

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

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Note:Gree is committed to continuously improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

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GC-1706-04(EU VERSION)



Distributor information





GMV5E



Key Features

All DC Inverter Technology to Improve Compression Efficiency

All DC inverter compressor and high-performance high pressure chamber are adopted to reduce loss of overheat and improve compression efficiency from direct intake. Compared with low pressure chamber, the compression efficiency is improved. High-efficient permasyn motor is adopted to provide better performance than traditional DC inverter compressor.

All DC Inverter Compressor

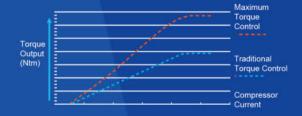
 All DC inverter compressor is used in this system. It can directly intake gas to reduce loss of overheat and improve efficiency.



 High-efficient permasyn motor is adopted to provide better performance than traditional DC inverter compressor.

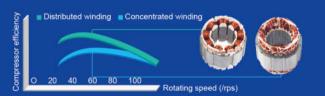


It can reduce energy loss caused by device winding so as to realize higher efficiency.

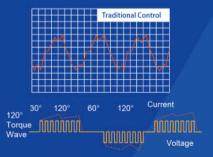


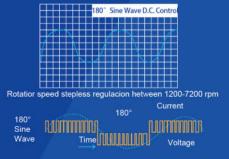
Low-frequency Torque Control It can directly control motor torque, through which fan motor can run at a low speed. Users will feel more comfortable while requirements of the system are also met.





180° Sine Wave DC Speed Varying Technology
It can satisfy various places' demands for
different temperature and is able to save a great
deal of electricity and provide users with utmost
comfort at the same time.







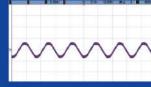
Sensorless DC Inverter Fan Motor

• Stepless speed regulation ranges from 5Hz to 65Hz. Compared with traditional inverter motors, the operation is more energy-saving.



 Sensorless control technology guarantees lower noise, less vibration and steadier operation.





88HP Max Capacity-The Largest Free Combination

Max capacity of single outdoor unit reaches 22HP and max combination capacity is even up to 88HP, in an industry leading level.

Max combination capacity is extended to 88HP



Note*: 16HP outdoor unit has different appearance for different model.

Money is saved in system cost and piping



Compact design

With compact design, the outdoor unit can be carried to the roof of building through elevator, with no need of crane. It is easier for delivery and installation.



Non-polar CAN Technology to Improve Communication Efficiency

• Gree is the first one to adopt non-polar CAN communication technology in the industry. CAN communication technology provides quicker system response speed, more convenient installation debugging and more reliable communication data.

Performance Index	Company A Multi-VRF Network	GMV5E DC Inverter CAN Network		
	Software check	Hardware check, more reliable		
Reliability	One unit's communication error may lead to a breakdown of the whole network	If one unit has errors, it will exit from the network without any influence to other units.		
Communication Efficiency	Low utilization	High utilization		
Communication Efficiency	Communication speed is about 10Kbps.	Communication speed is 20Kbps.		
Compatibility	One main network, difficult to add new equipment	Multiple main networks, easy to add new equipment.		
Communication Distance	1000m	1500m		

• The non-polar CAN communication technology is applied to support flexible wiring installation, greatly reducing construction difficulties.





Wide Range of Voltage and Operation Condition

 Working voltage range of GMV5E system has been improved to 320V~460V, which surpasses the national standard of 342V~420V. For places with unsteady voltage, this system can still be running well.



 Outdoor operation temperature range is improved to -5 C ~52 C in cooling and -20 C ~24 C in heating.



Wider Applicable Location

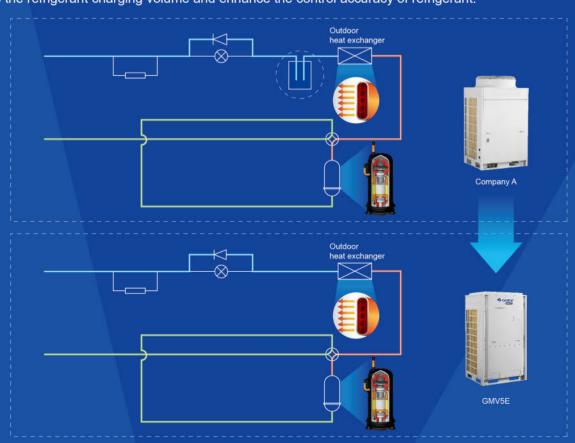
GMV5E can realize a combination of 4 outdoor unit modules connecting with as many as 80 indoor units. It's especially applicable for business building or hotels.



Max IDLI Connection: 80 se

Refrigerant Storage and Distribution

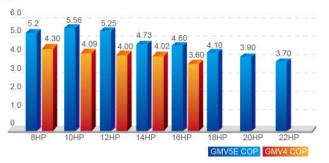
The GMV5E system is designed without liquid receiver and the excess refrigerant is stored in the piping, which can minimize the refrigerant charging volume and enhance the control accuracy of refrigerant.



High Efficiency and More Energy Saving

Thanks to the advanced all DC inverter technology, optimized system design and accurate intelligent control technology, EER of GMV5E is up to 4.73 while COP is up to 5.56.





New Generation of Energy-saving Operation Control Technology with Energy Saving Up to 20%

The GMV5E system has 2 modes for energy saving, which can be chosen to meet different electricity demands.

Mode 1:

In auto energy-saving mode, the system will self-adjust parameters according to the operation status, thus to lower the cost of electricity. Up to 15% of energy can be saved.

Mode 2:

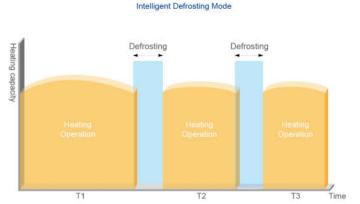
In compulsory energy-saving mode, the system will limit power output forcibly. Up to 20% of energy can be saved.



Intelligent Defrosting Control

During the heating process, the frost status of the unit will be different after affecting by factors of outdoor ambient temperature, load status and operation time. Through real-time detection of operation parameters of the system, it can decide the defrosting time by intelligently estimating the thickness of frost, high pressure of system and blockage status of heat exchanger.







Accurate Intelligent Allocation Technology of Capacity and Output of Optimal Portion to Ensure Highest Efficiency

- When total load demands more than 75% of a running system's capacity, one more unit will automatically start;
- When total load demands less than 40% of a running system's capacity, one unit will automatically shut down:
- Therefore, each unit shares 40%-75% of the total load.
- Experiments show that an air conditioner costs the least energy when it's operating within 40%-75% of its capacity.

	T T T	Gree GMV
Allocation Method	10HP(full load) + 2HP(low load)	6HP(partial load) + 6HP(partial load)
Performance Compared	Unit costs more energy and may be soon damaged.	Unit costs less energy and can always be kept in good condition.

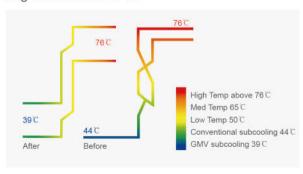
Output of Optimal Portion to Ensure Highest Efficiency

The best heating or cooling performance can be realized in the most energy-saving way. DC inverter compressor and DC inverter fan will also be operating in this way to ensure high efficiency.

