.8	3.74	8.7	3.86	8.3	3.70	8.1	3.59	7.5	3.45
	3.00	9.6	3.73	8.8	3.59	8.7	3.63	8.3	3.50	8.1	3.42	7.5	3.25
	5.00	9.6	3.53	8.8	3.39	8.7	3.54	8.3	3.39	8.1	3.27	7.5	3.17
	7.00	9.6	3.27	8.8	3.24	8.7	3.34	8.3	3.20	8.1	3.10	7.5	2.99
9.00	9.6	3.14	8.8	3.01	8.7	2.96	8.3	2.84	8.1	2.74	7.5	2.65	
11.00	9.6	2.98	8.8	2.86	8.7	2.80	8.3	2.65	8.1	2.57	7.5	2.49	
13.00	9.6	2.87	8.8	2.69	8.7	2.78	8.3	2.61	8.1	2.52	7.5	2.43	
15.00	9.6	2.65	8.8	2.58	8.7	2.57	8.3	2.51	8.1	2.42	7.5	2.34	

GMV-Pdm280W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.80	12.7	4.9	12.7	5.03	12.7	5.11	12.7	5.13	12.7	5.3	12.7	5.42
	-18.80	15.2	5	15.2	5.14	15.2	5.22	15.2	5.24	15.2	5.41	15.2	5.58
	-16.70	17.3	5.15	17.3	5.29	17.3	5.37	17.3	5.39	17.3	5.57	17.3	5.73
	-14.70	19.9	5.29	19.9	5.44	19.9	5.52	19.9	5.54	19.9	5.73	19.9	5.85
	-12.60	21.4	5.4	21.4	5.55	21.4	5.63	21.4	5.66	21.4	5.84	21.4	6.08
	-10.50	22.1	5.62	22.1	5.77	22.1	5.86	22.1	5.88	22.1	6.08	22.1	6.24
	-9.50	23.6	5.76	23.6	5.92	23.6	6.01	23.6	6.03	23.6	6.23	23.6	6.47
	-8.50	24.5	5.98	24.5	6.14	24.5	6.23	24.5	6.26	24.5	6.47	24.5	6.71
	-7.00	25.5	6.19	25.5	6.36	25.5	6.46	25.5	6.48	25.5	6.70	25.5	6.83
	-5.00	26.7	6.30	26.7	6.48	26.7	6.57	26.7	6.60	26.7	6.82	26.7	6.93
	-3.00	27.6	6.39	27.6	6.57	27.6	6.67	27.6	6.70	27.6	6.92	27.6	6.98
	0.00	29.3	6.44	29.3	6.62	29.3	6.72	29.3	6.75	29.3	6.97	29.3	7.10
	3.00	30.9	6.55	30.9	6.73	30.9	6.83	30.9	6.86	30.9	7.09	30.9	7.25
	5.00	32.0	6.70	32.0	6.88	32.0	6.98	32.0	7.01	32.0	7.24	32.0	7.35
	7.00	33.10	6.78	33.10	6.97	33.10	7.07	33.10	7.10	33.10	7.34	33.10	7.45
9.00	34.10	6.88	34.10	7.07	34.10	7.17	34.10	7.20	34.10	7.44	34.10	7.53	
11.00	35.50	6.95	35.20	7.14	35.10	7.25	35.10	7.28	35.10	7.52	35.10	7.67	
13.00	36.50	7.08	36.50	7.27	36.40	7.38	36.40	7.41	36.10	7.66	35.70	7.80	
15.00	37.60	7.20	37.50	7.40	37.50	7.51	37.50	7.54	36.50	7.79	35.70	7.64	
120%	-19.80	12.7	4.7	12.7	5	12.7	5.09	12.7	5.24	12.7	5.49	12.7	5.88
	-18.80	15.2	4.87	15.2	5.11	15.2	5.2	15.2	5.39	15.2	5.64	15.2	6.12
	-16.70	17.3	5.01	17.3	5.26	17.3	5.35	17.3	5.54	17.3	5.76	17.3	6.27
	-14.70	19.9	5.15	19.9	5.4	19.9	5.5	19.9	5.66	19.9	5.99	19.9	6.51
	-12.60	21.4	5.26	21.4	5.51	21.4	5.61	21.4	5.88	21.4	6.14	21.4	6.74
	-10.50	22.1	5.47	22.1	5.73	22.1	5.83	22.1	6.03	22.1	6.37	22.1	6.86
	-9.50	23.6	5.61	23.6	5.88	23.6	5.98	23.6	6.26	23.6	6.60	23.6	6.96
	-8.50	24.5	5.82	24.5	6.10	24.5	6.21	24.5	6.48	24.5	6.72	24.5	7.02
	-7.00	25.5	6.03	25.5	6.32	25.5	6.43	25.5	6.60	25.5	6.82	25.5	7.13
	-5.00	26.7	6.13	26.7	6.43	26.7	6.55	26.7	6.70	26.7	6.87	26.7	7.29
	-3.00	27.6	6.22	27.6	6.53	27.6	6.64	27.6	6.75	27.6	6.99	27.6	7.39
	0.00	29.3	6.27	29.3	6.58	29.3	6.69	29.3	6.86	29.3	7.14	29.3	7.49
	3.00	30.9	6.38	30.9	6.69	30.9	6.81	30.9	7.01	30.9	7.23	30.9	7.57
	5.00	32.0	6.52	32.0	6.84	32.0	6.96	32.0	7.10	32.0	7.33	32.0	7.71
	7.00	33.10	6.60	33.10	6.92	33.10	7.05	33.10	7.20	33.10	7.41	33.10	7.84
9.00	34.10	6.69	34.10	7.02	34.10	7.14	34.10	7.28	34.10	7.55	33.10	7.68	
11.00	35.10	6.76	35.10	7.09	35.10	7.22	35.10	7.41	35.10	7.68	33.10	7.58	
13.00	36.50	6.89	36.40	7.23	36.30	7.35	36.30	7.54	35.10	7.53	33.10	7.37	
15.00	37.60	7.01	37.50	7.35	37.30	7.48	37.20	7.39	35.10	7.43	33.10	6.98	
110%	-19.80	12.7	5.05	12.7	5.58	12.7	5.71	12.7	5.74	12.7	5.99	12.7	6.31
	-18.80	15.2	5.16	15.2	5.73	15.2	5.83	15.2	5.97	15.2	6.14	15.2	6.54
	-16.70	17.3	5.31	17.3	5.85	17.3	6.06	17.3	6.12	17.3	6.37	17.3	6.65
	-14.70	19.9	5.45	19.9	6.08	19.9	6.22	19.9	6.35	19.9	6.60	19.9	6.75
	-12.60	21.4	5.57	21.4	6.24	21.4	6.45	21.4	6.58	21.4	6.72	21.4	6.80
	-10.50	22.1	5.79	22.1	6.47	22.1	6.68	22.1	6.69	22.1	6.82	22.1	6.92
	-9.50	23.6	5.94	23.6	6.71	23.6	6.80	23.6	6.79	23.6	6.87	23.6	7.07
	-8.50	24.5	6.16	24.5	6.83	24.5	6.90	24.5	6.85	24.5	6.99	24.5	7.16
	-7.00	25.5	6.38	25.5	6.93	25.5	6.95	25.5	6.96	25.5	7.14	25.5	7.26
	-5.00	26.7	6.49	26.7	6.98	26.7	7.07	26.7	7.11	26.7	7.23	26.7	7.33
	-3.00	27.6	6.59	27.6	7.10	27.6	7.23	27.6	7.21	27.6	7.33	27.6	7.47
	0.00	29.3	6.64	29.3	7.25	29.3	7.32	29.3	7.31	29.3	7.41	29.3	7.60
	3.00	30.9	6.75	30.9	7.35	30.9	7.42	30.9	7.38	30.9	7.55	30.9	7.45
	5.00	32.0	6.90	32.0	7.45	32.0	7.50	32.0	7.52	32.0	7.68	30.9	7.35
	7.00	33.10	6.99	33.10	7.53	33.10	7.64	33.10	7.65	32.0	7.53	30.9	7.14
9.00	34.10	7.09	34.10	7.67	34.10	7.77	33.10	7.50	32.0	7.43	30.9	6.76	
11.00	35.50	7.16	35.20	7.80	34.10	7.61	33.10	7.40	32.0	7.22	30.9	6.65	
13.00	36.50	7.29	36.40	7.64	34.10	7.51	33.10	7.19	32.0	6.84	30.9	6.60	
15.00	37.10	7.42	36.80	7.54	34.10	7.30	33.10	6.81	32.0	6.72	30.9	6.48	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pdm280W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.80	12.7	5.51	12.6	5.81	12.6	6.37	12.6	6.55	12.6	6.57	12.5	6.75
	-18.80	15.2	5.66	15.1	6.04	15.1	6.61	15.1	6.80	15.1	6.81	15.0	6.87
	-16.70	17.3	5.78	17.3	6.19	17.3	6.85	17.3	6.91	17.3	6.93	17.2	6.97
	-14.70	19.9	6.01	19.9	6.42	19.8	6.97	19.9	7.03	19.9	7.03	19.8	7.03
	-12.60	21.4	6.16	21.4	6.66	21.4	7.07	21.4	7.13	21.4	7.09	21.3	7.14
	-10.50	22.1	6.39	22.1	6.77	22.1	7.12	22.1	7.19	22.1	7.21	22.0	7.30
	-9.50	23.6	6.62	23.6	6.87	23.6	7.24	23.6	7.24	23.6	7.37	23.5	7.39
	-8.50	24.5	6.74	24.5	6.93	24.6	7.40	24.5	7.40	24.5	7.46	24.1	7.50
	-7.00	25.5	6.84	25.5	7.04	25.5	7.50	25.5	7.49	25.5	7.56	25.4	7.58
	-5.00	26.7	6.89	26.7	7.20	26.7	7.60	26.7	7.60	26.7	7.64	26.5	7.72
	-3.00	27.6	7.01	27.6	7.29	27.6	7.68	27.6	7.68	27.6	7.79	27.5	7.85
	0.00	29.3	7.16	29.3	7.39	29.3	7.82	29.3	7.81	29.3	7.92	27.5	7.69
	3.00	30.9	7.25	30.9	7.47	30.9	7.96	30.50	7.80	29.5	7.76	27.5	7.59
	5.00	32.0	7.35	32.0	7.61	31.5	7.80	30.50	7.64	29.5	7.66	27.5	7.38
	7.00	33.10	7.43	33.0	7.74	31.5	7.70	30.50	7.54	29.5	7.44	27.5	6.99
9.00	34.10	7.57	33.0	7.59	31.5	7.48	30.50	7.33	29.5	7.05	27.5	6.87	
11.00	35.20	7.70	33.0	7.48	31.5	7.08	30.50	6.94	29.5	6.93	27.5	6.81	
13.00	35.50	7.55	33.0	7.28	31.5	6.97	30.50	6.86	29.5	6.83	27.5	6.69	
15.00	35.50	7.45	33.0	6.89	31.5	6.91	30.50	6.77	29.5	6.75	27.5	6.44	
90%	-19.80	12.7	6.00	12.6	6.41	12.6	6.65	12.6	6.87	12.6	6.86	12.5	6.98
	-18.80	15.2	6.15	15.1	6.64	15.1	6.76	15.1	6.99	15.1	6.96	15.0	7.10
	-16.70	17.3	6.38	17.3	6.76	17.3	6.86	17.3	7.10	17.3	7.02	17.2	7.25
	-14.70	19.9	6.61	19.9	6.86	19.8	6.92	19.8	7.15	19.9	7.13	19.8	7.35
	-12.60	21.4	6.73	21.4	6.91	21.4	7.03	21.4	7.20	21.4	7.29	21.3	7.45
	-10.50	22.1	6.83	22.1	7.03	22.1	7.19	22.1	7.36	22.1	7.39	22.0	7.53
	-9.50	23.6	6.88	23.6	7.18	23.6	7.28	23.6	7.46	23.6	7.49	23.5	7.67
	-8.50	24.5	7.00	24.5	7.27	24.6	7.38	24.6	7.56	24.5	7.57	24.1	7.80
	-7.00	25.5	7.15	25.5	7.37	25.5	7.46	25.5	7.64	25.5	7.71	24.1	7.64
	-5.00	26.7	7.24	26.7	7.45	26.7	7.60	26.7	7.77	26.7	7.84	24.1	7.54
	-3.00	27.6	7.34	27.6	7.59	27.6	7.73	27.6	7.76	26.7	7.68	24.1	7.33
	0.00	29.3	7.42	29.3	7.72	28.4	7.58	27.6	7.60	26.7	7.58	24.1	6.94
	3.00	30.9	7.56	30.9	7.57	28.4	7.47	27.6	7.50	26.7	7.37	24.1	6.83
	5.00	31.2	7.69	30.9	7.47	28.4	7.27	27.6	7.29	26.7	6.98	24.1	6.77
	7.00	32.0	7.54	30.9	7.26	28.4	6.88	27.6	6.91	26.7	6.86	24.1	6.65
9.00	32.0	7.44	30.9	6.87	28.4	6.76	27.6	6.79	26.7	6.81	24.1	6.4	
11.00	32.0	7.23	30.9	6.76	28.4	6.71	27.6	6.74	26.7	6.68	24.1	6.12	
13.00	32.0	6.84	30.9	6.70	28.4	6.59	27.6	6.61	26.7	6.43	24.1	5.91	
15.00	32.0	6.73	30.9	6.58	28.4	6.34	27.6	6.36	26.7	6.15	24.1	5.71	
80%	-19.80	12.7	6.60	12.6	6.74	12.6	6.86	12.6	6.94	12.6	7.06	12.5	7.24
	-18.80	15.2	6.72	15.1	6.84	15.1	6.92	15.1	7.05	15.1	7.22	15.0	7.33
	-16.70	17.3	6.82	17.3	6.89	17.3	7.03	17.3	7.21	17.3	7.31	17.2	7.43
	-14.70	19.9	6.87	19.9	7.01	19.8	7.19	19.8	7.30	19.9	7.41	19.8	7.51
	-12.60	21.4	6.99	21.4	7.16	21.4	7.28	21.4	7.40	21.4	7.49	21.3	7.65
	-10.50	22.1	7.14	22.1	7.25	22.1	7.38	22.1	7.48	22.1	7.63	22.0	7.78
	-9.50	23.6	7.23	23.6	7.35	23.6	7.46	23.6	7.62	23.6	7.76	22.0	7.62
	-8.50	24.5	7.33	24.5	7.43	24.6	7.60	24.6	7.75	23.6	7.60	22.0	7.52
	-7.00	25.5	7.41	25.5	7.57	25.5	7.73	24.6	7.60	23.6	7.50	22.0	7.31
	-5.00	26.7	7.55	26.7	7.70	25.5	7.58	24.6	7.49	23.6	7.29	22.0	6.92
	-3.00	27.6	7.68	26.7	7.55	25.5	7.47	24.6	7.29	23.6	6.91	22.0	6.81
	0.00	29.3	7.53	26.7	7.45	25.5	7.27	24.6	6.90	23.6	6.79	22.0	6.75
	3.00	29.3	7.43	26.7	7.24	25.5	6.88	24.6	6.78	23.6	6.74	22.0	6.63
	5.00	29.3	7.22	26.7	6.85	25.5	6.76	24.6	6.73	23.6	6.61	22.0	6.38
	7.00	29.3	6.84	26.7	6.74	25.5	6.71	24.6	6.6	23.6	6.36	22.0	6.11
9.00	29.3	6.72	26.7	6.68	25.5	6.59	24.6	6.36	23.6	6.09	22.0	5.9	
11.00	29.3	6.67	26.7	6.56	25.5	6.34	24.6	6.08	23.6	5.88	22.0	5.69	
13.00	29.3	6.54	26.7	6.31	25.5	6.07	24.6	5.87	23.6	5.68	22.0	5.52	
15.00	29.3	6.3	26.7	6.04	25.5	5.86	24.6	5.67	23.6	5.51	22.0	5.29	

GMV-Pdm280W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.80	12.4	6.94	12.4	7.19	12.4	7.25	12.4	7.33	12.4	7.35	12.4	7.47
	-18.80	14.6	7.05	14.6	7.28	14.6	7.35	14.5	7.41	14.5	7.49	14.5	7.60
	-16.70	16.8	7.21	16.8	7.38	16.8	7.43	16.7	7.55	16.7	7.62	15.2	7.45
	-14.70	17.1	7.30	17.1	7.46	17.1	7.57	17.1	7.68	16.7	7.47	15.2	7.35
	-12.60	20.5	7.40	20.5	7.60	20.5	7.70	17.1	7.53	16.7	7.37	15.2	7.14
	-10.50	23.3	7.48	23.3	7.73	20.5	7.55	17.1	7.43	16.7	7.16	15.2	6.76
	-9.50	23.4	7.62	23.4	7.58	20.5	7.45	17.1	7.22	16.7	6.78	15.2	6.65
	-8.50	24.4	7.75	23.4	7.47	20.5	7.24	17.1	6.84	16.7	6.67	15.2	6.60
	-7.00	24.4	7.60	23.4	7.27	20.5	6.85	17.1	6.72	16.7	6.61	15.2	6.48
	-5.00	24.4	7.49	23.4	6.88	20.5	6.74	17.1	6.67	16.7	6.49	15.2	6.23
	-3.00	24.4	7.29	23.4	6.76	20.5	6.68	17.1	6.54	16.7	6.25	15.2	5.97
	0.00	24.4	6.90	23.4	6.71	20.5	6.56	17.1	6.3	16.7	5.98	15.2	5.76
	3.00	24.4	6.78	23.4	6.59	20.5	6.31	17.1	6.03	16.7	5.78	15.2	5.56
	5.00	24.4	6.73	23.4	6.34	20.5	6.04	17.1	5.82	16.7	5.58	15.2	5.4
	7.00	24.4	6.6	23.4	6.07	20.5	5.84	17.1	5.62	16.7	5.41	15.2	5.17
	9.00	24.4	6.36	23.4	5.86	20.5	5.64	17.1	5.45	16.7	5.18	15.2	4.94
	11.00	24.4	6.08	23.4	5.66	20.5	5.47	17.1	5.22	16.7	4.95	15.2	4.67
13.00	24.4	5.87	23.4	5.49	20.5	5.24	17.1	4.99	16.7	4.69	15.2	4.86	
15.00	24.4	5.67	23.4	5.26	20.5	5.01	17.1	4.72	16.7	4.87	15.2	4.71	
60%	-19.80	12.4	7.41	12.4	7.33	12.3	7.41	12.3	7.48	12	7.30	11.2	6.90
	-18.80	14.2	7.49	14.2	7.47	13.1	7.54	13	7.33	12	7.15	11.2	6.76
	-16.70	16.5	7.63	16.3	7.60	14.2	7.39	13	7.23	12	7.06	11.2	6.67
	-14.70	19.1	7.76	19.1	7.45	14.2	7.29	13	7.03	12	6.86	11.2	6.49
	-12.60	21.3	7.60	19.1	7.35	14.2	7.09	13	6.66	12	6.50	11.2	6.14
	-10.50	21.3	7.50	19.1	7.14	14.2	6.71	13	6.55	12	6.39	11.2	6.04
	-9.50	21.3	7.29	19.1	6.76	14.2	6.60	13	6.49	12	6.34	11.2	5.99
	-8.50	21.3	6.91	19.1	6.65	14.2	6.54	13	6.37	12	6.22	11.2	5.88
	-7.00	21.3	6.79	19.1	6.60	14.2	6.42	13	6.13	12	5.99	11.2	5.66
	-5.00	21.3	6.74	19.1	6.48	14.2	6.18	13	5.87	12	5.73	11.2	5.42
	-3.00	21.3	6.61	19.1	6.23	14.2	5.92	13	5.67	12	5.53	11.2	5.23
	0.00	21.3	6.36	19.1	5.97	14.2	5.72	13	5.48	12	5.34	11.2	5.05
	3.00	21.3	6.09	19.1	5.76	14.2	5.52	13	5.31	12	5.18	11.2	4.9
	5.00	21.3	5.88	19.1	5.56	14.2	5.35	13	5.09	12	4.96	11.2	4.69
	7.00	21.3	5.68	19.1	5.4	14.2	5.13	13	4.86	12	4.75	11.2	4.49
	9.00	21.3	5.51	19.1	5.17	14.2	4.9	13	4.6	12	4.49	11.2	4.24
	11.00	21.3	5.28	19.1	4.94	14.2	4.64	13	4.78	12	4.67	11.2	4.41
13.00	21.3	5.04	19.1	4.67	14.2	4.82	13	4.64	12	4.53	11.2	4.28	
15.00	21.3	4.77	19.1	4.86	14.2	4.67	13	4.49	12	4.38	11.2	4.14	
50%	-19.80	12.1	7.45	11.1	7.25	10.9	7.06	10.4	6.76	10.2	6.54	9.4	6.32
	-18.80	12.1	7.35	11.1	7.16	10.9	6.96	10.4	6.67	10.2	6.45	9.4	6.24
	-16.70	12.1	7.14	11.1	6.96	10.9	6.77	10.4	6.49	10.2	6.27	9.4	6.06
	-14.70	12.1	6.76	11.1	6.59	10.9	6.41	10.4	6.14	10.2	5.94	9.4	5.74
	-12.60	12.1	6.65	11.1	6.48	10.9	6.30	10.4	6.04	10.2	5.84	9.4	5.64
	-10.50	12.1	6.47	11.1	6.30	10.9	6.25	10.4	5.99	10.2	5.79	9.4	5.60
	-9.50	12.1	6.23	11.1	6.02	10.9	6.13	10.4	5.87	10.2	5.68	9.4	5.49
	-8.50	12.1	5.9	11.1	5.87	10.9	5.90	10.4	5.60	10.2	5.46	9.4	5.28
	-7.00	12.1	5.76	11.1	5.60	10.9	5.60	10.4	5.41	10.2	5.23	9.4	5.06
	-5.00	12.1	5.56	11.1	5.42	10.9	5.45	10.4	5.21	10.2	5.05	9.4	4.80
	-3.00	12.1	5.39	11.1	5.21	10.9	5.27	10.4	5.05	10.2	4.82	9.4	4.70
	0.00	12.1	5.17	11.1	4.95	10.9	5.11	10.4	4.89	10.2	4.75	9.4	4.57
	3.00	12.1	4.94	11.1	4.75	10.9	4.80	10.4	4.63	10.2	4.53	9.4	4.30
	5.00	12.1	4.67	11.1	4.48	10.9	4.68	10.4	4.48	10.2	4.33	9.4	4.19
	7.00	12.1	4.32	11.1	4.29	10.9	4.42	10.4	4.24	10.2	4.10	9.4	3.96
	9.00	12.1	4.15	11.1	3.98	10.9	3.92	10.4	3.76	10.2	3.63	9.4	3.51
	11.00	12.1	3.94	11.1	3.79	10.9	3.70	10.4	3.51	10.2	3.40	9.4	3.30
13.00	12.1	3.8	11.1	3.56	10.9	3.68	10.4	3.45	10.2	3.34	9.4	3.22	
15.00	12.1	3.50	11.1	3.41	10.9	3.40	10.4	3.32	10.2	3.20	9.4	3.09	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pdm335W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.80	15.1	5.96	15.1	6.13	15.1	6.22	15.1	6.25	15.1	6.45	15.1	6.60
	-18.80	18.1	6.10	18.1	6.27	18.1	6.36	18.1	6.38	18.1	6.60	18.1	6.79
	-16.70	20.6	6.27	20.6	6.45	20.6	6.54	20.6	6.57	20.6	6.79	20.6	6.98
	-14.70	23.7	6.45	23.7	6.63	23.7	6.72	23.7	6.75	23.7	6.97	23.7	7.13
	-12.60	25.5	6.58	25.5	6.76	25.5	6.86	25.5	6.89	25.5	7.12	25.5	7.41
	-10.50	26.3	6.84	26.3	7.03	26.3	7.14	26.3	7.16	26.3	7.40	26.3	7.60
	-9.50	28.1	7.02	28.1	7.21	28.1	7.32	28.1	7.35	28.1	7.59	28.1	7.89
	-8.50	29.2	7.28	29.2	7.48	29.2	7.59	29.2	7.62	29.2	7.88	29.2	8.17
	-7.00	30.4	7.54	30.4	7.75	30.4	7.87	30.4	7.90	30.4	8.16	30.4	8.31
	-5.00	31.8	7.67	31.8	7.89	31.8	8.00	31.8	8.04	31.8	8.30	31.8	8.44
	-3.00	32.9	7.79	32.9	8.00	32.9	8.12	32.9	8.16	32.9	8.43	32.9	8.50
	0.00	34.9	7.85	34.9	8.07	34.9	8.19	34.9	8.22	34.9	8.49	34.9	8.65
	3.00	36.8	7.98	36.8	8.20	36.8	8.33	36.8	8.36	36.8	8.64	36.8	8.84
	5.00	38.1	8.16	38.1	8.38	38.1	8.51	38.1	8.54	38.1	8.83	38.1	8.95
	7.00	39.4	8.26	39.4	8.49	39.4	8.62	39.4	8.65	39.4	8.94	39.4	9.07
9.00	40.6	8.38	40.6	8.61	40.6	8.74	40.6	8.77	40.6	9.06	40.6	9.17	
11.00	42.3	8.46	41.9	8.70	41.8	8.83	41.8	8.86	41.8	9.16	41.8	9.34	
13.00	43.5	8.62	43.5	8.86	43.3	8.99	43.3	9.03	43.0	9.33	42.5	9.50	
15.00	44.8	8.77	44.6	9.01	44.6	9.15	44.6	9.19	43.5	9.49	42.5	9.31	
120%	-19.80	15.1	5.72	15.1	6.09	15.1	6.20	15.1	6.38	15.1	6.69	15.1	7.16
	-18.80	18.1	5.93	18.1	6.22	18.1	6.33	18.1	6.57	18.1	6.88	18.1	7.45
	-16.70	20.6	6.11	20.6	6.40	20.6	6.52	20.6	6.75	20.6	7.02	20.6	7.64
	-14.70	23.7	6.28	23.7	6.58	23.7	6.70	23.7	6.89	23.7	7.30	23.7	7.93
	-12.60	25.5	6.40	25.5	6.72	25.5	6.83	25.5	7.16	25.5	7.48	25.5	8.21
	-10.50	26.3	6.66	26.3	6.98	26.3	7.11	26.3	7.35	26.3	7.77	26.3	8.36
	-9.50	28.1	6.83	28.1	7.16	28.1	7.29	28.1	7.62	28.1	8.05	28.1	8.48
	-8.50	29.2	7.09	29.2	7.43	29.2	7.56	29.2	7.90	29.2	8.19	29.2	8.55
	-7.00	30.4	7.34	30.4	7.70	30.4	7.84	30.4	8.04	30.4	8.31	30.4	8.69
	-5.00	31.8	7.47	31.8	7.83	31.8	7.97	31.8	8.16	31.8	8.37	31.8	8.88
	-3.00	32.9	7.58	32.9	7.95	32.9	8.09	32.9	8.22	32.9	8.51	32.9	9.00
	0.00	34.9	7.64	34.9	8.01	34.9	8.16	34.9	8.36	34.9	8.70	34.9	9.12
	3.00	36.8	7.77	36.8	8.15	36.8	8.29	36.8	8.54	36.8	8.81	36.8	9.22
	5.00	38.1	7.94	38.1	8.33	38.1	8.47	38.1	8.65	38.1	8.93	38.1	9.39
	7.00	39.4	8.04	39.4	8.43	39.4	8.58	39.4	8.77	39.4	9.03	39.4	9.55
9.00	40.6	8.16	40.6	8.55	40.6	8.70	40.6	8.86	40.6	9.20	39.4	9.36	
11.00	41.8	8.24	41.8	8.64	41.8	8.79	41.8	9.03	41.8	9.36	39.4	9.24	
13.00	43.5	8.39	43.3	8.80	43.2	8.96	43.2	9.19	41.8	9.17	39.4	8.98	
15.00	44.8	8.54	44.6	8.95	44.4	9.11	44.3	9.00	41.8	9.05	39.4	8.50	
110%	-19.80	15.1	6.15	15.1	6.79	15.1	6.96	15.1	6.99	15.1	7.30	15.1	7.68
	-18.80	18.1	6.28	18.1	6.98	18.1	7.10	18.1	7.27	18.1	7.48	18.1	7.96
	-16.70	20.6	6.46	20.6	7.13	20.6	7.38	20.6	7.46	20.6	7.77	20.6	8.10
	-14.70	23.7	6.64	23.7	7.41	23.7	7.57	23.7	7.73	23.7	8.05	23.7	8.22
	-12.60	25.5	6.78	25.5	7.60	25.5	7.86	25.5	8.01	25.5	8.19	25.5	8.29
	-10.50	26.3	7.05	26.3	7.89	26.3	8.14	26.3	8.15	26.3	8.31	26.3	8.42
	-9.50	28.1	7.23	28.1	8.17	28.1	8.28	28.1	8.28	28.1	8.37	28.1	8.61
	-8.50	29.2	7.50	29.2	8.31	29.2	8.41	29.2	8.34	29.2	8.51	29.2	8.72
	-7.00	30.4	7.77	30.4	8.44	30.4	8.47	30.4	8.48	30.4	8.70	30.4	8.84
	-5.00	31.8	7.91	31.8	8.50	31.8	8.61	31.8	8.67	31.8	8.81	31.8	8.93
	-3.00	32.9	8.03	32.9	8.65	32.9	8.80	32.9	8.78	32.9	8.93	32.9	9.10
	0.00	34.9	8.09	34.9	8.84	34.9	8.92	34.9	8.90	34.9	9.03	34.9	9.26
	3.00	36.8	8.23	36.8	8.95	36.8	9.04	36.8	8.99	36.8	9.20	36.8	9.07
	5.00	38.1	8.41	38.1	9.07	38.1	9.13	38.1	9.16	38.1	9.36	36.8	8.95
	7.00	39.4	8.51	39.4	9.17	39.4	9.30	39.4	9.32	38.1	9.17	36.8	8.70
9.00	40.6	8.63	40.6	9.34	40.6	9.47	39.4	9.13	38.1	9.05	36.8	8.24	
11.00	42.3	8.72	41.9	9.50	40.6	9.28	39.4	9.01	38.1	8.79	36.8	8.10	
13.00	43.5	8.89	43.3	9.31	40.6	9.15	39.4	8.76	38.1	8.33	36.8	8.04	
15.00	44.2	9.04	43.8	9.19	40.6	8.90	39.4	8.29	38.1	8.19	36.8	7.89	

GMV-Pdm335W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.80	15.1	6.71	15.0	7.07	15.0	7.76	15.0	7.98	15.0	8.01	14.9	8.22
	-18.80	18.1	6.89	18.0	7.35	18.0	8.05	18.0	8.28	18.0	8.30	17.9	8.37
	-16.70	20.6	7.03	20.6	7.54	20.6	8.34	20.6	8.42	20.6	8.44	20.5	8.49
	-14.70	23.7	7.32	23.7	7.83	23.6	8.48	23.7	8.56	23.7	8.57	23.6	8.56
	-12.60	25.5	7.50	25.5	8.11	25.4	8.61	25.5	8.69	25.5	8.63	25.4	8.70
	-10.50	26.3	7.79	26.3	8.25	26.2	8.68	26.3	8.76	26.3	8.78	26.2	8.89
	-9.50	28.1	8.07	28.1	8.37	28.1	8.82	28.1	8.82	28.1	8.97	28.0	9.01
	-8.50	29.2	8.21	29.2	8.44	29.2	9.02	29.2	9.01	29.2	9.09	28.7	9.13
	-7.00	30.4	8.33	30.4	8.58	30.4	9.13	30.4	9.13	30.4	9.21	30.2	9.23
	-5.00	31.8	8.40	31.8	8.77	31.8	9.26	31.8	9.26	31.8	9.31	31.5	9.40
	-3.00	32.9	8.54	32.9	8.88	32.8	9.36	32.9	9.35	32.9	9.48	32.7	9.56
	0.00	34.9	8.72	34.9	9.00	34.9	9.53	34.9	9.51	34.9	9.65	32.7	9.37
	3.00	36.8	8.84	36.8	9.10	36.7	9.70	36.3	9.50	35.1	9.46	32.7	9.25
	5.00	38.1	8.96	38.1	9.27	37.5	9.50	36.3	9.31	35.1	9.33	32.7	8.99
	7.00	39.4	9.05	39.3	9.43	37.5	9.38	36.3	9.19	35.1	9.07	32.7	8.51
9.00	40.6	9.22	39.3	9.24	37.5	9.11	36.3	8.93	35.1	8.59	32.7	8.37	
11.00	41.9	9.38	39.3	9.12	37.5	8.63	36.3	8.46	35.1	8.44	32.7	8.30	
13.00	42.3	9.19	39.3	8.86	37.5	8.48	36.3	8.35	35.1	8.33	32.7	8.15	
15.00	42.3	9.07	39.3	8.39	37.5	8.42	36.3	8.25	35.1	8.22	32.7	7.84	
90%	-19.80	15.1	7.31	15.0	7.81	15.0	8.10	15.0	8.37	15.0	8.36	14.9	8.50
	-18.80	18.1	7.49	18.0	8.09	18.0	8.24	18.0	8.52	18.0	8.48	17.9	8.65
	-16.70	20.6	7.78	20.6	8.23	20.6	8.36	20.6	8.65	20.6	8.55	20.5	8.84
	-14.70	23.7	8.06	23.7	8.35	23.6	8.43	23.6	8.71	23.7	8.69	23.6	8.95
	-12.60	25.5	8.20	25.5	8.42	25.5	8.57	25.5	8.77	25.5	8.88	25.4	9.07
	-10.50	26.3	8.32	26.3	8.56	26.3	8.76	26.3	8.97	26.3	9.00	26.2	9.17
	-9.50	28.1	8.38	28.1	8.75	28.1	8.87	28.1	9.08	28.1	9.12	28.0	9.34
	-8.50	29.2	8.52	29.2	8.86	29.3	8.99	29.3	9.21	29.2	9.22	28.7	9.50
	-7.00	30.4	8.71	30.4	8.98	30.4	9.09	30.4	9.30	30.4	9.39	28.7	9.31
	-5.00	31.8	8.82	31.8	9.08	31.8	9.26	31.8	9.46	31.8	9.55	28.7	9.19
	-3.00	32.9	8.95	32.9	9.24	32.9	9.42	32.9	9.45	31.8	9.36	28.7	8.93
	0.00	34.9	9.04	34.9	9.40	33.8	9.23	32.9	9.26	31.8	9.24	28.7	8.46
	3.00	36.8	9.21	36.8	9.22	33.8	9.11	32.9	9.14	31.8	8.98	28.7	8.31
	5.00	37.1	9.37	36.8	9.09	33.8	8.85	32.9	8.89	31.8	8.50	28.7	8.25
	7.00	38.1	9.18	36.8	8.84	33.8	8.38	32.9	8.41	31.8	8.36	28.7	8.10
9.00	38.1	9.06	36.8	8.37	33.8	8.24	32.9	8.27	31.8	8.29	28.7	7.79	
11.00	38.1	8.81	36.8	8.23	33.8	8.17	32.9	8.21	31.8	8.14	28.7	7.46	
13.00	38.1	8.34	36.8	8.16	33.8	8.02	32.9	8.05	31.8	7.83	28.7	7.20	
15.00	38.1	8.20	36.8	8.01	33.8	7.72	32.9	7.75	31.8	7.50	28.7	6.96	
80%	-19.80	15.1	8.05	15.0	8.21	15.0	8.36	15.0	8.45	15.0	8.60	14.9	8.81
	-18.80	18.1	8.19	18.0	8.33	18.0	8.43	18.0	8.59	18.0	8.79	17.9	8.93
	-16.70	20.6	8.31	20.6	8.40	20.6	8.57	20.6	8.78	20.6	8.90	20.5	9.05
	-14.70	23.7	8.37	23.7	8.54	23.6	8.76	23.6	8.89	23.7	9.03	23.6	9.15
	-12.60	25.5	8.51	25.5	8.72	25.5	8.87	25.5	9.02	25.5	9.12	25.4	9.32
	-10.50	26.3	8.70	26.3	8.84	26.3	8.99	26.3	9.11	26.3	9.29	26.2	9.48
	-9.50	28.1	8.81	28.1	8.96	28.1	9.09	28.1	9.28	28.1	9.45	26.2	9.29
	-8.50	29.2	8.93	29.2	9.05	29.3	9.26	29.3	9.44	28.1	9.26	26.2	9.16
	-7.00	30.4	9.03	30.4	9.22	30.4	9.42	29.3	9.25	28.1	9.14	26.2	8.91
	-5.00	31.8	9.20	31.8	9.38	30.4	9.23	29.3	9.13	28.1	8.89	26.2	8.43
	-3.00	32.9	9.36	31.8	9.19	30.4	9.11	29.3	8.87	28.1	8.41	26.2	8.29
	0.00	34.9	9.17	31.8	9.07	30.4	8.85	29.3	8.40	28.1	8.27	26.2	8.23
	3.00	34.9	9.05	31.8	8.82	30.4	8.38	29.3	8.26	28.1	8.21	26.2	8.07
	5.00	34.9	8.79	31.8	8.35	30.4	8.24	29.3	8.19	28.1	8.05	26.2	7.77
	7.00	34.9	8.33	31.8	8.21	30.4	8.17	29.3	8.04	28.1	7.75	26.2	7.44
9.00	34.9	8.19	31.8	8.14	30.4	8.02	29.3	7.74	28.1	7.42	26.2	7.18	
11.00	34.9	8.12	31.8	7.99	30.4	7.72	29.3	7.41	28.1	7.17	26.2	6.94	
13.00	34.9	7.97	31.8	7.69	30.4	7.39	29.3	7.16	28.1	6.92	26.2	6.73	
15.00	34.9	7.67	31.8	7.36	30.4	7.14	29.3	6.91	28.1	6.71	26.2	6.44	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pdm335W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.80	14.8	8.45	14.8	8.76	14.8	8.84	14.8	8.93	14.8	8.96	14.8	9.10
	-18.80	17.4	8.59	17.4	8.87	17.4	8.96	17.3	9.03	17.3	9.12	17.3	9.26
	-16.70	20.0	8.78	20.0	8.99	20.0	9.05	19.9	9.20	19.9	9.28	18.1	9.07
	-14.70	20.4	8.89	20.4	9.09	20.4	9.22	20.4	9.36	19.9	9.10	18.1	8.95
	-12.60	24.4	9.02	24.4	9.26	24.4	9.38	20.4	9.17	19.9	8.98	18.1	8.70
	-10.50	27.7	9.11	27.7	9.42	24.4	9.19	20.4	9.05	19.9	8.73	18.1	8.24
	-9.50	27.9	9.28	27.9	9.23	24.4	9.07	20.4	8.79	19.9	8.26	18.1	8.10
	-8.50	29.0	9.44	27.9	9.11	24.4	8.82	20.4	8.33	19.9	8.12	18.1	8.04
	-7.00	29.0	9.25	27.9	8.85	24.4	8.35	20.4	8.19	19.9	8.06	18.1	7.89
	-5.00	29.0	9.13	27.9	8.38	24.4	8.21	20.4	8.12	19.9	7.91	18.1	7.59
	-3.00	29.0	8.87	27.9	8.24	24.4	8.14	20.4	7.97	19.9	7.61	18.1	7.27
	0.00	29.0	8.40	27.9	8.17	24.4	7.99	20.4	7.67	19.9	7.29	18.1	7.02
	3.00	29.0	8.26	27.9	8.02	24.4	7.69	20.4	7.34	19.9	7.04	18.1	6.78
	5.00	29.0	8.19	27.9	7.72	24.4	7.36	20.4	7.09	19.9	6.79	18.1	6.57
	7.00	29.0	8.04	27.9	7.39	24.4	7.11	20.4	6.85	19.9	6.59	18.1	6.30
9.00	29.0	7.74	27.9	7.14	24.4	6.87	20.4	6.64	19.9	6.31	18.1	6.02	
11.00	29.0	7.41	27.9	6.89	24.4	6.66	20.4	6.36	19.9	6.03	18.1	5.69	
13.00	29.0	7.16	27.9	6.69	24.4	6.38	20.4	6.08	19.9	5.71	18.1	5.92	
15.00	29.0	6.91	27.9	6.40	24.4	6.10	20.4	5.75	19.9	5.93	18.1	5.74	
60%	-19.80	14.8	9.03	14.8	8.93	14.6	9.03	14.6	9.11	14.3	8.89	13.3	8.41
	-18.80	16.9	9.12	16.9	9.10	15.6	9.19	15.5	8.93	14.3	8.71	13.3	8.24
	-16.70	19.6	9.29	19.4	9.26	16.9	9.00	15.5	8.81	14.3	8.60	13.3	8.13
	-14.70	22.7	9.45	22.7	9.07	16.9	8.88	15.5	8.57	14.3	8.36	13.3	7.90
	-12.60	25.4	9.26	22.7	8.95	16.9	8.63	15.5	8.11	14.3	7.91	13.3	7.48
	-10.50	25.4	9.14	22.7	8.70	16.9	8.17	15.5	7.97	14.3	7.78	13.3	7.35
	-9.50	25.4	8.89	22.7	8.24	16.9	8.04	15.5	7.91	14.3	7.72	13.3	7.30
	-8.50	25.4	8.41	22.7	8.10	16.9	7.97	15.5	7.76	14.3	7.58	13.3	7.16
	-7.00	25.4	8.27	22.7	8.04	16.9	7.83	15.5	7.47	14.3	7.29	13.3	6.89
	-5.00	25.4	8.21	22.7	7.89	16.9	7.53	15.5	7.15	14.3	6.98	13.3	6.60
	-3.00	25.4	8.05	22.7	7.59	16.9	7.21	15.5	6.91	14.3	6.74	13.3	6.37
	0.00	25.4	7.75	22.7	7.27	16.9	6.96	15.5	6.67	14.3	6.51	13.3	6.15
	3.00	25.4	7.42	22.7	7.02	16.9	6.72	15.5	6.47	14.3	6.31	13.3	5.97
	5.00	25.4	7.17	22.7	6.78	16.9	6.52	15.5	6.20	14.3	6.05	13.3	5.72
	7.00	25.4	6.92	22.7	6.57	16.9	6.25	15.5	5.92	14.3	5.78	13.3	5.46
9.00	25.4	6.71	22.7	6.30	16.9	5.97	15.5	5.60	14.3	5.47	13.3	5.17	
11.00	25.4	6.43	22.7	6.02	16.9	5.65	15.5	5.82	14.3	5.68	13.3	5.37	
13.00	25.4	6.14	22.7	5.69	16.9	5.87	15.5	5.65	14.3	5.51	13.3	5.21	
15.00	25.4	5.81	22.7	5.92	16.9	5.69	15.5	5.47	14.3	5.34	13.3	5.04	
50%	-19.80	14.4	9.08	13.2	8.83	13.0	8.60	12.4	8.23	12.1	7.97	11.2	7.70
	-18.80	14.4	8.95	13.2	8.72	13.0	8.48	12.4	8.13	12.1	7.86	11.2	7.60
	-16.70	14.4	8.70	13.2	8.48	13.0	8.25	12.4	7.91	12.1	7.64	11.2	7.38
	-14.70	14.4	8.23	13.2	8.03	13.0	7.81	12.4	7.48	12.1	7.24	11.2	6.99
	-12.60	14.4	8.10	13.2	7.89	13.0	7.67	12.4	7.36	12.1	7.11	11.2	6.87
	-10.50	14.4	7.88	13.2	7.67	13.0	7.61	12.4	7.30	12.1	7.05	11.2	6.82
	-9.50	14.4	7.59	13.2	7.33	13.0	7.47	12.4	7.15	12.1	6.92	11.2	6.69
	-8.50	14.4	7.19	13.2	7.15	13.0	7.19	12.4	6.82	12.1	6.65	11.2	6.43
	-7.00	14.4	7.02	13.2	6.82	13.0	6.82	12.4	6.59	12.1	6.37	11.2	6.16
	-5.00	14.4	6.77	13.2	6.60	13.0	6.64	12.4	6.35	12.1	6.15	11.2	5.85
	-3.00	14.4	6.57	13.2	6.35	13.0	6.42	12.4	6.15	12.1	5.87	11.2	5.73
	0.00	14.4	6.30	13.2	6.03	13.0	6.22	12.4	5.96	12.1	5.79	11.2	5.57
	3.00	14.4	6.02	13.2	5.79	13.0	5.85	12.4	5.64	12.1	5.52	11.2	5.24
	5.00	14.4	5.69	13.2	5.46	13.0	5.70	12.4	5.46	12.1	5.27	11.2	5.10
	7.00	14.4	5.26	13.2	5.23	13.0	5.38	12.4	5.17	12.1	4.99	11.2	4.82
9.00	14.4	5.06	13.2	4.85	13.0	4.78	12.4	4.58	12.1	4.42	11.2	4.28	
11.00	14.4	4.80	13.2	4.62	13.0	4.51	12.4	4.28	12.1	4.14	11.2	4.02	
13.00	14.4	4.63	13.2	4.34	13.0	4.48	12.4	4.20	12.1	4.06	11.2	3.92	
15.00	14.4	4.26	13.2	4.15	13.0	4.14	12.4	4.04	12.1	3.90	11.2	3.76	