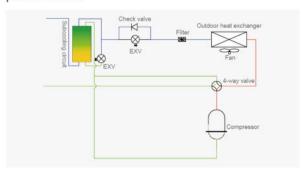


Sub-cooling Control Technology to Ensure Optimal Cooling and Heating

 Heat exchange loop can control the first subcooling process of heat exchanger. Subcooling degree can reach 11°C.



 Subcooling loop can realize 9 °C second subcooling to guarantee cooling and heating performance.



▼ Temperature Controlled by Wired Controller with Higher Efficiency and More Energy Saving

Through setting temperature lower limit in cooling or dry mode, and setting temperature upper limit in heating, 3D heating or heat supply mode, the system is able to operate in a smaller temperature range so as to achieve energy saving.

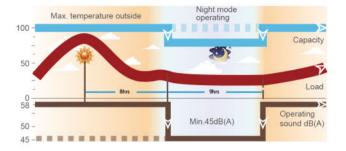
Comfortable Design for A Better Life

The GMV5E system has a wide range of working conditions. Whether it's in a cool winter or a hot summer, normal operation is guaranteed with the least noise, making users feel more comfortable.

Outdoor Unit Quiet Mode and Quiet Control

Quiet at night

The system can record the highest outdoor temperature. At night, the system will automatically turn to quiet mode. There are 9 quiet modes which can be set according to actual needs.



Quiet in compulsion

The system can also be set in this mode to ensure low noise as long as it is operating. Noise is as low as 45dB(A).

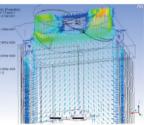


Quiet Control

1. Optimized Bossing Design

After many times of CFD tests, a new fan bossing structure has been developed to reduce vibration of fan during running. Noise can be reduced by 3dB(A).





2. Aerodynamics 3D Axial Fan Compared with conventional fan, it can increase air volume by 12%, improving efficiency as well as lowering noise.





Quiet Indoor Unit

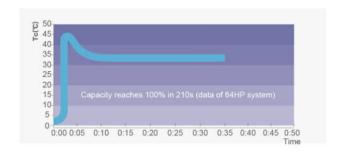
The indoor unit of the GMV5E system also adopts DC inverter motors to realize stepless regulation. According to indoor temperature or people's needs, users can set this mode through wired controller. Noise is as low as 22dB(A).



GMV5E (Indoor)

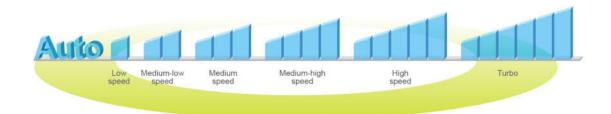
Fast Start-up in Heating

DC Compressor is first started to avoid too much electric current. Inverter compressor can operate in high frequency once starts up, so as to produce more heat.



7 Speeds Indoor Fan

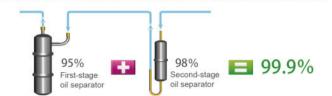
Indoor fan speed can be set in 7 levels by wired controller. They are auto, low speed, medium-low speed, medium-speed, medium-high speed, high speed and turbo. When the wired controller is on, press "FAN" button to set indoor fan speed circularly as below:



Excellent Performance Ensured by Advanced Technology

▼ Two-stage Oil Separation Control Technology (Patented)

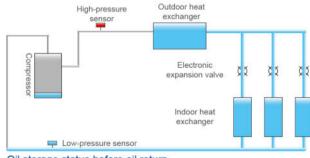
First-stage oil separator adopts a filtration expansion valve with separation efficiency of 98%; Second-stage oil separator will separate the remained 2% refrigerant oil with separation efficiency of 95%. General oil separation efficiency reaches 99.9%.



▼ Oil Return Control Technology

New Oil Return Control

Gree new oil return control technology effectively controls system oil return and oil storage status of each compressor, which greatly improves the operation lifespan of compressor.



Pressure control

Electronic expansion valve

Indoor heat exchanger

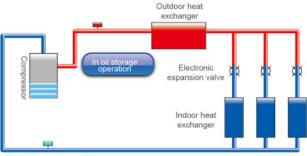
Outdoor heat

Oil storage status before oil return

Oil return operation

Specialized Compressor Oil Storage Control The system applies specialized compresses

The system applies specialized compressor oil storage technology, which can control the lowest oil level for compressor operation.



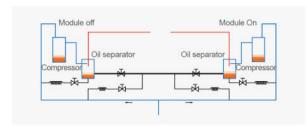
Oil storage operation



Oil Balance Control Technology

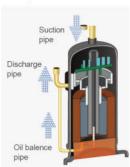
Oil Balance between Each Module

Based on the actual status of each module and compressor, the system can regulate compressor's operation and realize oil balance of each module.



Oil Balance between Each Compressor

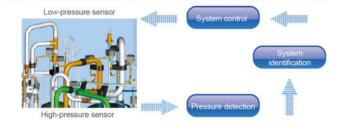
Refrigerant is taken into the compressor by the suction pipe and then runs through the cooling system. It can control the oil level and minimum oil volume required by each compressor so as to realize oil balance between each compressor.



Intelligent Detection Control

Pressure Sensor Detection Control

Pressure sensor can precisely detect system high pressure and low pressure, and adjust output of fan and compressor, so as to make sure the system can work under the most energy-saving pressure condition.

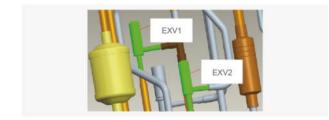


Temperature Sensor Detection Control

Various temperature sensors are equipped to detect ambient temperature, indoor temperature and refrigerant's evaporating temperature, from which the operation status can be measured.

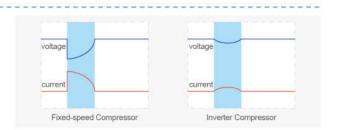
Multi Electronic Expansion Valves Control

Outdoor electronic expansion valve not only has throttling effect, but also control refrigerant flow. The system adopts multi electronic expansion valves control with total 960 grades regulated by two electronic expansion valves, so as to regulate refrigerant flow precisely and ensures reliable operation of system.



Smaller Impact to Power Grid

The start-up frequency of inverter compressor is gradually increased from 0Hz to the appointed operation frequency. The start-up current of compressor rotor is decreased by reducing load torque, hence impact to power grid during start-up is reduced and electromagnetic impact to compressor is reduced too.



Modules Rotation Operating to Maximize Lifespan

Modules 8h rotation operating

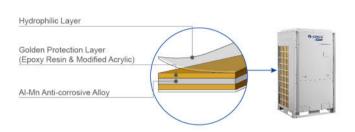
The operating priority sequence of the outdoor unit modules will be changed without restart when the system accumulatively operates for 8 hours, which can maximize the service life of the system.



Highly Anticorrosive Golden Fins

The primary material of Golden Fin is Al-Mn(Alumium-Manganese) anti-rust alloy, which is coated with the Golden Protection Layer(Components: Exoxy Resin & Modified Acrylic, Sillcon free), the anti-corrosice performance in salt-spray testing is 200%~300% higher than normal Blue Fin*.

Note: Satt-spary testing result is from GREE materials chemistry testing laboratory.