GMV-Pdm400W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.80	18.1	7.12	18.1	7.32	18.1	7.43	18.1	7.46	18.1	7.71	18.1	7.89
	-18.80	21.7	7.28	21.7	7.48	21.7	7.59	21.7	7.62	21.7	7.87	21.7	8.11
	-16.70	24.8	7.49	24.8	7.70	24.8	7.81	24.8	7.84	24.8	8.10	24.8	8.34
	-14.70	28.4	7.70	28.4	7.91	28.4	8.03	28.4	8.06	28.4	8.33	28.4	8.51
	-12.60	30.6	7.85	30.6	8.07	30.6	8.19	30.6	8.23	30.6	8.50	30.6	8.85
	-10.50	31.6	8.17	31.6	8.40	31.6	8.52	31.6	8.55	31.6	8.84	31.6	9.08
	-9.50	33.7	8.38	33.7	8.61	33.7	8.74	33.7	8.77	33.7	9.06	33.7	9.42
	-8.50	35.0	8.69	35.0	8.93	35.0	9.07	35.0	9.10	35.0	9.40	35.0	9.76
	-7.00	36.4	9.01	36.4	9.26	36.4	9.39	36.4	9.43	36.4	9.74	36.4	9.93
	-5.00	38.1	9.16	38.1	9.42	38.1	9.56	38.1	9.60	38.1	9.91	38.1	10.07
	-3.00	39.4	9.30	39.4	9.56	39.4	9.70	39.4	9.74	39.4	10.06	39.4	10.15
	0.00	41.9	9.37	41.9	9.63	41.9	9.78	41.9	9.82	41.9	10.14	41.9	10.32
	3.00	44.1	9.53	44.1	9.79	44.1	9.94	44.1	9.98	44.1	10.31	44.1	10.55
	5.00	45.7	9.74	45.7	10.01	45.7	10.16	45.7	10.20	45.7	10.54	45.7	10.69
	7.00	47.3	9.87	47.3	10.14	47.3	10.29	47.3	10.33	47.3	10.67	47.3	10.83
9.00	48.7	10.00	48.7	10.28	48.7	10.43	48.7	10.47	48.7	10.82	48.7	10.95	
11.00	50.7	10.11	50.3	10.39	50.1	10.54	50.1	10.58	50.1	10.93	50.1	11.15	
13.00	52.1	10.29	52.1	10.58	52.0	10.74	52.0	10.78	51.6	11.14	51.0	11.35	
15.00	53.7	10.47	53.6	10.76	53.6	10.92	53.6	10.97	52.1	11.33	51.0	11.12	
120%	-19.80	18.1	6.83	18.1	7.27	18.1	7.40	18.1	7.62	18.1	7.99	18.1	8.55
	-18.80	21.7	7.09	21.7	7.43	21.7	7.56	21.7	7.84	21.7	8.21	21.7	8.89
	-16.70	24.8	7.29	24.8	7.64	24.8	7.78	24.8	8.06	24.8	8.38	24.8	9.12
	-14.70	28.4	7.49	28.4	7.86	28.4	8.00	28.4	8.23	28.4	8.71	28.4	9.47
	-12.60	30.6	7.65	30.6	8.02	30.6	8.16	30.6	8.55	30.6	8.94	30.6	9.81
	-10.50	31.6	7.95	31.6	8.34	31.6	8.49	31.6	8.77	31.6	9.27	31.6	9.98
	-9.50	33.7	8.16	33.7	8.55	33.7	8.70	33.7	9.10	33.7	9.61	33.7	10.13
	-8.50	35.0	8.46	35.0	8.87	35.0	9.03	35.0	9.43	35.0	9.77	35.0	10.21
	-7.00	36.4	8.77	36.4	9.19	36.4	9.36	36.4	9.60	36.4	9.92	36.4	10.38
	-5.00	38.1	8.92	38.1	9.35	38.1	9.52	38.1	9.74	38.1	10.00	38.1	10.61
	-3.00	39.4	9.05	39.4	9.49	39.4	9.66	39.4	9.82	39.4	10.17	39.4	10.74
	0.00	41.9	9.13	41.9	9.57	41.9	9.74	41.9	9.98	41.9	10.39	41.9	10.89
	3.00	44.1	9.28	44.1	9.73	44.1	9.90	44.1	10.20	44.1	10.52	44.1	11.00
	5.00	45.7	9.48	45.7	9.94	45.7	10.12	45.7	10.33	45.7	10.67	45.7	11.21
	7.00	47.3	9.60	47.3	10.07	47.3	10.25	47.3	10.47	47.3	10.78	47.3	11.40
9.00	48.7	9.74	48.7	10.21	48.7	10.39	48.7	10.58	48.7	10.98	47.3	11.18	
11.00	50.1	9.84	50.1	10.32	50.1	10.50	50.1	10.78	50.1	11.17	47.3	11.03	
13.00	52.1	10.02	52.0	10.51	51.9	10.70	51.9	10.97	50.1	10.95	47.3	10.72	
15.00	53.7	10.20	53.6	10.69	53.3	10.88	53.1	10.75	50.1	10.80	47.3	10.15	
110%	-19.80	18.1	7.34	18.1	8.11	18.1	8.31	18.1	8.35	18.1	8.71	18.1	9.18
	-18.80	21.7	7.50	21.7	8.34	21.7	8.48	21.7	8.68	21.7	8.94	21.7	9.51
	-16.70	24.8	7.72	24.8	8.51	24.8	8.82	24.8	8.90	24.8	9.27	24.8	9.67
	-14.70	28.4	7.93	28.4	8.85	28.4	9.04	28.4	9.24	28.4	9.61	28.4	9.82
	-12.60	30.6	8.09	30.6	9.08	30.6	9.38	30.6	9.57	30.6	9.77	30.6	9.89
	-10.50	31.6	8.42	31.6	9.42	31.6	9.72	31.6	9.74	31.6	9.92	31.6	10.06
	-9.50	33.7	8.63	33.7	9.76	33.7	9.89	33.7	9.88	33.7	10.00	33.7	10.28
	-8.50	35.0	8.96	35.0	9.93	35.0	10.04	35.0	9.96	35.0	10.17	35.0	10.41
	-7.00	36.4	9.28	36.4	10.07	36.4	10.12	36.4	10.13	36.4	10.39	36.4	10.56
	-5.00	38.1	9.44	38.1	10.15	38.1	10.28	38.1	10.35	38.1	10.52	38.1	10.67
	-3.00	39.4	9.58	39.4	10.32	39.4	10.51	39.4	10.48	39.4	10.67	39.4	10.87
	0.00	41.9	9.66	41.9	10.55	41.9	10.65	41.9	10.63	41.9	10.78	41.9	11.05
	3.00	44.1	9.82	44.1	10.69	44.1	10.79	44.1	10.74	44.1	10.98	44.1	10.83
	5.00	45.7	10.04	45.7	10.83	45.7	10.91	45.7	10.94	45.7	11.17	44.1	10.69
	7.00	47.3	10.17	47.3	10.95	47.3	11.11	47.3	11.13	45.7	10.95	44.1	10.39
9.00	48.7	10.31	48.7	11.15	48.7	11.30	47.3	10.90	45.7	10.80	44.1	9.84	
11.00	50.7	10.41	50.3	11.35	48.7	11.08	47.3	10.76	45.7	10.50	44.1	9.67	
13.00	52.1	10.61	52.0	11.12	48.7	10.93	47.3	10.46	45.7	9.94	44.1	9.60	
15.00	53.0	10.79	52.6	10.97	48.7	10.62	47.3	9.90	45.7	9.77	44.1	9.42	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pdm400W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.80	18.1	8.01	18.0	8.44	18.0	9.26	18.0	9.53	18.0	9.56	17.9	9.82
	-18.80	21.7	8.23	21.6	8.78	21.6	9.61	21.6	9.89	21.6	9.91	21.4	9.99
	-16.70	24.8	8.40	24.8	9.01	24.7	9.96	24.8	10.05	24.8	10.08	24.6	10.14
	-14.70	28.4	8.74	28.4	9.34	28.3	10.13	28.4	10.23	28.4	10.23	28.3	10.22
	-12.60	30.6	8.96	30.6	9.68	30.5	10.28	30.6	10.38	30.6	10.31	30.4	10.39
	-10.50	31.6	9.30	31.6	9.85	31.5	10.36	31.6	10.46	31.6	10.48	31.4	10.62
	-9.50	33.7	9.63	33.7	10.00	33.7	10.54	33.7	10.53	33.7	10.71	33.6	10.76
	-8.50	35.0	9.80	35.0	10.08	35.1	10.77	35.0	10.76	35.0	10.85	34.4	10.90
	-7.00	36.4	9.95	36.4	10.24	36.4	10.91	36.4	10.90	36.4	11.00	36.3	11.02
	-5.00	38.1	10.02	38.1	10.47	38.2	11.06	38.1	11.05	38.1	11.12	37.9	11.22
	-3.00	39.4	10.19	39.4	10.61	39.4	11.17	39.4	11.17	39.4	11.32	39.3	11.42
	0.00	41.9	10.42	41.9	10.75	41.8	11.38	41.9	11.35	41.9	11.52	39.3	11.19
	3.00	44.1	10.55	44.1	10.86	44.1	11.58	43.6	11.35	42.1	11.29	39.3	11.04
	5.00	45.7	10.70	45.7	11.07	45.0	11.35	43.6	11.12	42.1	11.14	39.3	10.73
	7.00	47.3	10.81	47.1	11.26	45.0	11.20	43.6	10.97	42.1	10.83	39.3	10.16
9.00	48.7	11.01	47.1	11.03	45.0	10.88	43.6	10.66	42.1	10.25	39.3	9.99	
11.00	50.3	11.20	47.1	10.89	45.0	10.30	43.6	10.10	42.1	10.08	39.3	9.91	
13.00	50.7	10.98	47.1	10.58	45.0	10.13	43.6	9.97	42.1	9.94	39.3	9.73	
15.00	50.7	10.83	47.1	10.02	45.0	10.05	43.6	9.85	42.1	9.82	39.3	9.36	
90%	-19.80	18.1	8.72	18.0	9.32	18.0	9.67	18.0	10.00	18.0	9.98	17.9	10.15
	-18.80	21.7	8.95	21.6	9.66	21.6	9.84	21.6	10.17	21.6	10.13	21.4	10.32
	-16.70	24.8	9.28	24.8	9.83	24.7	9.98	24.7	10.32	24.8	10.21	24.6	10.55
	-14.70	28.4	9.62	28.4	9.97	28.3	10.06	28.3	10.41	28.4	10.38	28.3	10.69
	-12.60	30.6	9.79	30.6	10.05	30.6	10.23	30.6	10.48	30.6	10.61	30.4	10.83
	-10.50	31.6	9.93	31.6	10.22	31.6	10.46	31.6	10.71	31.6	10.74	31.4	10.95
	-9.50	33.7	10.01	33.7	10.44	33.7	10.59	33.7	10.85	33.7	10.89	33.6	11.15
	-8.50	35.0	10.18	35.0	10.58	35.1	10.74	35.1	10.99	35.0	11.00	34.4	11.35
	-7.00	36.4	10.40	36.4	10.72	36.4	10.85	36.4	11.11	36.4	11.21	34.4	11.12
	-5.00	38.1	10.54	38.1	10.84	38.1	11.05	38.1	11.30	38.1	11.40	34.4	10.97
	-3.00	39.4	10.68	39.4	11.04	39.4	11.24	39.4	11.29	38.1	11.18	34.4	10.66
	0.00	41.9	10.79	41.9	11.23	40.6	11.02	39.4	11.06	38.1	11.03	34.4	10.10
	3.00	44.1	11.00	44.1	11.00	40.6	10.87	39.4	10.91	38.1	10.72	34.4	9.93
	5.00	44.6	11.19	44.1	10.86	40.6	10.57	39.4	10.61	38.1	10.15	34.4	9.85
	7.00	45.7	10.96	44.1	10.56	40.6	10.01	39.4	10.05	38.1	9.98	34.4	9.67
9.00	45.7	10.82	44.1	9.99	40.6	9.84	39.4	9.88	38.1	9.90	34.4	9.30	
11.00	45.7	10.51	44.1	9.83	40.6	9.76	39.4	9.80	38.1	9.72	34.4	8.91	
13.00	45.7	9.96	44.1	9.75	40.6	9.58	39.4	9.62	38.1	9.35	34.4	8.60	
15.00	45.7	9.79	44.1	9.57	40.6	9.22	39.4	9.26	38.1	8.95	34.4	8.30	
80%	-19.80	18.1	9.61	18.0	9.80	18.0	9.98	18.0	10.09	18.0	10.27	17.9	10.52
	-18.80	21.7	9.77	21.6	9.95	21.6	10.06	21.6	10.26	21.6	10.50	21.4	10.66
	-16.70	24.8	9.92	24.8	10.02	24.7	10.23	24.7	10.48	24.8	10.63	24.6	10.81
	-14.70	28.4	10.00	28.4	10.19	28.3	10.46	28.3	10.62	28.4	10.78	28.3	10.92
	-12.60	30.6	10.17	30.6	10.42	30.6	10.59	30.6	10.77	30.6	10.89	30.4	11.12
	-10.50	31.6	10.39	31.6	10.55	31.6	10.74	31.6	10.88	31.6	11.10	31.4	11.32
	-9.50	33.7	10.52	33.7	10.70	33.7	10.85	33.7	11.08	33.7	11.29	31.4	11.09
	-8.50	35.0	10.67	35.0	10.81	35.1	11.05	35.1	11.27	33.7	11.06	31.4	10.94
	-7.00	36.4	10.78	36.4	11.01	36.4	11.24	35.1	11.05	33.7	10.91	31.4	10.64
	-5.00	38.1	10.98	38.1	11.20	36.4	11.02	35.1	10.90	33.7	10.61	31.4	10.07
	-3.00	39.4	11.17	38.1	10.98	36.4	10.87	35.1	10.60	33.7	10.05	31.4	9.90
	0.00	41.9	10.95	38.1	10.83	36.4	10.57	35.1	10.03	33.7	9.88	31.4	9.82
	3.00	41.9	10.80	38.1	10.53	36.4	10.01	35.1	9.86	33.7	9.80	31.4	9.64
	5.00	41.9	10.50	38.1	9.97	36.4	9.84	35.1	9.78	33.7	9.62	31.4	9.28
	7.00	41.9	9.94	38.1	9.80	36.4	9.76	35.1	9.60	33.7	9.26	31.4	8.88
9.00	41.9	9.77	38.1	9.72	36.4	9.58	35.1	9.24	33.7	8.86	31.4	8.58	
11.00	41.9	9.70	38.1	9.54	36.4	9.22	35.1	8.85	33.7	8.56	31.4	8.28	
13.00	41.9	9.52	38.1	9.18	36.4	8.83	35.1	8.54	33.7	8.26	31.4	8.03	
15.00	41.9	9.16	38.1	8.79	36.4	8.52	35.1	8.25	33.7	8.01	31.4	7.70	

GMV-Pdm400W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.80	17.7	10.09	17.7	10.46	17.7	10.55	17.7	10.67	17.7	10.70	17.7	10.87
	-18.80	20.9	10.26	20.9	10.59	20.9	10.70	20.7	10.78	20.7	10.90	20.7	11.05
	-16.70	24.0	10.48	24.0	10.74	24.0	10.81	23.9	10.98	23.9	11.08	21.7	10.83
	-14.70	24.4	10.62	24.4	10.85	24.4	11.01	24.4	11.17	23.9	10.86	21.7	10.69
	-12.60	29.3	10.77	29.3	11.05	29.3	11.20	24.4	10.95	23.9	10.72	21.7	10.39
	-10.50	33.3	10.88	33.3	11.24	29.3	10.98	24.4	10.80	23.9	10.42	21.7	9.84
	-9.50	33.4	11.08	33.4	11.02	29.3	10.83	24.4	10.50	23.9	9.86	21.7	9.67
	-8.50	34.9	11.27	33.4	10.87	29.3	10.53	24.4	9.94	23.9	9.70	21.7	9.60
	-7.00	34.9	11.05	33.4	10.57	29.3	9.97	24.4	9.77	23.9	9.62	21.7	9.42
	-5.00	34.9	10.90	33.4	10.01	29.3	9.80	24.4	9.70	23.9	9.44	21.7	9.06
	-3.00	34.9	10.60	33.4	9.84	29.3	9.72	24.4	9.52	23.9	9.09	21.7	8.68
	0.00	34.9	10.03	33.4	9.76	29.3	9.54	24.4	9.16	23.9	8.70	21.7	8.38
	3.00	34.9	9.86	33.4	9.58	29.3	9.18	24.4	8.77	23.9	8.40	21.7	8.09
	5.00	34.9	9.78	33.4	9.22	29.3	8.79	24.4	8.47	23.9	8.11	21.7	7.85
	7.00	34.9	9.60	33.4	8.83	29.3	8.49	24.4	8.18	23.9	7.87	21.7	7.52
	9.00	34.9	9.24	33.4	8.52	29.3	8.20	24.4	7.93	23.9	7.54	21.7	7.19
11.00	34.9	8.85	33.4	8.23	29.3	7.95	24.4	7.60	23.9	7.20	21.7	6.80	
13.00	34.9	8.54	33.4	7.98	29.3	7.62	24.4	7.26	23.9	6.82	21.7	7.07	
15.00	34.9	8.25	33.4	7.65	29.3	7.28	24.4	6.87	23.9	7.08	21.7	6.85	
60%	-19.80	17.7	10.78	17.7	10.67	17.6	10.78	17.6	10.88	17.1	10.62	16.0	10.04
	-18.80	20.3	10.89	20.3	10.87	18.7	10.97	18.6	10.66	17.1	10.41	16.0	9.84
	-16.70	23.6	11.10	23.3	11.05	20.3	10.75	18.6	10.52	17.1	10.27	16.0	9.71
	-14.70	27.3	11.29	27.3	10.83	20.3	10.61	18.6	10.23	17.1	9.98	16.0	9.43
	-12.60	30.4	11.06	27.3	10.69	20.3	10.31	18.6	9.68	17.1	9.45	16.0	8.93
	-10.50	30.4	10.91	27.3	10.39	20.3	9.76	18.6	9.52	17.1	9.29	16.0	8.78
	-9.50	30.4	10.61	27.3	9.84	20.3	9.60	18.6	9.44	17.1	9.22	16.0	8.71
	-8.50	30.4	10.05	27.3	9.67	20.3	9.52	18.6	9.27	17.1	9.05	16.0	8.55
	-7.00	30.4	9.88	27.3	9.60	20.3	9.34	18.6	8.92	17.1	8.71	16.0	8.23
	-5.00	30.4	9.80	27.3	9.42	20.3	8.99	18.6	8.54	17.1	8.34	16.0	7.88
	-3.00	30.4	9.62	27.3	9.06	20.3	8.61	18.6	8.25	17.1	8.05	16.0	7.61
	0.00	30.4	9.26	27.3	8.68	20.3	8.31	18.6	7.96	17.1	7.77	16.0	7.35
	3.00	30.4	8.86	27.3	8.38	20.3	8.03	18.6	7.72	17.1	7.54	16.0	7.13
	5.00	30.4	8.56	27.3	8.09	20.3	7.79	18.6	7.40	17.1	7.22	16.0	6.82
	7.00	30.4	8.26	27.3	7.85	20.3	7.46	18.6	7.07	17.1	6.90	16.0	6.52
	9.00	30.4	8.01	27.3	7.52	20.3	7.13	18.6	6.69	17.1	6.53	16.0	6.17
11.00	30.4	7.68	27.3	7.19	20.3	6.74	18.6	6.95	17.1	6.79	16.0	6.42	
13.00	30.4	7.34	27.3	6.80	20.3	7.01	18.6	6.75	17.1	6.58	16.0	6.22	
15.00	30.4	6.94	27.3	7.07	20.3	6.80	18.6	6.53	17.1	6.37	16.0	6.02	
50%	-19.80	17.3	10.84	15.9	10.55	15.6	10.27	14.9	9.83	14.6	9.51	13.4	9.19
	-18.80	17.3	10.69	15.9	10.41	15.6	10.12	14.9	9.70	14.6	9.38	13.4	9.08
	-16.70	17.3	10.39	15.9	10.12	15.6	9.85	14.9	9.44	14.6	9.12	13.4	8.81
	-14.70	17.3	9.83	15.9	9.59	15.6	9.32	14.9	8.93	14.6	8.64	13.4	8.35
	-12.60	17.3	9.67	15.9	9.43	15.6	9.16	14.9	8.79	14.6	8.49	13.4	8.20
	-10.50	17.3	9.41	15.9	9.16	15.6	9.09	14.9	8.71	14.6	8.42	13.4	8.15
	-9.50	17.3	9.06	15.9	8.76	15.6	8.92	14.9	8.54	14.6	8.26	13.4	7.99
	-8.50	17.3	8.58	15.9	8.54	15.6	8.58	14.9	8.15	14.6	7.94	13.4	7.68
	-7.00	17.3	8.38	15.9	8.15	15.6	8.15	14.9	7.87	14.6	7.61	13.4	7.36
	-5.00	17.3	8.09	15.9	7.88	15.6	7.93	14.9	7.58	14.6	7.35	13.4	6.98
	-3.00	17.3	7.84	15.9	7.58	15.6	7.67	14.9	7.35	14.6	7.01	13.4	6.84
	0.00	17.3	7.52	15.9	7.20	15.6	7.43	14.9	7.11	14.6	6.91	13.4	6.65
	3.00	17.3	7.19	15.9	6.91	15.6	6.98	14.9	6.73	14.6	6.59	13.4	6.25
	5.00	17.3	6.80	15.9	6.52	15.6	6.81	14.9	6.52	14.6	6.30	13.4	6.09
	7.00	17.3	6.28	15.9	6.24	15.6	6.43	14.9	6.17	14.6	5.96	13.4	5.76
	9.00	17.3	6.04	15.9	5.79	15.6	5.70	14.9	5.47	14.6	5.28	13.4	5.11
11.00	17.3	5.73	15.9	5.51	15.6	5.38	14.9	5.11	14.6	4.95	13.4	4.80	
13.00	17.3	5.53	15.9	5.18	15.6	5.35	14.9	5.02	14.6	4.85	13.4	4.68	
15.00	17.3	5.09	15.9	4.96	15.6	4.95	14.9	4.83	14.6	4.65	13.4	4.49	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pdm450W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.80	20.2	8.84	20.2	9.08	20.2	9.22	20.2	9.26	20.2	9.56	20.2	9.79
	-18.80	24.1	9.03	24.1	9.28	24.1	9.42	24.1	9.46	24.1	9.77	24.1	10.07
	-16.70	27.5	9.29	27.5	9.55	27.5	9.69	27.5	9.73	27.5	10.05	27.5	10.35
	-14.70	31.6	9.55	31.6	9.82	31.6	9.96	31.6	10.00	31.6	10.34	31.6	10.56
	-12.60	34.0	9.75	34.0	10.02	34.0	10.17	34.0	10.21	34.0	10.55	34.0	10.98
	-10.50	35.1	10.14	35.1	10.42	35.1	10.57	35.1	10.62	35.1	10.97	35.1	11.26
	-9.50	37.5	10.40	37.5	10.69	37.5	10.85	37.5	10.89	37.5	11.25	37.5	11.69
	-8.50	38.9	10.79	38.9	11.09	38.9	11.25	38.9	11.30	38.9	11.67	38.9	12.11
	-7.00	40.5	11.18	40.5	11.49	40.5	11.66	40.5	11.71	40.5	12.09	40.5	12.32
	-5.00	42.4	11.37	42.4	11.69	42.4	11.86	42.4	11.91	42.4	12.30	42.4	12.50
	-3.00	43.8	11.54	43.8	11.86	43.8	12.04	43.8	12.09	43.8	12.49	43.8	12.60
	0.00	46.5	11.63	46.5	11.96	46.5	12.13	46.5	12.18	46.5	12.59	46.5	12.81
	3.00	49.0	11.83	49.0	12.16	49.0	12.34	49.0	12.39	49.0	12.80	49.0	13.09
	5.00	50.8	12.09	50.8	12.42	50.8	12.61	50.8	12.66	50.8	13.08	50.8	13.26
	7.00	52.5	12.24	52.5	12.58	52.5	12.77	52.5	12.82	52.5	13.25	52.5	13.45
9.00	54.1	12.41	54.1	12.76	54.1	12.95	54.1	13.00	54.1	13.43	54.1	13.59	
11.00	56.3	12.54	55.9	12.89	55.7	13.08	55.7	13.13	55.7	13.57	55.7	13.84	
13.00	57.9	12.78	57.9	13.13	57.8	13.33	57.8	13.38	57.3	13.82	56.7	14.08	
15.00	59.7	13.00	59.5	13.36	59.5	13.56	59.5	13.61	57.9	14.06	56.7	13.80	
120%	-19.80	20.2	8.48	20.2	9.02	20.2	9.18	20.2	9.46	20.2	9.91	20.2	10.61
	-18.80	24.1	8.79	24.1	9.22	24.1	9.38	24.1	9.73	24.1	10.19	24.1	11.04
	-16.70	27.5	9.05	27.5	9.49	27.5	9.65	27.5	10.00	27.5	10.40	27.5	11.32
	-14.70	31.6	9.30	31.6	9.75	31.6	9.92	31.6	10.21	31.6	10.81	31.6	11.75
	-12.60	34.0	9.49	34.0	9.95	34.0	10.13	34.0	10.62	34.0	11.09	34.0	12.17
	-10.50	35.1	9.87	35.1	10.35	35.1	10.53	35.1	10.89	35.1	11.51	35.1	12.38
	-9.50	37.5	10.12	37.5	10.61	37.5	10.80	37.5	11.30	37.5	11.92	37.5	12.57
	-8.50	38.9	10.50	38.9	11.01	38.9	11.21	38.9	11.71	38.9	12.13	38.9	12.67
	-7.00	40.5	10.88	40.5	11.41	40.5	11.61	40.5	11.91	40.5	12.31	40.5	12.88
	-5.00	42.4	11.07	42.4	11.61	42.4	11.81	42.4	12.09	42.4	12.41	42.4	13.16
	-3.00	43.8	11.24	43.8	11.78	43.8	11.99	43.8	12.18	43.8	12.62	43.8	13.33
	0.00	46.5	11.33	46.5	11.87	46.5	12.09	46.5	12.39	46.5	12.89	46.5	13.52
	3.00	49.0	11.52	49.0	12.07	49.0	12.29	49.0	12.66	49.0	13.06	49.0	13.66
	5.00	50.8	11.77	50.8	12.34	50.8	12.56	50.8	12.82	50.8	13.24	50.8	13.91
	7.00	52.5	11.92	52.5	12.50	52.5	12.72	52.5	13.00	52.5	13.38	52.5	14.15
9.00	54.1	12.08	54.1	12.67	54.1	12.90	54.1	13.13	54.1	13.63	52.5	13.87	
11.00	55.7	12.21	55.7	12.80	55.7	13.03	55.7	13.38	55.7	13.86	52.5	13.69	
13.00	57.9	12.44	57.8	13.04	57.6	13.27	57.6	13.61	55.7	13.59	52.5	13.30	
15.00	59.7	12.65	59.5	13.27	59.2	13.50	59.0	13.34	55.7	13.41	52.5	12.60	
110%	-19.80	20.2	9.11	20.2	10.07	20.2	10.31	20.2	10.36	20.2	10.81	20.2	11.39
	-18.80	24.1	9.31	24.1	10.35	24.1	10.52	24.1	10.77	24.1	11.09	24.1	11.80
	-16.70	27.5	9.58	27.5	10.56	27.5	10.94	27.5	11.05	27.5	11.51	27.5	12.00
	-14.70	31.6	9.84	31.6	10.98	31.6	11.22	31.6	11.46	31.6	11.92	31.6	12.18
	-12.60	34.0	10.05	34.0	11.26	34.0	11.64	34.0	11.88	34.0	12.13	34.0	12.28
	-10.50	35.1	10.45	35.1	11.69	35.1	12.06	35.1	12.08	35.1	12.31	35.1	12.48
	-9.50	37.5	10.72	37.5	12.11	37.5	12.27	37.5	12.26	37.5	12.41	37.5	12.76
	-8.50	38.9	11.12	38.9	12.32	38.9	12.46	38.9	12.36	38.9	12.62	38.9	12.92
	-7.00	40.5	11.52	40.5	12.50	40.5	12.55	40.5	12.57	40.5	12.89	40.5	13.10
	-5.00	42.4	11.72	42.4	12.60	42.4	12.76	42.4	12.84	42.4	13.06	42.4	13.24
	-3.00	43.8	11.89	43.8	12.81	43.8	13.04	43.8	13.01	43.8	13.24	43.8	13.49
	0.00	46.5	11.99	46.5	13.09	46.5	13.21	46.5	13.19	46.5	13.38	46.5	13.72
	3.00	49.0	12.19	49.0	13.26	49.0	13.40	49.0	13.33	49.0	13.63	49.0	13.45
	5.00	50.8	12.46	50.8	13.45	50.8	13.54	50.8	13.57	50.8	13.86	49.0	13.27
	7.00	52.5	12.62	52.5	13.59	52.5	13.79	52.5	13.81	50.8	13.59	49.0	12.90
9.00	54.1	12.79	54.1	13.84	54.1	14.03	52.5	13.53	50.8	13.41	49.0	12.21	
11.00	56.3	12.93	55.9	14.08	54.1	13.75	52.5	13.35	50.8	13.03	49.0	12.00	
13.00	57.9	13.17	57.8	13.80	54.1	13.56	52.5	12.98	50.8	12.34	49.0	11.91	
15.00	58.9	13.39	58.4	13.62	54.1	13.18	52.5	12.29	50.8	12.13	49.0	11.69	

GMV-Pdm450W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW		kW		kW		kW		kW		kW	
100%	-19.80	20.2	9.94	20.0	10.48	20.0	11.50	20.0	11.83	20.0	11.87	19.8	12.19
	-18.80	24.1	10.22	24.0	10.90	24.0	11.93	24.0	12.27	24.0	12.30	23.8	12.40
	-16.70	27.5	10.42	27.5	11.18	27.5	12.36	27.5	12.47	27.5	12.51	27.3	12.58
	-14.70	31.6	10.84	31.6	11.60	31.5	12.57	31.6	12.69	31.6	12.70	31.4	12.68
	-12.60	34.0	11.12	34.0	12.02	33.9	12.76	34.0	12.88	34.0	12.80	33.8	12.90
	-10.50	35.1	11.54	35.1	12.23	35.0	12.86	35.1	12.98	35.1	13.01	34.9	13.18
	-9.50	37.5	11.95	37.5	12.41	37.5	13.08	37.5	13.07	37.5	13.30	37.3	13.35
	-8.50	38.9	12.16	38.9	12.51	39.0	13.36	38.9	13.36	38.9	13.47	38.3	13.53
	-7.00	40.5	12.34	40.5	12.71	40.5	13.54	40.5	13.53	40.5	13.65	40.3	13.67
	-5.00	42.4	12.44	42.4	12.99	42.4	13.72	42.4	13.72	42.4	13.80	42.1	13.93
	-3.00	43.8	12.65	43.8	13.16	43.7	13.87	43.8	13.86	43.8	14.05	43.7	14.17
	0.00	46.5	12.93	46.5	13.34	46.5	14.13	46.5	14.09	46.5	14.30	43.7	13.89
	3.00	49.0	13.09	49.0	13.48	49.0	14.37	48.4	14.08	46.8	14.01	43.7	13.70
	5.00	50.8	13.27	50.8	13.73	50.0	14.08	48.4	13.80	46.8	13.83	43.7	13.32
	7.00	52.5	13.41	52.4	13.97	50.0	13.90	48.4	13.62	46.8	13.44	43.7	12.61
9.00	54.1	13.66	52.4	13.69	50.0	13.51	48.4	13.24	46.8	12.72	43.7	12.40	
11.00	55.9	13.90	52.4	13.51	50.0	12.79	48.4	12.53	46.8	12.51	43.7	12.30	
13.00	56.3	13.62	52.4	13.13	50.0	12.57	48.4	12.38	46.8	12.34	43.7	12.07	
15.00	56.3	13.44	52.4	12.44	50.0	12.47	48.4	12.22	46.8	12.18	43.7	11.62	
90%	-19.80	20.2	10.83	20.0	11.57	20.0	12.00	20.0	12.41	20.0	12.38	19.8	12.60
	-18.80	24.1	11.11	24.0	11.99	24.0	12.21	24.0	12.62	24.0	12.57	23.8	12.81
	-16.70	27.5	11.52	27.5	12.19	27.5	12.39	27.5	12.81	27.5	12.67	27.3	13.09
	-14.70	31.6	11.94	31.6	12.38	31.4	12.49	31.4	12.91	31.6	12.88	31.4	13.26
	-12.60	34.0	12.15	34.0	12.47	34.0	12.70	34.0	13.00	34.0	13.16	33.8	13.45
	-10.50	35.1	12.33	35.1	12.68	35.1	12.98	35.1	13.29	35.1	13.33	34.9	13.59
	-9.50	37.5	12.42	37.5	12.96	37.5	13.14	37.5	13.46	37.5	13.52	37.3	13.84
	-8.50	38.9	12.63	38.9	13.13	39.0	13.33	39.0	13.65	38.9	13.66	38.3	14.08
	-7.00	40.5	12.91	40.5	13.31	40.5	13.47	40.5	13.79	40.5	13.91	38.3	13.80
	-5.00	42.4	13.08	42.4	13.45	42.4	13.72	42.4	14.02	42.4	14.15	38.3	13.62
	-3.00	43.8	13.26	43.8	13.70	43.8	13.95	43.8	14.01	42.4	13.87	38.3	13.24
	0.00	46.5	13.40	46.5	13.94	45.1	13.68	43.8	13.73	42.4	13.69	38.3	12.53
	3.00	49.0	13.65	49.0	13.66	45.1	13.49	43.8	13.55	42.4	13.30	38.3	12.32
	5.00	49.5	13.88	49.0	13.48	45.1	13.12	43.8	13.17	42.4	12.60	38.3	12.22
	7.00	50.8	13.60	49.0	13.10	45.1	12.42	43.8	12.47	42.4	12.38	38.3	12.00
9.00	50.8	13.42	49.0	12.40	45.1	12.21	43.8	12.26	42.4	12.28	38.3	11.55	
11.00	50.8	13.05	49.0	12.19	45.1	12.11	43.8	12.16	42.4	12.06	38.3	11.05	
13.00	50.8	12.35	49.0	12.10	45.1	11.89	43.8	11.94	42.4	11.61	38.3	10.67	
15.00	50.8	12.15	49.0	11.87	45.1	11.44	43.8	11.49	42.4	11.11	38.3	10.31	
80%	-19.80	20.2	11.92	20.0	12.16	20.0	12.39	20.0	12.52	20.0	12.75	19.8	13.06
	-18.80	24.1	12.13	24.0	12.34	24.0	12.49	24.0	12.73	24.0	13.03	23.8	13.23
	-16.70	27.5	12.31	27.5	12.44	27.5	12.70	27.5	13.01	27.5	13.20	27.3	13.41
	-14.70	31.6	12.41	31.6	12.65	31.4	12.98	31.4	13.18	31.6	13.38	31.4	13.55
	-12.60	34.0	12.62	34.0	12.93	34.0	13.14	34.0	13.36	34.0	13.52	33.8	13.81
	-10.50	35.1	12.89	35.1	13.09	35.1	13.33	35.1	13.50	35.1	13.77	34.9	14.04
	-9.50	37.5	13.06	37.5	13.27	37.5	13.47	37.5	13.75	37.5	14.01	34.9	13.76
	-8.50	38.9	13.24	38.9	13.41	39.0	13.72	39.0	13.99	37.5	13.73	34.9	13.58
	-7.00	40.5	13.38	40.5	13.66	40.5	13.95	39.0	13.71	37.5	13.55	34.9	13.20
	-5.00	42.4	13.63	42.4	13.90	40.5	13.68	39.0	13.53	37.5	13.17	34.9	12.50
	-3.00	43.8	13.86	42.4	13.62	40.5	13.49	39.0	13.15	37.5	12.47	34.9	12.29
	0.00	46.5	13.59	42.4	13.44	40.5	13.12	39.0	12.45	37.5	12.26	34.9	12.19
	3.00	46.5	13.41	42.4	13.07	40.5	12.42	39.0	12.24	37.5	12.16	34.9	11.97
	5.00	46.5	13.03	42.4	12.37	40.5	12.21	39.0	12.14	37.5	11.94	34.9	11.52
	7.00	46.5	12.34	42.4	12.16	40.5	12.11	39.0	11.92	37.5	11.49	34.9	11.02
9.00	46.5	12.13	42.4	12.07	40.5	11.89	39.0	11.47	37.5	11.00	34.9	10.65	
11.00	46.5	12.03	42.4	11.84	40.5	11.44	39.0	10.98	37.5	10.62	34.9	10.28	
13.00	46.5	11.81	42.4	11.40	40.5	10.95	39.0	10.60	37.5	10.25	34.9	9.97	
15.00	46.5	11.37	42.4	10.91	40.5	10.58	39.0	10.24	37.5	9.95	34.9	9.55	

DC Inverter Multi VRF Technical Sales Guide

GMV-Pdm450W/NaB-M

Q—Total capacity ; P— Power Input (Compressor + Outdoor fan motor)