▼ Emergency Auto-Off Control

The outdoor unit can be linked with a fire alarm signal. In case of emergency, unit can automatically turn off to avoid risk or further loss.



Lower Power Consumption Operation Mode

As for the area with power consumption limited time period, the maximum power consumption can be set for the operation. Basing on the power consumption of unit and user's requirement, power consumption limitation can be set according to 100%, 90% or80% of the capacity of complete unit. In this case, user can have more selection at the power consumption limited time period.





Electricity Shortage Identification

The outdoor unit can receive a power signal of electricity shortage. In some places like first-class hotels, if diesel generator is used temporarily for providing electricity, outdoor unit will send the electricity shortage signal to indoor unit. In this case, only VIP rooms can be provided with air conditioning service.



Excellent Emergency Operation Function to Ensure Reliable Operation

Emergency Function

The GMV5E system can realize a combination of 4 outdoor unit modules. When error is occurred to one of the modules, the others will perform the emergency operation to sustain the air conditioning.



Emergency Operation of Compressor
 All the compressors in each single
 module are DC Inverter based, when
 one compressor has error, others will
 perform the emergency operation.



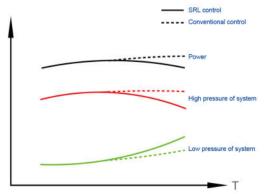
• Emergency Operation of Fan

Double-fan design fan ensures that one fan can still work even if the other one has error.



SRL (Self-reaction Load) Self-adaptive Control

SRL (Self-reaction Load) can intelligently detect and control system parameters and automatically adapt to indoor cold/heat load requirement to reducing unit's power and improve the energy efficiency.



ODU High Static Pressure Design

System has 4 levels of static pressure that can be set. Up to 82Pa pressure can be set for an outdoor unit. This design is especially useful when an outdoor unit needs to be placed indoor.

▼ 1000m Pipe Design for Flexible Installation

GMV5E system can be applied in different types of building construction. One of its advantages is the simple pipe design, which will simplify the installation and reduce installation cost.

- Max total pipe length reaches 1000m (with limitation)
- Actual pipe length between the outdoor unit and the farthest indoor unit: 165m
- Max height difference between indoor unit and outdoor unit: 90m

Note:

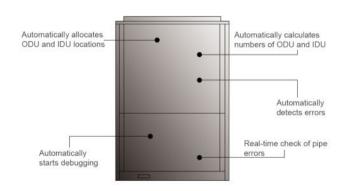
Distance between the first branch and the farthest indoor unit.
 Distance between the frist branch and the nearest indoor unit.

Engineering Debugging for Convenient Construction

1) GMV5E has five auto debugging features:

- Automatic allocation of IDU and ODU addresses
- · Automatic detection of IDU and ODU quantity
- Automatic detection of errors
- Automatic start-up of debugging
- Real-time judgment of pipe errors

185m 90r



2) Diversified debugging methods for satisfying different requirements and improving debugging efficiency:

- ①Button debugging of outdoor unit
- 2 Special GMV debugging system
- ③CE41-24/F(C) debugger* has functions of debugging of complete unit, independent debugging of indoor unit, malfunction display, data record and so on. It's no need to connect special software and PC. Moreover, it can connect external USB storage data.



Debugging button

Three dual 8 nixie tubes display debugging status with high readability



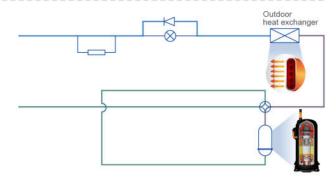


Note:* This debugger is under development.



Auto-refrigerant Recovery for Easy Maintenance

When auto refrigerant recovery function is set and cut-off valve of liquid pipe is closed during maintenance, the system will automatically operate compressor, EXV, solenoid valve and fan, etc. Taking advantage of compressor power, the refrigerant is recovered at the condensing side of outdoor unit to achieve environmental effect. Meanwhile, system low pressure is displayed simultaneously during refrigerant recovery.



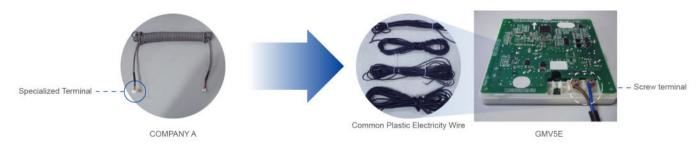
Inspection Window for Convenient Checking

Inspection window is available for quick checking of system operation status. No need to open panel for checking, which will be more time-saving and easier for maintenance.



Flexible Wiring

Common wire can meet the communication demand with no need of specialized communication wire. Common sheath twisted pair cable can be used as there is no polarity requirement.



Auto Addressing of Outdoor and Indoor Unit

CAN network is adopted to achieve auto addressing of outdoor and indoor unit. It can allocate IDU and ODU addresses and detect IDU and ODU quantity, which greatly improves construction efficiency.

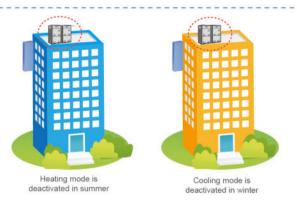


Professional Hotel Functions

Gree GMV5E provides hotels with unique season setting function and key-card control function.

Season Setting

Cooling or heating mode can be deactivated during a certain season to avoid affecting unit's normal operation due to mode conflict.



Key-card Control for Hotel Management

The unit can be turned on or off by inserting or removing the key-card. When the key-card is removed, the system can remember all the setting and stop operation. When the key-card is inserted back, the system will be under standby mode or operate according to the status before removing key-card. It is well suited to hotels, restaurants, etc.









Combination of GMV5E*

Model	GMV-224WWE-X	GMV-280WWE-X (GMV-280WWE1-X)	GMV-335WWE-X	GMV-400WWE-X	GMV-450WWE-X (GMV-450WWE1-X)	GMV-504WWE-X	GMV-560WWE-X	GMV-615WWE->
GMV-224WWE-X	•							
GMV-280WME-X		12						
(GMV-280WME1-X)								
GMV-335WME-X			•					
GMV-400WME-X				•				
GMV-450WWE-X					•			
(GMV-450WWE1-X)					1.00/1	200		
GMV-504WWE-X						•		
GMV-560WWE-X							•	
GMV-615WWE-X								•
GMV-680WWE-X		•		•				
GMV-730WWE-X		•			•			
GMV-785WWE-X		•				•		
GMV-850WWE-X		•					•	
GMV-900WME-X		•						•
GMV-960WME-X			•					•
GMV-1010WME-X				•				•
GMV-1065WWE-X					•			•
GMV-1130WME-X						•		•
GMV-1180WWE-X							•	•
GMV-1235WME-X								
GMV-1300WWE-X		•			•		•	
GMV-1350WM/E-X		•			•			•
GMV-1410WME-X			•		•			•
GMV-1460WM/E-X		•					•	•
GMV-1515WWE-X		•						• •
GMV-1580WME-X			•					• •
GMV-1630WME-X				•				• •
GMV-1685WWE-X					•			• •
GMV-1750WWE-X						•		• •
GMV-1800WM/E-X							•	• •
GMV-1845WM/E-X							1000	•••
GMV-1908WWE-X		•			•		•	•
GMV-1962WWE-X						•	•	•
GMV-2016WM/E-X		•					• •	•
GMV-2072WWE-X		•					•	• •
GMV-2128WWE-X		•						•••
GMV-2184WM/E-X			•					•••
GMV-2240WWE-X			5%	•				
GMV-2295WWE-X				6.T	•			•••
GMV-2350WWE-X						•		•••
GMV-2405WWE-X						-	•	•••
GMV-2460WWE-X							0 M	••••

GMV5E 50Hz&60Hz (380~415V)

	Model			GMV-224WME-X	GMV-280WWE-X	GMV-280WWE1-X	GMV-335WWE-X	GMV-400WWE-X
Capacity range		.,.	HP	8	10	10	12	14
	Cooling	Nom.	kW	22.4	28	28	33.5	40
Capacity	UE	Nom.	kW	25	31.5	31.5	37.5	45
	Heating	Max.	kW	25	31.5	31.5	37.5	45
EER			kW/kW	4.73	4.48	3.05	3.99	3.80
COP Nom. Max.		Nom.	kW/kW	5.20	5.56	4.10	5.25	4.73
		Max.	kW/kW	5.20	5.56	4.10	5.25	4.73
Power supply			V/Ph/Hz		38	30~415V 3Ph 50/60Hz		
Max. Circuit/Fuse Current		Α	16.1/20	20.9/25	20.9/25	24.6/32	28.8/40	
Power comsumption	Cooling	Nom.	kW	4.74	6.25	9.18	8.40	10.53
	11	Nom.	kW	4.81	5.67	7.68	7.14	9.51
	Heating	Max.	kW	4.81	5.67	7.68	7.14	9.51
Maximum drive IDU NO.			unit	13	16	16	19	23
Refrigerant Charge volu	me		kg	5.9	9	6.7	8.2	9.8
Sound power level	Cooling	Nom.	dB(A)	80	84	84	78	91
Sound pressure level	Cooling	Nom.	dB(A)	60	61	61	63	63
	Liq	uid	mm	Ф9.52	Ф9.52	Ф9.52	Ф12.7	Ф12.7
Connecting pipe	Ga	as	mm	Ф19.05	Ф22.2	Ф22.2	Ф25.4	Ф25.4
	Oil ba	lance	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52
D:	Out	line	mm	930×765×1605	930×765×1605	930×765×1605	1340×765×1605	1340×765×1605
Dimension(WxDxH)	Pack	age	mm	1010×840×1775	1010×840×1775	1010×840×1775	1420×840×1775	1420×840×1775
Net weight/Gross weigh	t		kg	225/235	235/245	225/235	285/300	360/375
	40'	GP	set	24	24	24	16	16
Loading quantity	40'	HQ	set	24	24	24	16	16

	Model			GMV-450WWE-X	GMV-450WWE1-X	GMV-504WME-X	GMV-560WM/E-X	GMV-615WWE-X
Capacity range			HP	16	16	18	20	22
	Cooling	Nom.	kW	45	45	50.4	56	61.5
Capacity	Heating	Nom.	kW	50	50	50.4	56	61.5
	Heating	Max.	kW	50	50	56.5	63	69.0
EER			kW/kW	3.51	3.35	3.20	2.80	2.10
COD		Nom.	kW/kW	4.60	4.20	4.10	3.90	3.70
COP Max.		Max.	kW/kW	4.60	4.20	4.01	3.80	3.65
Power supply			V/Ph/Hz		38	0~415V 3Ph 50/60Hz		
Max. Circuit/Fuse Current		А	33.2/40	33.2/40	44.7/50	50/63	53.6/63	
Power comsumption	Cooling	Nom.	kW	12.82	13.43	15.75	20.00	29.29
	11	Nom.	kW	10.86	11.90	12.29	14.36	16.62
	Heating	Max.	kW	10.86	11.90	14.10	16.60	18.90
Maximum drive IDU NO.			unit	26	26	29	33	36
Refrigerant Charge volu	me		kg	10.3	10.3	11.3	14.3	14.3
Sound power level	Cooling	Nom.	dB(A)	93	90	89	84	84
Sound pressure level	Cooling	Nom.	dB(A)	63	63	63	63	64
	Liq	uid	mm	Ф12.7	Ф12.7	Ф15.9	Ф15.9	Ф15.9
Connecting pipe	Ga	as	mm	Ф28.6	Ф28.6	Ф28.6	Ф28.6	Ф28.6
	Oil ba	lance	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52
Dimension (M/D/H)	Out	line	mm	1340×765×1740	1340×765×1605	1340×765×1740	1340×765×1740	1340×765×1740
Dimension(WxDxH)	Pack	age	mm	1420×840×1910	1420×840×1775	1420×840×1910	1420×840×1910	1420×840×1910
Net weight/Gross weigh	t		kg	360/375	360/375	360/375	385/400	385/400
Landing supplify	40'	GP	set	16	16	16	16	16
Loading quantity	40'	HQ	set	16	16	16	16	16



Note:
1.Due to the same capacity, GMV-280WM/E1-X model and GMV-280WM/E-X model can replace each other for operation, GMV-450WM/E1-X model and GMV-450WM/E-X model can replace each other for operation.