Combination (%)	Outdoor air temp.(°C DB)	Indoor air temp. (°C WB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.80	19.7	12.52	19.7	12.98	19.7	13.09	19.7	13.24	19.7	13.27	19.7	13.49
	-18.80	23.2	12.73	23.2	13.14	23.2	13.27	23.0	13.38	23.0	13.52	23.0	13.72
	-16.70	26.7	13.01	26.7	13.33	26.7	13.41	26.5	13.63	26.5	13.76	24.1	13.45
	-14.70	27.1	13.18	27.1	13.47	27.1	13.66	27.1	13.86	26.5	13.48	24.1	13.27
	-12.60	32.5	13.36	32.5	13.72	32.5	13.90	27.1	13.59	26.5	13.30	24.1	12.90
	-10.50	37.0	13.50	37.0	13.95	32.5	13.62	27.1	13.41	26.5	12.93	24.1	12.21
	-9.50	37.1	13.75	37.1	13.68	32.5	13.44	27.1	13.03	26.5	12.24	24.1	12.00
	-8.50	38.7	13.99	37.1	13.49	32.5	13.07	27.1	12.34	26.5	12.04	24.1	11.91
	-7.00	38.7	13.71	37.1	13.12	32.5	12.37	27.1	12.13	26.5	11.94	24.1	11.69
	-5.00	38.7	13.53	37.1	12.42	32.5	12.16	27.1	12.03	26.5	11.72	24.1	11.25
	-3.00	38.7	13.15	37.1	12.21	32.5	12.07	27.1	11.81	26.5	11.28	24.1	10.77
	0.00	38.7	12.45	37.1	12.11	32.5	11.84	27.1	11.37	26.5	10.80	24.1	10.40
	3.00	38.7	12.24	37.1	11.89	32.5	11.40	27.1	10.88	26.5	10.43	24.1	10.04
	5.00	38.7	12.14	37.1	11.44	32.5	10.91	27.1	10.51	26.5	10.07	24.1	9.74
	7.00	38.7	11.92	37.1	10.95	32.5	10.54	27.1	10.15	26.5	9.77	24.1	9.33
	9.00	38.7	11.47	37.1	10.58	32.5	10.17	27.1	9.84	26.5	9.35	24.1	8.92
11.00	38.7	10.98	37.1	10.21	32.5	9.87	27.1	9.43	26.5	8.94	24.1	8.44	
13.00	38.7	10.60	37.1	9.91	32.5	9.45	27.1	9.01	26.5	8.46	24.1	8.77	
15.00	38.7	10.24	37.1	9.49	32.5	9.03	27.1	8.53	26.5	8.79	24.1	8.51	
60%	-19.80	19.7	13.38	19.7	13.24	19.5	13.38	19.5	13.50	19.0	13.18	17.8	12.46
	-18.80	22.5	13.52	22.5	13.49	20.8	13.61	20.6	13.23	19.0	12.91	17.8	12.21
	-16.70	26.2	13.77	25.9	13.72	22.5	13.34	20.6	13.06	19.0	12.74	17.8	12.04
	-14.70	30.3	14.01	30.3	13.45	22.5	13.16	20.6	12.69	19.0	12.39	17.8	11.71
	-12.60	33.8	13.73	30.3	13.27	22.5	12.79	20.6	12.02	19.0	11.73	17.8	11.09
	-10.50	33.8	13.55	30.3	12.90	22.5	12.11	20.6	11.81	19.0	11.53	17.8	10.90
	-9.50	33.8	13.17	30.3	12.21	22.5	11.91	20.6	11.72	19.0	11.44	17.8	10.81
	-8.50	33.8	12.47	30.3	12.00	22.5	11.81	20.6	11.50	19.0	11.23	17.8	10.61
	-7.00	33.8	12.26	30.3	11.91	22.5	11.60	20.6	11.07	19.0	10.81	17.8	10.21
	-5.00	33.8	12.16	30.3	11.69	22.5	11.16	20.6	10.60	19.0	10.34	17.8	9.78
	-3.00	33.8	11.94	30.3	11.25	22.5	10.68	20.6	10.24	19.0	9.99	17.8	9.44
	0.00	33.8	11.49	30.3	10.77	22.5	10.32	20.6	9.88	19.0	9.65	17.8	9.12
	3.00	33.8	11.00	30.3	10.40	22.5	9.96	20.6	9.59	19.0	9.36	17.8	8.84
	5.00	33.8	10.62	30.3	10.04	22.5	9.66	20.6	9.18	19.0	8.96	17.8	8.47
	7.00	33.8	10.25	30.3	9.74	22.5	9.26	20.6	8.78	19.0	8.57	17.8	8.10
	9.00	33.8	9.95	30.3	9.33	22.5	8.85	20.6	8.30	19.0	8.10	17.8	7.66
11.00	33.8	9.53	30.3	8.92	22.5	8.37	20.6	8.63	19.0	8.42	17.8	7.96	
13.00	33.8	9.11	30.3	8.44	22.5	8.70	20.6	8.37	19.0	8.17	17.8	7.72	
15.00	33.8	8.62	30.3	8.77	22.5	8.44	20.6	8.10	19.0	7.91	17.8	7.47	
50%	-19.80	19.2	13.45	17.6	13.09	17.3	12.74	16.5	12.20	16.2	11.81	14.9	11.41
	-18.80	19.2	13.27	17.6	12.93	17.3	12.56	16.5	12.04	16.2	11.64	14.9	11.26
	-16.70	19.2	12.89	17.6	12.56	17.3	12.22	16.5	11.72	16.2	11.32	14.9	10.94
	-14.70	19.2	12.20	17.6	11.90	17.3	11.57	16.5	11.08	16.2	10.72	14.9	10.36
	-12.60	19.2	12.00	17.6	11.70	17.3	11.37	16.5	10.90	16.2	10.54	14.9	10.18
	-10.50	19.2	11.68	17.6	11.37	17.3	11.28	16.5	10.81	16.2	10.45	14.9	10.11
	-9.50	19.2	11.25	17.6	10.87	17.3	11.07	16.5	10.60	16.2	10.25	14.9	9.91
	-8.50	19.2	10.65	17.6	10.60	17.3	10.65	16.5	10.11	16.2	9.86	14.9	9.53
	-7.00	19.2	10.40	17.6	10.11	17.3	10.11	16.5	9.77	16.2	9.44	14.9	9.13
	-5.00	19.2	10.04	17.6	9.78	17.3	9.84	16.5	9.41	16.2	9.12	14.9	8.66
	-3.00	19.2	9.73	17.6	9.41	17.3	9.51	16.5	9.12	16.2	8.70	14.9	8.48
	0.00	19.2	9.33	17.6	8.94	17.3	9.22	16.5	8.83	16.2	8.57	14.9	8.25
	3.00	19.2	8.92	17.6	8.57	17.3	8.66	16.5	8.36	16.2	8.18	14.9	7.76
	5.00	19.2	8.44	17.6	8.09	17.3	8.45	16.5	8.09	16.2	7.82	14.9	7.56
	7.00	19.2	7.80	17.6	7.74	17.3	7.98	16.5	7.65	16.2	7.40	14.9	7.15
	9.00	19.2	7.49	17.6	7.18	17.3	7.08	16.5	6.79	16.2	6.55	14.9	6.34
11.00	19.2	7.11	17.6	6.84	17.3	6.68	16.5	6.34	16.2	6.14	14.9	5.96	
13.00	19.2	6.86	17.6	6.43	17.3	6.64	16.5	6.23	16.2	6.02	14.9	5.81	
15.00	19.2	6.32	17.6	6.16	17.3	6.14	16.5	5.99	16.2	5.78	14.9	5.58	

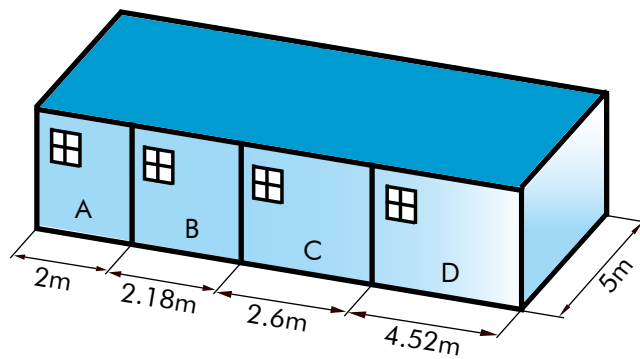
4.3.3 Operating temperature range

100-160		224-1800	
Range Model	Outdoor temperature range °C (°F)	Range Model	Outdoor temperature range °C (°F)
Cooling	10~48°C (50~118. 4 °F)	Cooling	-15~48°C (5~118. 4 °F)
Heating	-20~27°C (-4~81 °F)	Heating	-20~27°C (-4~81 °F)

4.4 Example of Equipment Selection

The steps for heating and cooling are the same, and the followings are for cooling.

4.4.1 Determine the required load for the conditioned room



Temperature conditions

Outdoor Temperature: 37°C DB; Indoor Temperature: 30°C DB, 22°C WB

Determine the required cooling load

	Room A	Room B	Room C	Room D
Required Load(kW)	2.3	2.5	3.0	5.2

4.4.2 Select the indoor unit

Work out the correction factor in accordance with the equivalent length of the connection pipe and the high difference from the local indoor unit to the outdoor unit.

	Room A	Room B	Room C	Room D
Equivalent Length of the Connecting Pipe(m)	20	15	17	39
Height Difference(m)	0	0	0	0
Correction Factor	0.97	0.98	0.98	0.93

Work out the calculated load: Required Load ÷ Correction Factor

	Room A	Room B	Room C	Room D
Required Load (kW)	2.3	2.5	3.0	5.2
Correction Factor	0.97	0.98	0.98	0.93
Calculated Load (kW)	2.37	2.55	3.06	5.59

Select the indoor unit in accordance with the ambient temperature and the calculated load.

Note: Capacity of the Indoor Unit under the Specified Ambient Temperature \geq Calculated Load

	Room A	Room B	Room C	Room D
Calculated Load (kW)	2.37	2.55	3.06	5.59
Selected Indoor Unit	28	28	36	56

4.4.3 Select the outdoor unit

Calculate the capacity of the outdoor unit, which is equal to the total capacity of the selected indoor units.

Capacity ratio indicates the ratio of the rated capacity of the indoor unit and the outdoor unit, which should be among 50%~135%. If the capacity ratio is too large, then it means that the capacity outdoor unit is comparatively a little small and cooling efficiency would be reduced when all indoor units runs, however it can save more energy.

Calculated Load of the Outdoor Unit \div Capacity Ratio of the Indoor and Outdoor Units=14.8Kw, so the outdoor unit GMV-Pd160W/NaB-K is referred, with the normal cooling capacity of 16kw.

	Room A	Room B	Room C	Room D
Selected Indoor Unit	28	28	36	56
Calculated Load of the Outdoor Unit	$=2.8+2.8+3.6+5.6=14.8$			
Capacity Ratio of the Indoor and Outdoor Units	100%			
Selected Outdoor Unit	160			

4.4.4 Check the selected the indoor and outdoor units

Capacity Ratio of the Indoor and Outdoor Units = Total Capacity of the Selected Indoor Units \div Capacity of the selected Outdoor Unit =92.5%

According to the selected outdoor unit, capacity ratio of the indoor and outdoor units and also the ambient temperature, it works out that the actual output capacity of the outdoor unit is 14.5kw

Actual Capacity of the Indoor Unit = Total Capacity of the Selected Indoor Units \times [Capacity of the Outdoor Unit \div Total Capacity of the Indoor Units] \times Correction Factor

	Room A	Room B	Room C	Room D
Outdoor Unit	160			
Capacity Ratio of the Indoor and Outdoor Units	92.5%			
Actual Output Capacity of the Outdoor Unit (kW)	14.5			
Indoor Unit	28	28	36	56
Actual Capacity of the Indoor Unit (kW)	2.66	2.68	3.46	5.1
Required Load (kW)	2.3	2.5	3.0	5.2

Comparing the actual capacity of the indoor unit and the required load for the conditioned room, it is acceptable if the former is close to or greater than the later. Then, the selection is finished.

	Room A	Room B	Room C	Room D
Indoor Unit	28	28	36	56
Actual Capacity of the Indoor Unit (kW)	2.66	2.68	3.46	5.1
Required Load (kW)	2.3	2.5	3.0	5.2

5 REFRIGERANT PIPING DESIGN

5.1 Warning on Refrigerant Leakage

The room in which the air conditioner is to be installed requires a design that in the event of refrigerant gas leaking out, its concentration will not exceed a set limit.

The refrigerant R410A which is used in the air conditioner is safe, without the toxicity or combustibility of ammonia. However, since it contains more than air, it poses the risk of suffocation if its concentration should rise excessively. Suffocation from leakage of R410A is almost non-existent. With the recent increase in the number of high concentration buildings, the installation of multi air conditioner systems is on the increase because of the need for effective use of floor space, individual control, energy conservation by curtailing heat and carrying power etc.

Most importantly, the multi air conditioner system is able to replenish a large amount of refrigerant compared with conventional individual air conditioners. If a single unit of the multi conditioner system is to be installed in a small room, select a suitable model and installation procedure so that if the refrigerant accidentally leaks out, its concentration does not reach the limit (and in the event of an emergency, measures can be made before injury can occur).

In a room where the concentration may exceed the limit, create an opening with adjacent rooms, or install mechanical ventilation combined with a gas leak detection device.

5.1.1 The Concentration Limit of R410A Which is Used in Multi Air Conditioners

The concentration limit of R410A which means the concentration limit of R410A that can be control by emergency measures to prevent human body from harming. The refrigerant concentration unit is kg/m³ (Which means the weight of refrigerant per m³ air).

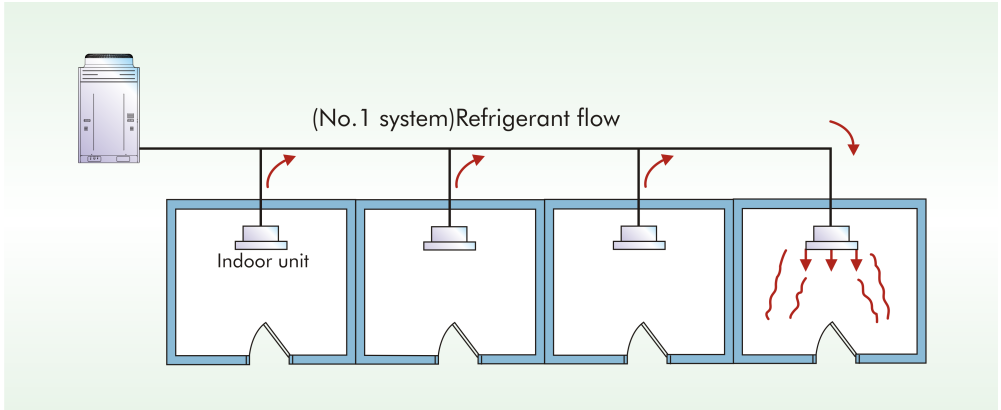


Fig.5.1

5.1.2 Check of Refrigerant Leakage

Calculate the refrigerant concentration as follows:

① Calculate the Amount of Refrigerant of Each Refrigeration System

The amount of refrigerant of each system of outdoor unit [Refrigerant amount of the outdoor unit at ex-factory]	+	Additional charged amount at field installation [According to the liquid tube length and diameter]
=System total amount of refrigerant(kg)		

NOTE:

When single refrigeration system is consists of several independent refrigeration circuit, figure out the total refrigerant amount by each independent refrigerant circuit
 For the amount of charge in this example:

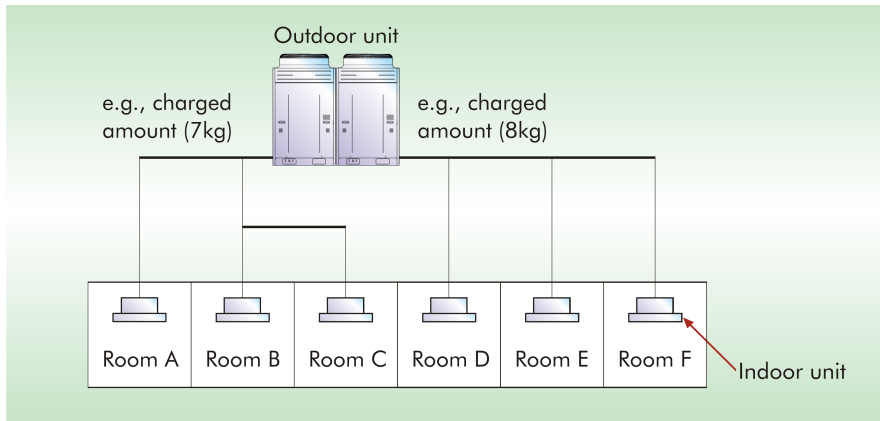


Fig.5.2

The possible amount of leaked refrigerant gas in rooms A, B and C is 7kg.
 The possible amount of leaked refrigerant gas in rooms D, E and F is 8kg.

② Calculate the Minimum Room Volume are as Follows

- ◆ No partition (shaded portion)

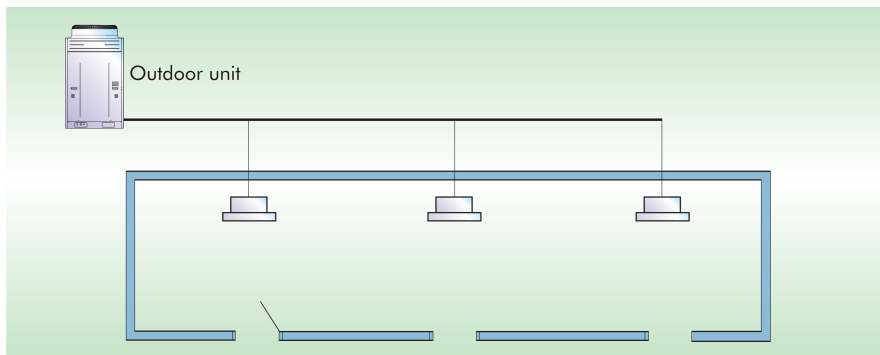


Fig.5.3

- ◆ When there is an effective opening with the adjacent room for ventilation of leaking refrigerant gas (opening with a door, or an opening 0.15% or larger than the respective floor spaces at the top or bottom of the door).

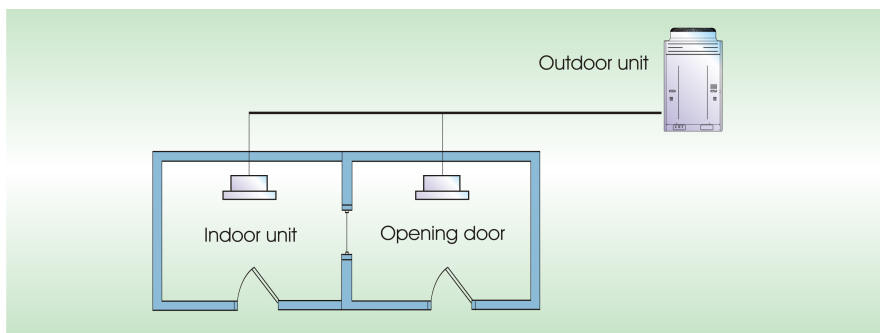


Fig.5.4

◆ If an indoor unit is installed in each partitioned room and the refrigerant tubing is interconnected, the smallest room of course becomes the object.

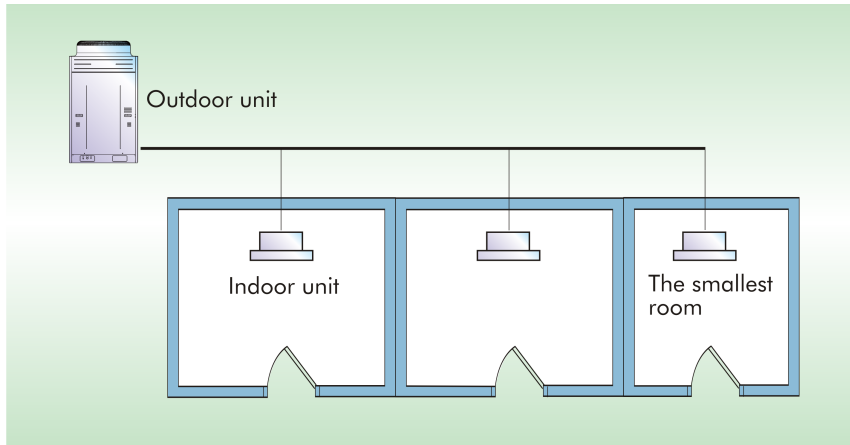


Fig.5.5

The concentration limit of R410A which is used in multi air conditioners is 0.3kg/m

③ Use the results of calculations ① and ② to calculate the refrigerant concentration:

The concentration is as given below.

$$\frac{\text{Total amount of refrigerant(kg)}}{\text{Min.volume of the indoor unit installed room(m}^3\text{)}} \leq \text{Concentration limit (kg/m}^3\text{)}$$

5.1.3 Measures When The Refrigerant Concentration Limit is Exceeded(JRA-GL 13-1998)

When the refrigerant concentration exceeds the density limit value relative to indoor volume, take proper actions according to following key points:

- ◆ **Method 1:** Set up an opening for efficient air exchange opening with a door, or an opening 0.15% or larger than the respective floor spaces at the top or bottom of the door.
- ◆ **Method 2:** Decrease the total amount of refrigerant in refrigerant equipment.

Shorten the Length of Refrigerant Pipe

Install the outdoor unit closer to the indoor unit and shorten the length of refrigerant pipe, hence to decrease the total amount of refrigerant in refrigerant equipment.

Decrease the Capacity of Outdoor Unit

Split the outdoor unit into multiple sets, thus decreasing the capacity of each outdoor unit to which one refrigerant system corresponds and hence to decrease the filling amount of refrigerant.

For example: If one 10HP system is split into 2 sets of 5HP systems, the amount of refrigerant in one refrigerant system may be half decreased approximately.

- ◆ **Method 3:** Set up an air exchange system.

An air exchange system can be set to avoid too high concentration of refrigerant in event of refrigerant leakage.

The air exchange system includes two types, i.e. external air import and air discharge. From the property of refrigerant, it is recommended to adopt the external air import.

Exchanging Air Volume

According to the total amount of refrigerant of refrigerant equipment and the room volume, air exchange volume should be greater than the volume showed in Fig.5.6.

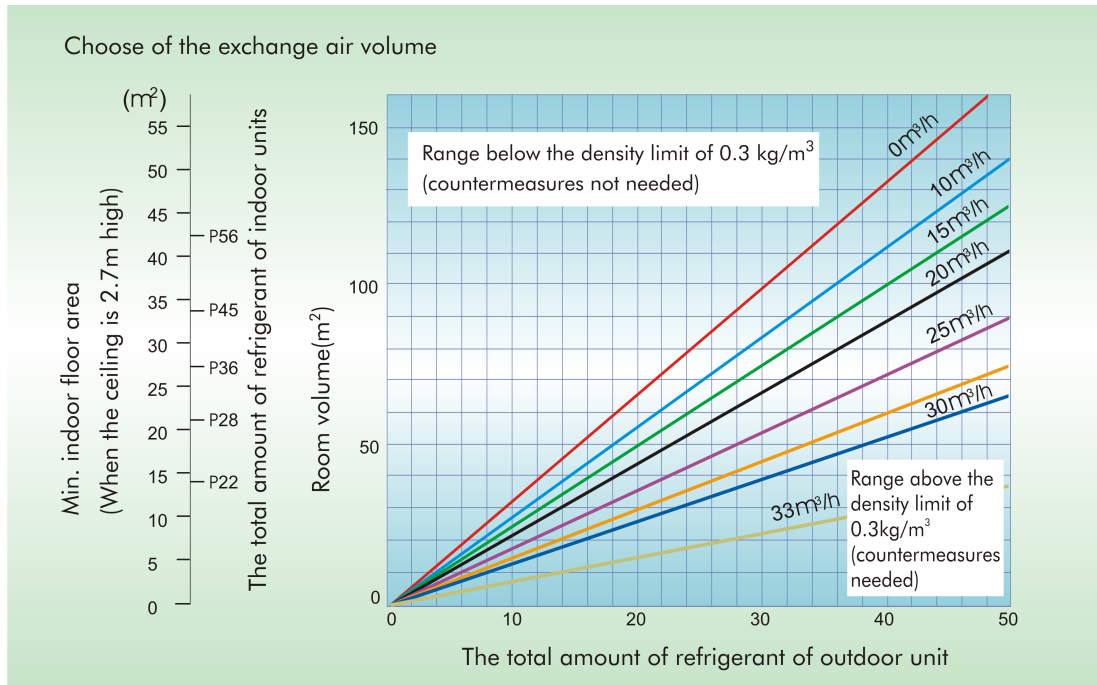


Fig.5.6

Detector and Interlink

In principle, the air exchange system shall always work normally no matter the air conditioner is used or any person stays in the room. If it is impossible to realize long-term working, please use a detector system to activate the air exchange system upon leakage of refrigerant.

Shown in Fig. 5.7 is the air exchange system in long-term working. Shown in Fig. 5.8 is the detector interlink system.

NOTE:

- (a) In order to avoid malfunction of air exchange system, please do not choose the range showed in oblique line in Fig. 5.6 even though equipped with air exchange system. If entering into this range, should set effective air exchange port, expand room volume or decrease the amount of outdoor unit, change the piping length in order to decrease total refrigerant amount, in principle according to method 1 and 2.
- (b) Where an air exchange system is provided but it is impossible to take Method 1 or Method 2 when the refrigerant concentration is within the range indicated by the oblique line in Fig. 5.6, please use other means independent from air exchange system to ensure safety. In detail, we can set a refrigerant cutoff valve that can be activated by the detector upon refrigerant leakage and as well, set an alarm system that can notify the indoor person. The detector here is different from the detector in aforementioned air exchange system. Shown in Fig. 5.9 is the status that a refrigerant cutoff valve is set.
- (c) To set an air exchange system, please ensure to leave an efficient air exchange gap (e.g. gap below the door) at the lowest part of the room.
- (d) For connection of pipes within living area, please make sure to comply with JIS specification and perform thorough airtight test after the work is completed. Additionally, please ensure that the pipe is installed with shockproof device to avoid damage due to earthquake or the other external forces. (But on axial direction, a leeway shall be left to eliminate the stress caused by temperature variation).

Long Term Working Air Exchange System

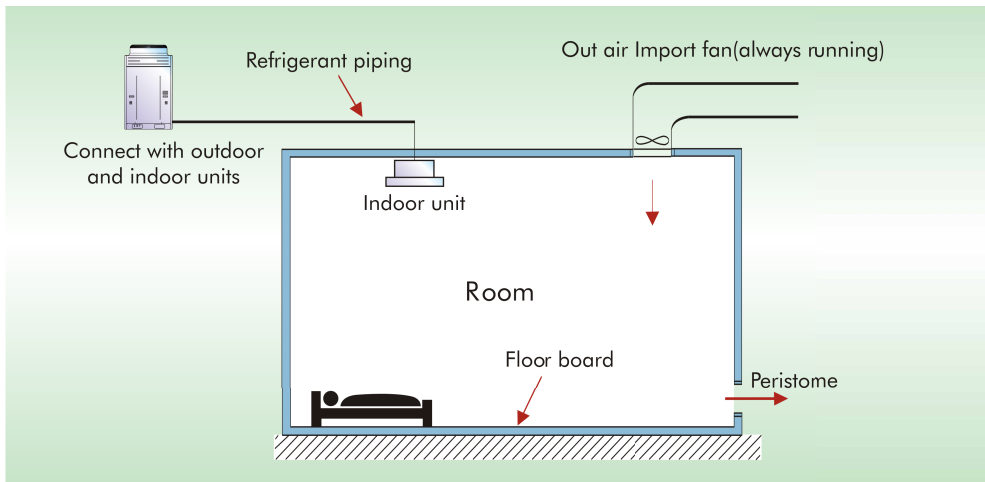


Fig.5.7

Detector Interlink System

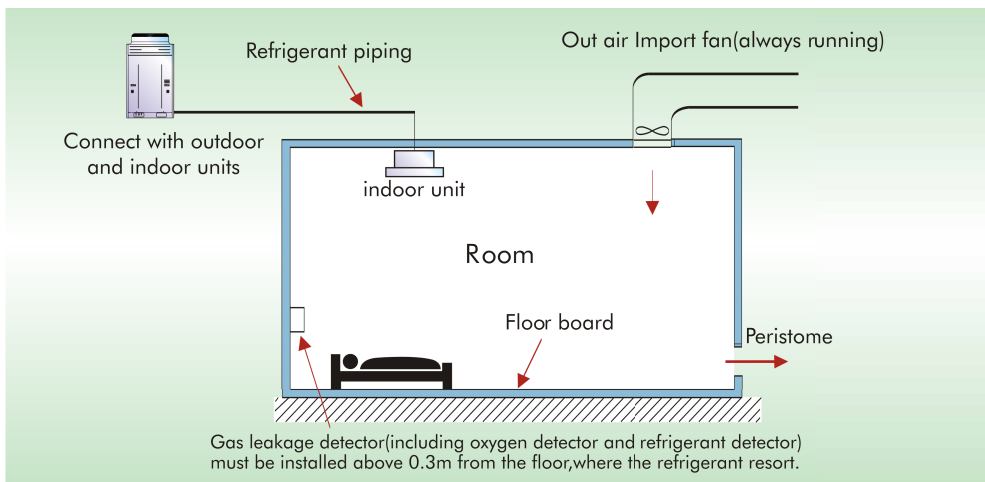


Fig.5.8

Position of Long Term Running Ventilation System and Refrigerant Cut-off Valve

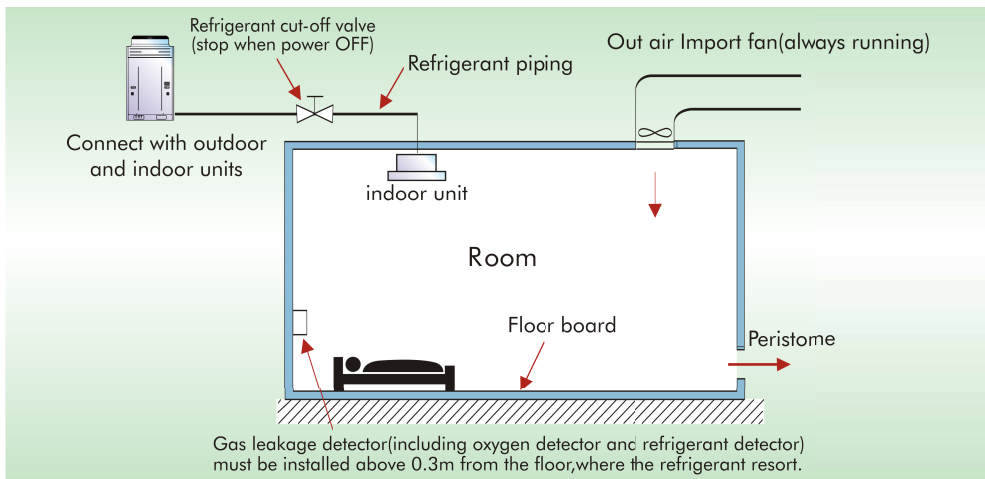
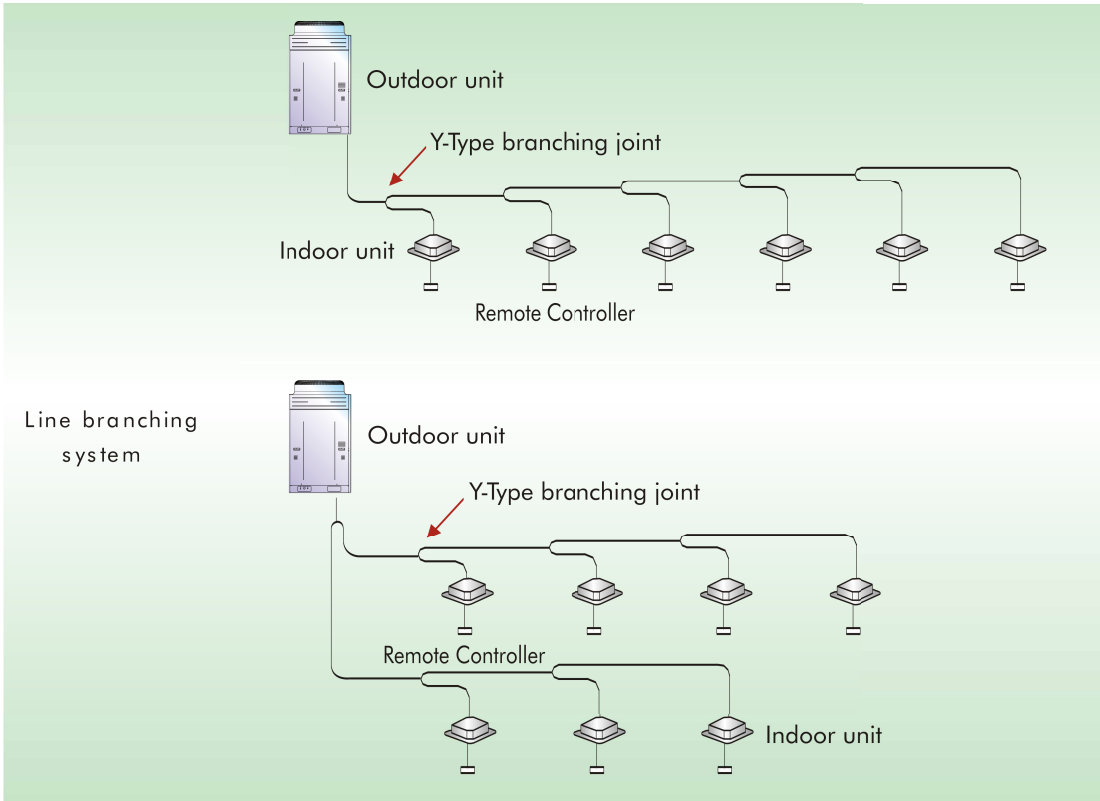


Fig.5.9

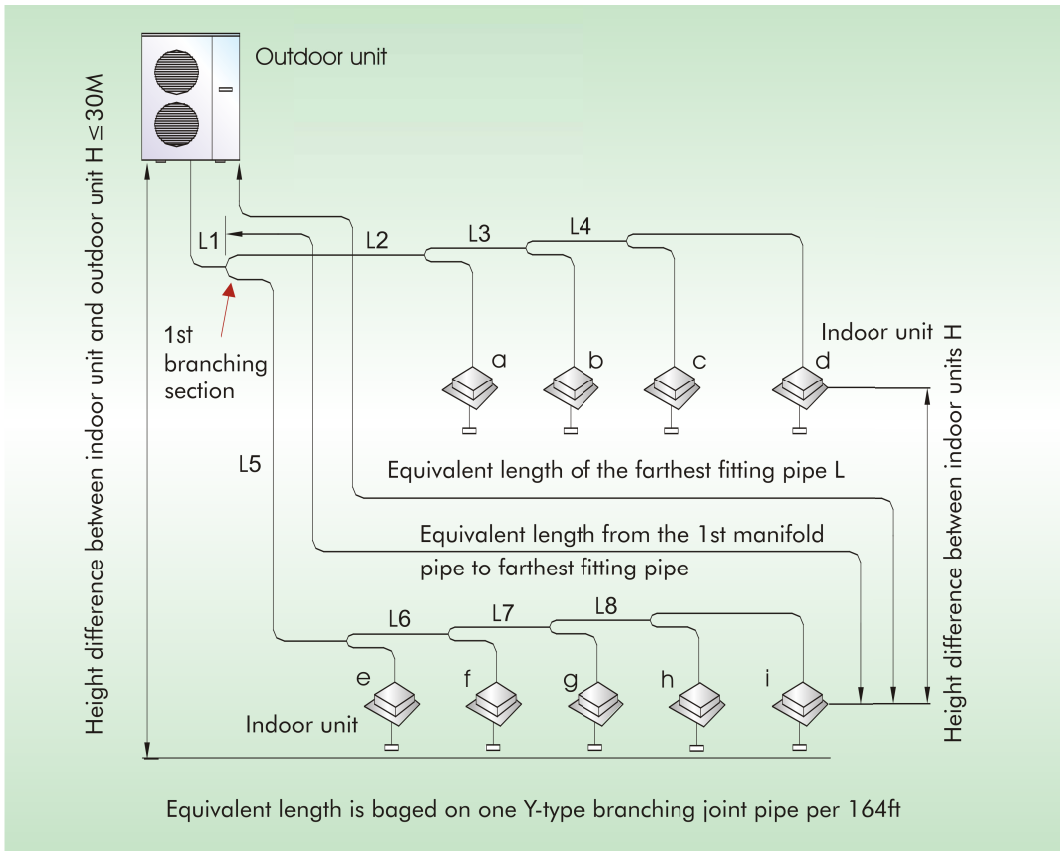
➔ 5.2 Free Branching System



➔ 5.3 Allowable Length/Height Difference of Refrigerant Piping

GMV-Pd100W/NaB-K, GMV-Pd120W/NaB-K, GMV-Pd140W/NaB-K, GMV-Pd160W/NaB-K

		All owable Value	Fitting Pipe
Total length (actual length) of fitting pipe (m/ft)		150m/492.12ft	$L1+L2+... +L7+L8+a+b+... +h+i$
Length of farthest fitting pipe (m/ft)	Actual length	70m/229.65ft	$L1+L5+L6+L7+L8+i$
	Equivalent length	80m/262.46ft	
Equivalent length from the 1 st manifold pipe to farthest fitting pipe (m/ft)		25m/82.02ft	$L5+L6+L7+L8+i$
Drop height between indoor unit and outdoor unit	Outdoor unit at upper	30m/98.42ft	—
	Outdoor unit at lower	25m/82.02ft	—
Drop height between indoor unit and outdoor unit		10m/32.80ft	—

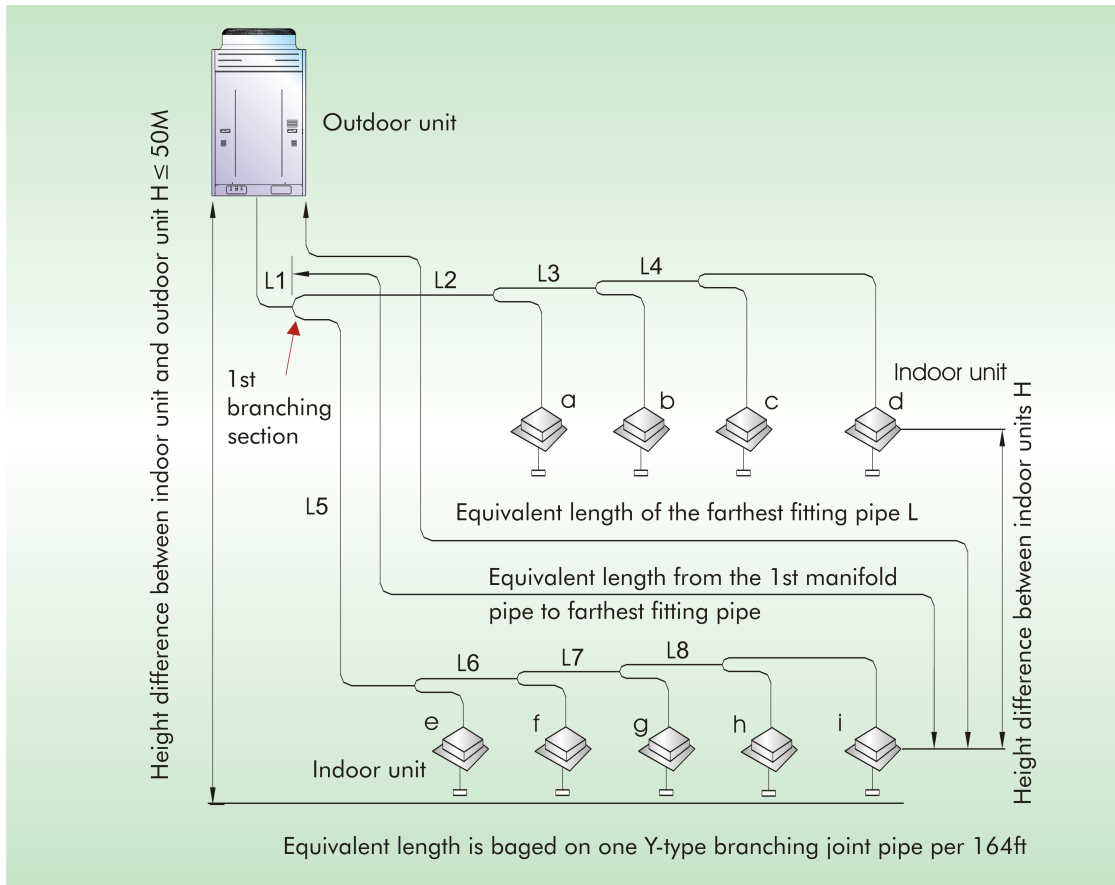


Units with capacity between 20kW and 60 kW

		All owable Value	Fitting Pipe
Total length (actual length) of fitting		300m	$L1+L2+L3+L4+L5+L6+a+b+... +i+j$
Length of farthest fitting	Actual length	100m	$L1+L3+L4+L5+L6+j$
	Equivalent length	125m	
length from the first branch to the furthest piping		40m	$L3+L4+L5+L6+j$
Height difference between outdoor unit and indoor unit	Outdoor unit at upper	50m	—
	Outdoor unit at lower	40m	—
Height difference between indoor units(m)		15m	—

Units with capacity of 60kW or more (fitting pipe mode is as above)

		All owable Value	Fitting Pipe
Total length (actual length) of fitting		500m	$L1+L2+L3+L4+...+L8+a+b+... +i$
Length of farthest fitting	Actual length	150m	$L1+L5+L6+L7+L8+i$
	Equivalent length	175m	
length from the first branch to the furthest piping		40m	$L5+L6+L7+L8+i$
Height difference between outdoor unit and indoor unit	Outdoor unit at upper	50m	—
	Outdoor unit at lower	40m	—
Height difference between indoor units(m)		15m	—



➔ 5.4 Selection of Refrigerant Piping

5.4.1 The refrigerant pipe size from the outdoor unit to the first branch is decided by the capacity code of the outdoor unit.

(1) When the distance between the outdoor unit to the farthest indoor unit exceeds 90m, then the size of both the liquid and gas refrigerant pipes between the outdoor unit to the first branch should be enlarged by one level as listed in the following table.

(2) When the distance between the first branch to the farthest indoor unit exceeds 40m, then the size of the liquid refrigerant pipe between the first branch to the farthest indoor unit should be enlarged by one level as listed in the following table.