2. The combination models of the outdoor units are not Eurovent certified.

Specifications of GMV5E Combination

		c	Capacity		Pov	ver Inpu	ıt		Airflow		Connect diam		Oil Balance	Min.	Max	
Model	Power	Cooling	Hea	ating	Cooling	Hea	iting	Dimension(W×D×H)	Volume	ESP	500 S		Pipe	circuit current	fuse	Weight
	Supply	Nom.	Nom.	Max.	Nom.	Nom.	Max				Liquid	Gas		current	current	
		kW	kW	kW	kW	kW	kW	mm	m³/h	Pa	mm	mm	mm	Α	Α	kg
GMV-680WWE-X		68.0	76.5	76.5	16.8	15.2	15.2	(930×765×1605) +(1340×765×1605)	11400+ 14000	82	Ф15.9	Ф28.6	Ф9.52	49.7	63	235+360
GMV-730WWE-X		73.0	81.5	81.5	19.1	16.5	16.5	(930×765×1605) +(1340×765×1740)	11400+ 16000	82	Ф19.05	Ф31.8	Ф9.52	54.1	63	235+360
GMV-785WWE-X		78.4	81.9	88.0	22.0	18.0	19.8	(930×765×1605) +(1340×765×1740)	11400+ 16000	82	Ф19.05	Ф31.8	Ф9.52	65.6	80	235+360
GMV-850WWE-X		84.0	87.5	94.5	26.3	20.0	22.3	(930×765×1605) +(1340×765×1740)	11400+ 16000	82	Ф19.05	Ф31.8	Ф9.52	70.9	80	235+385
GMV-900WWE-X		89.5	93.0	100.5	35.5	22.3	24.6	(930×765×1605) +(1340×765×1740)	11400+ 16000	82	Ф19.05	Ф31.8	Ф9.52	74.5	80	235+385
GMV-960WWE-X		95.0	99.0	106.5	37.7	23.8	26.0	(1340×765×1605) +(1340×765×1740)	14000+ 16000	82	Ф19.05	Ф31.8	Ф9.52	78.2	80	285+385
GMV-1010WME-X		101.5	106.5	114.0	39.8	26.1	28.4	(1340×765×1605) +(1340×765×1740)	14000+ 16000	82	Ф19.05	Ф38.1	Ф9.52	82.4	100	360+385
GMV-1065WWE-X		106.5	111.5	119.0	42.1	27.5	29.8	(1340×765×1740) ×2	16000×2	82	Ф19.05	Ф38.1	Ф9.52	86.8	100	360+385
GMV-1130WWE-X		111.9	111.9	125.5	45.0	28.9	33.0	(1340×765×1740) ×2	16000×2	82	Ф19.05	Ф38.1	Ф9.52	98.3	125	360+385
GMV-1180WWE-X		117.5	117.5	132.0	49.3	31.0	35.5	(1340×765×1740) ×2	16000×2	82	Ф19.05	Ф38.1	Ф9.52	103.6	125	385×2
GMV-1235WWE-X		123.0	123.0	138.0	58.6	33.2	37.8	(1340×765×1740) ×2	16000×2	82	Ф19.05	Ф38.1	Ф9.52	107.2	125	385×2
GMV-1300WME-X		129.0	137.5	144.5	39.1	30.9	33.1	(930×765×1605) +(1340×765×1740)×2	11400+1 6000×2	82	Ф19.05	Ф38.1	Ф9.52	104.1	125	235+360 +385
GMV-1350WWE-X		134.5	143.0	150.5	48.4	33.2	35.4	(930×765×1605) +(1340×765×1740)×2	11400+ 16000×2	82	Ф19.05	Ф38.1	Ф9.52	107.7	125	235+360 +385
GMV-1410WME-X		140.0	149.0	156.5	50.5	34.6	36.9	(1340×765×1605) +(1340×765×1740)×2	14000+ 16000×2	82	Ф19.05	Ф41.3	Ф9.52	111.4	125	285+360 +385
GMV-1460WME-X		145.5	149.0	163.5	55.5	36.7	41.2	(930×765×1605) +(1340×765×1740)×2	11400+ 16000×2	82	Ф19.05	Ф41.3	Ф9.52	124.5	160	235+385 ×2
GMV-1515WWE-X	380~41	151.0	154.5	169.5	64.8	38.9	43.5	(930×765×1605) +(1340×765×1740)×2	11400+ 16000×2	82	Ф19.05	Ф41.3	Ф9.52	128.1	160	235+385 ×2
GMV-1580WME-X	5V 3Ph 50/60H	156.5	160.5	175.5	67.0	40.4	44.9	(1340×765×1605) +(1340×765×1740)×2	14000+ 16000×2	82	Ф19.05	Ф41.3	Ф9.52	131.8	160	285+385 ×2
GMV-1630WME-X	Z	163.0	168.0	183.0	69.1	42.8	47.3	(1340×765×1605) +(1340×765×1740)×2	14000+ 16000×2	82	Ф19.05	Ф41.3	Ф9.52	136.0	160	360+385 ×2
GMV-1685WME-X		168.0	173.0	188.0	71.4	44.1	48.7	(1340×765×1740) ×3	16000×3	82	Ф19.05	Ф41.3	Ф9.52	140.4	160	360+385 ×2
GMV-1750WWE-X		173.4	173.4	194.5	74.3	45.5	51.9	(1340×765×1740) ×3	16000×3	82	Ф19.05	Ф41.3	Ф9.52	151.9	160	360+385 ×2
GMV-1800WWE-X		179.0	179.0	201.0	78.6	47.6	54.4	(1340×765×1740) ×3	16000×3	82	Ф19.05	Ф41.3	Ф9.52	157.2	180	385×3
GMV-1845WWE-X		184.5	184.5	207.0	87.9	49.9	56.7	(1340×765×1740) ×3	16000×3	82	Ф19.05	Ф41.3	Ф9.52	160.8	180	385×3
GMV-1908WWE-X		190.5	199.0	213.5	68.4	47.5	52.0	(930×765×1605) +(1340×765×1740)×3	11400+ 16000×3	82	Ф22.2	Ф44.5	Ф9.52	157.7	180	235+360 +385×2
GMV-1962WWE-X		195.9	199.4	220.0	71.3	48.9	55.3	(930×765×1605) +(1340×765×1740)×3	11400+ 16000×3	82	Ф22.2	Ф44.5	Ф9.52	169.2	180	235+360 +385×2
GMV-2016WM/E-X		201.5	205.0	226.5	75.5	51.0	57.8	(930×765×1605) +(1340×765×1740)×3	11400+ 16000×3	82	Ф22.2	Ф44.5	Ф9.52	174.5	200	235+385 ×3
GMV-2072WME-X		207.0	210.5	232.5	84.8	53.3	60.1	(930×765×1605) +(1340×765×1740)×3	11400+ 16000×3	82	Ф22.2	Ф44.5	Ф9.52	178.1	200	235+385 ×3
GMV-2128WME-X		212.5	216.0	238.5	94.1	55.5	62.4	(930×765×1605) +(1340×765×1740)×3	11400+ 16000×3	82	Ф22.2	Ф44.5	Ф9.52	181.7	200	235+385 ×3
GMV-2184WWE-X		218.0	222.0	244.5	96.3	57.0	63.8	(1340×765×1605) +(1340×765×1740)×3	14000+ 16000×3	82	Ф22.2	Ф44.5	Ф9.52	185.4	200	285+385 ×3
GMV-2240WWE-X		224.5	229.5	252.0	98.4	59.4	66.2	(1340×765×1605) +(1340×765×1740)×3	14000+ 16000×3	82	Ф22.2	Ф44.5	Ф9.52	189.6	200	360+385 ×3
GMV-2295WWE-X		229.5	234.5	257.0	100.7	60.7	67.6	(1340×765×1740) ×4	16000×4	82	Ф22.2	Ф44.5	Ф9.52	194.0	225	360+385 ×3
GMV-2350WWE-X		234.9	234.9	Linear State of State	103.6	62.2	70.8	(1340×765×1740) ×4	16000×4	1100000	Ф22.2	Ф44.5	Ф9.52	205.5	225	360+385 ×3
GMV-2405WWE-X		240.5		270.0	107.9	64.2	73.3	(1340×765×1740) ×4	16000×4		Ф22.2	Ф44.5	Ф9.52	210.8	225	385×4
GMV-2460WWE-X		246.0	246.0	276.0	117.2	66.5	75.6	(1340×765×1740) ×4	16000×4	82	Ф22.2	Ф44.5	Ф9.52	214.4	225	385×4

6MV5 Mini & Slim





^{1.}Due to the same capacity, GMV-280WM/E1-X model and GMV-280WM/E-X model can replace each other for operation, GMV-450WM/E1-X model and GMV-450WM/E-X model can replace each other for operation.

2. The combination models of the outdoor units are not Eurovent certified.

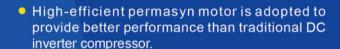
Key Features

All DC Inverter Technology to Improve Compression Efficiency

All DC inverter compressor and high-performance high pressure chamber are adopted to reduce loss of overheat and improve compression efficiency from direct intake. Compared with low pressure chamber, the compression efficiency is improved. High-efficient permasyn motor is adopted to provide better performance than traditional DC inverter compressor.

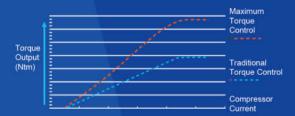
All DC Inverter Compressor

 All DC inverter compressor is used in this system.
 It can directly intake gas to reduce loss of overheat and improve efficiency.





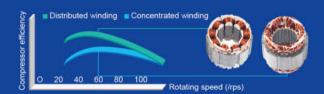
It can reduce energy loss caused by device winding so as to realize higher efficiency.



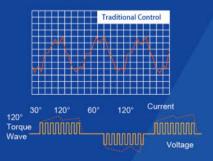
Low-frequency Torque Control It can directly control motor torque, through which fan motor can run at a low speed. Users will feel more comfortable while requirements of the system are also met.

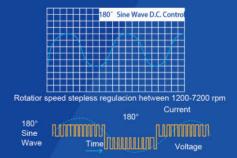






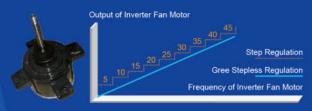
180° Sine Wave DC Speed Varying Technology
 It can satisfy various places' demands for different temperature and is able to save a great deal of electricity and provide users with utmost comfort at the same time.





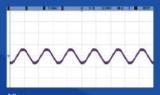
Sensorless DC Inverter Fan Motor

 Stepless speed regulation ranges from 5Hz to 44Hz.Compared with traditional inverter motors, the operation is more energy-saving.



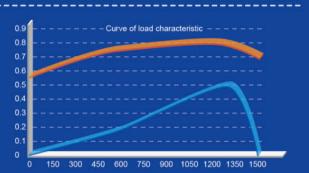
 Sensorless control technology guarantees lower noise, less vibration and steadier operation.





Sensorless DC Inverter Fan Motor

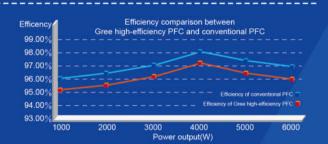
The indoor unit adopts high-efficiency brushless DC motor. Compared with conventional motor, the efficiency of brushless DC motor is improved by more than 30%. Meanwhile, the design of evaporation capacity flow is optimized through emulation software of refrigeration system and the heat exchange amount of evaporator is greatly improved.



High-efficiency Digital PFC Control *

High-efficiency PFC control technology is adopted with efficiency improved by about 1% compared with conventional PFC. For the air conditioner with rated power of 5kW, 50W of electricity can be saved every hour and 1.2kW of electricity can be saved every day.

*This feature is applicable for GMV5 Mini only.



Wider Operation Condition Range

The unit adopts DC motor with more accurate high pressure control, which effectively solves the high pressure control problem in low a mbient temperature cooling. So the operation range in cooling is wider.





Comfortable and Quiet Model

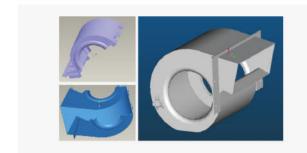
Low Noise of Outdoor Unit

- The advanced sub-cooling control technology is applied to reduce the liquid flow noise of indoor unit in cooling operation.
- Noise of outdoor unit can be as low as 45dB thanks to noise optimized design or fan system and compressor system, and multiple kinds of quiet modes of outdoor unit.

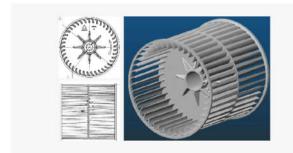


Low Noise of Indoor Unit

 The pioneering and patented high-efficiency centrifugal fan blade and low-noise volute are adopted. Meanwhile, the imported silent valve is adopted to reduce noise of entire unit as low as 22db(A).



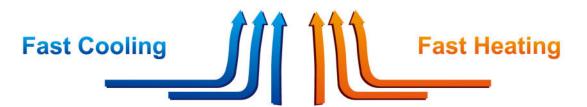
 By adopting the optimal inlet angle of centrifugal fan blade and optimal diameter ratio between internal and external circles of impeller, the air volume is increased and fan noise is decreased greatly.



 The advanced supercooling control technology and the oil-return technology under heating mode has efficiently solved the problem of liquid flow noise of indoor unit, which improved the sound quality of indoor unit.

▼ Intelligent Temperature Control Technology

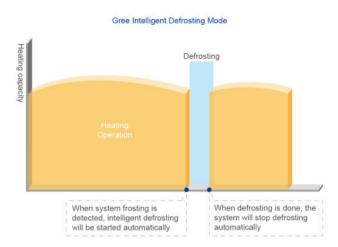
Intelligent temperature control technology is adopted for super fast cooling or heating, so that indoor temperature will reach set temperature more quickly.



Comfortable Heating

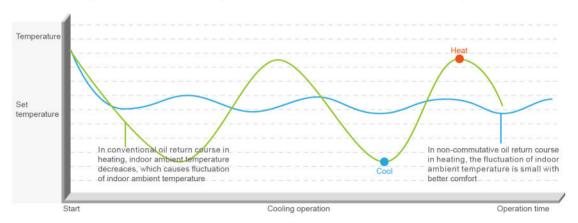
Advanced intelligent defrosting mode is adopted. Gree advanced intelligent defrosting mode will choose the best defrosting way according to outdoor temperature and operation status to realize intelligent defrosting, effectively improving heating effect and performance. While in traditional defrosting mode, timing defrosting is adopted, which not only affects comfort but also reduces energy efficiency.





Non-commutative Oil Return Technology in Heating

The unit can achieve non-commutative oil return in heating when outdoor ambient temperature is within 0~20°C. Thanks to this technology, indoor ambient temperature is more stable and comfort is improved in heating mode.

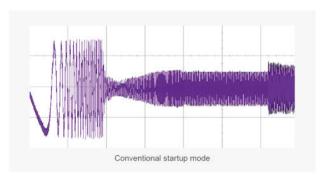


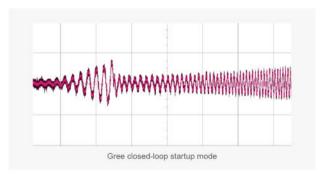


Reliable Operation

Compressor Closed-loop Startup Technology with More Reliable Startup

The self-innovative closed-loop startup control technology is adopted. Thanks to this technology, the startup current is small and startup is more reliable.





▼ High Anti-interference Ability

The latest CAN bus communication technology is adopted, with non-polar communication and high anti-interference ability. Common communication wire can meet the communication demand with no need of specialized shielded wire. The customers can buy the communication wire by themselves, greatly reducing installation difficulties.







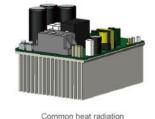
Advanced High-frequency Transformer with More Stable Voltage

- The advanced switching power supply is adopted with lower power consumption and higher power efficiency.
- Wide voltage-regulation range ensures stable voltage output when the voltage of grid fluctuates.
- Compared with conventional transformer, the size of high-frequency transformer is small and the weight is light.



Refrigerant Cooling Technology*

Usually, air-cooled fins are adopted for heat radiation. Due to large size and passive radiation, heat radiating effect is unsatisfactory; with refrigerant cooling technology, heat radiating effect is much better because of compact structure and active radiation. Module temperature is dropped from 80°C to 65 °C, which will increase module life and stability.