5.4.2 Pipe Size Between Branching Joints

According to the total capacity code of indoor units units at downstream side(take the total capacity code of outdoor unit as while the total capacity code of indoor units exceed the outdoor unit pipe size between branching joints as follows:

The total capacity code of the outdoor units C	Gas pipe(mm/Inch)	Liquid pipe(mm/Inch)
$C \leq 56$	$\Phi 12.7/1/2$	$\Phi 6.35/1/4$
$56 < C \leq 142$	$\Phi 15.9/5/8$	$\Phi 9.52/3/8$
$142 < C \leq 220$	$\Phi 19.05/3/4$	$\Phi 9.52/3/8$
$220 < C \leq 300$	$\Phi 22.2/7/8$	$\Phi 9.52/3/8$
$300 < C \leq 450$	$\Phi 28.6/9/8$	$\Phi 12.7/1/2$
$450 < C \leq 670$	$\Phi 28.6/9/8$	$\Phi 15.9/5/8$
$670 < C \leq 950$	$\Phi 34.9/11/8$	$\Phi 19.05/3/4$
$950 < C \leq 1350$	$\Phi 41.3/13/8$	$\Phi 19.05/3/4$
$1350 < C \leq 1600$	$\Phi 44.5/15/8$	$\Phi 22.2/7/8$
$1600 < C \leq 2100$	$\Phi 54.1/17/8$	$\Phi 25.4/1$

If 3 outdoor units are parallel connected, piping between module connecting sub-assies should be taken into consideration. Dimension of piping between module connecting sub-assies is decided by total capacity of upstream modules.

The total capacity code of the outdoor units C	Gas pipe(mm/Inch)	Liquid pipe(mm/Inch)
$C \leq 280$	$\Phi 22.2/7/8$	$\Phi 9.52/3/8$
$280 < C \leq 450$	$\Phi 28.6/9/8$	$\Phi 12.7/1/2$
$450 < C \leq 670$	$\Phi 28.6/9/8$	$\Phi 15.9/5/8$
$670 < C \leq 950$	$\Phi 34.9/11/8$	$\Phi 19.05/3/4$
$950 < C \leq 1350$	$\Phi 41.3/13/8$	$\Phi 19.05/3/4$
$C > 1350$	$\Phi 41.3/13/8$	$\Phi 22.2/7/8$

5.4.3 Piping of Indoor Unit

The total capacity code of the outdoor units C	Gas pipe(mm/Inch)	Liquid pipe(mm/Inch)
$C \leq 28$	$\Phi 9.52/3/8$	$\Phi 6.35/1/4$
$28 < C \leq 50$	$\Phi 12.7/1/2$	$\Phi 6.35/1/4$
$50 < C \leq 140$	$\Phi 15.9/5/8$	$\Phi 9.52/3/8$

5.4.4 Selection for Branching Section

	Total capacity code of indoor unit	Model name
Y-type branching joint	$X \leq 200$	FQ01A/A
	$200 < X \leq 300$	FQ01B/A
	$300 < X \leq 700$	FQ02/A
	$700 < X \leq 1350$	FQ03/A
	$1350 < X$	FQ04/A

➔ 5.5 Charging Requirement with Additional Refrigerant

5.5.1 Refrigerant in the System When Shipped from the Factory

Model name	GMV-Pd100W/NaB-K	GMV-Pd120W/NaB-K	GMV-Pd140W/NaB-K	GMV-Pd160W/NaB-K
Refrigerant amount charged in factory(kg)	5	5	7	7
Model name	GMV-Pdm224W/NaB-M	GMV-Pdm280W/NaB-M	GMV-Pdm335W/NaB-M	GMV-Pdm400W/NaB-M
Refrigerant amount charged in factory(kg)	12	13	15	16
Model name	GMV-Pdm450W/NaB-M	GMV-Pdm504W2/NaB-M	GMV-Pdm560W2/NaB-M	GMV-Pdm615W2/NaB-M
Refrigerant amount charged in factory(kg)	17	12+13	13+13	13+15
Model name	GMV-Pdm670W2/NaB-M	GMV-Pdm730W2/NaB-M	GMV-Pdm785W2/NaB-M	GMV-Pdm850W2/NaB-M
Refrigerant amount charged in factory(kg)	13+16	13+17	15+16	16+17
Model name	GMV-Pdm900W2/NaB-M	GMV-Pdm950W3/NaB-M	GMV-Pdm1008W3/NaB-M	GMV-Pdm1065W3/NaB-M
Refrigerant amount charged in factory(kg)	17+17	13+13+16	13+13+17	13+15+17
Model name	GMV-Pdm1130W3/NaB-M	GMV-Pdm1180W3/NaB-M	GMV-Pdm1235W3/NaB-M	GMV-Pdm1300W3/NaB-M
Refrigerant amount charged in factory(kg)	13+16+17	13+17+17	15+17+17	16+17+17
Model name	GMV-Pdm1350W3/NaB-M	GMV-Pdm1405W4/NaB-M	GMV-Pdm1456W4/NaB-M	GMV-Pdm1512W4/NaB-M
Refrigerant amount charged in factory(kg)	17+17+17	13+13+16+17	13+13+17+17	13+15+17+17
Model name	GMV-Pdm1570W4/NaB-M	GMV-Pdm1650W4/NaB-M	GMV-Pdm1700W4/NaB-M	GMV-Pdm1750W4/NaB-M
Refrigerant amount charged in factory(kg)	13+16+17+17	13+17+17+17	15+17+17+17	16+17+17+17
Model name	GMV-Pdm1800W4/NaB-M			
Refrigerant amount charged in factory(kg)	17+17+17+17			

5.5.2 [Additional Refrigerant Charge Amount] = [Real Length of Liquid Pipe] [Additional Refrigerant Charge Amount Per Meter Liquid Pipe]

Pipe dia. at liquid side(mm/Inch)	25.4/1	22.2/7/8	19.05/3/4	15.9/5/8	12.7/1/2	9.52/3/8	6.35/1/4
Additional refrigerant amount (kg/m)	0.520	0.350	0.250	0.170	0.110	0.054	0.022

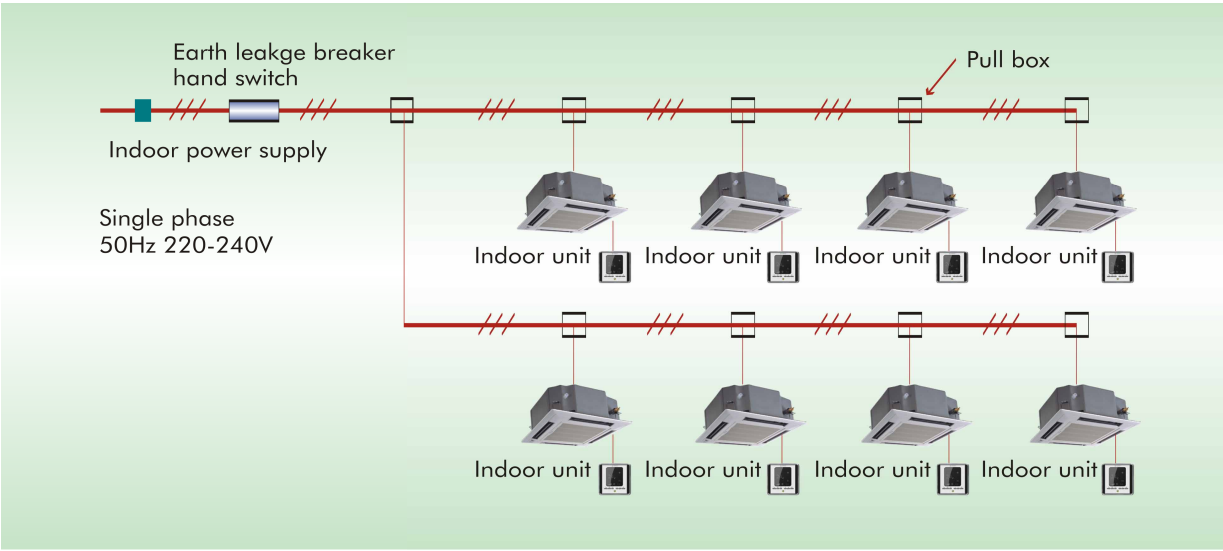
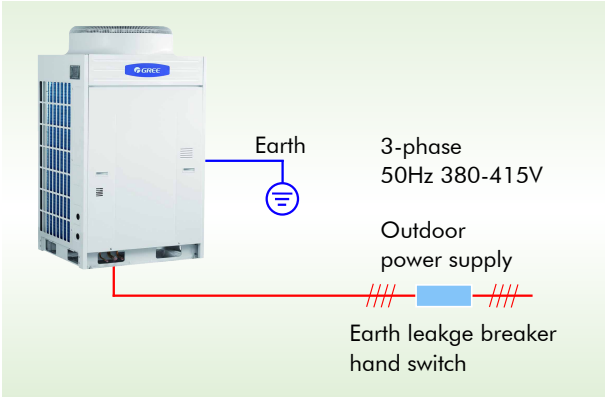
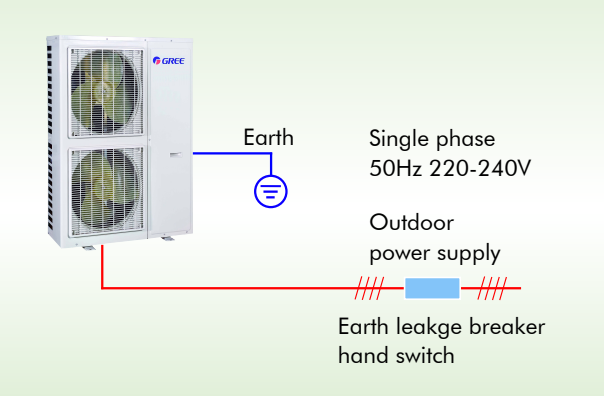
6 WIRING DESIGN

6.1 General

- (1) Perform wiring of the power supply in conformance with the regulations of the local electric company.
- (2) For the control wires connecting indoor units, and between indoor and outdoor units, use of twisted pair shield wires is recommended to prevent noise trouble.
- (3) Be sure to set the earth leakage breaker and the switches to the power supply section of the indoor unit.
- (4) Supply power to each outdoor unit and provide an earth leakage breaker or hand switch for each outdoor unit.
- (5) Store wiring system for control and refrigerant piping system in the same line.
- (6) Arrange the cables so that the electric wires do not contact with high-temperature part of the pipe; otherwise coating melts and an accident may be caused.
- (7) Do not turn on power of the indoor unit until vacuuming of the refrigerant pipe finish.

6.2 Electrical Wiring Design

6.2.1 Wiring Drawing



6.2.2 Selection of Power Supply Cabing and Fuse of Units

Model		Power supply wiring	
		Wire Size	Field Fuse
Outdoor Unit	GMV-Pd100W/NaB-K	10mm ²	32A
	GMV-Pd120W/NaB-K	10mm ²	32A
	GMV-Pd140W/NaB-K	10mm ²	40A
	GMV-Pd160W/NaB-K	10mm ²	40A
Indoor Unit	All models of indoor units	1mm ²	6A

Model	The basic combination model	Air switch capacity (A)	Each air switch of combination models	Line dia. Of the main power	Line dia. of each combination model
GMV-Pdm224W/NaB-M	224	32	32	6.0	6.0
GMV-Pdm280W/NaB-M	280	32	32	6.0	6.0
GMV-Pdm335W/NaB-M	335	40	40	10.0	10.0
GMV-Pdm400W/NaB-M	400	40	40	10.0	10.0
GMV-Pdm450W/NaB-M	450	40	40	10.0	10.0
GMV-Pdm504W2/NaB-M	224+280	63	32+32	16.0	6.0+6.0
GMV-Pdm560W2/NaB-M	280+280	63	32+32	16.0	6.0+6.0
GMV-Pdm615W2/NaB-M	280+335	63	32+40	25.0	6.0+10.0
GMV-Pdm670W2/NaB-M	280+400	80	32+40	25.0	6.0+10.0
GMV-Pdm730W2/NaB-M	280+450	80	32+40	25.0	6.0+10.0
GMV-Pdm785W2/NaB-M	335+450	80	40+40	25.0	10.0+10.0
GMV-Pdm850W2/NaB-M	400+450	80	40+40	25.0	10.0+10.0
GMV-Pdm900W2/NaB-M	450+450	80	40+40	25.0	10.0+10.0
GMV-Pdm950W3/NaB-M	280+280+400	125	32+32+40	35.0	6.0+6.0+10.0
GMV-Pdm1008W3/NaB-M	280+280+450	125	32+32+40	35.0	6.0+6.0+10.0
GMV-Pdm1065W3/NaB-M	280+335+450	125	32+40+40	35.0	6.0+10.0+10.0
GMV-Pdm1130W3/NaB-M	280+400+450	125	32+40+40	35.0	6.0+10.0+10.0
GMV-Pdm1180W3/NaB-M	280+450+450	125	32+40+40	35.0	6.0+10.0+10.0
GMV-Pdm1235W3/NaB-M	335+450+450	125	40+40+40	35.0	10.0+10.0+10.0
GMV-Pdm1300W3/NaB-M	400+450+450	125	40+40+40	35.0	10.0+10.0+10.0
GMV-Pdm1350W3/NaB-M	450+450+450	125	40+40+40	35.0	10.0+10.0+10.0
GMV-Pdm1405W4/NaB-M	280+280+400+450	160	32+32+40+40	35.0	6.0+6.0+10.0+10.0
GMV-Pdm1456W4/NaB-M	280+280+450+450	160	32+32+40+40	50.0	6.0+6.0+10.0+10.0
GMV-Pdm1512W4/NaB-M	280+335+450+450	160	32+40+40+40	50.0	6.0+10.0+10.0+10.0
GMV-Pdm1570W4/NaB-M	280+400+450+450	160	32+40+40+40	50.0	6.0+10.0+10.0+10.0
GMV-Pdm1650W4/NaB-M	280+450+450+450	160	32+40+40+40	50.0	6.0+10.0+10.0+10.0
GMV-Pdm1700W4/NaB-M	335+450+450+450	160	40+40+40+40	50.0	10.0+10.0+10.0+10.0
GMV-Pdm1750W4/NaB-M	400+450+450+450	160	40+40+40+40	50.0	10.0+10.0+10.0+10.0
GMV-Pdm1800W4/NaB-M	450+450+450+450	160	40+40+40+40	50.0	10.0+10.0+10.0+10.0

- ◆ Determine the wire size for indoor unit according to the number of connected indoor units downstream.
- ◆ Observe local regulation regarding wire size selection and installation.

NOTE:

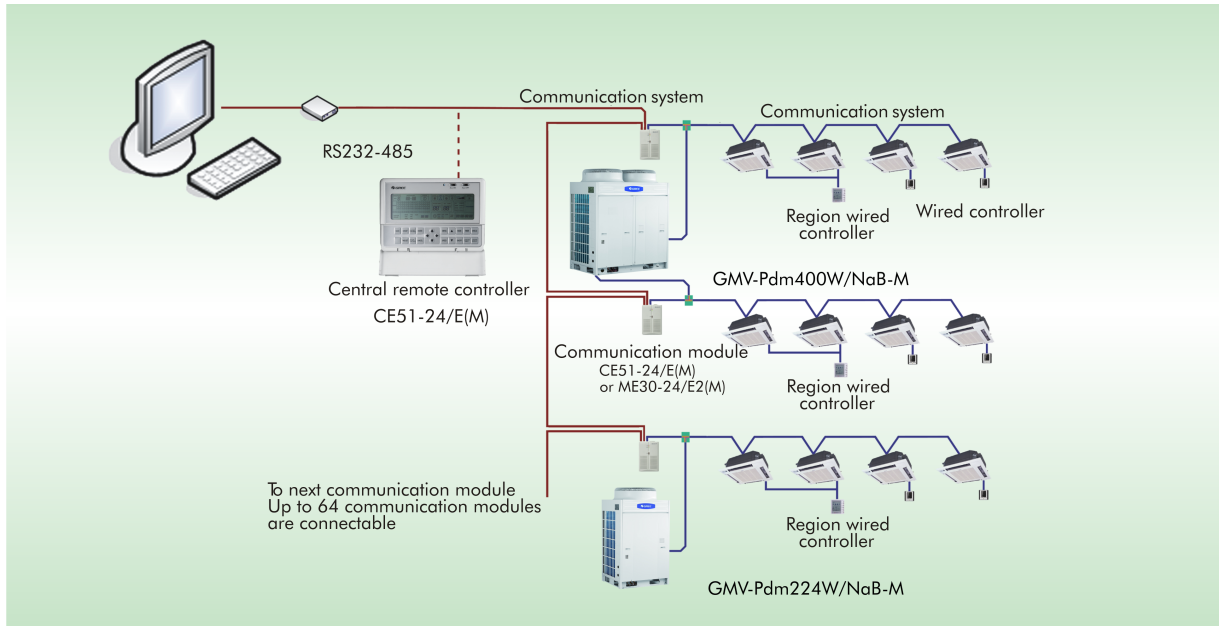
The specification of power cord mentioned hereby is defined as the required specification when wiring with BV single core cable (2 ~ 4 pieces) under the cover of PVC pipe, and environment temperature shall be at 40 °C ; Air switch shall be selected according to 40 °C temperature condition, and shall in D type. if the installation condition on site changed, please consider the modification on the required specification of Power cord and Air switch, according to the specification manual provided by manufacture.

! CAUTIONS

- (1) Keep the refrigerant piping system and the indoor-indoor/indoor-outdoor control wiring systems together.
- (2) When running power wires and control wires parallel to each other. either run them through separate conduits or (Current capacity of power wires: 10A or less for 300m, 50A or less for 500m)

➔ 6.3 Design of Control Wiring

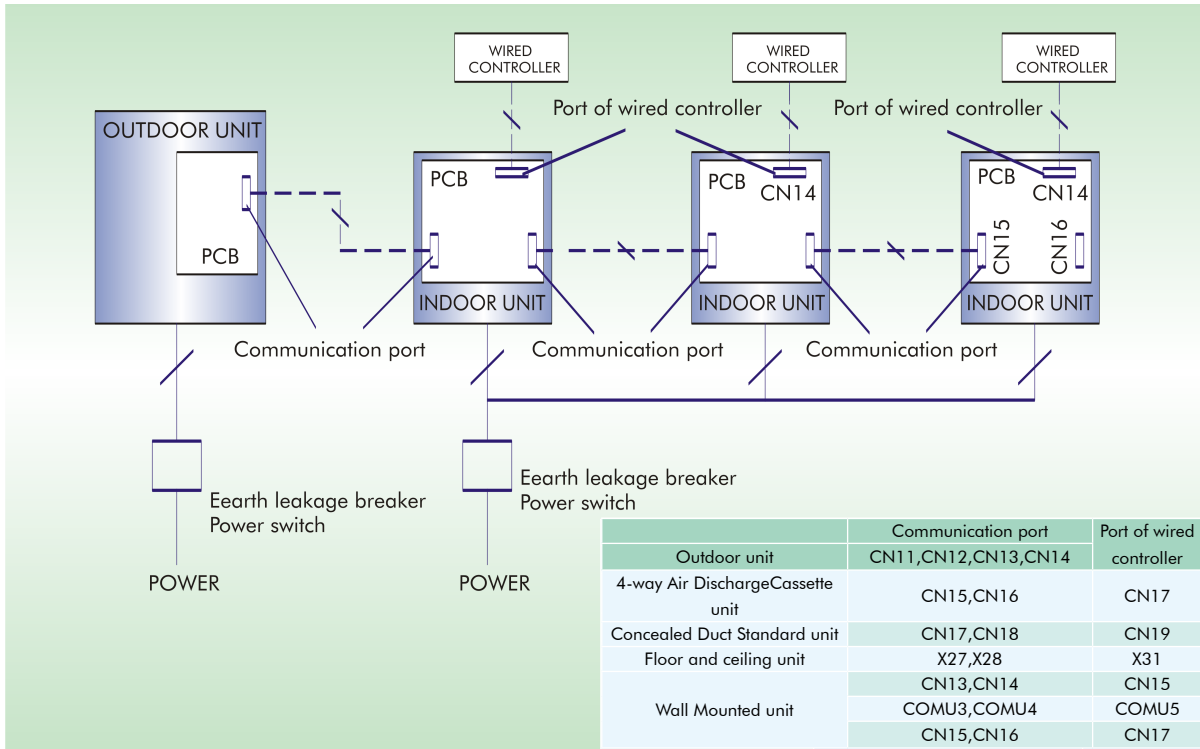
6.3.1 Control Wiring Drawing



6.3.2 Wire Specification, Quantity, Size of Crossover Wiring and Remote Controller Wiring

Name	Quantity	Size& Specification
communication cable between outdoor and indoor	2 cores	UL 2835 24 #
communication cable between outdoor and indoor wiring(indoor-wired controller)		

6.4 Wiring Diagram of Units



6.5 Parameters

6.5.1 Outdoor Unit

Model name	Voltage Range		Compressor		Fan Motor		Power Supply	
	Min	Max	RLA	LRA	kW	FLA	MCA	MOCP
GMV-Pd100W/NaB-K	198	264	21	----	0.068×2	0.37×2	23.3	32
GMV-Pd120W/NaB-K	198	264	21	----	0.068×2	0.37×2	23.3	32
GMV-Pd140W/NaB-K	198	264	21	----	0.068×2	0.37×2	24.3	40
GMV-Pd160W/NaB-K	198	264	21	----	0.092×2	0.5×2	25.5	40
GMV-Pdm224W/NaB-M	342	420	7.5	58	0.75	4.4	29.88	32
GMV-Pdm280W/NaB-M	342	420	7.5	58	0.75	4.4	29.88	32
GMV-Pdm335W/NaB-M	342	420	7.5+7.5	58+58	0.35+0.35	2.0+2.0	38.75	40
GMV-Pdm400W/NaB-M	342	420	9.2+9.2	62+62	0.35+0.35	2.0+2.0	46.75	50
GMV-Pdm450W/NaB-M	342	420	9.2+9.2	62+62	0.35+0.35	2.0+2.0	46.75	50

LEGEND:

MCA: Minimum Circuit Amps

MOCP: Maximum Overcurrent Protection(Amps)

ICF: Maximum Instantaneous Current Flow Star

RLA: Rated Load Amps

Indoor temperature: 29°C (84.2 °F)DB/19°C (66.6 °F)WB

Outdoor temperature: 46°C (114.8 °F) DB

LRA: Locked Rotor Amps

FLA: Full Load Amps

kW: Fan Motor Rated Output(kW)

Note:RLA is based on the following conditions.

6.5.2 Indoor Unit

Type	Model name	Nominal Voltage (V/Ph/Hz)	Voltage Range		Fan Motor		Power Supply	
			Min	Max	kW	FLA	MCA	MOCP
4- way Air Discharge cassette type	GMV-R22T/NaA-K	220-240/1/50	198	264	0.011	0.05	0.24	0.43
	GMV-R28T/NaA-K				0.011	0.05	0.24	0.43
	GMV-R36T/NaA-K				0.011	0.05	0.24	0.43
	GMV-R45T/NaA-K				0.011	0.05	0.24	0.43
	GMV-R28T/Na-K				0.035	0.27	0.3	0.6
	GMV-R36T/ Na -K				0.035	0.27	0.3	0.6
	GMV-R45T/ Na -K				0.035	0.28	0.3	0.6
	GMV-R50T/ Na -K				0.035	0.28	0.3	0.6
	GMV-R56T/ Na -K				0.035	0.37	0.5	0.8
	GMV-R63T/ Na -K				0.035	0.37	0.5	0.8
	GMV-R71T/ Na -K				0.035	0.37	0.5	0.8
	GMV-R80T/ Na -K				0.035	0.37	0.5	0.8
	GMV-R90T/ Na -K				0.06	0.59	0.7	1.3
	GMV-R100T/ Na -K				0.06	0.59	0.7	1.3
	GMV-R112T/ Na -K				0.06	0.59	0.7	1.3
	GMV-R125T/ Na -K				0.06	0.59	0.7	1.3
GMV-R140T/ Na -K	0.06	0.59	0.7	1.3				
Duct type	GMV-R22P/NaB-K	220-240/1/50	198	264	0.04	0.28	0.35	0.63
	GMV-R28P/NaB-K				0.06	0.41	0.51	0.92
	GMV-R36P/NaB-K				0.06	0.41	0.51	0.92
	GMV-R45P/NaB-K				0.07	0.55	0.69	1.24
	GMV-R56P/NaB-K				0.15	1.3	1.63	2.93
	GMV-R71P/NaB-K				0.15	1.3	1.63	2.92
	GMV-R90P/NaB-K				0.225	2.15	2.69	4.84
	GMV-R112P/NaB-K				0.225	2.15	2.69	4.48
	GMV-R140P/NaB-K				0.26	2.67	3.34	6.01
	GMV-R22PS/NaB-K				0.04	0.28	0.35	0.63
	GMV-R28PS/NaB-K				0.06	0.41	0.51	0.92
	GMV-R36PS/NaB-K				0.06	0.41	0.51	0.92
	GMV-R45PS/NaB-K				0.07	0.55	0.69	1.24
	GMV-R56PS/NaB-K				0.15	1.3	1.63	2.93
	GMV-R71PS/NaB-K				0.15	1.3	1.63	2.93
	GMV-R90PS/NaB-K				0.225	2.15	2.69	4.84
	GMV-R112PS/NaB-K				0.225	2.15	2.69	4.84
	GMV-R140PS/NaB-K				0.26	2.67	3.34	6.01
	GMV-R22PS/NaE-K				0.03	0.28	0.35	0.63
	GMV-R28PS/NaE-K				0.03	0.28	0.35	0.63
	GMV-R36PS/NaE-K	0.04	0.31	0.39	0.6975			
	GMV-R45PS/NaE-K	0.06	0.41	0.51	0.9225			
	GMV-R56PS/NaE-K	0.06	0.41	0.51	0.9225			
	GMV-R71PS/NaE-K	0.02	0.5	0.63	1.13			
GMV-R224P/NaB-M	380-415/3/50	342	420	1.2	2.6	3.25	5.85	
GMV-R280P/NaB-M				1.2	2.6	3.25	5.85	

DC Inverter Multi VRF Technical Sales Guide

Type	Model name	Nominal Voltage (V/Ph/Hz)	Voltage Range		Fan Motor		Power Supply	
			Min	Max	kW	FLA	MCA	MOCP
Wall-mounted type	GMV-R22G/NaB-K	220-240/1/50	198	264	0.01	0.06	0.07	0.1
	GMV-R28G/NaB-K				0.01	0.06	0.07	0.1
	GMV-R36G/NaB-K				0.022	0.11	0.1	0.2
	GMV-R45G/NaB-K				0.022	0.11	0.25	0.45
	GMV-R50G/NaB-K				0.01	0.09	0.25	0.45
	GMV-R56G/NaB-K				0.04	0.2	0.25	0.45
	GMV-R71G/Na-K				0.04	0.2	0.25	0.45
	GMV-R80G/Na-K				0.04	0.2	0.25	0.45
	GMV-R22G/NaG-K				0.02	0.09	0.11	0.20
	GMV-R28G/NaG-K				0.02	0.09	0.11	0.20
	GMV-R36G/NaG-K				0.02	0.09	0.11	0.20
	GMV-R45G/NaG-K				0.02	0.09	0.11	0.20
	GMV-R50G/NaG-K				0.02	0.09	0.11	0.20
	GMV-R56G/NaG-K				0.03	0.16	0.20	0.36
	GMV-R63G/NaG-K				0.03	0.16	0.20	0.36
GMV-R71G/NaG-K	0.03	0.16	0.20	0.36				
Floor Ceiling Type	GMV-R28Zd/Na-K	220-240/1/50	198	264	0.01	0.06	0.07	0.13
	GMV-R36Zd/Na-K				0.01	0.06	0.07	0.13
	GMV-R50Zd/Na-K				0.04	0.3	0.33	0.6
	GMV-R71Zd/Na-K				0.1	0.8	0.88	1.6
	GMV-R90Zd/Na-K				0.15	1.2	1.32	2.38
	GMV-R112Zd/Na-K				0.18	1.4	1.54	2.8
	GMV-R125Zd/Na-K				0.18	1.4	1.54	2.8
	GMV-R28Zd/NaB-K				0.01	0.28	0.35	0.63
	GMV-R36Zd/NaB-K				0.01	0.28	0.35	0.63
	GMV-R50Zd/NaB-K				0.02	0.5	0.625	1.125
	GMV-R71Zd/NaB-K				0.075	0.72	0.9	1.6
	GMV-R90Zd/NaB-K				0.15	1.6	2.0	3.6
GMV-R112Zd/NaB-K	0.18	2.3	2.9	5.2				
GMV-R125Zd/NaB-K	0.18	2.3	2.9	5.2				
Floor And Wall Mounted Type	GMV-R28C/Na-K	220-240/1/50	198	264	0.03	0.15	0.18	0.34
	GMV-R36C/Na-K				0.03	0.15	0.18	0.34
	GMV-R50C/Na-K				0.03	0.15	0.18	0.34
Floor Standing Type	GMV-R71L/Na-K	220-240/1/50	198	264	0.05	0.8	1.0	1.8
	GMV-R100L/Na-K				0.12	1.1	1.37	2.5
	GMV-R140L/Na-K				0.12	1.1	1.37	2.5

LEGEND:

MCA: Minimum Circuit Amps

MOCP: Maximum Overcurrent Protection(Amps)

FLA: Full Load Amps

kW: Fan Motor Rated Output(kW)

7 ACCESSORIES

7.1 Outdoor Unit

Accessories model name	Standard	Option	Field Supplied
Communication cable between units	√		
Y-shape Branching Joint and Collecting Pipe		√	
Power Cable			√
Flexible pipe	√		

7.2 Indoor Unit

Accessories model name	Standard	Option	Field Supplied
Power Cable			√
Remote Controller	√		
New Remote Controller (Only for G Series Wall mounted type indoor unit and B Series Floor ceiling type indoor unit)	√		
Wired Controller	√		
Touch Button Wired Controller		√	
Connecting Cable for Wired Controller (8m)	√		
Communication cable between units	√		
Drain Pipe	√		

7.3 Controller

Accessories name	Model name	Standard	Option	Remark
Wired remote controller	Z60151F (30296013) Z60351F (30296014) Z63151F (30296308) Z63351F (30296309)	√		
Wireless remote controller	Y512 (305125063)	√		
Region controller	ZJA011 (MC207006)		√	Common parts or all type model. But on the other hand unable Region controller when Central remote controller or Long-distance control system is put into use.
Central remote controller	CE51-24/E(M) (MC207030)		√	
Long-distance control system --for GMV	FC232/422-W (EN0230001)		√	
Communication Module	ZJ301-W (EN0210001)		√	Use for Central remote controller or Long-distance
New Remote Controller	XK02 (30296020)	√		Only for G Series Wall mounted type indoor unit and B Series Floor ceiling type indoor unit
Touch Button Wired Controller	YB1FA (30510041)		√	

8 TECHNICAL SPECIFICATIONS

8.1 Indoor Unit

◆ 4-way Air Discharge Cassette Type

Model		GMV-R22T/NaA-K	GMV-R28T/NaA-K	GMV-R36T/NaA-K	GMV-R45T/NaA-K
Cooling Capacity	kW	2.2	2.8	3.6	4.5
	kBtu/h	7.51	9.554	12.283	15.354
Heating Capacity	kW	2.50	3.20	4.0	5.0
	kBtu/h	8.53	10.918	13.648	17.06
Air Flow Rate	m ³ /h	600	600	600	600
	CFM	353	353.1	353.1	353.1
ESP(standard/max./range)	Pa	0	0	0	0
Sound Pressure Level (H/M/L)	dB(A)	47 /41	47 /41	47 /41	47/41
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph			
Fan Motor	Output	0.011	0.011	0.011	0.011
	Running Current	A	0.05	0.05	0.05
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ9.52	Φ12.7
		inch	3/8	3/8	1/2
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35
		inch	1/4	1/4	1/4
Connection Method		Flare Connection	Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ30×1.5	Φ30×1.5	Φ30×1.5	Φ30×1.5
Unit Dimensions (Main Body/Panel) (W×D×H)	mm	Main Body:570 ×570 ×230 Panel:650 ×650 ×50			
Package Dimensions (Main Body/Panel) (W×D×H)	mm	Main Body:848 ×728 ×310 Panel:730 ×670 ×102			
Net Weight (Main Body/Panel)	kg	20.0/5			
Gross Weight (Main Body/Panel)	kg	27.0/10			
Loading Quantity (20' Container)	unit	115	115	115	115
Loading Quantity (40' Container)	unit	237	237	237	237
Loading Quantity (40' High Cube Container)	unit	269	269	269	269

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R28T/Na-K	GMV-R36T/Na-K	GMV-R45T/Na-K	GMV-R50T/Na-K	
Cooling Capacity	kW	2.8	3.6	4.5	5.0	
	kBtu/h	9.550	12.280	15.360	17.06	
Heating Capacity	kW	3.2	4.0	5.0	5.8	
	kBtu/h	10.92	13.650	17.06	19.79	
Air Flow Rate	m ³ /h	680	680	680	680	
	CFM	400	400	400	400	
ESP(standard/max./range)	Pa	0	0	0	0	
Sound Pressure Level (H/M/L)	dB(A)	37/35/33	37/35/33	37/35/33	37/35/33	
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph				
Fan Motor	Output	kW	0.035	0.035	0.035	0.035
	Running Current	A	0.28	0.28	0.28	0.28
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ12.7	Φ12.7	Φ12.7
		inch	3/8	1/2	1/2	1/2
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
		inch	1/4	1/4	1/4	1/4
Connection Method		Flare Connection	Flare Connection	Flare Connection	Flare Connection	
Drain Pipes (External Dia.×Thickness)	mm	Φ30×1.5	Φ30×1.5	Φ30×1.5	Φ30×1.5	
Unit Dimensions (Main Body/Panel) (W×D×H)	mm	Main Body:840 ×840 ×190 Panel:950 ×950 ×60				
Package Dimensions (Main Body/Panel) (W×D×H)	mm	Main Body:960 ×960 ×257 Panel:1040 ×1025 ×115				
Net Weight (Main Body/Panel)	kg	25.0/6.5				
Gross Weight (Main Body/Panel)	kg	33.0/10				
Loading Quantity (20' Container)	unit	74	74	74	74	
Loading Quantity (40' Container)	unit	167	167	167	167	
Loading Quantity (40' High Cube Container)	unit	171	171	171	171	

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R56T/Na-K	GMV-R63T/Na-K	GMV-R71T/Na-K	GMV-R80T/Na-K	
Cooling Capacity	kW	5.6	6.3	7.1	8.0	
	kBtu/h	19.100	21.500	24.230	27.300	
Heating Capacity	kW	6.3	7.0	8.0	8.8	
	kBtu/h	21.500	23.890	27.300	30.030	
Air Flow Rate	m ³ /h	1180	1180	1180	1180	
	CFM	694	694	694	694	
ESP(standard/max./range)	Pa	0	0	0	0	
Sound Pressure Level (H/M/L)	dB(A)	39/37/35	39/37/35	39/37/35	39/37/35	
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph				
Fan Motor	Output	kW	0.035	0.035	0.035	0.035
	Running Current	A	0.37	0.37	0.37	0.37
Connecting Pipes	Gas Pipe	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9
		inch	5/8	5/8	5/8	5/8
	Liquid Pipe	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
		inch	3/8	3/8	3/8	3/8
Connection Method		Flare Connection	Flare Connection	Flare Connection	Flare Connection	
Drain Pipes (External Dia.×Thickness)	mm	Φ30×1.5	Φ30×1.5	Φ30×1.5	Φ30×1.5	
Unit Dimensions (Main Body/Panel) (W×D×H)	mm	Main Body:840 ×840 ×240 Panel:950 ×950 ×60				
Package Dimensions (Main Body/Panel) (W×D×H)	mm	Main Body:960 ×960 ×310 Panel:1040 ×1025 ×115				
Net Weight (Main Body/Panel)	kg	30/6.5				
Gross Weight (Main Body/Panel)	kg	38/10				
Loading Quantity (20' Container)	unit	60	60	60	60	
Loading Quantity (40' Container)	unit	140	140	140	140	
Loading Quantity (40' High Cube Container)	unit	156	156	156	156	

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R90T/ Na-K	GMV-R100T/ Na-K	GMV-R112T/ Na-K	GMV-R125T/ Na-K	GMV-R140T/ Na-K	
Cooling Capacity	kW	9.0	10.0	11.2	12.5	14.0	
	kBtu/h	30.700	34.120	38.210	42.650	47.770	
Heating Capacity	kW	10.0	11.0	12.5	13.5	14.5	
	kBtu/h	34.120	37.540	42.650	46.060	49.470	
Air Flow Rate	m ³ /h	1860	1860	1860	1860	1860	
	CFM	1095	1095	1095	1095	1095	
ESP(standard/max./range)	Pa	0	0	0	0	0	
Sound Pressure Level (H/M/L)	dB(A)	40/38/36	40/38/36	40/38/36	40/38/36	40/38/36	
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph					
Fan Motor	Output	kW	0.06	0.06	0.06	0.06	0.06
	Running Current	A	0.59	0.59	0.59	0.59	0.59
Connecting Pipes	Gas Pipe	mm	Φ 15.9	Φ 15.9	Φ 15.9	Φ 15.9	Φ 15.9
		inch	5/8	5/8	5/8	5/8	5/8
	Liquid Pipe	mm	Φ 9.52	Φ 9.52	Φ 9.52	Φ 9.52	Φ 9.52
		inch	3/8	3/8	3/8	3/8	3/8
Connection Method		Flare Connection	Flare Connection	Flare Connection	Flare Connection	Flare Connection	
Drain Pipes (External Dia.×Thickness)	mm	Φ 30×1.5	Φ 30×1.5	Φ 30×1.5	Φ 30×1.5	Φ 30×1.5	
Unit Dimensions (Main Body/Panel) (W×D×H)	mm	Main Body:840 ×840 ×320 Panel:950 ×950 ×60					
Package Dimensions (Main Body/Panel) (W×D×H)	mm	Main Body:960 ×960 ×394 Panel:1040 ×1025 ×115					
Net Weight (Main Body/ Panel)	kg	38/6.5					
Gross Weight (Main Body/ Panel)	kg	46/10					
Loading Quantity (20' Container)	unit	52	52	52	52	52	
Loading Quantity (40' Container)	unit	104	104	104	104	104	
Loading Quantity (40' High Cube Container)	unit	119	119	119	119	119	

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

◆ Duct Type

Model		GMV-R22P/NaB-K	GMV-R28P/NaB-K	GMV-R36P/NaB-K	GMV-R45P/NaB-K	
Cooling Capacity	kW	2.2	2.8	3.6	4.5	
	kBtu/h	7.510	9.550	10.280	15.360	
Heating Capacity	kW	2.5	3.2	4.0	5.0	
	kBtu/h	8.350	10.920	13.650	17.060	
Air Flow Rate	m ³ /h	450	570	570	700	
	CFM	265	335	335	412	
ESP(standard/max./range)	Pa	50/20	50/20	50/20	50/20	
Sound Pressure Level (H/M/L)	dB(A)	37/35/33	39/37/35	39/37/35	40/38/36	
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph				
Fan Motor	Output	kW	0.04	0.06	0.06	0.07
	Running Current	A	0.28	0.41	0.41	0.55
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7
		inch	3/8	3/8	1/2	1/2
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
		inch	1/4	1/4	1/4	1/4
Connection Method		Flare Connection	Flare Connection	Flare Connection	Flare Connection	
Drain Pipes (External Dia.×Thickness)	mm	Φ20×1.5	Φ20×1.5	Φ20×1.5	Φ20×1.5	
Unit Dimensions (W×D×H)	mm	880×665×250			980×721×266	
Package Dimensions (W×D×H)	mm	1020×745×310			1068×766×320	
Net Weight	kg	27	28.55	28.55	34	
Gross Weight	kg	31	33.5	33.5	37	
Loading Quantity (20' Container)	unit	90	90	90	90	
Loading Quantity (40' Container)	unit	198	198	198	198	
Loading Quantity (40' High Cube Container)	unit	198	198	198	198	

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R56P/NaB-K	GMV-R71P/NaB-K	GMV-R90P/NaB-K	GMV-R112P/NaB-K	
Cooling Capacity	kW	5.6	7.1	9.0	11.2	
	kBtu/h	19.100	24.230	30.700	38.210	
Heating Capacity	kW	6.3	8.0	10.0	12.5	
	kBtu/h	21.500	27.300	34.120	42.650	
Air Flow Rate	m ³ /h	1000	1100	1700	1700	
	CFM	589	647	1001	1001	
ESP(standard/max./range)	Pa	60/30	60/30	80/40	80/40	
Sound Pressure Level (H/M/L)	dB(A)	44/42/40	45/43/41	48/46/44	48/46/44	
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph				
Fan Motor	Output	kW	0.15	0.15	0.225	0.225
	Running Current	A	1.3	1.3	2.15	2.15
Connecting Pipes	Gas Pipe	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9
		inch	5/8	5/8	5/8	5/8
	Liquid Pipe	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
		inch	3/8	3/8	3/8	3/8
Connection Method		Flare Connection	Flare Connection	Flare Connection	Flare Connection	
Drain Pipes (External Dia.×Thickness)	mm	Φ30×1.5	Φ30×1.5	Φ30×1.5	Φ30×1.5	
Unit Dimensions (W×D×H)	mm	1155×736×300		1425×736×300		
Package Dimensions (W×D×H)	mm	1245×785×360		1514×785×360		
Net Weight	kg	49	49	62	62	
Gross Weight	kg	56	56	71	71	
Loading Quantity (20' Container)	unit	48	48	36	36	
Loading Quantity (40' Container)	unit	108	108	84	84	
Loading Quantity (40' High Cube Container)	unit	108	108	84	84	

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R140P/NaB-K	GMV-R224P/NaB-M	GMV-R280P/NaB-M
Cooling Capacity	kW	14.0	22.4	28.0
	kBtu/h	47.770	76.429	95.536
Heating Capacity	kW	15.0	25.0	31.0
	kBtu/h	49.470	85.300	105.772
Air Flow Rate	m ³ /h	2000	4000	4800
	CFM	1177	2354.4	2825.3
ESP(standard/max./range)	Pa	100/50	200	220
Sound Pressure Level (H/M/L)	dB(A)	50/48/46	56	57
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph		380-415V~50Hz-3Ph
Fan Motor	Output	kW	0.26	1.2
	Running Current	A	2.67	2.4
Connecting Pipes	Gas Pipe	mm	Φ 15.9	Φ 22.2
		inch	5/8	7/8
	Liquid Pipe	mm	Φ 9.52	Φ 9.52
		inch	3/8	3/8
	Connection Method		Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ 30×1.5	Φ 30×1.5	Φ 30×1.5
Unit Dimensions (W×D×H)	mm	1425×736×300	1463×799×389	1628×869×454
Package Dimensions (W×D×H)	mm	1514×785×360	1540×880×470	1745×1025×580
Net Weight	kg	63.5	88	113
Gross Weight	kg	73	102	152
Loading Quantity (20' Container)	unit	36	35	24
Loading Quantity (40' Container)	unit	84	75	52
Loading Quantity (40' High Cube Container)	unit	84	89	65

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase,"M" is three phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R22PS/NaB-K	GMV-R28PS/NaB-K	GMV-R36PS/NaB-K
Cooling Capacity	kW	2.2	2.8	3.6
	kBtu/h	7.510	9.550	10.280
Heating Capacity	kW	2.5	3.2	4.0
	kBtu/h	8.530	10.920	13.650
Air Flow Rate	m ³ /h	450	570	570
	CFM	265	335	335
ESP(standard/max./range)	Pa	50/20	50/20	50/20
Sound Pressure Level (H/M/L)	dB(A)	37/35/33	39/37/35	39/37/35
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph		
Fan Motor	Output	kW	0.04	0.06
	Running Current	A	0.28	0.41
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ9.52
		inch	3/8	3/8
	Liquid Pipe	mm	Φ6.35	Φ6.35
		inch	1/4	1/4
	Connection Method		Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ20×1.5	Φ20×1.5	Φ20×1.5
Unit Dimensions (W×D×H)	mm	880×665×250	880×665×250	880×665×250
Package Dimensions (W×D×H)	mm	1020×745×305	1020×745×305	1020×745×305
Net Weight	kg	28.5	30.5	30.5
Gross Weight	kg	33.5	35.5	35.5
Loading Quantity (20' Container)	unit	90	90	90
Loading Quantity (40' Container)	unit	198	198	198
Loading Quantity (40' High Cube Container)	unit	198	198	198

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R45PS/NaB-K	GMV-R56PS/NaB-K	GMV-R71PS/NaB-K
Cooling Capacity	kW	4.5	5.6	7.1
	kBtu/h	15.360	19.100	24.230
Heating Capacity	kW	5.0	6.3	8.0
	kBtu/h	17.060	21.500	27.300
Air Flow Rate	m ³ /h	700	1000	1100
	CFM	412	589	647
ESP(standard/max./range)	Pa	50/20	60/30	60/30
Sound Pressure Level (H/M/L)	dB(A)	40/38/36	44/42/40	45/43/41
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph		
Fan Motor	Output	kW	0.07	0.15
	Running Current	A	0.55	1.3
Connecting Pipes	Gas Pipe	mm	Φ12.7	Φ15.9
		inch	1/2	5/8
	Liquid Pipe	mm	Φ6.35	Φ9.52
		inch	1/4	3/8
	Connection Method		Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ20×1.5	Φ30×1.5	Φ30×1.5
Unit Dimensions (W×D×H)	mm	980×721×266	1155×736×300	1155×736×300
Package Dimensions (W×D×H)	mm	1068×766×320	1245×785×360	1245×785×360
Net Weight	kg	36	51	51
Gross Weight	kg	39	58	58
Loading Quantity (20' Container)	unit	90	48	48
Loading Quantity (40' Container)	unit	198	108	108
Loading Quantity (40' High Cube Container)	unit	198	108	108

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R90PS/NaB-K	GMV-R112PS/NaB-K	GMV-R140PS/NaB-K	
Cooling Capacity	kW	9.0	11.2	14.0	
	kBtu/h	30.700	38.210	47.770	
Heating Capacity	kW	10.0	12.5	15.0	
	kBtu/h	34.120	42.650	49.470	
Air Flow Rate	m ³ /h	1700	1700	2000	
	CFM	1001	1001	1177	
ESP(standard/max./range)	Pa	80/40	80/40	100/50	
Sound Pressure Level (H/M/L)	dB(A)				
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph			
Fan Motor	Output	kW	0.07	0.15	0.15
	Running Current	A	0.55	1.3	1.3
Connecting Pipes	Gas Pipe	mm	Φ12.7	Φ15.9	Φ15.9
		inch	1/2	5/8	5/8
	Liquid Pipe	mm	Φ6.35	Φ9.52	Φ9.52
		inch	1/4	3/8	3/8
	Connection Method		Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ30×1.5	Φ30×1.5	Φ30×1.5	
Unit Dimensions (W×D×H)	mm	1425×736×300	1425×736×300	1425×736×300	
Package Dimensions (W×D×H)	mm	1514×785×360	1514×785×360	1514×785×360	
Net Weight	kg	64	64	65.5	
Gross Weight	kg	73	73	75	
Loading Quantity (20' Container)	unit	36	36	36	
Loading Quantity (40' Container)	unit	84	84	84	
Loading Quantity (40' High Cube Container)	unit	84	84	84	

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R22PS/NaE-K	GMV-R28PS/NaE-K	GMV-R36PS/NaE-K
Cooling Capacity	kW	2.2	2.8	3.6
	kBtu/h	7.510	9.550	10.280
Heating Capacity	kW	2.5	3.2	4.0
	kBtu/h	8.530	10.920	13.650
Air Flow Rate	m ³ /h	450	450	550
	CFM	265	265	324
ESP	Pa	20	20	20
Sound Pressure Level (H/M/L)	dB(A)	37/35/33	37/35/33	39/37/35
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph		
Fan Motor	Output	kW	0.03	0.03
	Running Current	A	0.28	0.28
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ9.52
		inch	3/8	3/8
	Liquid Pipe	mm	Φ6.35	Φ6.35
		inch	1/4	1/4
	Connection Method		Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ20×1.5	Φ20×1.5	Φ20×1.5
Unit Dimensions (W×D×H)	mm	700×615×200	700×615×200	700×615×200
Package Dimensions (W×D×H)	mm	890×740×290	890×740×290	890×740×290
Net Weight	kg	21	21	22
Gross Weight	kg	27	27	28
Loading Quantity (20' Container)	unit	108	108	108
Loading Quantity (40' Container)	unit	234	234	234
Loading Quantity (40' High Cube Container)	unit	234	234	234

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R45PS/NaE-K	GMV-R56PS/NaE-K	GMV-R71PS/NaE-K	
Cooling Capacity	kW	4.5	5.6	7.1	
	kBtu/h	15.360	19.100	24.230	
Heating Capacity	kW	5.0	6.3	8.0	
	kBtu/h	17.060	21.500	27.300	
Air Flow Rate	m ³ /h	700	700	1000	
	CFM	412	412	588	
ESP	Pa	20	20	20	
Sound Pressure Level (H/M/L)	dB(A)	40/38/36	41/39/37	42/40/38	
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph			
Fan Motor	Output	kW	0.06	0.06	0.2
	Running Current	A	0.41	0.41	0.45
Connecting Pipes	Gas Pipe	mm	Φ12.7	Φ15.9	Φ15.9
		inch	1/2	5/8	5/8
	Liquid Pipe	mm	Φ6.35	Φ9.52	Φ9.52
		inch	1/4	3/8	3/8
	Connection Method		Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ30×1.5	Φ30×1.5	Φ30×1.5	
Unit Dimensions (W×D×H)	mm	900×615×200	900×615×200	1100×615×200	
Package Dimensions (W×D×H)	mm	1120×740×290	1120×740×290	1320×740×290	
Net Weight	kg	26	26	26	
Gross Weight	kg	33	33	33	
Loading Quantity (20' Container)	unit	90	90	72	
Loading Quantity (40' Container)	unit	192	192	162	
Loading Quantity (40' High Cube Container)	unit	192	192	162	

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

◆ Wall-mounted Type

Model		GMV-R22G/NaB-K	GMV-R28G/NaB-K	GMV-R36G/NaB-K	GMV-R45G/NaB-K	
Cooling Capacity	kW	2.2	2.8	3.6	4.5	
	kBtu/h	7.510	9.550	10.280	15.360	
Heating Capacity	kW	2.5	3.2	4.0	5.0	
	kBtu/h	8.350	10.920	13.650	17.060	
Air Flow Rate	m ³ /h	360	360	500	700	
	CFM	212	212	294	412	
ESP(standard/max./range)	Pa	0	0	0	0	
Sound Pressure Level (H/L)	dB(A)	37/28	37/28	43/28	43/28	
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph				
Fan Motor	Output	kW	0.014	0.014	0.022	0.022
	Running Current	A	0.15	0.15	0.22	0.22
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7
		inch	3/8	3/8	1/2	1/2
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
		inch	1/4	1/4	1/4	1/4
Connection Method		Flare Connection	Flare Connection	Flare Connection	Flare Connection	
Drain Pipes (External Dia.×Thickness)	mm	Φ20×1.5	Φ20×1.5	Φ20×1.5	Φ20×1.5	
Unit Dimensions (W×D×H)	mm	770×190×250			830×189×285	
Package Dimensions (W×D×H)	mm	955×330×272			1006×265×385	
Net Weight	kg	8	8	11	11	
Gross Weight	kg	14.3	14.3	15.8	15.8	
Loading Quantity (20' Container)	unit	357	357	294	294	
Loading Quantity (40' Container)	unit	735	735	606	606	
Loading Quantity (40' High Cube Container)	unit	840	840	676	676	

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R50G/NaB-K	GMV-R56G/NaB-K	GMV-R71G/Na-K	GMV-R80G/Na-K	
Cooling Capacity	kW	5.0	5.6	7.1	8.0	
	kBtu/h	17.060	19.100	24.230	27.300	
Heating Capacity	kW	5.8	6.3	8.0	9.0	
	kBtu/h	19.790	21.500	27.300	30.030	
Air Flow Rate	m ³ /h	700	750	1200	1200	
	CFM	412	441	706	706	
ESP(standard/max./range)	Pa	0	0	0	0	
Sound Pressure Level (H/L)	dB(A)	45/40	45/40	43/28	43/28	
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph				
Fan Motor	Output	kW	0.020	0.020	0.026	0.026
	Running Current	A	0.25	0.26	0.29	0.39
Connecting Pipes	Gas Pipe	mm	Φ12.7	Φ15.9	Φ15.9	Φ15.9
		inch	1/2	5/8	5/8	5/8
	Liquid Pipe	mm	Φ6.35	Φ9.52	Φ9.52	Φ9.52
		inch	1/4	3/8	3/8	3/8
	Connection Method		Flare Connection	Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ30×1.5	Φ30×1.5	Φ30×1.5	Φ30×1.5	
Unit Dimensions (W×D×H)	mm	1020×228×310		1178×227×326		
Package Dimensions (W×D×H)	mm	1178×325×390		1365×333×417		
Net Weight	kg	15.5	15.5	17.5	17.5	
Gross Weight	kg	20.5	20.5	23	23	
Loading Quantity (20' Container)	unit	202	202	152	152	
Loading Quantity (40' Container)	unit	420	420	303	303	
Loading Quantity (40' High Cube Container)	unit	470	470	343	343	

NOTE:

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- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

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Model		GMV-R22G/ NaG-K	GMV-R28G/ NaG-K	GMV-R36G/ NaG-K	GMV-R45G/ NaG-K	
Cooling Capacity	kW	2.2	2.8	3.6	4.5	
	kBtu/h	7.510	9.550	10.280	15.360	
Heating Capacity	kW	2.5	3.2	4.0	5.0	
	kBtu/h	8.350	10.920	13.650	17.060	
Air Flow Rate	m ³ /h	500	500	630	630	
	CFM	294	294	371	371	
ESP(standard/max./range)	Pa	0	0	0	0	
Sound Pressure Level (H/L)	dB(A)	38/34	38/34	44/38	44/38	
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph				
Fan Motor	Output	kW	0.02	0.02	0.02	0.02
	Running Current	A	0.31	0.31	0.36	0.36
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7
		inch	3/8	3/8	1/2	1/2
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
		inch	1/4	1/4	1/4	1/4
Connection Method		Flare Connection	Flare Connection	Flare Connection	Flare Connection	
Drain Pipes (External Dia.×Thickness)	mm	Φ28×4	Φ28×4	Φ28×4	Φ28×4	
Unit Dimensions (W×D×H)	mm	843×180×275		940×200×298		
Package Dimensions (W×D×H)	mm	915×255×355		1010×380×285		
Net Weight	kg	10.5	10.5	13	13	
Gross Weight	kg	12.5	12.5	16	16	
Loading Quantity (20' Container)	unit	336	336	266	266	
Loading Quantity (40' Container)	unit	702	702	557	557	
Loading Quantity (40' High Cube Container)	unit	819	819	624	624	

NOTE:

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- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R50G/ NaG-K	GMV-R56G/ NaG-K	GMV-R63G/ NaG-K	GMV-R71G/ NaG-K	
Cooling Capacity	kW	5.0	5.6	6.3	7.1	
	kBtu/h	17.060	19.100	21.496	24.230	
Heating Capacity	kW	5.8	6.3	7.0	8.0	
	kBtu/h	19.790	21.500	23.885	27.300	
Air Flow Rate	m ³ /h	630	800	800	800	
	CFM	371	471	471	471	
ESP(standard/max./range)	Pa	0	0		0	
Sound Pressure Level (H/L)	dB(A)	44/38	44/38	44/38	44/38	
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph				
Fan Motor	Output	kW	0.02	0.03	0.03	0.03
	Running Current	A	0.36	0.40	0.40	0.40
Connecting Pipes	Gas Pipe	mm	Φ12.7	Φ12.7	Φ15.9	Φ15.9
		inch	1/2	1/2	5/8	5/8
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
		inch	1/4	1/4	1/4	1/4
Connection Method		Flare Connection	Flare Connection	Flare Connection	Flare Connection	
Drain Pipes (External Dia.×Thickness)	mm	Φ28×4	Φ28×4	Φ28×4	Φ28×4	
Unit Dimensions (W×D×H)	mm	940×220×298	1008×221×319			
Package Dimensions (W×D×H)	mm	1010×380×285	1073×395×313			
Net Weight	kg	13	15	15	15	
Gross Weight	kg	16	20	20	20	
Loading Quantity (20' Container)	unit	266	210	210	210	
Loading Quantity (40' Container)	unit	557	441	441	441	
Loading Quantity (40' High Cube Container)	unit	624	503	503	503	

NOTE:

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- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

◆ Ceiling Type

Model		GMV-R28Zd/Na-K	GMV-R36Zd/Na-K	GMV-R50Zd/Na-K	GMV-R71Zd/Na-K	
Cooling Capacity	kW	2.8	3.6	5.0	7.1	
	kBtu/h	9.550	12.280	17.060	24.230	
Heating Capacity	kW	3.2	4.0	5.8	8.0	
	kBtu/h	10.920	13.650	19.790	27.300	
Air Flow Rate	m ³ /h	550	600	700	1170	
	CFM	324	353	412	689	
ESP(standard/max./range)	Pa	0	0	0	0	
Sound Pressure Level	dB(A)	43	44	50	48	
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph				
Fan Motor	Output	kW	0.01	0.01	0.04	0.1
	Running Current	A	0.1	0.1	0.4	1
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ12.7	Φ12.7	Φ15.9
		inch	3/8	1/2	1/2	5/8
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
		inch	1/4	1/4	1/4	1/4
Connection Method		Flare Connection	Flare Connection	Flare Connection	Flare Connection	
Drain Pipes (External Dia.×Thickness)	mm	Φ17×1.75	Φ17×1.75	Φ17×1.75	Φ17×1.75	
Unit Dimensions (W×D×H)	mm	840×238×695			1300×188×600	
Package Dimensions (W×D×H)	mm	1035×295×805			1514×248×724	
Net Weight	kg	28	28	28	34	
Gross Weight	kg	37	37	37	38	
Loading Quantity (20' Container)	unit	98	98	98	99	
Loading Quantity (40' Container)	unit	196	196	196	207	
Loading Quantity (40' High Cube Container)	unit	224	224	224	230	

NOTE:

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- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R90Zd/Na-K	GMV-R112Zd/Na-K	GMV-R125Zd/Na-K
Cooling Capacity	kW	9.0	11.2	12.5
	kBtu/h	30,700	38,210	42,650
Heating Capacity	kW	10.0	12.5	13.5
	kBtu/h	34,120	42,650	46,060
Air Flow Rate	m ³ /h	2100	2200	2300
	CFM	1236	1295	1354
ESP(standard/max./range)	Pa	0	0	0
Sound Pressure Level	dB(A)	51	51	55
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph		
Fan Motor	Output	kW	0.15	0.18
	Running Current	A	1.5	1.8
Connecting Pipes	Gas Pipe	mm	Φ 15.9	Φ 15.9
		inch	5/8	5/8
	Liquid Pipe	mm	Φ 9.52	Φ 9.52
		inch	3/8	3/8
	Connection Method		Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ 17×1.75	Φ 17×1.75	Φ 17×1.75
Unit Dimensions (W×D×H)	mm	1590×238×695		
Package Dimensions (W×D×H)	mm	1714×330×830		
Net Weight	kg	44	44	44
Gross Weight	kg	53	53	53
Loading Quantity (20' Container)	unit	49	49	49
Loading Quantity (40' Container)	unit	98	98	98
Loading Quantity (40' High Cube Container)	unit	98	98	98

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R28Zd/ NaB-K	GMV-R36Zd/ NaB-K	GMV-R50Zd/ NaB-K	GMV-R71Zd/ NaB-K	
Cooling Capacity	kW	2.8	3.6	5.0	7.1	
	kBtu/h	9.550	12.280	17.060	24.230	
Heating Capacity	kW	3.2	4.0	5.8	8.0	
	kBtu/h	10.920	13.650	19.790	27.300	
Air Flow Rate	m ³ /h	650	650	950	1400	
	CFM	383	383	559	824	
ESP(standard/max./range)	Pa	0	0	0	0	
Sound Pressure Level	dB(A)	40	40	45	49	
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph				
Fan Motor	Output	kW	0.01	0.01	0.04	0.075
	Running Current	A	0.1	0.1	0.4	0.64
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ12.7	Φ12.7	Φ15.9
		inch	3/8	1/2	1/2	5/8
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52
		inch	1/4	1/4	1/4	3/8
	Connection Method		Flare Connection	Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ17×1.75	Φ17×1.75	Φ17×1.75	Φ17×1.75	
Unit Dimensions (W×D×H)	mm	1220×700×225			1420×700×245	
Package Dimensions (W×D×H)	mm	1340×820×300			1545×825×330	
Net Weight	kg	40	40	40	52	
Gross Weight	kg	50	50	50	61	
Loading Quantity (20' Container)	unit	98	98	98	63	
Loading Quantity (40' Container)	unit	196	196	196	136	
Loading Quantity (40' High Cube Container)	unit	224	224	224	166	

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

Model		GMV-R90Zd/NaB-K	GMV-R112Zd/NaB-K	GMV-R125Zd/NaB-K
Cooling Capacity	kW	9.0	11.2	12.5
	kBtu/h	30,700	38,210	42,650
Heating Capacity	kW	10.0	12.5	13.5
	kBtu/h	34,120	42,650	46,060
Air Flow Rate	m ³ /h	2100	2200	2300
	CFM	1236	1295	1354
ESP(standard/max./range)	Pa	0	0	0
Sound Pressure Level	dB(A)	51	55	55
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph		
Fan Motor	Output	kW	0.15	0.18
	Running Current	A	0.82	1.1
Connecting Pipes	Gas Pipe	mm	Φ 15.9	Φ 15.9
		inch	5/8	5/8
	Liquid Pipe	mm	Φ 9.52	Φ 9.52
		inch	3/8	3/8
Connection Method		Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ 17×1.75	Φ 17×1.75	Φ 17×1.75
Unit Dimensions (W×D×H)	mm	1420×700×245	1700×700×245	
Package Dimensions (W×D×H)	mm	1545×825×330	1825×825×330	
Net Weight	kg	54	64	66
Gross Weight	kg	63	72	76
Loading Quantity (20' Container)	unit	63	108	108
Loading Quantity (40' Container)	unit	136	225	225
Loading Quantity (40' High Cube Container)	unit	166	256	256

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

◆ Floor and Wall Mounted Type

Model		GMV-R28C/Na-K	GMV-R36C/Na-K	GMV-R50C/Na-K
Cooling Capacity	kW	2.8	3.6	5.0
	kBtu/h	9.554	12.283	17.06
Heating Capacity	kW	3.2	4.0	5.5
	kBtu/h	10.918	13.648	18.766
Air Flow Rate	m ³ /h	500	600	650
	CFM	294.25	353.1	382.525
ESP(standard/max./range)	Pa	0/0	0/0	0/0
Sound Pressure Level (H/M/L)	dB(A)	38 /33 /26	40 /37 /32	46 /41 /35
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph		
Fan Motor	Output	kW	0.03	0.03
	Running Current	A	0.15	0.15
Connecting Pipes	Gas Pipe	mm	9.52	9.52
		inch	3/8	3/8
	Liquid Pipe	mm	6.35	6.35
		inch	1/4	1/4
Connection Method		Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ 17.2×1.0	Φ 17.2×1.0	Φ 17.2×1.0
Unit Dimensions (W×D×H)	mm	700 ×215 ×600	700 ×215 ×600	700 ×215 ×600
Package Dimensions (W×D×H)	mm	788 ×695 ×283	788 ×695 ×283	788 ×695 ×283
Net Weight	kg	16.0	16.0	16.0
Gross Weight	kg	19.0	19.0	19.0
Loading Quantity (20' Container)	unit	193	193	193
Loading Quantity (40' Container)	unit	387	387	387
Loading Quantity (40' High Cube Container)	unit	433	433	433

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

◆ Floor Standing Type

Model		GMV-R71L/Na-K	GMV-R100L/Na-K	GMV-R140L/Na-K	
Cooling Capacity	kW	7.0	10.0	14.0	
	kBtu/h	23.89	34.12	47.77	
Heating Capacity	kW	8	11	15	
	kBtu/h	27.30	37.53	51.18	
Air Flow Rate	m ³ /h	1100	1600	1700	
	CFM	655	952	1012	
ESP(standard/max./range)	Pa	0	0	0	
Sound Pressure Level (H/M/L)	dB(A)	48/45/42	51/49/47	52/50/48	
Power Supply	V/Hz/Ph	220-240V~50Hz-1Ph			
Fan Motor	Output	kW	0.05	0.12	0.12
	Running Current	A	0.8	1.1	1.1
Connecting Pipes	Gas Pipe	mm	Φ15.9	Φ15.9	Φ15.9
		inch	5/8	5/8	5/8
	Liquid Pipe	mm	Φ9.52	Φ9.52	Φ9.52
		inch	3/8	3/8	3/8
Connection Method		Brazing Connection	Brazing Connection	Brazing Connection	
Drain Pipes (External Dia.×Thickness)	mm	Φ31×4.5	Φ31×4.5	Φ31×4.5	
Unit Dimensions (W×D×H)	mm	502×1756×316	556×1896×381		
Package Dimensions (W×D×H)	mm	630×1940×435	735×2080×530		
Net Weight	kg	39	53	57	
Gross Weight	kg	60	73	77	
Loading Quantity (20' Container)	unit	45	33	33	
Loading Quantity (40' Container)	unit	95	67	67	
Loading Quantity (40' High Cube Container)	unit	95	67	67	

NOTE:

- ◆ The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.
- ◆ The model GMV is heat pump type. The model with the lastcode of "K" is single phase.
- ◆ Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual operation due to the environmental change.
- ◆ Rated conditions:
 Cooling : Indoor air temperature 27 °C (80.6 °F) DB/19 °C (66.2 °F) WB , Outdoor air temperature 35 °C (95 °F) DB/24 °C (75.2 °F) WB.
 Heating : Indoor air temperature 20 °C (68 °F) DB/15 °C (59 °F) WB , Outdoor air temperature 7 °C (44.6 °F) DB/6 °C (42.8 °F) WB.

8.2 Outdoor Unit

Model			GMV-Pd100W/ NaB-K	GMV-Pd120W/ NaB-K	GMV-Pd140W/ NaB-K	GMV-Pd160W/ NaB-K
Capacity	Cooling	kW	10	12	14	16
		kBtu/h	34	41	48	55
	Heating	kW	11	14	15.4	17.6
		kBtu/h	38	48	53	60
Sound Pressure Level		dB(A)	58	58	58	60
Power Supply		V/Hz/Ph	220-240V~50Hz-1Ph			
Power input	Cooling	kW	2.86	3.5	4.36	4.98
	Heating	kW	2.6	3.4	4.05	4.85
Current	Cooling	A	14.20	17.30	20.50	23.20
	Heating	A	13.20	16.40	19.60	21.90
Circuit breaker		A	40	40	40	40
Recommended Power Lines		mm ² ×N	6×3	6×3	10×3	10×3
Moisture protection			IPX4	IPX4	IPX4	IPX4
Climate Type			T1	T1	T1	T1
Connecting pipe	Gas Pipe	mm	Φ 15.9	Φ 15.9	Φ 15.9	Φ 19.05
		Inch	5/8	5/8	5/8	3/4
	Liquid Pipe	mm	Φ 9.52	Φ 9.52	Φ 9.52	Φ 9.52
		Inch	3/8	3/8	3/8	3/8
	Connection Method			Flare Connection	Flare Connection	Flare Connection
Dimensions of Unit	Width	mm	950	950	950	950
	Depth	mm	340	340	340	340
	Height	mm	1250	1250	1250	1250
Dimensions of Package	Width	mm	1110	1110	1110	1110
	Depth	mm	450	450	450	450
	Height	mm	1280	1280	1280	1280
Net Weight		kg	111	111	111	115
Gross Weight		kg	122	122	122	122
Loading Quantity (20' Container)		unit	26	26	26	26
Loading Quantity (40' Container)		unit	54	54	54	54
Loading Quantity (40' High Cube Container)		unit	54	54	54	54

NOTE:

- ◆ Cooling : Indoor air temperature 27°C (80.4 °F) DB/19°C (66.2 °F) WB , Outdoor air temperature 35°C (95 °F) DB/24°C (75.2 °F) WB.
- ◆ Heating : Indoor air temperature 20°C (68 °F) DB/15°C (59 °F) WB , Outdoor air temperature 7°C (44.6 °F) DB/6°C (42.8 °F) WB.
- ◆ Interior Dimensions: L×W×H: 5898×2352×2393,Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2390, Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2697,Door Opening W×H: 2338×2585.

Model(Combined unit)			—	—	—
Model			GMV-Pdm224W/NaB-M	GMV-Pdm280W/NaB-M	GMV-Pdm335W/NaB-M
Capacity	Cooling	kW	22.4	28	33.5
		kBtu/h	76.43	95.536	114.302
	Heating	kW	25	31.5	37.5
		kBtu/h	85.3	107.478	127.95
Sound Pressure Level		dB(A)	58	58	60
Power Supply		V/Hz/Ph	380-415V~50Hz-3Ph		
Power input	Cooling	kW	5.52	7.52	9.23
	Heating	kW	5.82	7.7	9.38
Current	Cooling	A	9.87	13.44	16.50
	Heating	A	10.4	13.76	16.77
Circuit breaker		A	32	32	40
Recommended Power Lines		mm ² ×N	6×5	6×5	10×5
Moisture protection			IP24	IP24	IP24
Climate Type			T1	T1	T1
Connecting pipe	Gas Pipe	mm	Φ22.2	Φ22.2	Φ28.6
		Inch	7/8	7/8	9/8
	Liquid Pipe	mm	Φ9.52	Φ9.52	Φ12.7
		Inch	3/8	3/8	1/2
	Oil Pipe	mm	—	—	—
		Inch	—	—	—
Connection Method			Brazing Connection	Brazing Connection	Brazing Connection
Dimensions of Unit	Width	mm	930	930	1340
	Depth	mm	770	770	770
	Height	mm	1670	1670	1670
Dimensions of Package	Width	mm	1010	1010	1420
	Depth	mm	850	850	850
	Height	mm	1850	1850	1850
Net Weight		kg	255	255	350
Gross Weight		kg	275	275	380
Loading Quantity (20' Container)		unit	12	12	7
Loading Quantity (40' Container)		unit	24	24	16
Loading Quantity (40' High Cube Container)		unit	24	24	16

NOTE:

- ◆ Cooling : Indoor air temperature 27°C (80.4 °F) DB/19°C (66.2 °F) WB , Outdoor air temperature 35°C (95 °F) DB/24°C (75.2 °F) WB.
- ◆ Heating : Indoor air temperature 20°C (68 °F) DB/15°C (59 °F) WB , Outdoor air temperature 7°C (44.6 °F) DB/6°C (42.8 °F) WB.
- ◆ Interior Dimensions: L×W×H: 5898×2352×2393,Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2390, Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2697,Door Opening W×H: 2338×2585.

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Model(Combined unit)			—	—	GMV-Pdm504W2/NaB-M
Model			GMV-Pdm400W/NaB-M	GMV-Pdm450W/NaB-M	GMV-Pdm224W/NaB-M +GMV-Pdm280W/NaB-M
Capacity	Cooling	kW	40	45	50.4
		kBtu/h	136.48	153.54	171.964
	Heating	kW	45	50	56.5
		kBtu/h	153.54	170.6	192.778
Sound Pressure Level		dB(A)	61	61	2+13
Power Supply		V/Hz/Ph	380-415V~50Hz-3Ph		
Power input	Cooling	kW	12.45	14.32	5.52+7.52
	Heating	kW	11.2	13.9	5.82+7.70
Current	Cooling	A	22.25	25.6	9.87+13.44
	Heating	A	20.02	24.85	10.4+13.76
Circuit breaker		A	40	40	32+32
Recommended Power Lines		mm ² ×N	10×5	10×5	6×5+6×5
Moisture protection			IP24	IP24	IP24
Climate Type			T1	T1	T1
Connecting pipe	Gas Pipe	mm	Φ28.6	Φ28.6	Φ28.6
		Inch	9/8	9/8	9/8
	Liquid Pipe	mm	Φ12.7	Φ12.7	Φ15.9
		Inch	1/2	1/2	5/8
	Oil Pipe	mm	—	—	Φ12.7
		Inch	—	—	1/2
Connection Method			Brazing Connection	Brazing Connection	Brazing Connection
Dimensions of Unit	Width	mm	1340	1340	930+930
	Depth	mm	770	770	770+770
	Height	mm	1670	1670	1670+1670
Dimensions of Package	Width	mm	1420	1420	1010+1010
	Depth	mm	850	850	850+850
	Height	mm	1850	1850	1850+1850
Net Weight		kg	350	370	255+255
Gross Weight		kg	380	400	275+275
Loading Quantity (20' Container)		unit	7	7	—
Loading Quantity (40' Container)		unit	16	16	—
Loading Quantity (40' High Cube Container)		unit	24	24	—

NOTE:

- ◆ Cooling : Indoor air temperature 27°C (80.4 °F) DB/19°C (66.2 °F) WB , Outdoor air temperature 35°C (95 °F) DB/24°C (75.2 °F) WB.
- ◆ Heating : Indoor air temperature 20°C (68 °F) DB/15°C (59 °F) WB , Outdoor air temperature 7°C (44.6 °F) DB/6°C (42.8 °F) WB.
- ◆ Interior Dimensions: L×W×H: 5898×2352×2393,Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2390, Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2697,Door Opening W×H: 2338×2585.

Model(Combined unit)			GMV-Pdm560W2/NaB-M	GMV-Pdm615W2/NaB-M	GMV-Pdm670W2/NaB-M
Model			GMV-Pdm280W/NaB-M +GMV-Pdm280W/NaB-M	GMV-Pdm280W/NaB-M +GMV-Pdm335W/NaB-M	GMV-Pdm280W/NaB-M +GMV-Pdm400W/NaB-M
Capacity	Cooling	kW	56.0	61.5	68.0
		kBtu/h	191.072	209.838	232.016
	Heating	kW	63.0	69.0	76.5
		kBtu/h	214.956	235.428	261.018
Sound Pressure Level		dB(A)	62	62	62
Power Supply		V/Hz/Ph	380-415V~50Hz-3Ph		
Power input	Cooling	kW	7.52+7.52	7.52+9.23	7.52+12.45
	Heating	kW	7.70+7.70	7.70+9.38	7.70+11.2
Current	Cooling	A	13.44+13.44	13.44+16.50	13.44+22.25
	Heating	A	13.76+13.76	13.76+16.77	13.76+20.02
Circuit breaker		A	32+32	32+40	32+40
Recommended Power Lines		mm ² ×N	6×5+6×5	6×5+10×5	6×5+10×5
Moisture protection			IP24	IP24	IP24
Climate Type			T1	T1	T1
Connecting pipe	Gas Pipe	mm	Φ28.6	Φ28.6	Φ28.6
		Inch	9/8	9/8	9/8
	Liquid Pipe	mm	Φ15.9	Φ15.9	Φ15.9
		Inch	5/8	5/8	5/8
	Oil Pipe	mm	Φ12.7	Φ12.7	Φ12.7
		Inch	1/2	1/2	1/2
Connection Method			Brazing Connection	Brazing Connection	Brazing Connection
Dimensions of Unit	Width	mm	930+930	930+1340	930+1340
	Depth	mm	770+770	770+770	770+770
	Height	mm	1670+1670	1670+1670	1670+1670
Dimensions of Package	Width	mm	1010+1010	1010+1420	1010+1420
	Depth	mm	850+850	850+850	850+850
	Height	mm	1850+1850	1850+1850	1850+1850
Net Weight		kg	255+255	255+350	255+350
Gross Weight		kg	275+275	275+380	275+380
Loading Quantity (20' Container)		unit	—	—	—
Loading Quantity (40' Container)		unit	—	—	—
Loading Quantity (40' High Cube Container)		unit	—	—	—

NOTE:

- ◆ Cooling : Indoor air temperature 27°C (80.4 °F) DB/19°C (66.2 °F) WB , Outdoor air temperature 35°C (95 °F) DB/24°C (75.2 °F) WB.
- ◆ Heating : Indoor air temperature 20°C (68 °F) DB/15°C (59 °F) WB , Outdoor air temperature 7°C (44.6 °F) DB/6°C (42.8 °F) WB.
- ◆ Interior Dimensions: L×W×H: 5898×2352×2393,Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2390, Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2697,Door Opening W×H: 2338×2585.

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Model(Combined unit)			GMV-Pdm730W2/NaB-M	GMV-Pdm785W2/NaB-M	GMV-Pdm850W2/NaB-M
Model			GMV-Pdm280W/NaB-M +GMV-Pdm450W/NaB-M	GMV-Pdm335W/NaB-M +GMV-Pdm450W/NaB-M	GMV-Pdm400W/NaB-M +GMV-Pdm450W/NaB-M
Capacity	Cooling	kW	73.0	80.0	85.0
		kBtu/h	249.076	272.960	290.020
	Heating	kW	81.5	90.0	95.0
		kBtu/h	278.078	307.080	324.140
Sound Pressure Level		dB(A)	63	63	63
Power Supply		V/Hz/Ph	380-415V~50Hz-3Ph		
Power input	Cooling	kW	7.52+14.32	9.23+14.32	12.45+14.32
	Heating	kW	7.70+13.90	9.38+13.90	11.20+13.90
Current	Cooling	A	13.44+25.6	16.50+25.60	22.25+25.60
	Heating	A	13.76+24.85	16.77+24.85	20.02+24.85
Circuit breaker		A	32+40	40+40	40+40
Recommended Power Lines		mm ² ×N	6×5+10×5	10×5+10×5	10×5+10×5
Moisture protection			IP24	IP24	IP24
Climate Type			T1	T1	T1
Connecting pipe	Gas Pipe	mm	Φ34.9	Φ34.9	Φ34.9
		Inch	1 1/8	1 1/8	1 1/8
	Liquid Pipe	mm	Φ19.05	Φ19.05	Φ19.05
		Inch	3/4	3/4	3/4
	Oil Pipe	mm	Φ12.7	Φ12.7	Φ12.7
		Inch	1/2	1/2	1/2
Connection Method			Brazing Connection	Brazing Connection	Brazing Connection
Dimensions of Unit	Width	mm	930+1340	1340+1340	1340+1340
	Depth	mm	770+770	770+770	770+770
	Height	mm	1670+1670	1670+1670	1670+1670
Dimensions of Package	Width	mm	1010+1420	1420+1420	1420+1420
	Depth	mm	850+850	850+850	850+850
	Height	mm	1850+1850	1850+1850	1850+1850
Net Weight		kg	255+370	350+350	350+370
Gross Weight		kg	275+400	380+380	380+400
Loading Quantity (20' Container)		unit	—	—	—
Loading Quantity (40' Container)		unit	—	—	—
Loading Quantity (40' High Cube Container)		unit	—	—	—

NOTE:

- ◆ Cooling : Indoor air temperature 27°C (80.4 °F) DB/19°C (66.2 °F) WB , Outdoor air temperature 35°C (95 °F) DB/24°C (75.2 °F) WB.
- ◆ Heating : Indoor air temperature 20°C (68 °F) DB/15°C (59 °F) WB , Outdoor air temperature 7°C (44.6 °F) DB/6°C (42.8 °F) WB.
- ◆ Interior Dimensions: L×W×H: 5898×2352×2393,Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2390, Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2697,Door Opening W×H: 2338×2585.

Model(Combined unit)			GMV-Pdm900W2/NaB-M	GMV-Pdm950W3/NaB-M	GMV-Pdm1008W3/NaB-M
Model			GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M	GMV-Pdm280W/NaB-M +GMV-Pdm280W/NaB-M +GMV-Pdm400W/NaB-M	GMV-Pdm280W/NaB-M +GMV-Pdm280W/NaB-M +GMV-Pdm450W/NaB-M
Capacity	Cooling	kW	90.0	96.0	101.0
		kBtu/h	307.080	327.552	344.612
	Heating	kW	100.0	108.0	113.0
		kBtu/h	341.200	368.496	385.526
Sound Pressure Level		dB(A)	63	64	64
Power Supply		V/Hz/Ph	380-415V~50Hz-3Ph		
Power input	Cooling	kW	14.32+14.32	7.52+7.52+12.45	7.52+7.52+14.32
	Heating	kW	13.90+13.90	7.70+7.70+11.2	7.70+7.70+13.90
Current	Cooling	A	25.6+25.6	13.44+13.44+22.25	13.44+13.44+25.6
	Heating	A	24.85+24.85	13.76+13.76+20.02	13.76+13.76+24.85
Circuit breaker		A	40+40	32+32+40	32+32+40
Recommended Power Lines		mm ² ×N	10×5+10×5	6×5+6×5+10×5	6×5+6×5+10×5
Moisture protection			IP24	IP24	IP24
Climate Type			T1	T1	T1
Connecting pipe	Gas Pipe	mm	Φ 34.9	Φ 34.9	Φ 41.3
		Inch	1 1/8	1 1/8	1 3/8
	Liquid Pipe	mm	Φ 19.05	Φ 19.05	Φ 19.05
		Inch	3/4	3/4	3/4
	Oil Pipe	mm	Φ 12.7	Φ 12.7	Φ 12.7
		Inch	1/2	1/2	1/2
Connection Method			Brazing Connection	Brazing Connection	Brazing Connection
Dimensions of Unit	Width	mm	1340+1340	930+930+1340	930+930+1340
	Depth	mm	770+770	770+770+770	770+770+770
	Height	mm	1670+1670	1670+1670+1670	1670+1670+1670
Dimensions of Package	Width	mm	1420+1420	1010+1010+1420	1010+1010+1420
	Depth	mm	850+850	850+850+850	850+850+850
	Height	mm	1850+1850	1850+1850+1850	1850+1850+1850
Net Weight		kg	370+370	255+255+350	255+255+370
Gross Weight		kg	400+400	275+275+380	275+275+400
Loading Quantity (20' Container)		unit	—	—	—
Loading Quantity (40' Container)		unit	—	—	—
Loading Quantity (40' High Cube Container)		unit	—	—	—

NOTE:

- ◆ Cooling : Indoor air temperature 27°C (80.4 °F) DB/19°C (66.2 °F) WB , Outdoor air temperature 35°C (95 °F) DB/24°C (75.2 °F) WB.
- ◆ Heating : Indoor air temperature 20°C (68 °F) DB/15°C (59 °F) WB , Outdoor air temperature 7°C (44.6 °F) DB/6°C (42.8 °F) WB.
- ◆ Interior Dimensions: L×W×H: 5898×2352×2393,Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2390, Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2697,Door Opening W×H: 2338×2585.