Easy Installation and Transportation

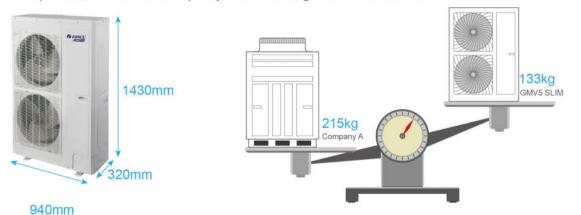
▼ Ultra-long Connection Pipe for More Convenient Connection

Under the subcooling control technology gained by adding subcooler, the indoor unit and outdoor unit of GMV5 mini can operate reliably with longer connection pipe.

				1
	Company A	Gree GMV5 Slim	Gree GMV5 Mini	Gree GMV5 Mini
Total piping length	150m	300m	300m	250m
Equivalent piping length	70m	150m	150m	120m

▼ Top Advanced Light and Compact Size

GMV5 slim adopts small and compact size design. The dimension of the unit is 1430(H)×940(W) ×320(D). Compared with the normal product with the same capacity, size and weight are reduced a lot.



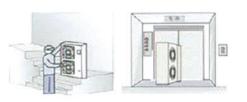
Easy Installation with Lower Construction Cost

The outdoor unit of GMV5 slim is with small size and light weight. No need fork lifter and crane for movement and installation



Movement by Stairs and Elevator

The outdoor unit of GMV5 slim is with compact and small size for saving space and easy movement. It can be carried by elevator or stairs.





^{*:} This feature is applicable for GMV5 slim only.



Outdoor Units Lineup

GMV5 Mini

Model Product 3 GMV-80WL/C-T 3.5 GMV-100WL/C-T

GMV5 Mini

GMV5 Slim

HP	Model	Product		
4	GMV-120WL/C-T GMV-120WL/C-X			
5	GMV-140WL/C-T GMV-140WL/C-X			
6	GMV-160WL/C-T GMV-160WL/C-X	782		

HP	Model	Product
8	GMV-224WL/C-X	*200
10	GMV-280WL/C-X	
12	GMV-335WL/C-X	

6MV5 Mini

50Hz&60Hz (220~240V & 208~230V)

	Model		GMV-80WL/C-T	GMV-100WL/C-T	GMV-121WL/C-T
Capacity range		HP	3	3.5	4
0	Cooling	kW	8	10	12.1
Capacity	Heating	kW	9	11	13
EER		W/W	3.90	3.70	3.51
COP		W/W	4.74	4.40	4.81
Power supply		V/Ph/Hz		220-240/1/50 & 208-230/1/60	
Max. Circuit/Fuse Current		A	25	25	32
Power comsumption	Cooling	kW	2.05	2.7	3.45
	Heating	kW	1.9	2.5	2.7
Maximum drive IDU NO.		unit	4	5	6
Refrigerant Charge volume		kg	1,8	1.8	2
Sound power level		dB(A)	68	69	70
Connecting pine	Liquid	mm	Ф9.52	Ф9.52	Ф9.52
Connecting pipe	Gas	mm	Ф15.9	Ф15.9	Ф15.9
Dimension(MAD)(1)	Outline	mm	980×360×790	980×360×790	980×360×790
Dimension(WxDxH)	Package	mm	1129×478×937	1129×478×937	1129×478×937
Net weight/Gross weight		kg	80/90	80/90	85/95
Landing growth.	40' GP	set	100	100	100
Loading quantity	40' HQ	set	100	100	100

	Model		GMV-120WL/C-T	GMV-140WL/C-T	GMV-160WL/C-T
Capacity range		HP	4	5	6
	Cooling	kW	12.1	14	16
Capacity	Heating	kW	14	16.5	18
EER	• 10 10 10 10 10 10 10 10 10 10 10 10 10	W/W	3.99	3.90	3.37
COP		W/W	4.28	4.18	3.87
Power supply		V/Ph/Hz		220-240/1/50 & 208-230/1/60	
Max. Circuit/Fuse Current		A	32	40	40
D	Cooling	kW	3.03	3.59	4.75
Power comsumption	Heating	kW	3.27	3.95	4.65
Maximum drive IDU NO.		unit	7	8	9
Refrigerant Charge volume		kg	3.3	3.3	3.3
Sound power level		dB(A)	68	69	69
	Liquid	mm	Ф9.52	Ф9.52	Ф9.52
Connecting pipe	Gas	mm	Ф15.9	Ф15.9	Ф19.1
Dii(M.D.II)	Outline	mm	900×340×1345	900×340×1345	900×340×1345
Dimension(WxDxH)	Package	mm	1048×458×1507	1048×458×1507	1048×458×1507
Net weight/Gross weight kg		kg	112	112	112
	40' GP	set	57	57	57
Loading quantity	40' HQ	set	57	57	57

> 50Hz&60Hz (380~415V)

Model			GMV-120WL/C-X	GMV-140WL/C-X	GMV-160WL/C-X
Capacity range		HP	4	5	6
0	Cooling	kW	12.1	14	16
Capacity	Heating	kW	14	16.5	18
EER		W/W	3.99	3.90	3.37
COP		W/W	4.28	4.18	3.87
Power supply		V/Ph/Hz		380-415/3/50&380-415/3/60	
Max Circuit/Fuse Current		A	16	16	16
D	Cooling	kW	3.03	3.59	4.75
Power comsumption	Heating	kW	3.27	3.95	4.65
Maximum drive IDU NO.		unit	7	8	9
Refrigerant Charge volume		kg	3.3	3.3	3.3
Sound power level		dB(A)	68	69	69
0	Liquid	mm	Ф9.52	Ф9.52	Ф9.52
Connecting pipe	Gas	mm	Ф15.9	Ф15.9	Ф19.1
01	Outline	mm	900×340×1345	900×340×1345	900×340×1345
Dimension(WxDxH)	Package	mm	1048×458×1507	1048×458×1507	1048×458×1507
Net weight/Gross weight		kg	122	122	122
Landing accountibut	40' GP	set	57	57	57
Loading quantity	40' HQ	set	57	57	57

6MV5 SLIM

MV5 SLIM 50Hz&60Hz

	Model		GMV-224WL/C-X	GMV-280WL/C-X	GMV-335WL/C-X	
Capacity range		HP	8	10	12	
Conneils	Cooling	kW	22.4	28	33.5	
Capacity	Heating	kW	24	30	35	
EER		W/W	3.66	3.6	3.5	
COP		W/W	4.9	4.9	4.9	
Power supply		V/Ph/Hz	380-415,3,50/60Hz	380-415,3,50/60Hz	380-415,3,50/60Hz	
Max. Circuit/Fuse Current		A	17.20	22.4	24.5	
Deves communication	Cooling	kW	6.12	7.78	9.57	
Power comsumption	Heating	kW	4.9	6.12	7.14	
Maximum drive IDU NO.		unit	13	17	20	
Refrigerant Charge volume		kg	5.5	7.1	8	
Sound power level		dB(A)	74	74	76	
	Liquid	mm	9.52	9.52	12.7	
Connecting pipe	Gas	mm	19.05	22.2	25.4	
Dimension (MuDul I)	Outline	mm	940x320x1430	940x460x1615	940x460x1615	
Dimension (WxDxH)	Package	mm	1038x438x1580	1038x578x1765	1038x578x1765	
Net weight/Gross weight		kg	133	166	177	
	40' GP	set	56	44	44	
Loading quantity	40' HQ	set	56	44	44	