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Model(Combined unit)			GMV-Pdm1065W3/NaB-M	GMV-Pdm1130W3/NaB-M	GMV-Pdm1180W3/NaB-M
Model			GMV-Pdm280W/NaB-M +GMV-Pdm400W/NaB-M +GMV-Pdm400W/NaB-M	GMV-Pdm280W/NaB-M +GMV-Pdm400W/NaB-M +GMV-Pdm450W/NaB-M	GMV-Pdm280W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M
Capacity	Cooling	kW	108.0	113.0	118.0
		kBtu/h	368.469	385.556	402.616
	Heating	kW	121.5	126.5	131.5
		kBtu/h	414.558	431.618	448.678
Sound Pressure Level		dB(A)	64	64	64
Power Supply		V/Hz/Ph	380-415V~50Hz-3Ph		
Power input	Cooling	kW	7.52+12.45+12.45	7.52+12.45+14.32	7.52+14.32+14.32
	Heating	kW	7.70+11.2+11.2	7.70+11.2+13.9	7.70+13.90+13.90
Current	Cooling	A	13.44+22.25+22.25	13.44+22.25+25.6	13.44+25.6+25.6
	Heating	A	13.76+20.02+20.02	13.76+20.02+24.85	13.76+24.85+24.85
Circuit breaker		A	32+40+40	32+40+40	32+40+40
Recommended Power Lines		mm ² ×N	6×5+10×5+10×5	6×5+10×5+10×5	6×5+10×5+10×5
Moisture protection			IP24	IP24	IP24
Climate Type			T1	T1	T1
Connecting pipe	Gas Pipe	mm	Φ41.3	Φ41.3	Φ41.3
		Inch	13/8	13/8	13/8
	Liquid Pipe	mm	Φ19.05	Φ19.05	Φ19.05
		Inch	3/4	3/4	3/4
	Oil Pipe	mm	Φ12.7	Φ12.7	Φ12.7
		Inch	1/2	1/2	1/2
Connection Method			Brazing Connection	Brazing Connection	Brazing Connection
Dimensions of Unit	Width	mm	930+1340+1340	930+1340+1340	930+1340+1340
	Depth	mm	770+770+770	770+770+770	770+770+770
	Height	mm	1670+1670+1670	1670+1670+1670	1670+1670+1670
Dimensions of Package	Width	mm	1010+1420+1420	1010+1420+1420	1010+1420+1420
	Depth	mm	850+850+850	850+850+850	850+850+850
	Height	mm	1850+1850+1850	1850+1850+1850	1850+1850+1850
Net Weight		kg	255+350+350	255+350+370	255+370+370
Gross Weight		kg	275+380+380	275+380+400	275+400+400
Loading Quantity (20' Container)		unit	—	—	—
Loading Quantity (40' Container)		unit	—	—	—
Loading Quantity (40' High Cube Container)		unit	—	—	—

NOTE:

- ◆ Cooling : Indoor air temperature 27°C (80.4 °F) DB/19°C (66.2 °F) WB , Outdoor air temperature 35°C (95 °F) DB/24°C (75.2 °F) WB.
- ◆ Heating : Indoor air temperature 20°C (68 °F) DB/15°C (59 °F) WB , Outdoor air temperature 7°C (44.6 °F) DB/6°C (42.8 °F) WB.
- ◆ Interior Dimensions: L×W×H: 5898×2352×2393,Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2390, Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2697,Door Opening W×H: 2338×2585.

Model(Combined unit)			GMV-Pdm1235W3/NaB-M	GMV-Pdm1300W3/NaB-M	GMV-Pdm1350W3/NaB-M
Model			GMV-Pdm335W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M	GMV-Pdm400W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M	GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M
Capacity	Cooling	kW	125.0	130.0	135.0
		kBtu/h	426.500	443.560	460.620
	Heating	kW	14.0	145.0	150.0
		kBtu/h	477.680	494.740	511.800
Sound Pressure Level		dB(A)	65	65	65
Power Supply		V/Hz/Ph	380-415V~50Hz-3Ph		
Power input	Cooling	kW	9.23+14.32+14.32	12.45+14.32+14.32	14.32+14.32+14.32
	Heating	kW	9.38+13.9+13.9	11.2+13.9+13.9	13.90+13.90+13.90
Current	Cooling	A	16.5+25.6+25.6	22.25+25.6+25.6	25.6+25.6+25.6
	Heating	A	16.77+24.85+24.85	20.02+24.85+24.85	24.85+24.85+24.85
Circuit breaker		A	40+40+40	40+40+40	40+40+40
Recommended Power Lines		mm ² ×N	10×5+10×5+10×5	10×5+10×5+10×5	10×5+10×5+10×5
Moisture protection			IP24	IP24	IP24
Climate Type			T1	T1	T1
Connecting pipe	Gas Pipe	mm	Φ41.3	Φ41.3	Φ41.3
		Inch	13/8	13/8	13/8
	Liquid Pipe	mm	Φ19.05	Φ19.05	Φ19.05
		Inch	3/4	3/4	3/4
	Oil Pipe	mm	Φ12.7	Φ12.7	Φ12.7
		Inch	1/2	1/2	1/2
Connection Method			Brazing Connection	Brazing Connection	Brazing Connection
Dimensions of Unit	Width	mm	1340+1340+1340	1340+1340+1340	1340+1340+1340
	Depth	mm	770+770+770	770+770+770	770+770+770
	Height	mm	1670+1670+1670	1670+1670+1670	1670+1670+1670
Dimensions of Package	Width	mm	1420+1420+1420	1420+1420+1420	1420+1420+1420
	Depth	mm	850+850+850	850+850+850	850+850+850
	Height	mm	1850+1850+1850	1850+1850+1850	1850+1850+1850
Net Weight		kg	350+350+370	350+370+370	370+370+370
Gross Weight		kg	380+380+400	380+400+400	400+400+400
Loading Quantity (20' Container)		unit	—	—	—
Loading Quantity (40' Container)		unit	—	—	—
Loading Quantity (40' High Cube Container)		unit	—	—	—

NOTE:

- ◆ Cooling : Indoor air temperature 27°C (80.4 °F) DB/19°C (66.2 °F) WB , Outdoor air temperature 35°C (95 °F) DB/24°C (75.2 °F) WB.
- ◆ Heating : Indoor air temperature 20°C (68 °F) DB/15°C (59 °F) WB , Outdoor air temperature 7°C (44.6 °F) DB/6°C (42.8 °F) WB.
- ◆ Interior Dimensions: L×W×H: 5898×2352×2393,Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2390, Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2697,Door Opening W×H: 2338×2585.

DC Inverter Multi VRF Technical Sales Guide

Model(Combined unit)			GMV-Pdm1405W4/NaB-M	GMV-Pdm1456W4/NaB-M	GMV-Pdm1512W4/NaB-M
Model			GMV-Pdm280W/NaB-M +GMV-Pdm280W/NaB-M +GMV-Pdm400W/NaB-M +GMV-Pdm450W/NaB-M	GMV-Pdm280W/NaB-M +GMV-Pdm280W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M	GMV-Pdm280W/NaB-M +GMV-Pdm400W/NaB-M +GMV-Pdm400W/NaB-M +GMV-Pdm450W/NaB-M
Capacity	Cooling	kW	141.0	146.0	153.0
		kBtu/h	481.092	498.152	522.036
	Heating	kW	158.0	163.0	171.0
		kBtu/h	539.096	556.156	585.158
Sound Pressure Level		dB(A)	65	65	65
Power Supply		V/Hz/Ph	380-415V~50Hz-3Ph		
Power input	Cooling	kW	7.52+7.52+12.45+14.32	7.52+7.52+14.32+14.32	7.52+12.45+12.45+14.32
	Heating	kW	7.70+7.70+11.2+13.9	7.70+7.70+13.90+13.90	7.70+11.2+11.2+13.9
Current	Cooling	A	13.44+13.44+22.25+25.6	13.44+13.44+25.6+25.6	13.44+22.25+22.25+25.6
	Heating	A	13.76+13.76+20.02+24.85	13.76+13.76+24.85+24.85	13.76+20.02+20.02+24.85
Circuit breaker		A	31+32+40+40	32+32+40+40	32+40+40+40
Recommended Power Lines		mm ² ×N	6×5+6×5+10×5+10×5	6×5+6×5+10×5+10×5	6×5+10×5+10×5+10×5
Moisture protection			IP24	IP24	IP24
Climate Type			T1	T1	T1
Connecting pipe	Gas Pipe	mm	Φ44.5	Φ44.5	Φ41.3
		Inch	7/4	7/4	13/8
	Liquid Pipe	mm	Φ22.2	Φ22.2	Φ19.05
		Inch	7/8	7/8	3/4
	Oil Pipe	mm	Φ12.7	Φ12.7	Φ12.7
		Inch	1/2	1/2	1/2
Connection Method			Brazing Connection	Brazing Connection	Brazing Connection
Dimensions of Unit	Width	mm	930+930+1340+1340	930+930+1340+1340	930+1340+1340+1340
	Depth	mm	770+770+770+770	770+770+770+770	770+770+770+770
	Height	mm	1670+1670+1670+1670	1670+1670+1670+1670	1670+1670+1670+1670
Dimensions of Package	Width	mm	1010+1010+1420+1420	1010+1010+1420+1420	1010+1420+1420+1420
	Depth	mm	850+850+850+850	850+850+850+850	850+850+850+850
	Height	mm	1850+1850+1850+1850	1850+1850+1850+1850	1850+1850+1850+1850
Net Weight		kg	255+255+350+370	255+255+370+370	255+350+350+370
Gross Weight		kg	275+275+380+400	275+275+400+400	275+380+380+400
Loading Quantity (20' Container)		unit	—	—	—
Loading Quantity (40' Container)		unit	—	—	—
Loading Quantity (40' High Cube Container)		unit	—	—	—

NOTE:

- ◆ Cooling : Indoor air temperature 27°C (80.4 °F) DB/19°C (66.2 °F) WB , Outdoor air temperature 35°C (95 °F) DB/24°C (75.2 °F) WB.
- ◆ Heating : Indoor air temperature 20°C (68 °F) DB/15°C (59 °F) WB , Outdoor air temperature 7°C (44.6 °F) DB/6°C (42.8 °F) WB.
- ◆ Interior Dimensions: L×W×H: 5898×2352×2393,Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2390, Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2697,Door Opening W×H: 2338×2585.

Model(Combined unit)			GMV-Pdm1570W4/NaB-M	GMV-Pdm1650W4/NaB-M	GMV-Pdm1700W4/NaB-M
Model			GMV-Pdm280W/NaB-M +GMV-Pdm400W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M	GMV-Pdm280W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M	GMV-Pdm335W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M
Capacity	Cooling	kW	155.0	163.0	170.0
		kBtu/h	528.860	556.156	580.040
	Heating	kW	176.5	181.5	190.0
		kBtu/h	602.218	619.278	648.280
Sound Pressure Level		dB(A)	65	66	66
Power Supply		V/Hz/Ph	380-415V~50Hz-3Ph		
Power input	Cooling	kW	7.52+12.45+14.32+14.32	7.52+14.32+14.32+14.32	9.23+14.32+14.32+14.32
	Heating	kW	7.70+11.2+13.9+13.9	7.70+13.90+13.90+13.90	9.38+13.9+13.9+13.9
Current	Cooling	A	13.44+22.25+25.6+25.6	13.44+25.6+25.6+25.6	16.5+25.6+25.6+25.6
	Heating	A	13.76+20.02+24.85+24.85	13.76+24.85+24.85+24.85	16.77+24.58+24.85+24.85
Circuit breaker		A	32+40+40+40	32+40+40+40	40+40+40+40
Recommended Power Lines		mm ² ×N	6×5+10×5+10×5+10×5	6×5+10×5+10×5+10×5	10×5+10×5+10×5+10×5
Moisture protection			IP24	IP24	IP24
Climate Type			T1	T1	T1
Connecting pipe	Gas Pipe	mm	Φ44.5	Φ54.1	Φ54.1
		Inch	7/4	17/8	17/8
	Liquid Pipe	mm	Φ22.2	Φ25.4	Φ25.4
		Inch	7/8	1	1
	Oil Pipe	mm	Φ12.7	Φ12.7	Φ12.7
		Inch	1/2	1/2	1/2
Connection Method			Brazing Connection	Brazing Connection	Brazing Connection
Dimensions of Unit	Width	mm	930+1340+1340+1340	930+1340+1340+1340	1340+1340+1340+1340
	Depth	mm	770+770+770+770	770+770+770+770	770+770+770+770
	Height	mm	1670+1670+1670+1670	1670+1670+1670+1670	1670+1670+1670+1670
Dimensions of Package	Width	mm	1010+1420+1420+1420	1010+1420+1420+1420	1420+1420+1420+1420
	Depth	mm	850+850+850+850	850+850+850+850	850+850+850+850
	Height	mm	1850+1850+1850+1850	1850+1850+1850+1850	1850+1850+1850+1850
Net Weight		kg	255+350+370+370	255+370+370+370	350+350+370+370
Gross Weight		kg	275+380+400+400	275+370+400+400	380+380+400+400
Loading Quantity (20' Container)		unit	—	—	—
Loading Quantity (40' Container)		unit	—	—	—
Loading Quantity (40' High Cube Container)		unit	—	—	—

NOTE:

- ◆ Cooling : Indoor air temperature 27°C (80.4 °F) DB/19°C (66.2 °F) WB , Outdoor air temperature 35°C (95 °F) DB/24°C (75.2 °F) WB.
- ◆ Heating : Indoor air temperature 20°C (68 °F) DB/15°C (59 °F) WB , Outdoor air temperature 7°C (44.6 °F) DB/6°C (42.8 °F) WB.
- ◆ Interior Dimensions: L×W×H: 5898×2352×2393,Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2390, Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2697,Door Opening W×H: 2338×2585.

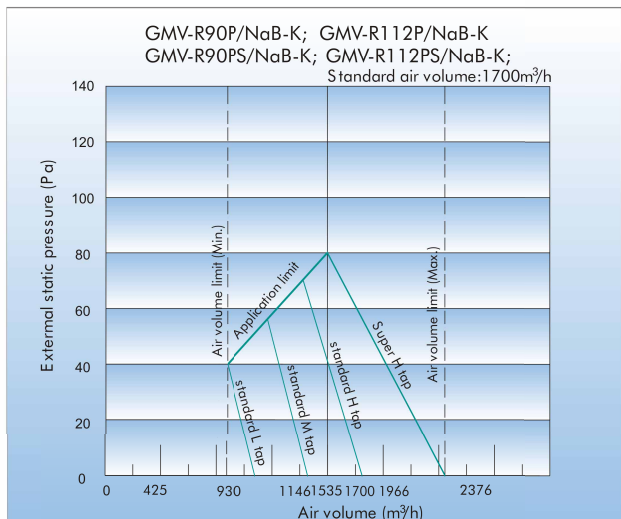
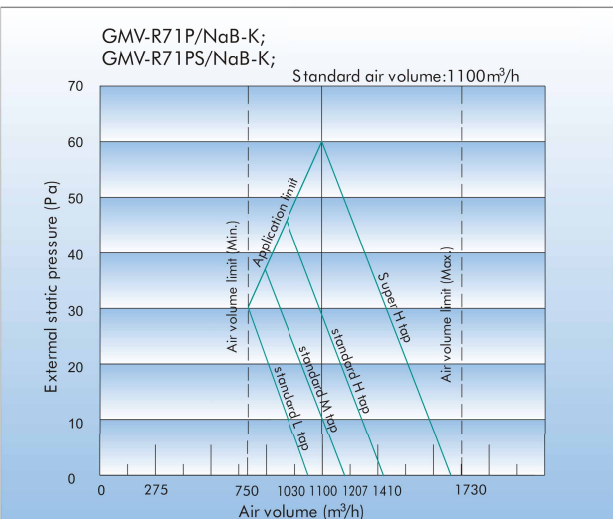
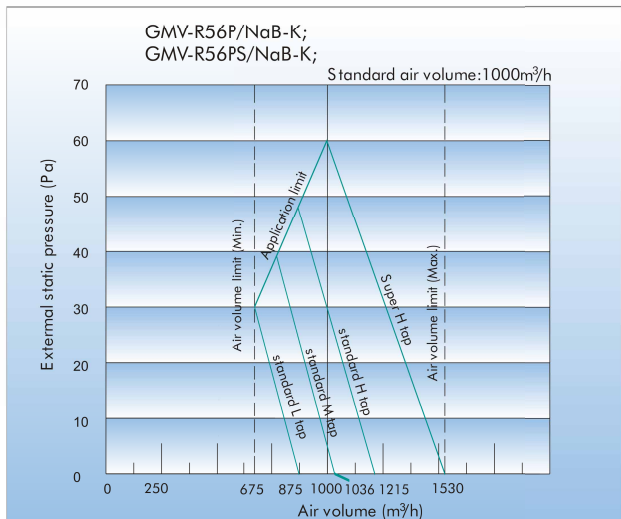
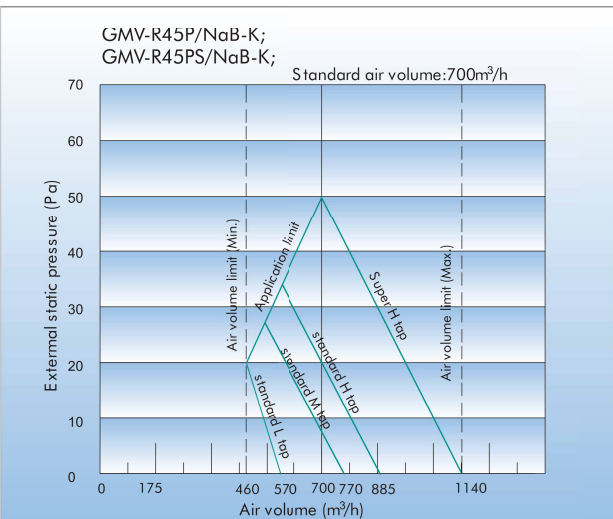
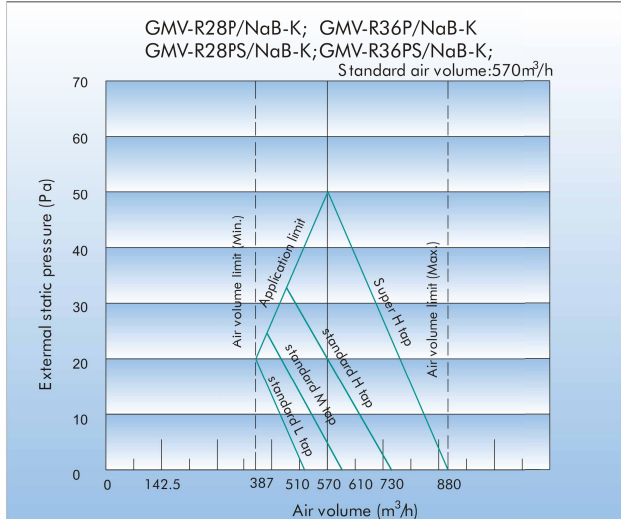
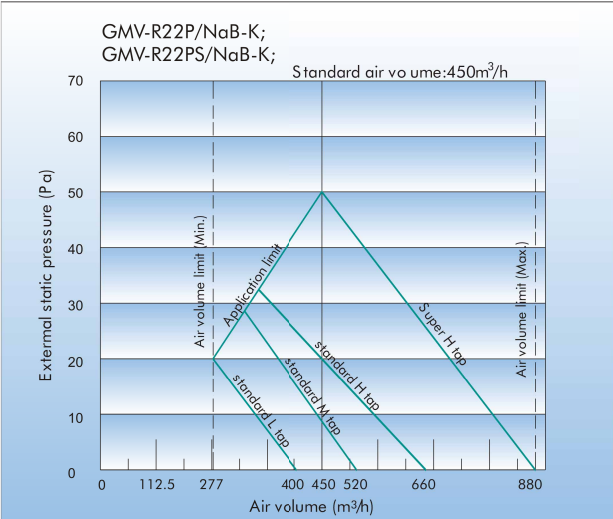
DC Inverter Multi VRF Technical Sales Guide

Model(Combined unit)			GMV-Pdm1750W4/NaB-M	GMV-Pdm1800W4/NaB-M
Model			GMV-Pdm400W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M	GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M +GMV-Pdm450W/NaB-M
Capacity	Cooling	kW	175.0	180.0
		kBtu/h	597.100	614.160
	Heating	kW	195.0	200.0
		kBtu/h	665.340	682.400
Sound Pressure Level		dB(A)	65	66
Power Supply		V/Hz/Ph		
Power input	Cooling	kW	12.45+14.32+14.32+14.32	14.32+14.32+14.32+14.32
	Heating	kW	11.2+13.9013.90+13.90	13.9+13.9+13.9+13.9
Current	Cooling	A	22.25+25.6+25.6+25.6	25.6+25.6+25.6+25.6
	Heating	A	20.02+24.85+24.85+24.85	24.85+24.85+24.85+24.85
Circuit breaker		A	40+40+40+40	40+40+40+40
Recommended Power Lines		mm ² ×N	10×5+10×5+10×5+10×5	10×5+10×5+10×5+10×5
Moisture protection			IP24	IP24
Climate Type			T1	T1
Connecting pipe	Gas Pipe	mm	Φ54.1	Φ54.1
		Inch	17/8	17/8
	Liquid Pipe	mm	Φ25.4	Φ25.4
		Inch	1	1
	Oil Pipe	mm	Φ12.7	Φ12.7
		Inch	1/2	1/2
Connection Method			Brazing Connection	Brazing Connection
Dimensions of Unit	Width	mm	1340+1340+1340+1340	1340+1340+1340+1340
	Depth	mm	770+770+770+770	770+770+770+770
	Height	mm	1670+1670+1670+1670	1670+1670+1670+1670
Dimensions of Package	Width	mm	1420+1420+1420+1420	1420+1420+1420+1420
	Depth	mm	850+850+850+850	850+850+850+850
	Height	mm	1850+1850+1850+1850	1850+1850+1850+1850
Net Weight		kg	350+370+370+370	370+370+370+370
Gross Weight		kg	380+370+400+400	400+400+400+400
Loading Quantity (20' Container)		unit	—	—
Loading Quantity (40' Container)		unit	—	—
Loading Quantity (40' High Cube Container)		unit	—	—

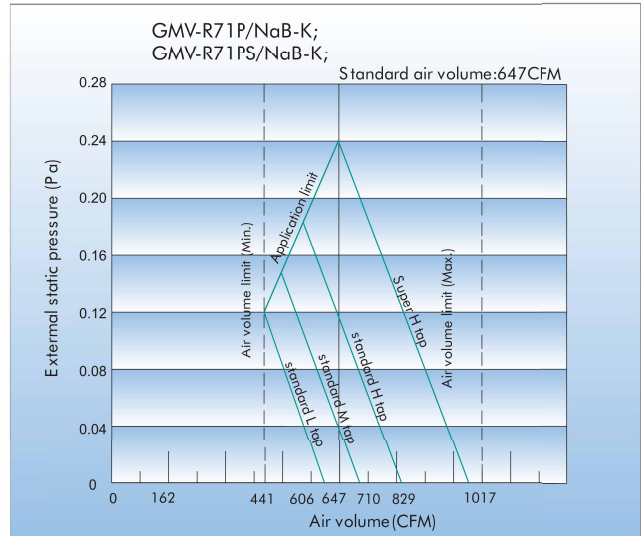
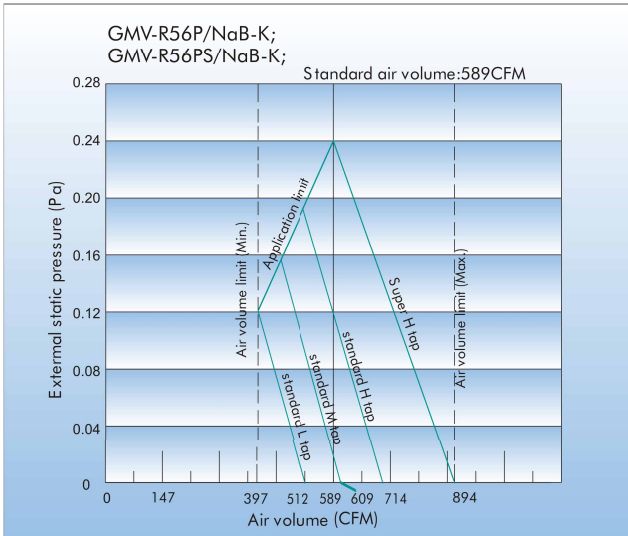
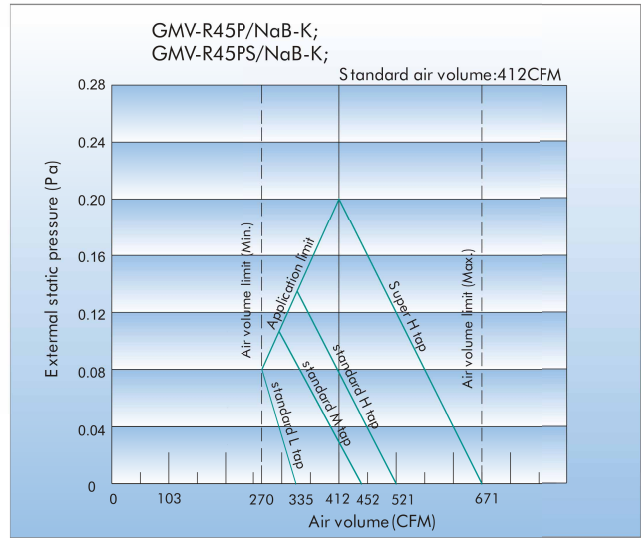
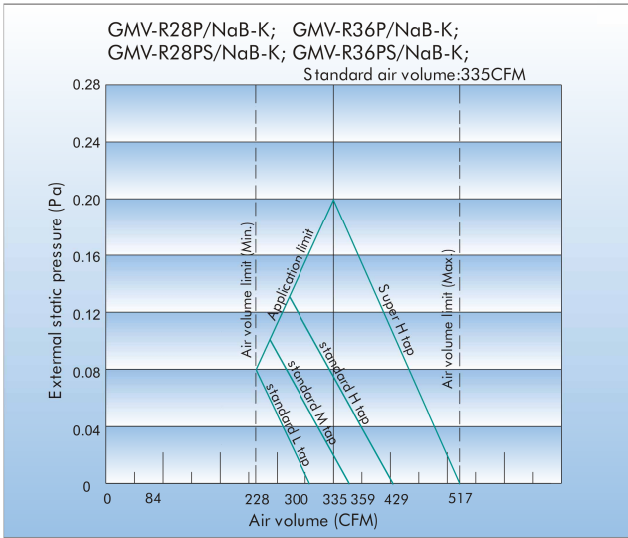
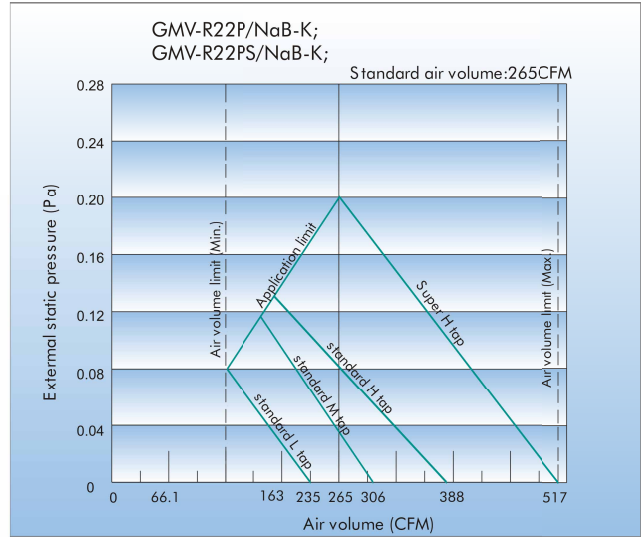
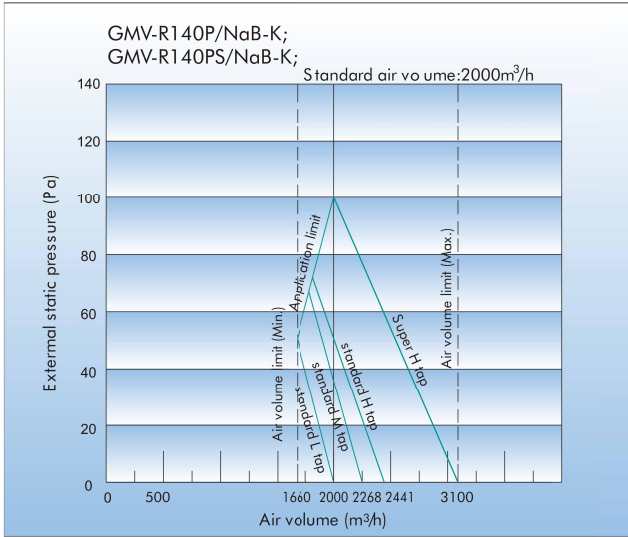
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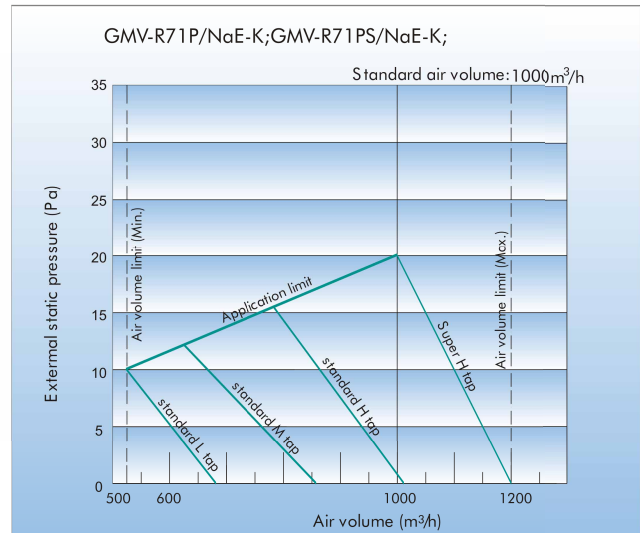
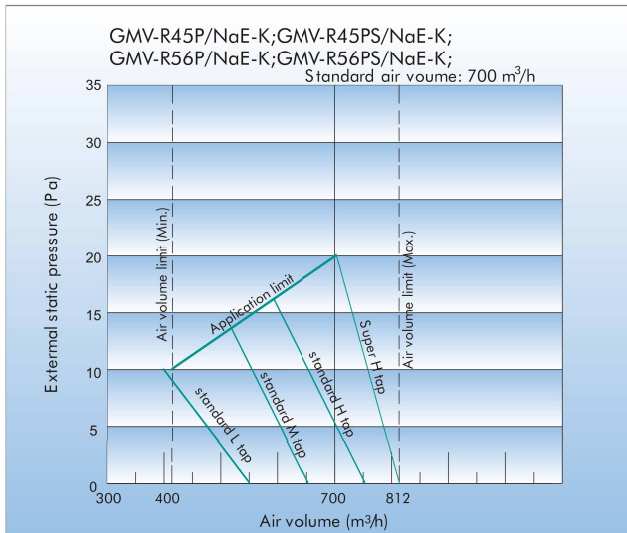
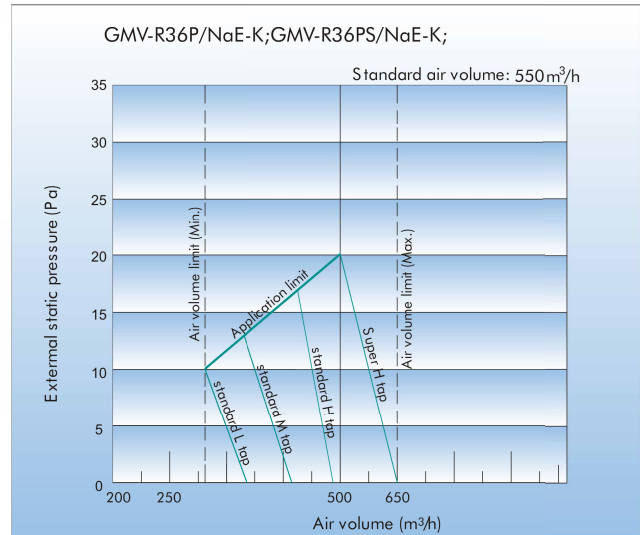
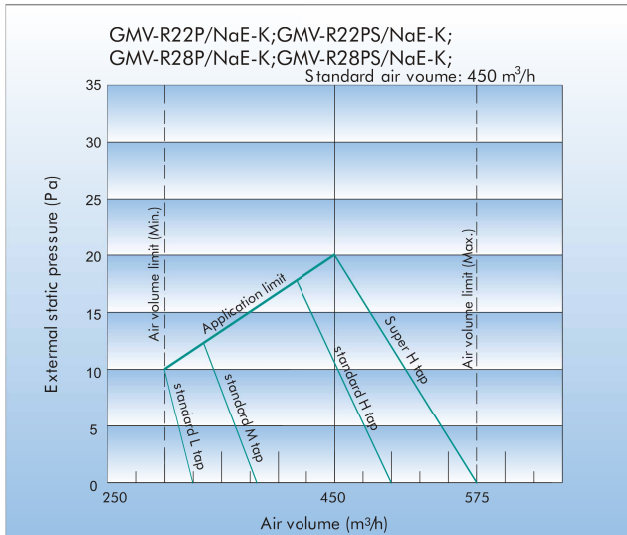
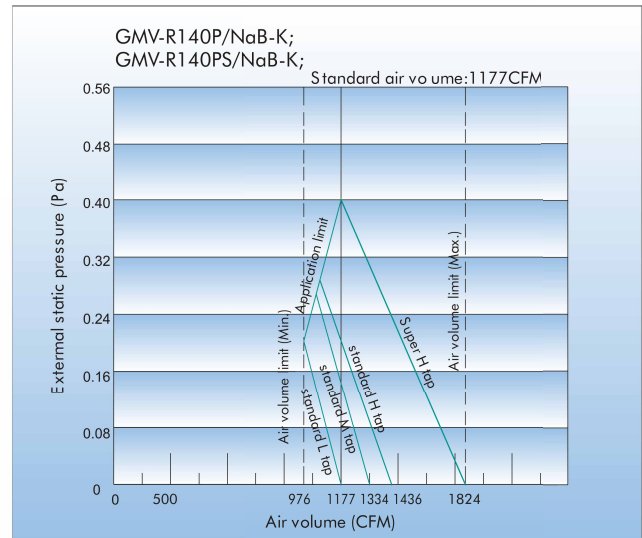
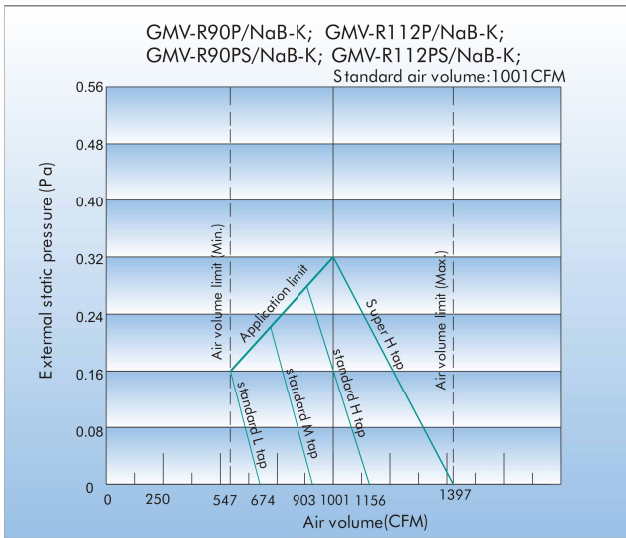
- ◆ Cooling : Indoor air temperature 27°C (80.4 °F) DB/19°C (66.2 °F) WB , Outdoor air temperature 35°C (95 °F) DB/24°C (75.2 °F) WB.
- ◆ Heating : Indoor air temperature 20°C (68 °F) DB/15°C (59 °F) WB , Outdoor air temperature 7°C (44.6 °F) DB/6°C (42.8 °F) WB.
- ◆ Interior Dimensions: L×W×H: 5898×2352×2393,Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2390, Door Opening W×H: 2343×2280;
- ◆ Interior Dimensions: L×W×H: 12032×2350×2697,Door Opening W×H: 2338×2585.

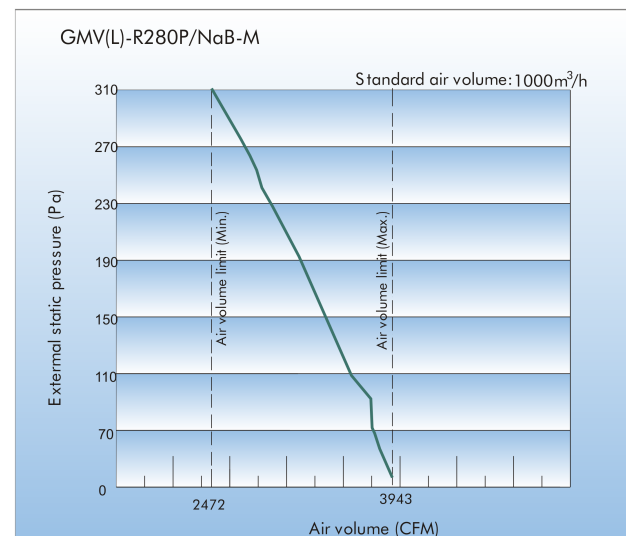
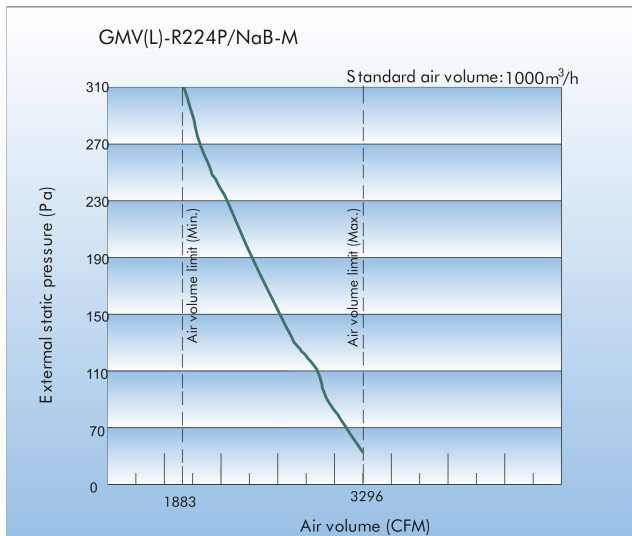
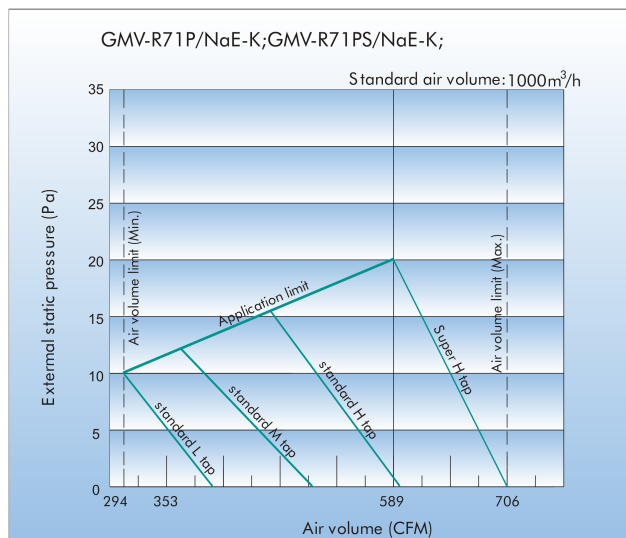
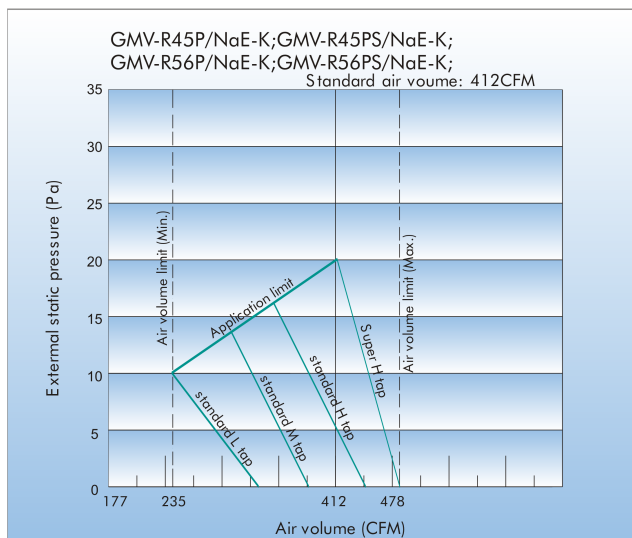
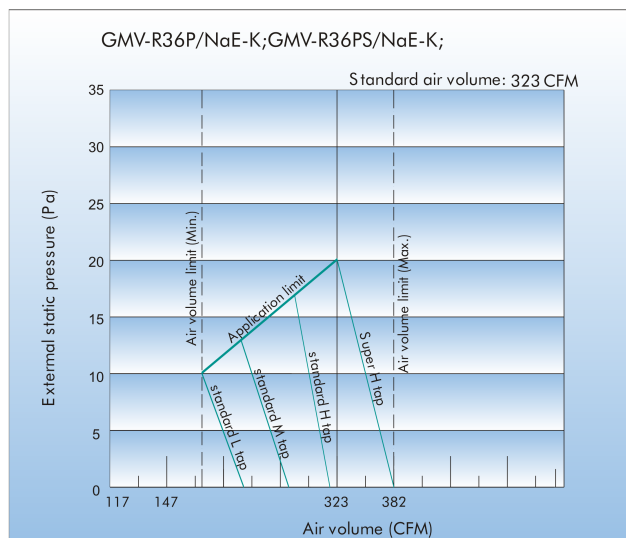
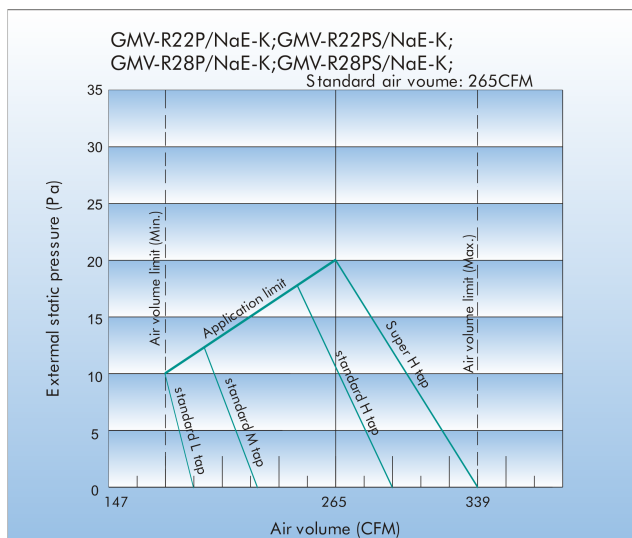
9 FAN CHARACTERISTICS



DC Inverter Multi VRF Technical Sales Guide





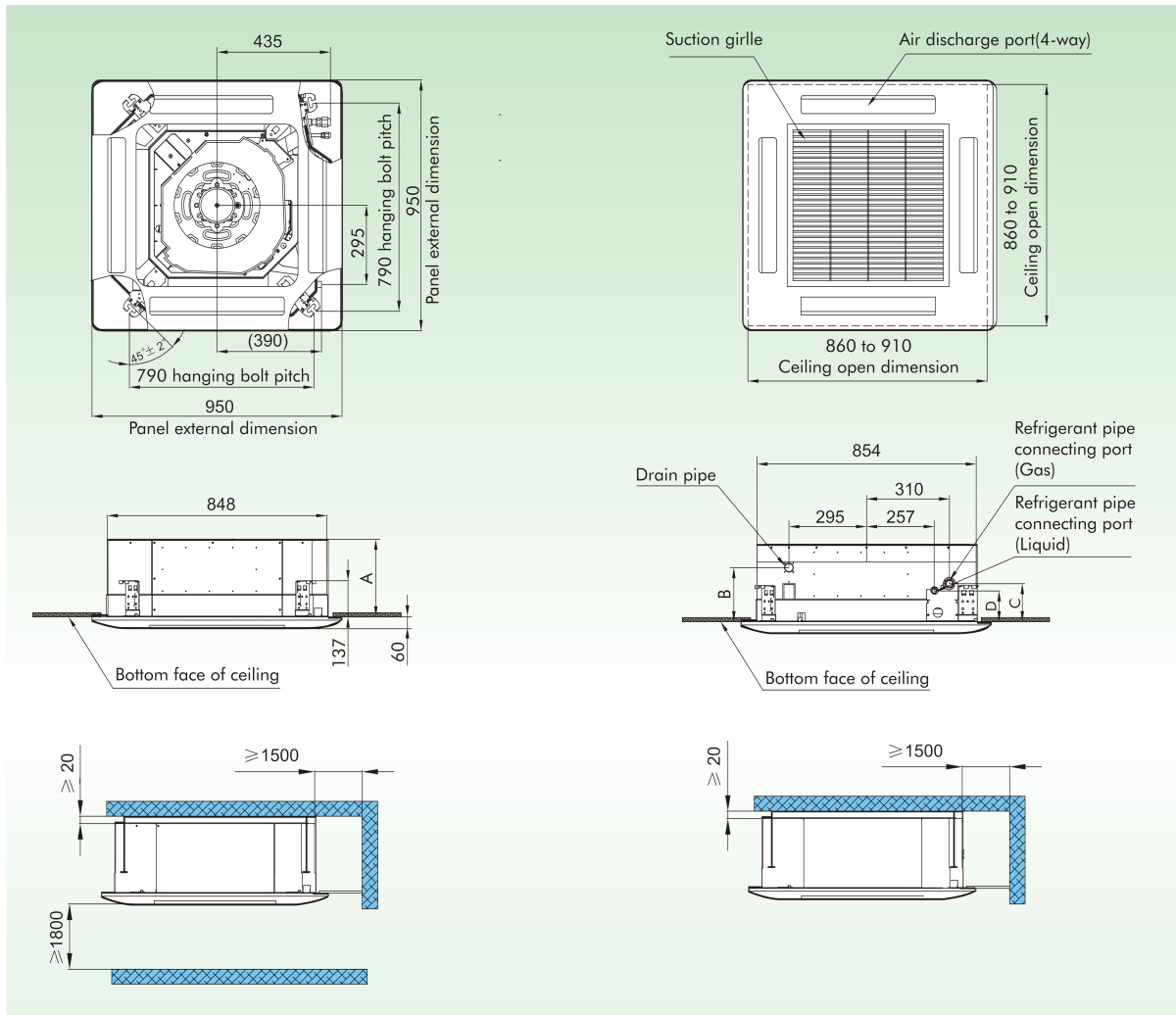


10 DIMENSIONAL DRAWINGS

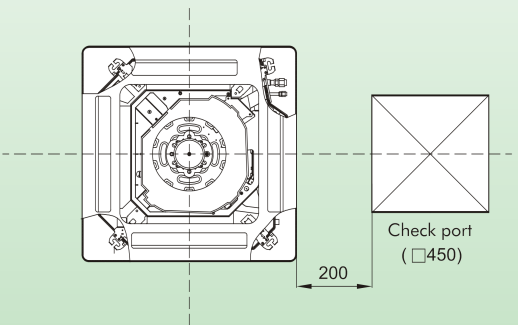
10.1 Indoor Unit

4-way Air Discharge Cassette Type

unit:mm



Space required for installation and servicing



unit:mm

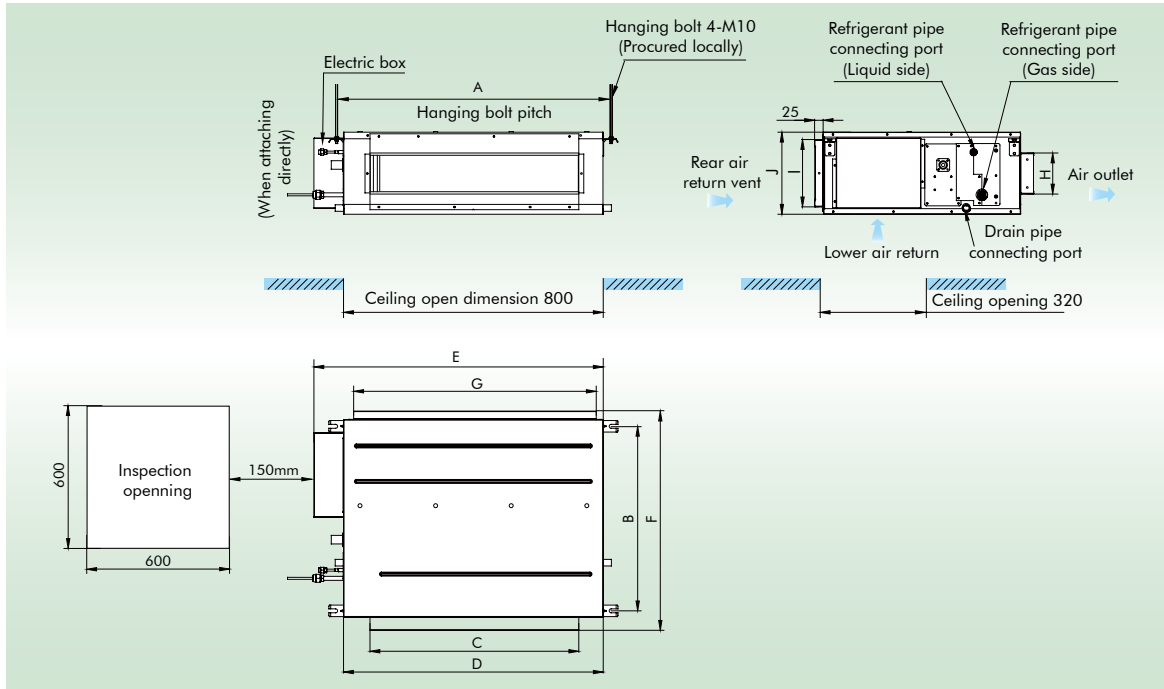
Model	A	B	C	D
GMV-R28T/Na-K~GMV-R50T/Na-K	190	157	115.5	88.5
GMV-R56T/Na-K~GMV-R80T/Na-K	240	204	142	115
GMV-R90T/Na-K~GMV-R140T/Na-K	320	200	142	115
GMV-R22T/NaA-K~GMV-R45T/NaA-K	230	193.5	112	102

◆ Duct Type

Dimensions for:

GMV-R22P/NaB-K; GMV-R28P/NaB-K; GMV-R36P/NaB-K;

GMV-R22PS/NaB-K; GMV-R28PS/NaB-K; GMV-R36PS/NaB-K;

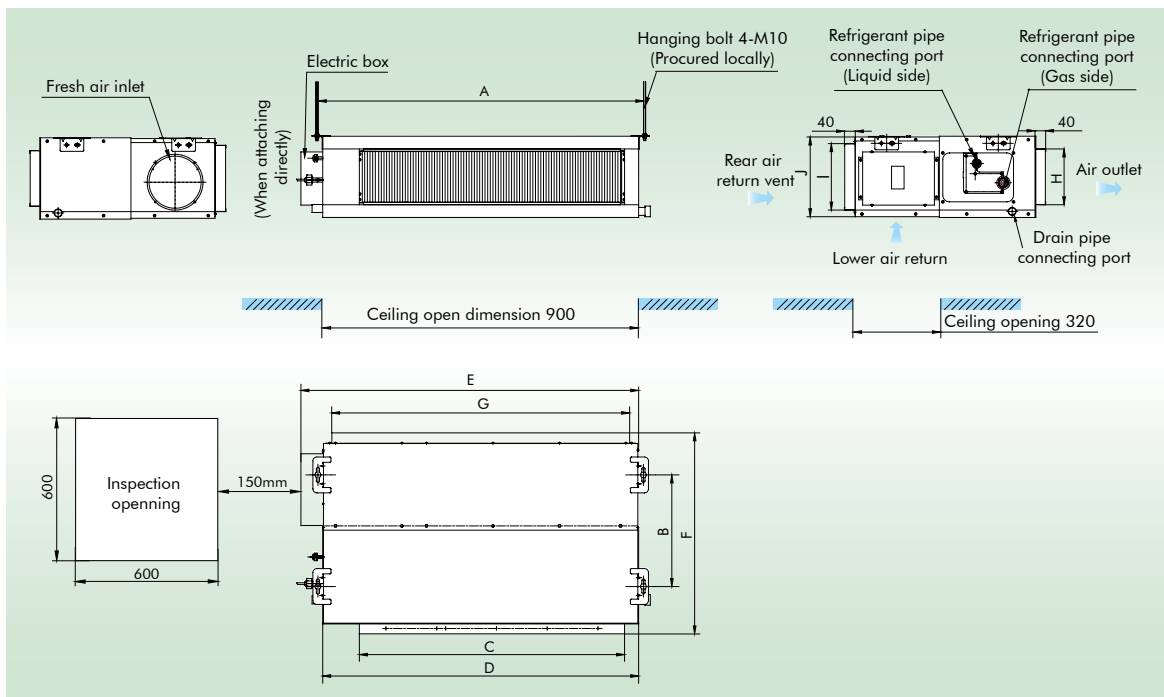


Dimensions for :

GMV-R45P/NaB-K; GMV-R56P/NaB-K; GMV-R71P/NaB-K; GMV-R90P/NaB-K; GMV-R112P/NaB-K;

GMV-R140P/NaB-K; GMV-R45PS/NaB-K; GMV-R56PS/NaB-K; GMV-R71PS/NaB-K;

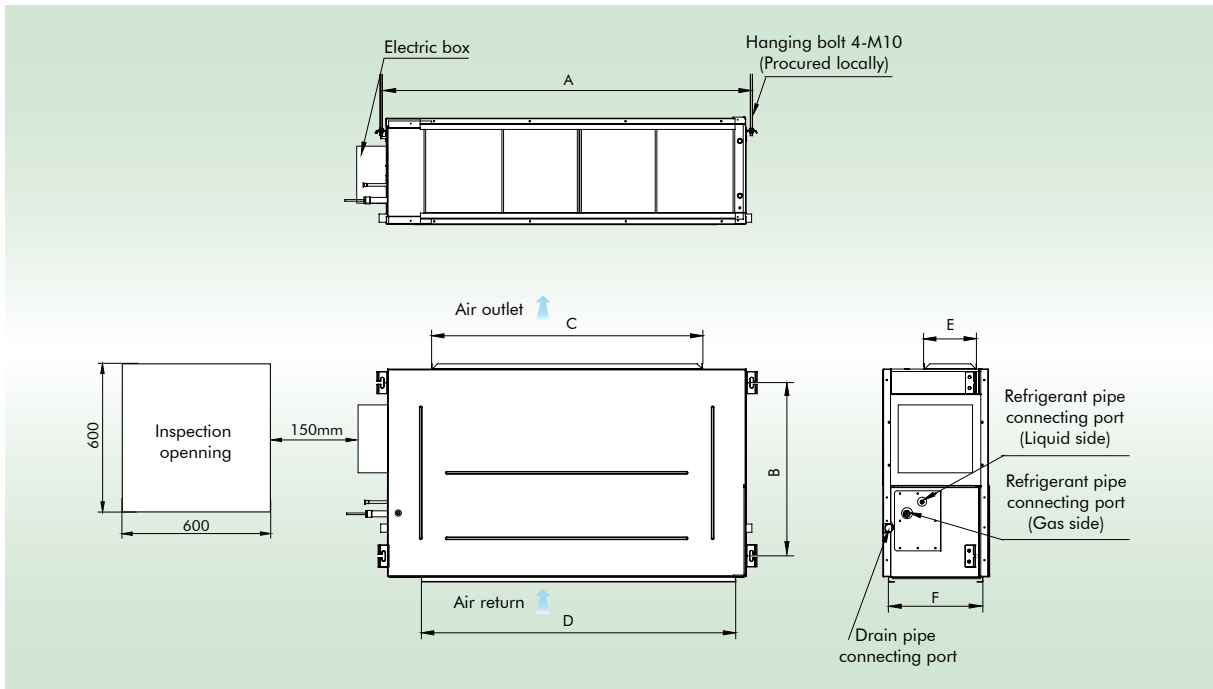
GMV-R90PS/NaB-K; GMV-R112PS/NaB-K; GMV-R140PS/NaB-K;



unit:mm

Model	A	B	C	D	E	F	G	H	I	J
GMV-R22P/NaB-K GMV-R22PS/NaB-K GMV-R28P/NaB-K GMV-R28PS/NaB-K GMV-R36P/NaB-K GMV-R36PS/NaB-K	840	61	635	790	880	665	38	125	203	250
GMV-R45P/NaB-K GMV-R45PS/NaB-K	932	430	738	892	980	721	738	125	203	266
GMV-R56P/NaB-K GMV-R56PS/NaB-K GMV-R71P/NaB-K GMV-R71PS/NaB-K	1114	420	918	1074	1155	736	918	207	207	300
GMV-R90P/NaB-K GMV-R90PS/NaB-K GMV-R112P/NaB-K GMV-R112PS/NaB-K GMV-R140P/NaB-K GMV-R140PS/NaB-K	1382	420	1155	1340	1425	736	1278	207	250	300

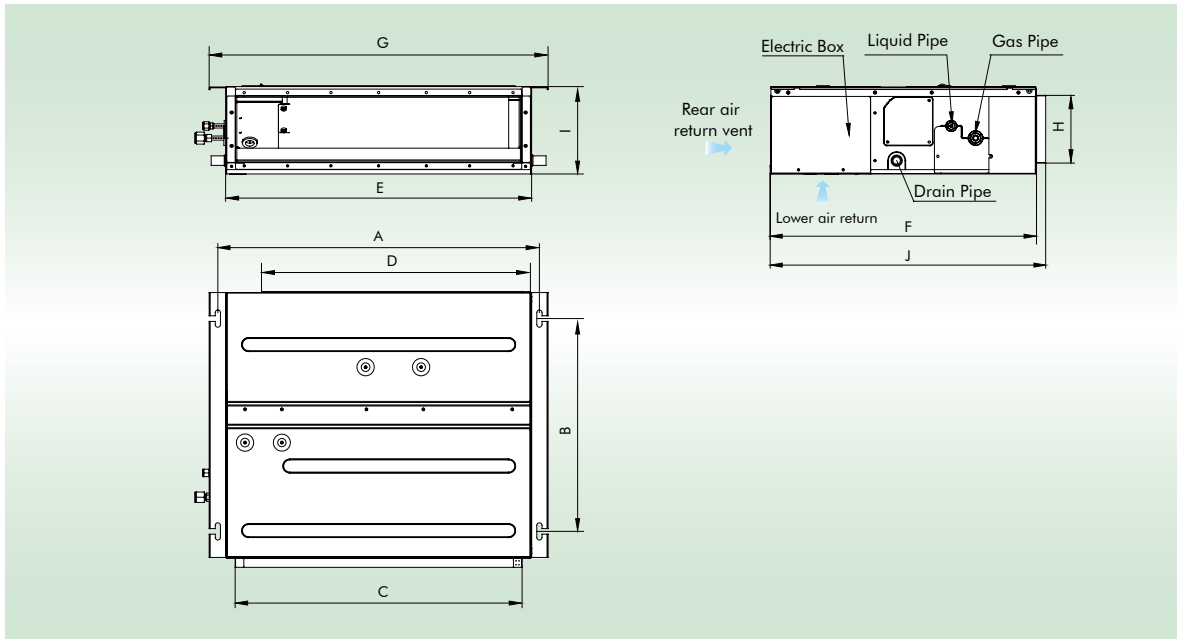
Dimensions for:
GMV(L)-R224P/NaB-M;GMV(L)-R280P/NaB-M;



unit:mm

Model	a	b	c	d	e	f
GMV-R224P/NaB-K	1353	632	992	1150	192	327
GMV-R280P/NaB-K	1563	706	992	1350	192	402

GMV(L)-R22PS/NaE-K; GMV(L)-R28PS/NaE-K; GMV(L)-R36PS/NaE-K;
 GMV(L)-R45PS/NaE-K; GMV(L)-R56PS/NaE-K; GMV(L)-R71PS/NaE-K;

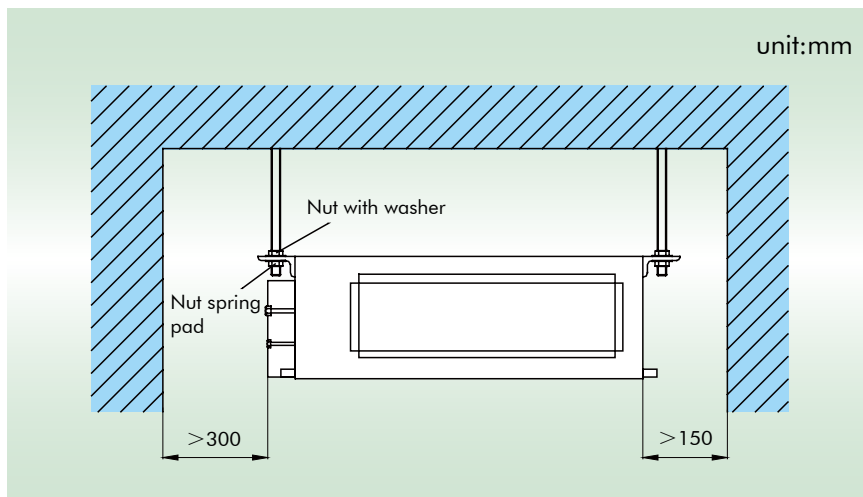


unit:mm

Model	A	B	C	D	E	F	G	H	I	J
GMV-R22PS/NaE-K	742	491	662	620	700	615	782	156	200	635
GMV-R28PS/NaE-K	742	491	662	620	700	615	782	156	200	635
GMV-R36PS/NaE-K	742	491	662	620	700	615	782	156	200	635
GMV-R45PS/NaE-K	942	491	862	820	900	615	982	156	200	635
GMV-R56PS/NaE-K	942	491	862	820	900	615	982	156	200	635
GMV-R71PS/NaE-K	1142	491	1062	1020	1100	615	1182	156	200	635

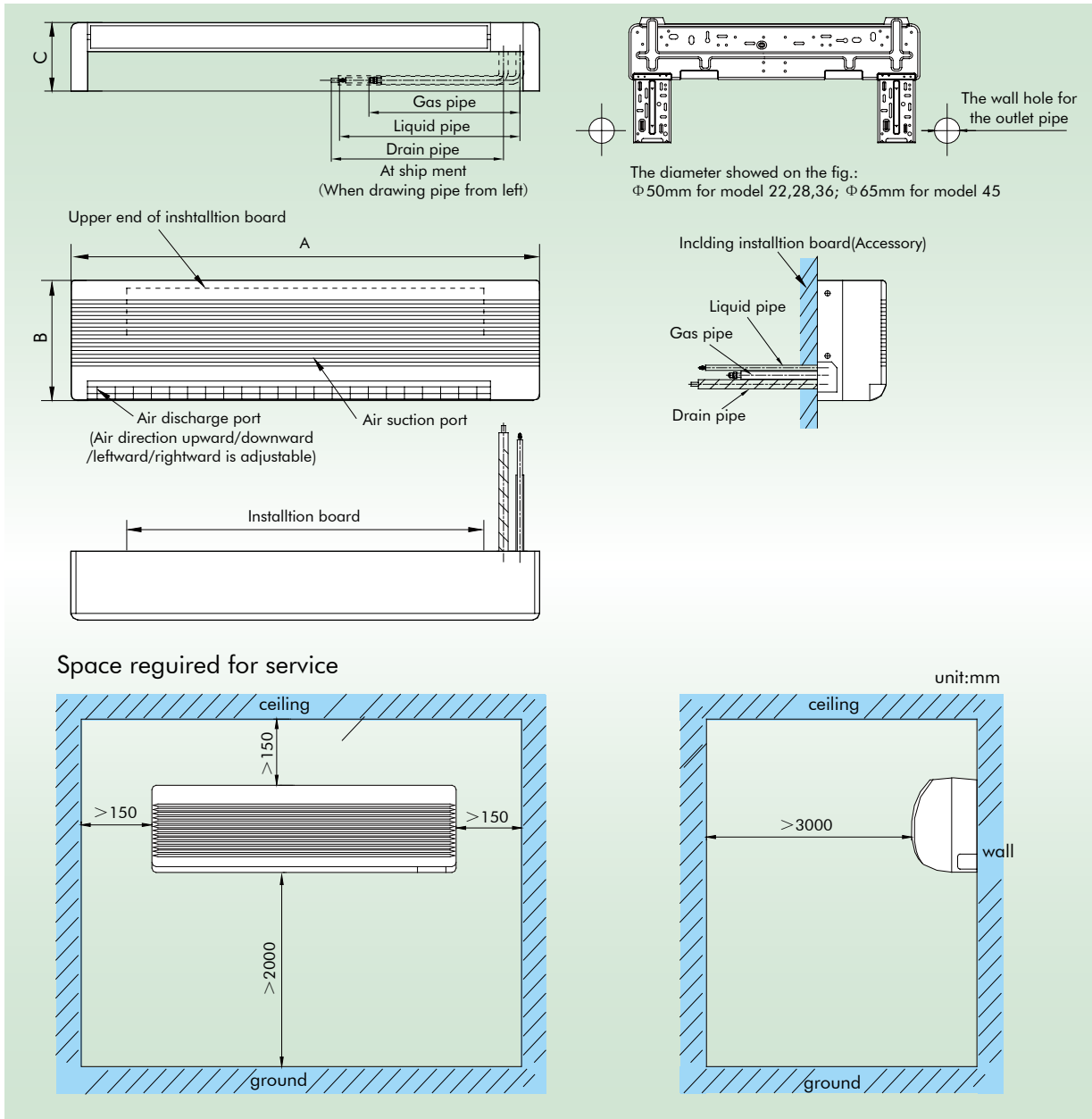
NOTE:

Installation space requirements



unit:mm

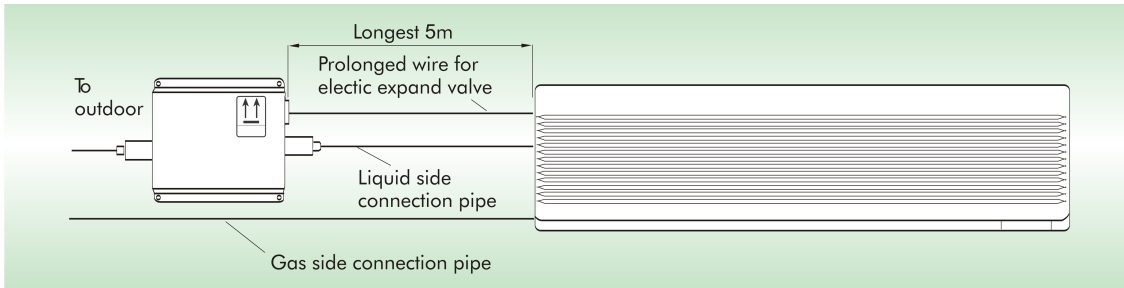
◆ Wall-mounted Type



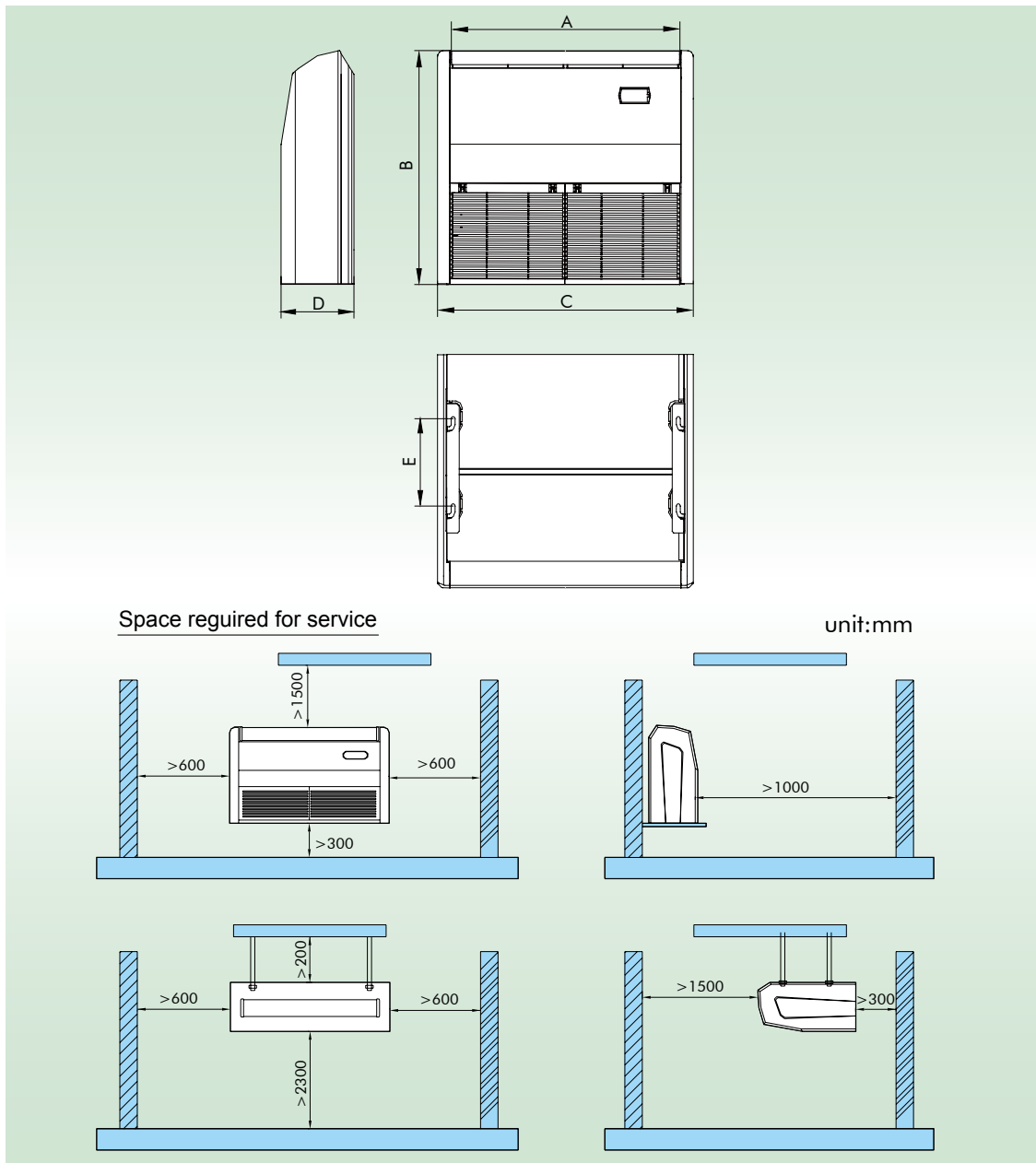
unit:mm

Modle	GMV-R22G/NaB-K GMV-R28G/NaB-K GMV-R36G/NaB-K	GMV-R45G/NaB-K GMV-R50G/NaB-K GMV-R56G/NaB-K	GMV-R80G/NaB-K GMV-R71G/NaB-K
A (mm)	830	907	1178
B (mm)	285	290	326
C (mm)	189	195	227
Modle	GMV-R22G/NaG-K GMV-R28G/NaG-K	GMV-R36G/NaG-K GMV-R45G/NaG-K GMV-R50G/NaG-K	GMV-R56G/NaG-K GMV-R63G/NaG-K GMV-R71G/NaG-K
A (mm)	843	940	1008
B (mm)	275	298	319
C (mm)	180	200	221

Connect silencing box with liquid side pipe of indoor unit by connection pipe, and also connect it with liquid side pipe of outdoor unit, tighten the connection pipe with joint nut.



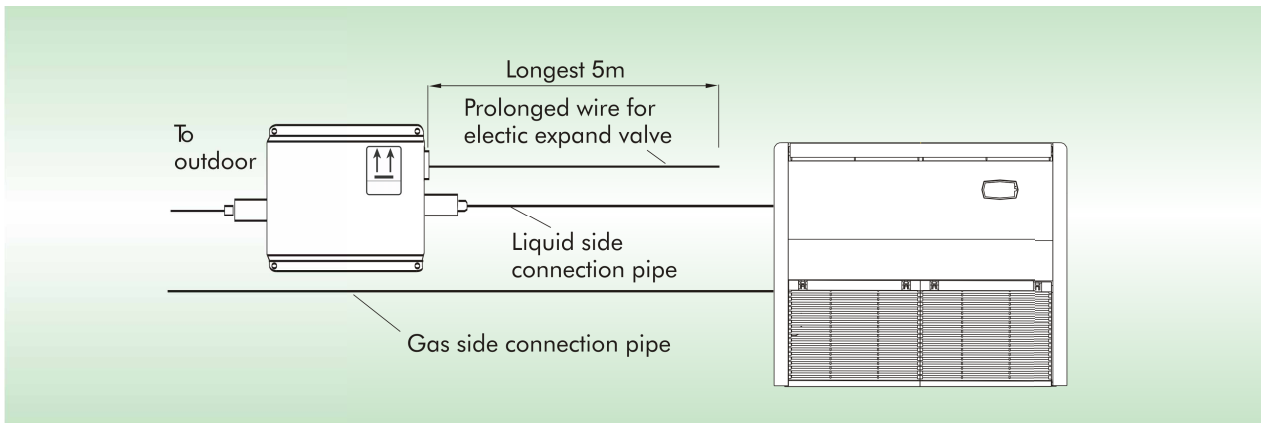
◆ Ceiling Type



unit:mm

Model	A	B	C	D	E
GMV-R28Zd/Na-K GMV-R36Zd/Na-K GMV-R50Zd/Na-K	745	695	840	238	260
GMV-R71Zd/Na-K GMV-R90Zd/Na-K GMV-R112Zd/Na-K GMV-R125Zd/Na-K	1220	600	1300	188	260
GMV-R28Zd/NaB-K GMV-R36Zd/NaB-K GMV-R50Zd/NaB-K	1158	700	1220	225	280
GMV-R71Zd/NaB-K GMV-R90Zd/NaB-K	1354	700	1420	245	280
GMV-R112Zd/NaB-K GMV-R125Zd/NaB-K	1634	700	1700	245	280

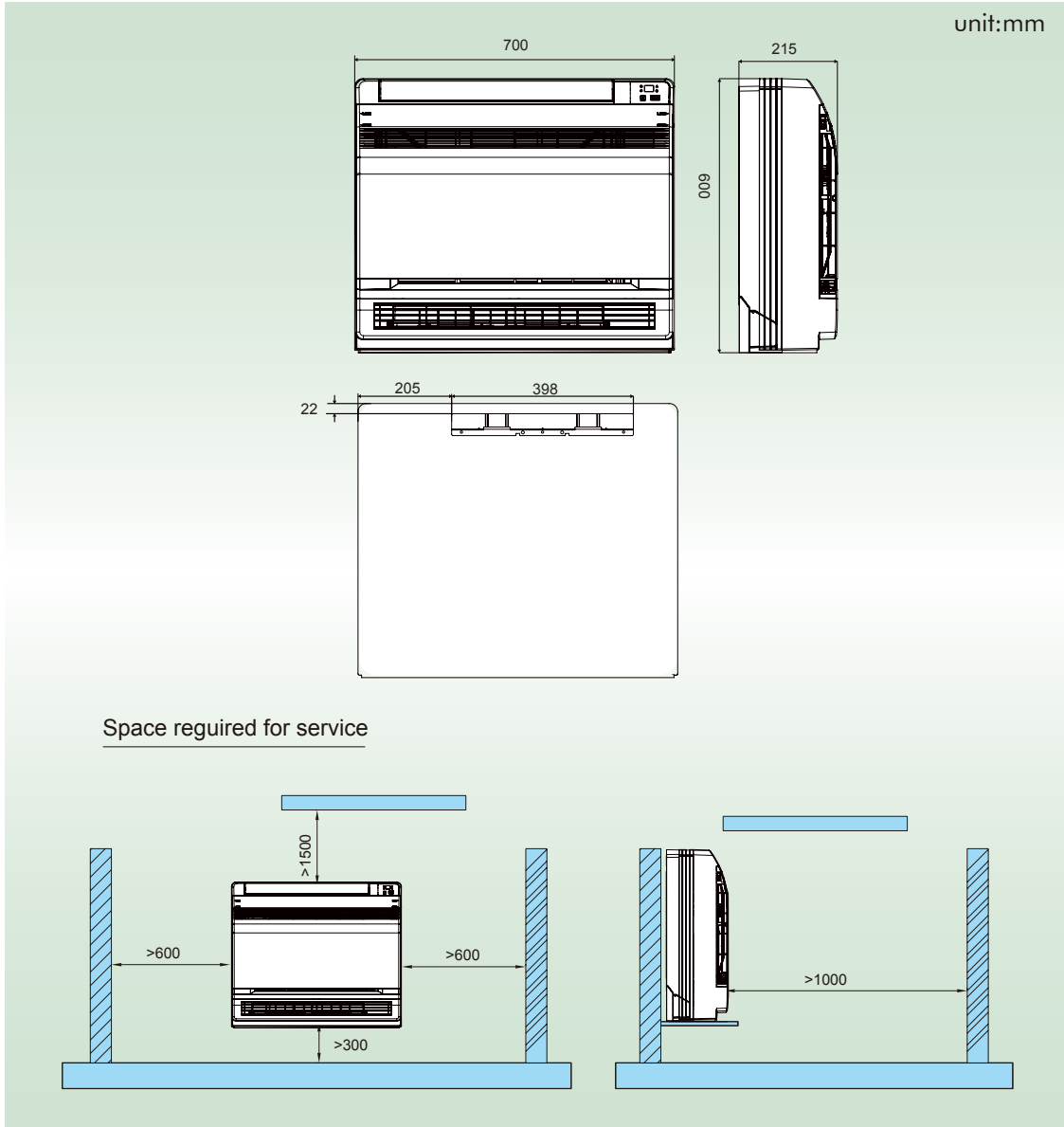
Connect silencing box with liquid side pipe of indoor unit by connection pipe, and also connect it with liquid side pipe of outdoor unit, tighten the connection pipe with joint nut.



◆ **Floor and Wall Mounted Type**

Dimensions for:

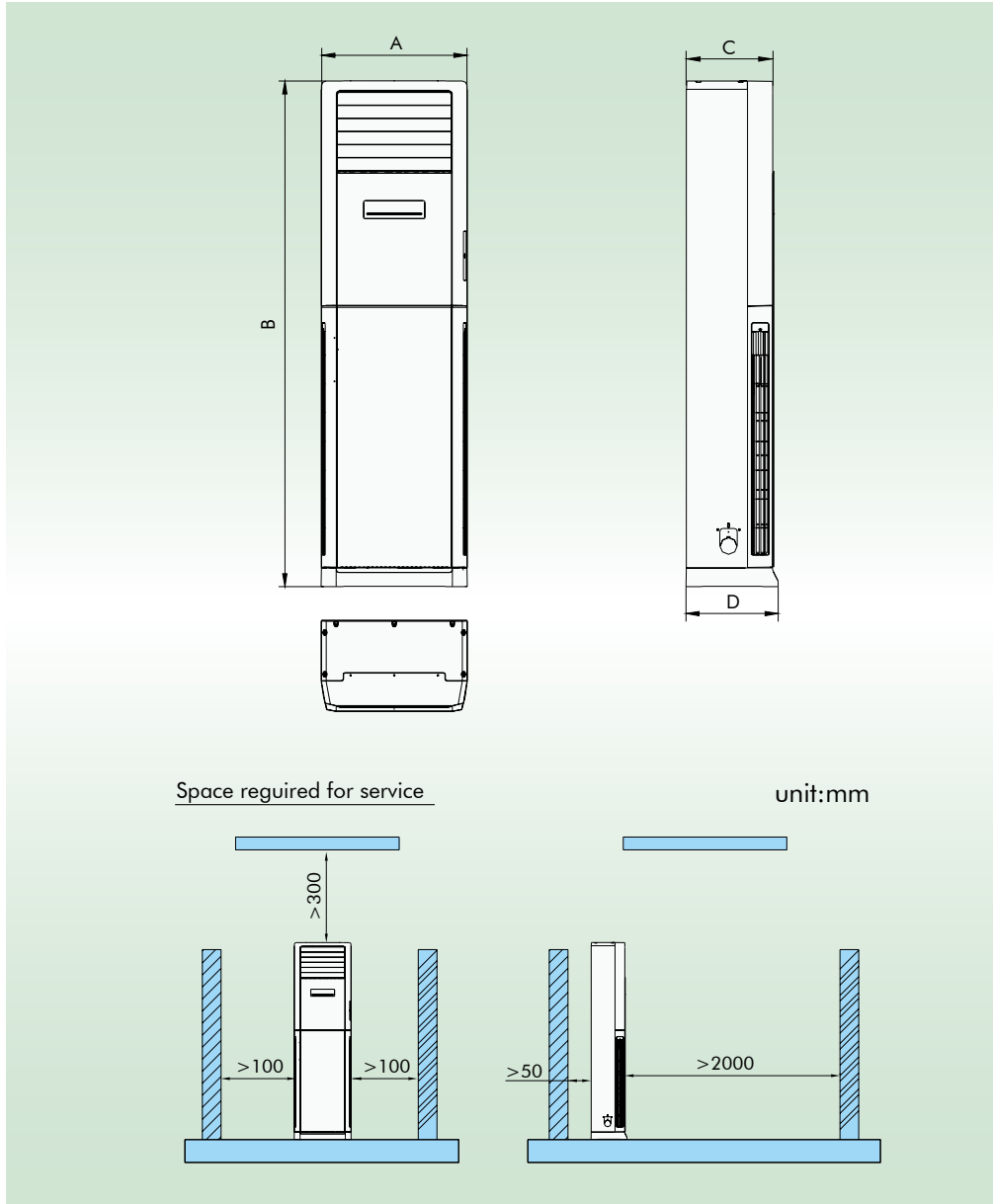
GMV-R28C/Na-K; GMV-R36C/Na-K; GMV-R50C/Na-K;



◆ Floor Standing Type

Dimensions for:

GMV-R71L/Na-K; GMV-R100L/Na-K; GMV-R140L/Na-K;

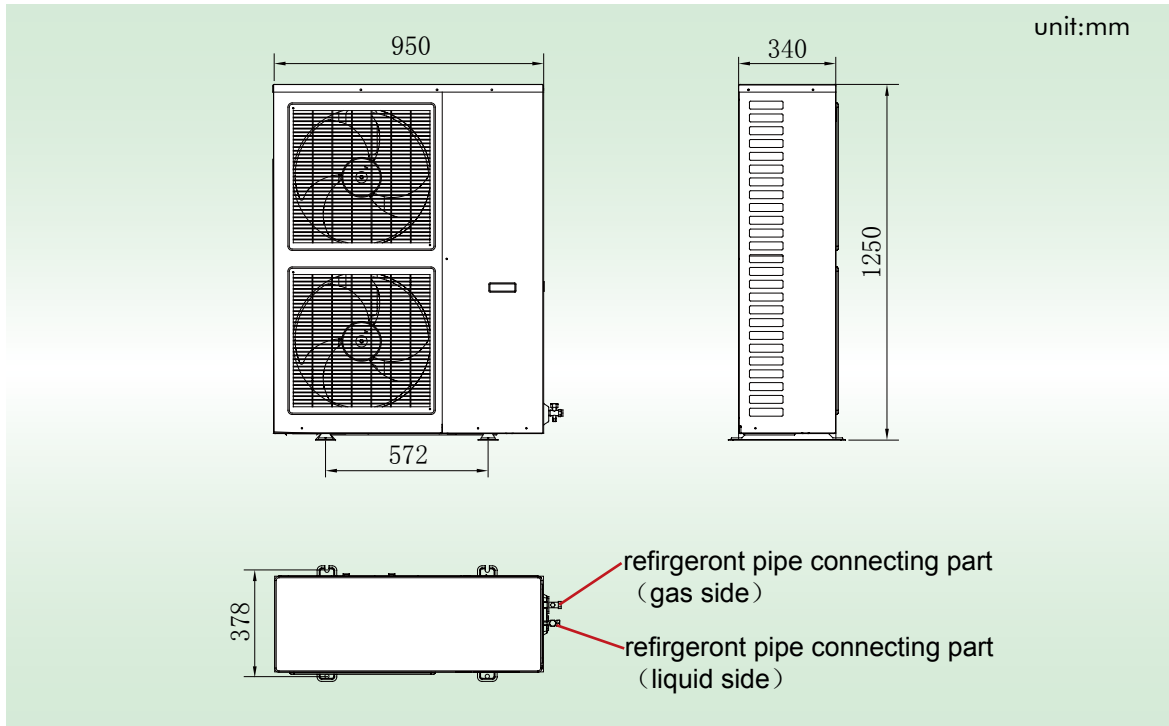


Model	A	B	C	D
GMV-R71L/Na-K	500	1757	295	317
GMV-R100L/Na-K	582	1870	374	396
GMV-R140L/Na-K				

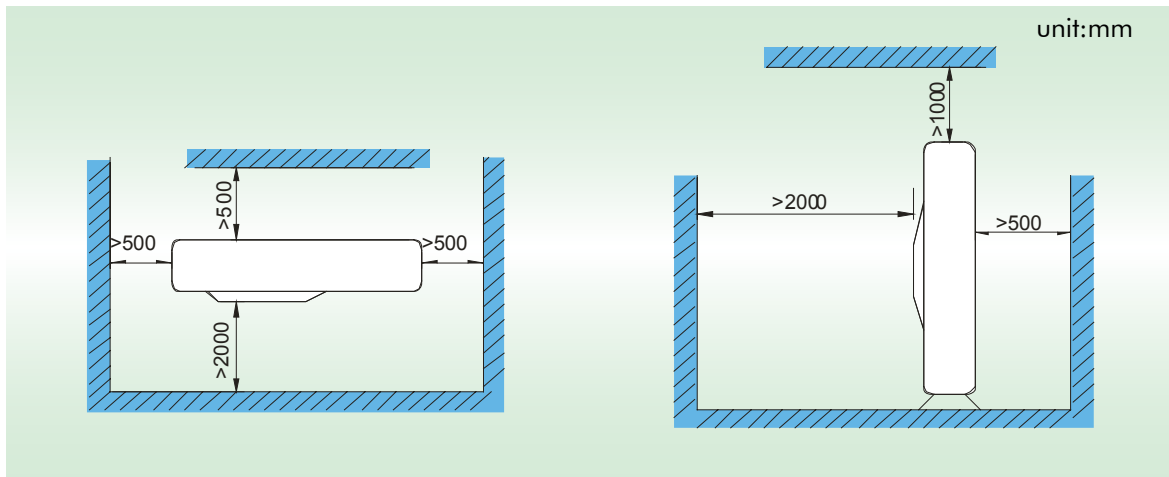
unit:mm

➔ 10.2 Outdoor Unit

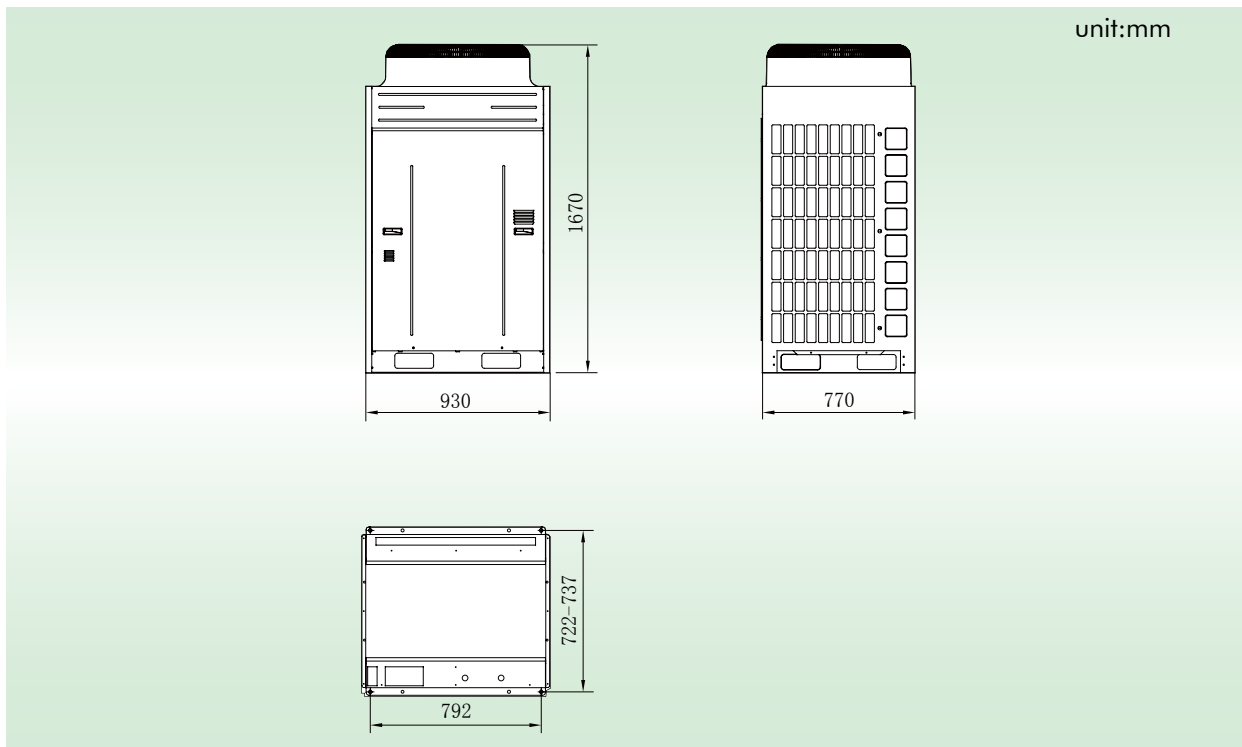
GMV-Pd100W/NaB-K; GMV-Pd120W/NaB-K; GMV-Pd140W/NaB-K; GMV-Pd160W/NaB-K;



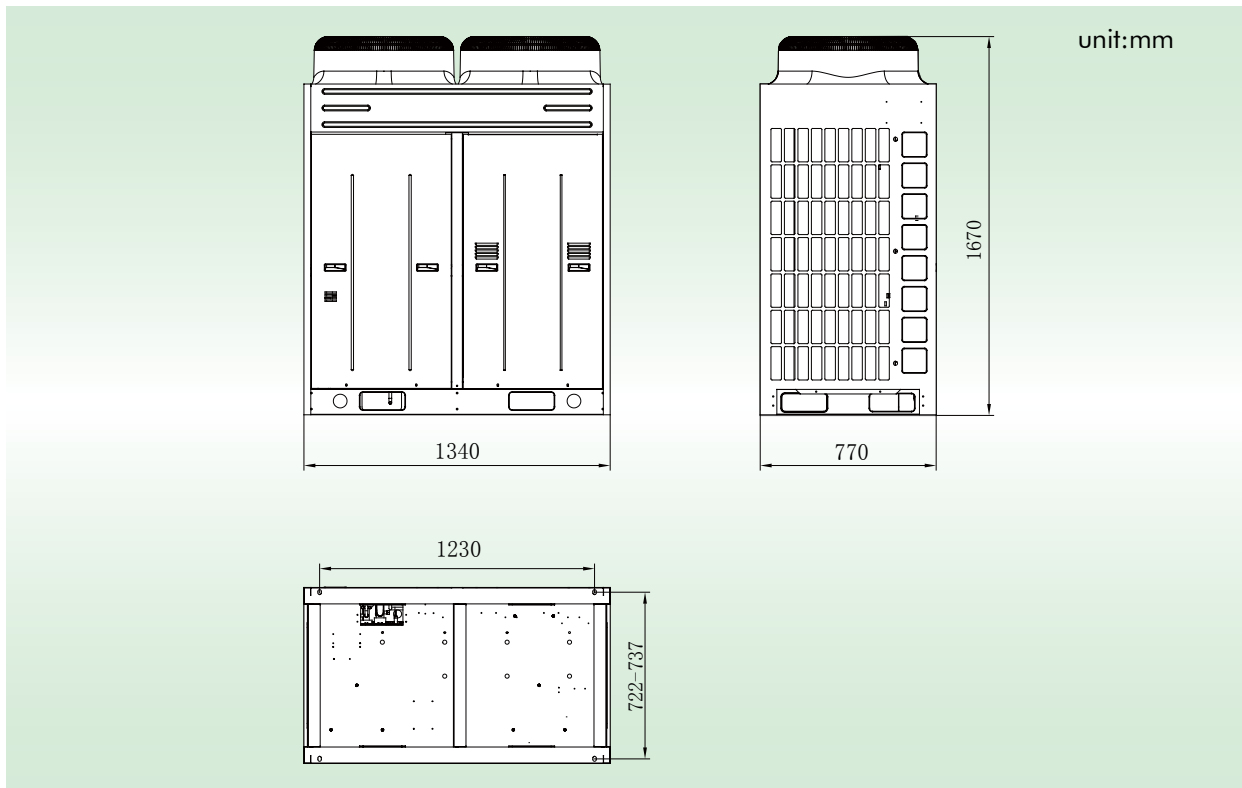
During installation, tighten the support and base of the unit by using M12 screws.
Outdoor unit shall be installed on a concrete base 10cm high.
Space dimension for installation of the unit is shown below.



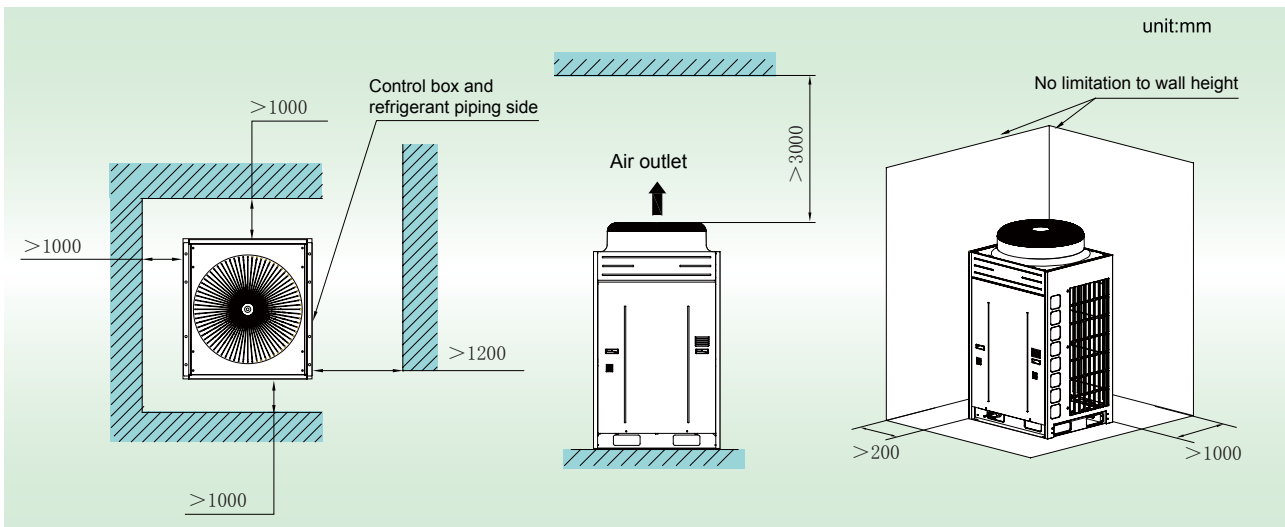
GMV-Pdm224W/NaB-M;GMV-Pdm280W/NaB-M;



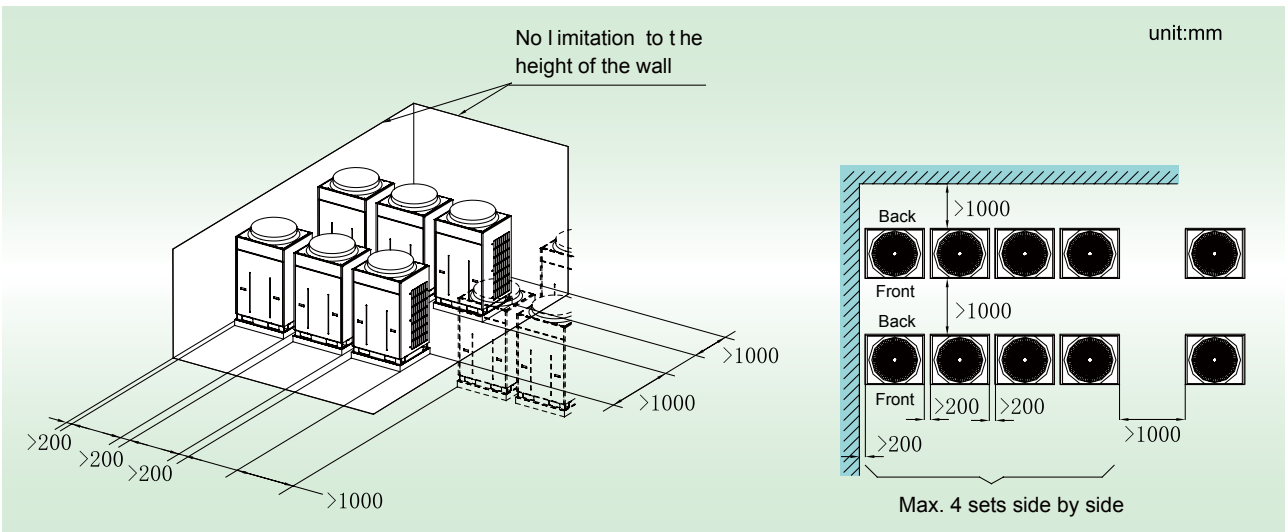
GMV-Pdm335W/NaB-M;GMV-Pdm400W/NaB-M;GMV-Pdm450W/NaB-M;



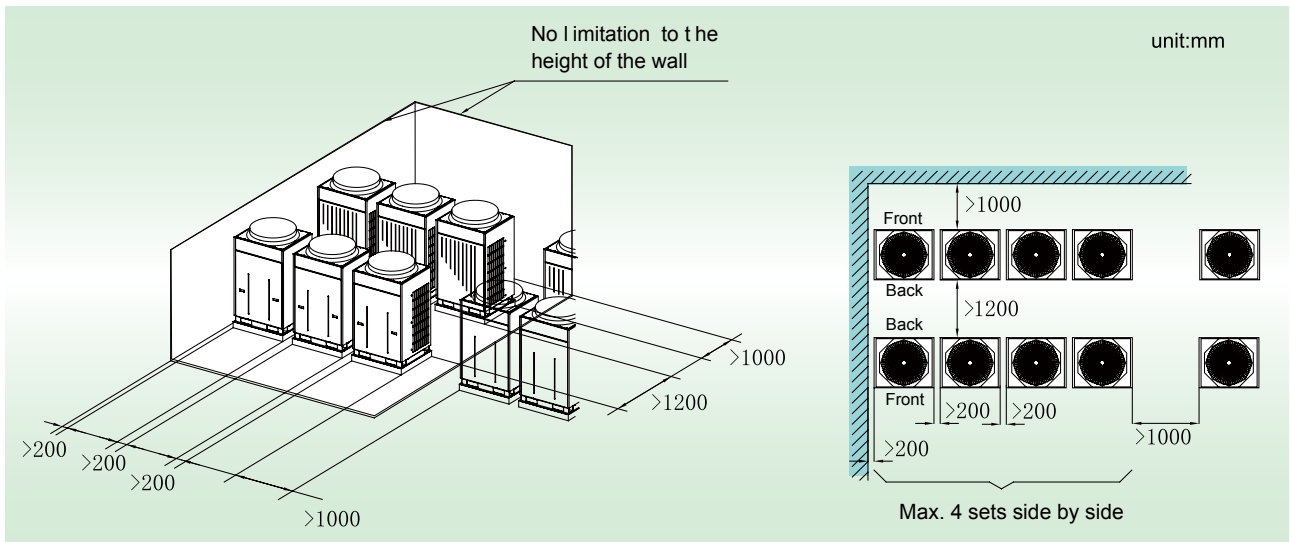
Installation space dimension for stand-alone:



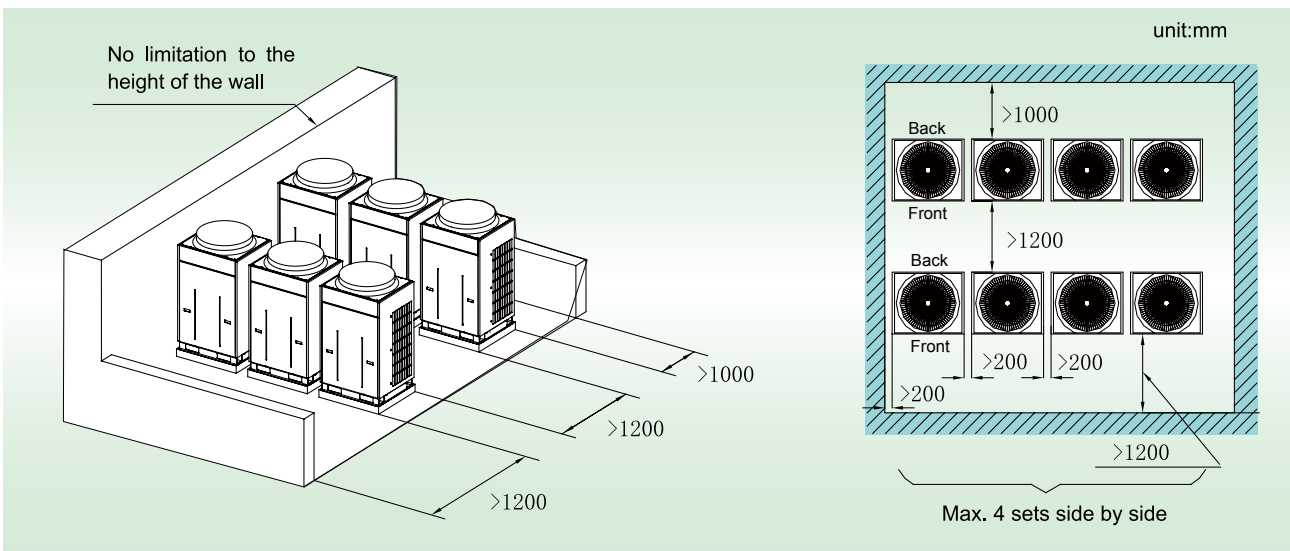
Installation space dimension for several units:



Installation space dimension for several units back to back:

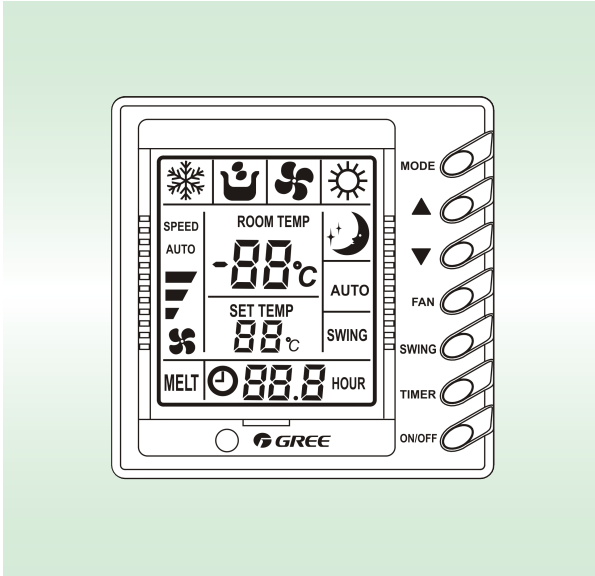


Under the circumstance that the units are surrounded by walls, the installation facing to the same direction is suggested

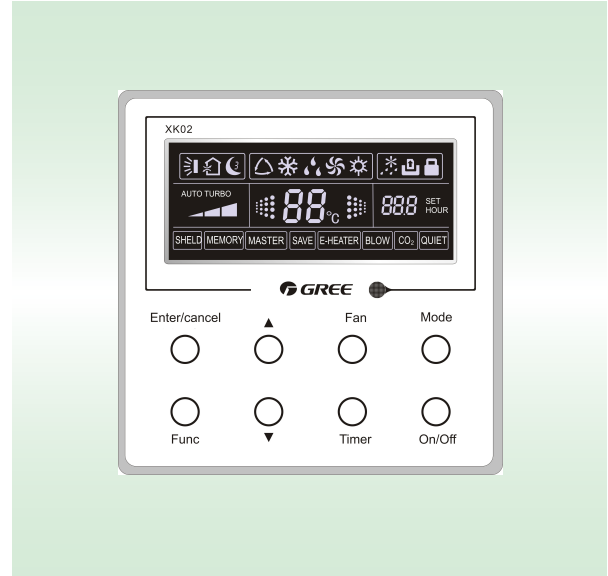


➔ 10.3 Controller

◆ Wired Remote Controller

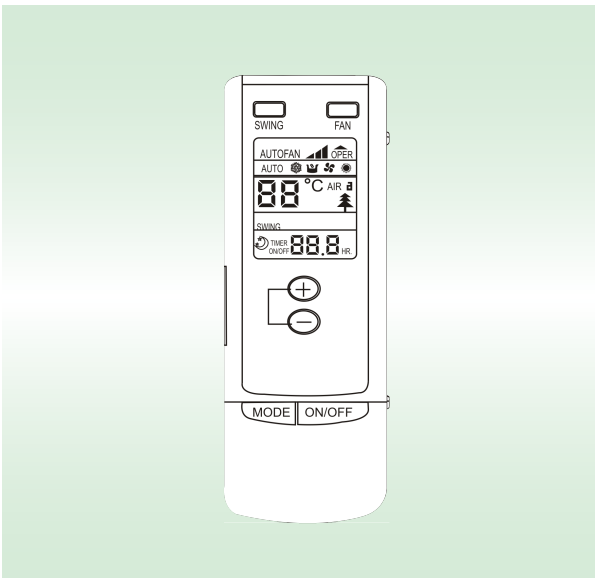


Outline size: 85mm × 85mm × 21mm

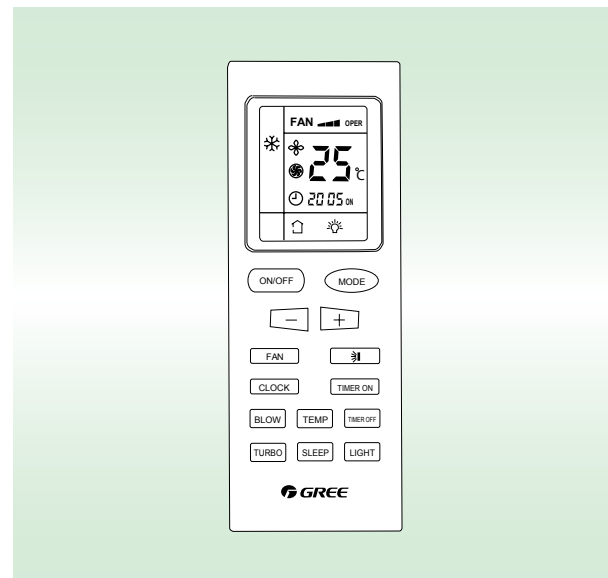


Outline size: 92mm×92mm×26mm

◆ Wireless Remote Controller

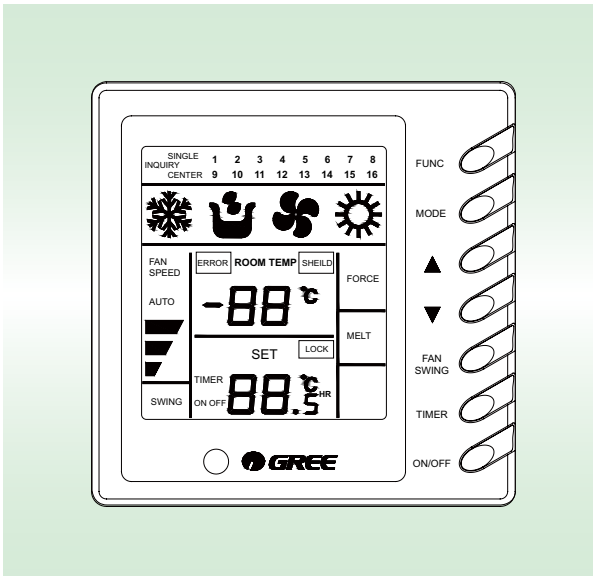


Outline size: 160 mm × 57mm × 22mm



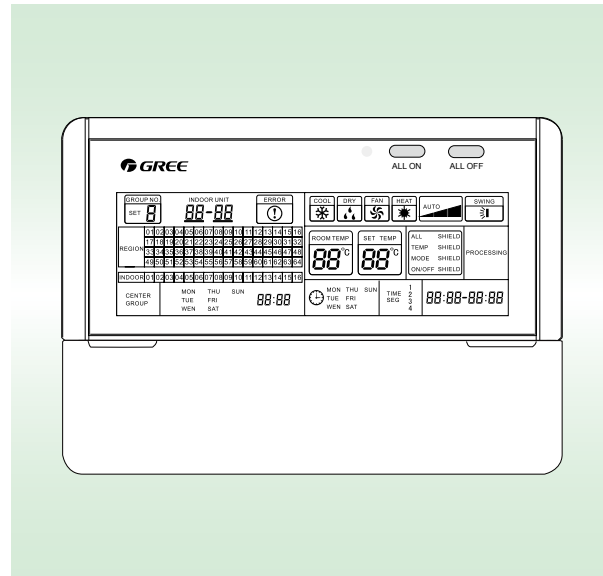
Outline size: 122 mm×44 mm×19mm

◆ Region Controller



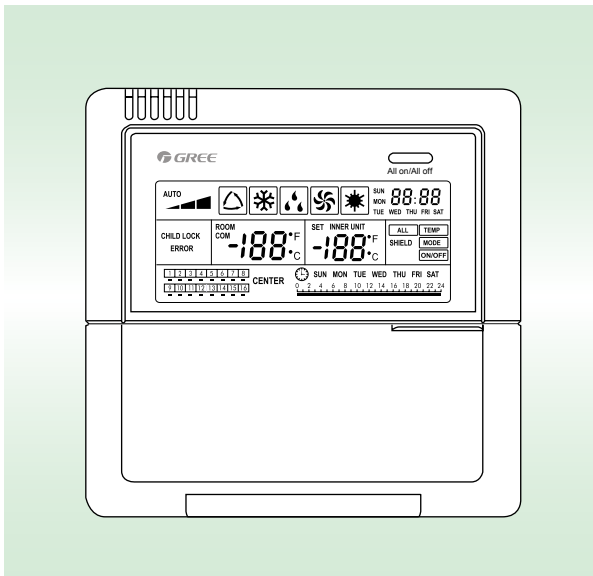
Outline size: 85mm × 85mm × 21mm

◆ Central Remote Controller



Outline size: 185 mm × 135mm × 70mm

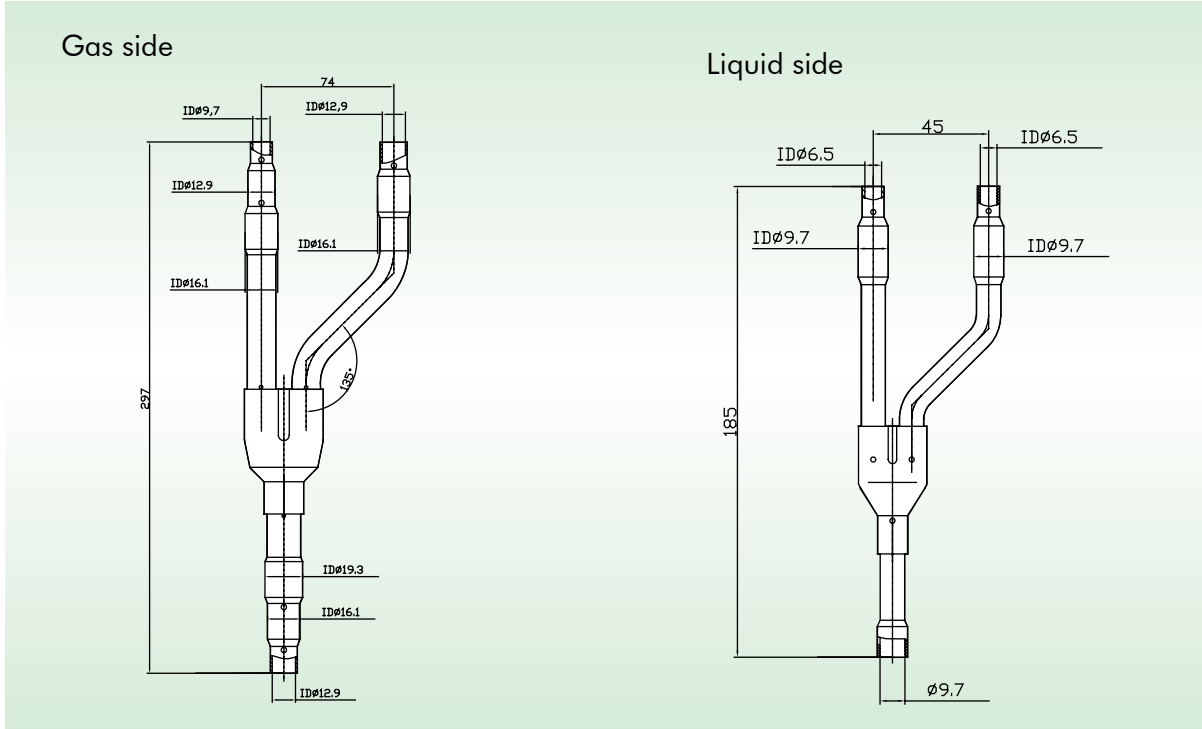
◆ Smart Zone Controller



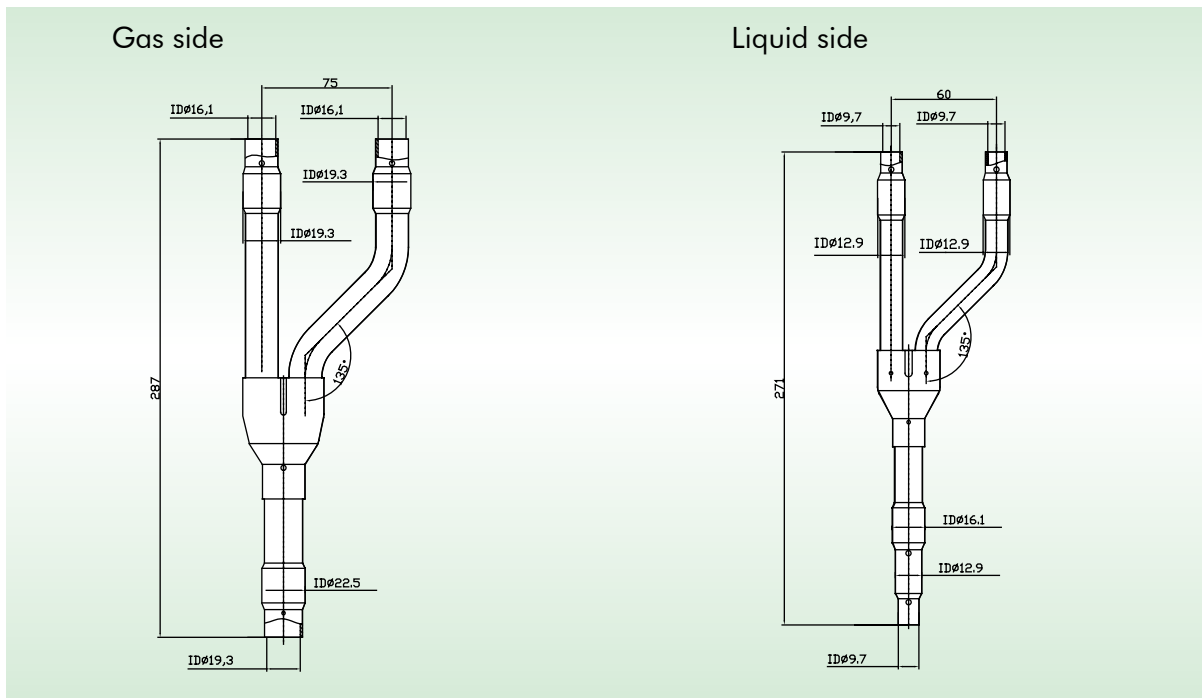
Outline size: 246mm × 226mm × 100mm

➔ 10.4 Branching Joint

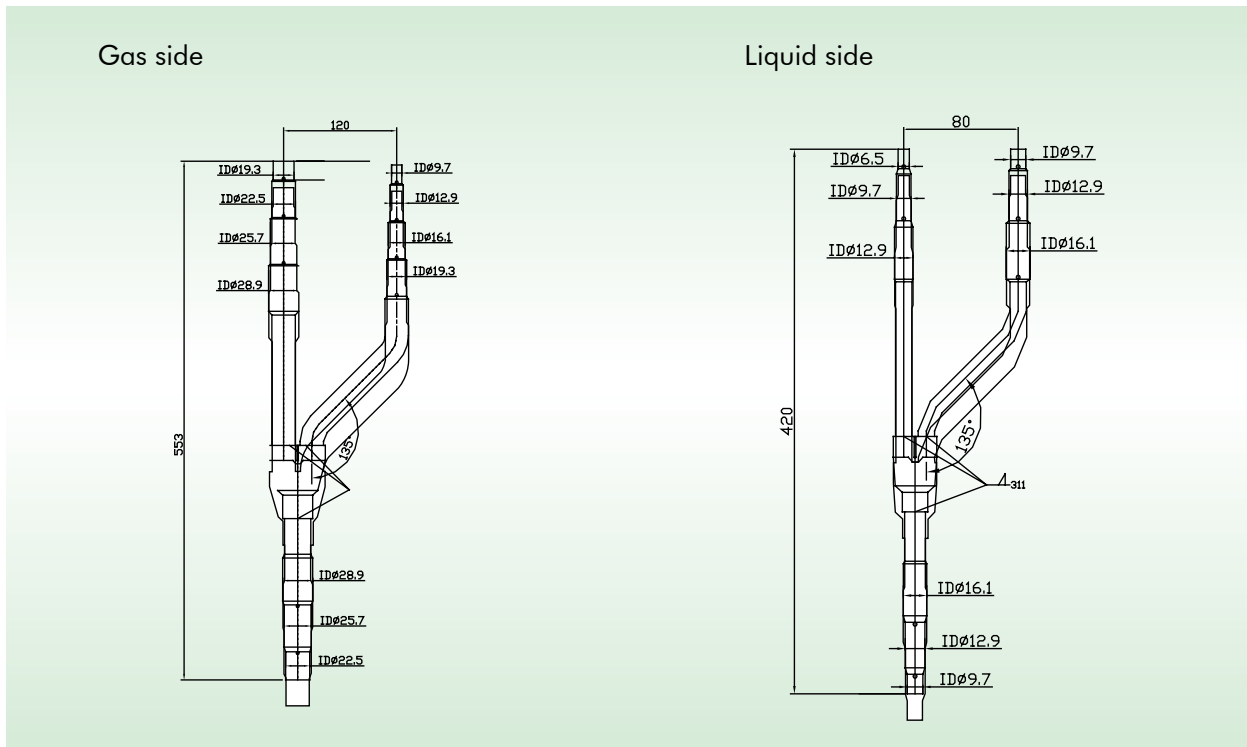
◆ FQ01A/A



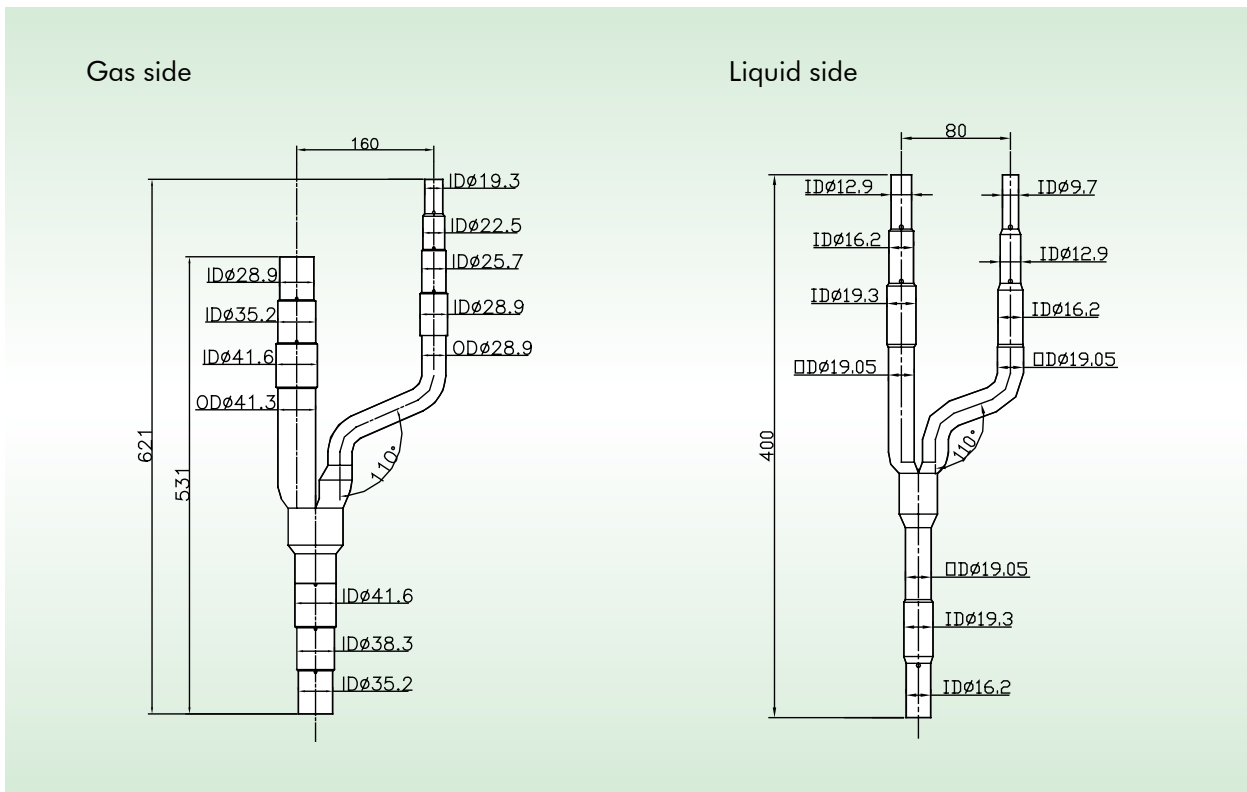
◆ FQ01B/A



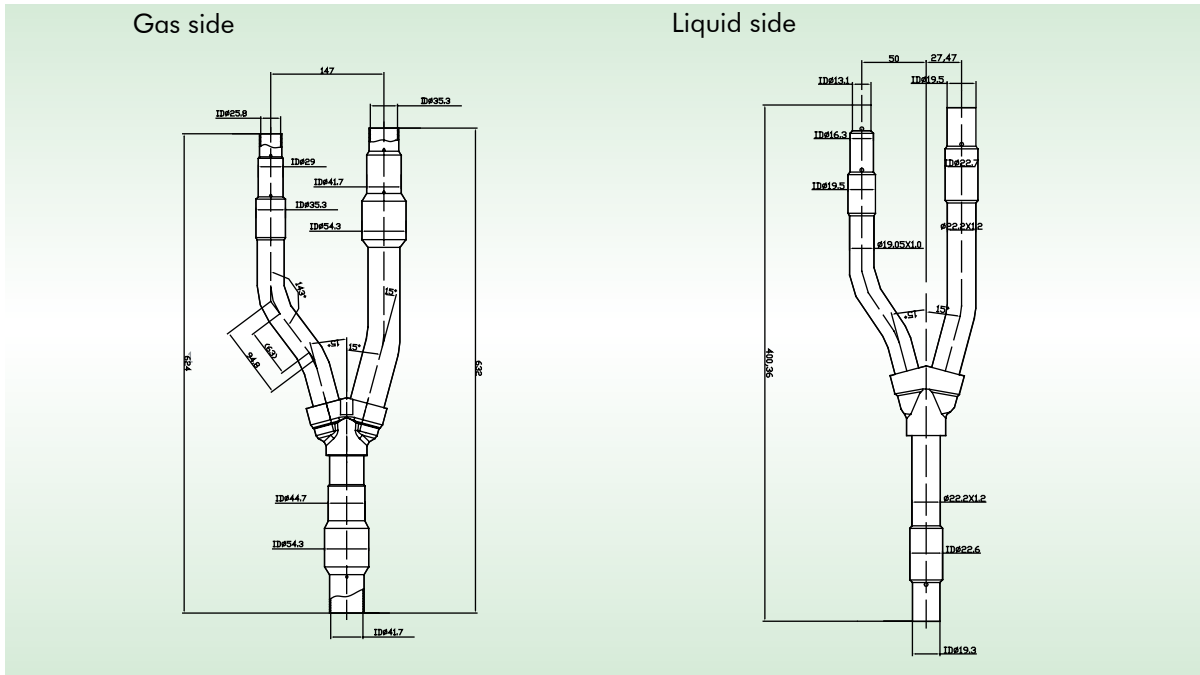
◆ FQ02/A



◆ FQ03/A



◆ FQ04/A



Branching Pipe Diameter ID (mm)	Pipe Diameter OD (Inch)
Φ 6.35	1/4
Φ 9.7	3/8
Φ 12.9	1/2
Φ 16.1	5/8
Φ 19.3	3/4
Φ 22.5	7/8
Φ 25.8	1
Φ 29	1-1/8

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