6MV5 Heat Recovery

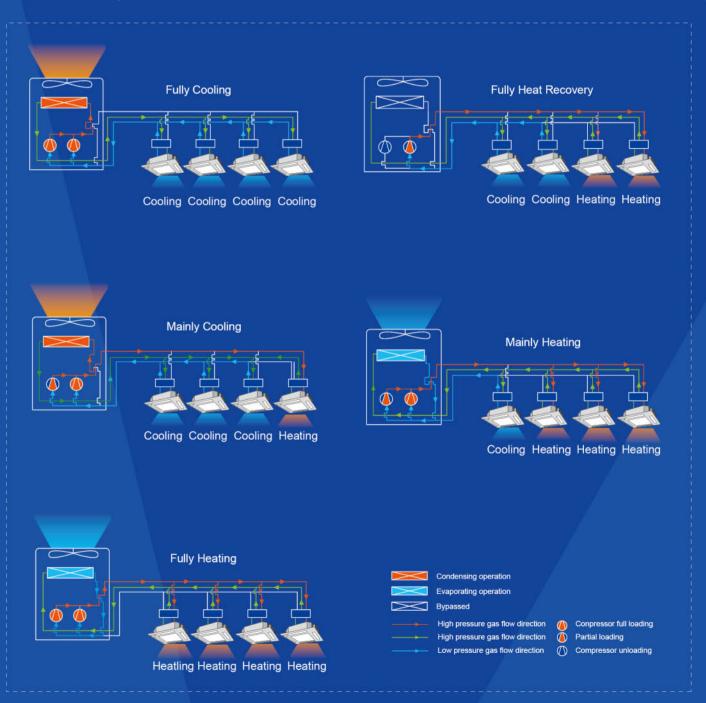


Key Features

High Efficiency

GMV5 Heat Recovery System embodies the excellent features of GMV5 (DC inverter technology, DC fan linkage control, precise control of capacity output, balancing control of refrigerant, original oil balancing technology with high pressure chamber, high-efficiency output control, low-temperature operation control technology, super heating technology, high adaptability for project, environmental refrigerant). Its energy efficiency is improved by 78% compared with conventional multi VRF.

• Five Efficient Operation Modes



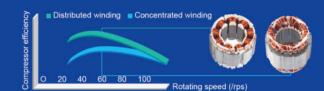


All DC Inverter Technology to Improve Compression Efficiency

 All DC inverter compressor is used in this system. It can directly intake gas to reduce loss of overheat and improve efficiency.



 High-efficient permasyn motor is adopted to provide better performance than traditional DC inverter compressor.



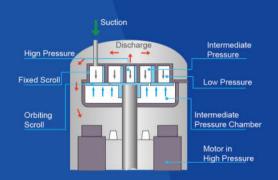
High Pressure Chamber Design

What's high pressure chamber?

The low-temperature and low-pressure refrigerant gas inhaled from the suction inlet of compressor will change to high-temperature and high-pressure gas after compression by scroll plate. Then the gas will go out from the exhaust at the center of fixed scroll and get into the lower chamber of compressor, so that the chamber of compressor is in high temperature and high pressure.

What's the benefits of high pressure chamber?

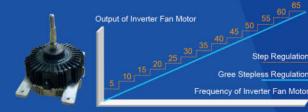
High pressure chamber compressor inhales directly to reduce overheat suction loss and improve compression efficiency.





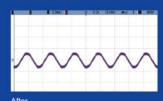
Sensorless DC Inverter Fan Motor

Stepless speed regulation ranges from **5Hz** to **65Hz**.Compared with traditional inverter motors, the operation is more energy-saving.



Sensorless control technology guarantees lower noise, less vibration and steadier operation.





Wide Range of Voltage to Ensure a Steady System Running

Working voltage range of GMV5 system has been improved to 320V-460V, which surpasses the national standard of 342V-420V. For places with unsteady voltage, this system can still be running well



Wider Applicable Location

GMV5 HR can realize a combination of 4 outdoor unit modules connecting with as many as 80 indoor units. It's especially applicable for business building or hotels.



Max. IDU Connection: 80 sets

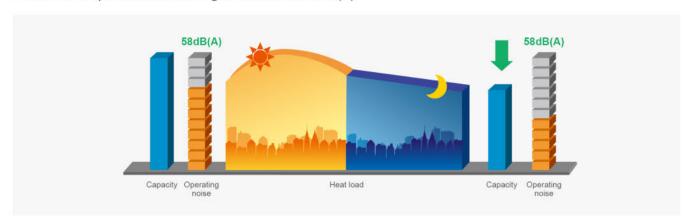


Comfortable Design for A Better Life

Intelligent Quiet Function at Night

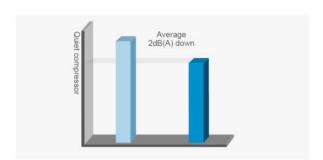
Quiet at night

Intelligently adjustment of outdoor fan control can minimize the noise during night time. Up to 8dB(A) can be reduced and operation noise at night is as low as 50dB(A).



Low noise design

HP Chamber compressor has lower exhaust pressure fluctuation so that noise is lower.

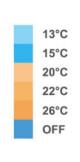


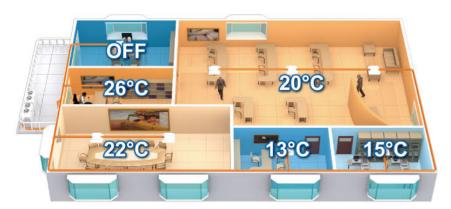
The optimized design of condensing fan blade reduces the air flow turbulence among blades, so that the noise is lower.



Individual Control for More Energy Saving

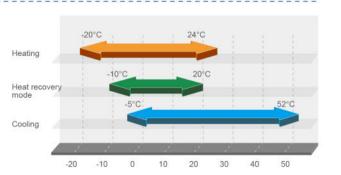
The set temperature of each room may vary by the individual thermostat control of each indoor unit. The cooling and heating operation can be performed at the same time.





▼ Wide Operation Range

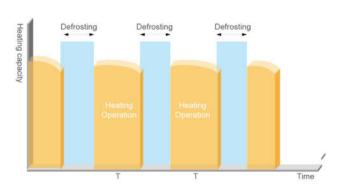
The unit can operates in wide range, greatly reducing the ambient temperature limitation.



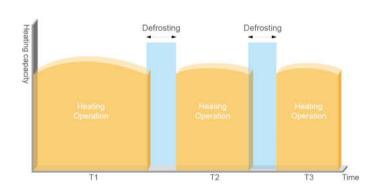
Intelligent Defrosting Control

During the heating process, the frost status of the unit will be different after affecting by factors of outdoor ambient temperature, load status and operation time. Through real-time detection of operation parameters of the system, it can decide the defrosting time by intelligently estimating the thickness of frost, high pressure of system and blockage status of heat exchanger.





Intelligent Defrosting Mode





Excellent Performance Ensured by Advanced Technology

Modules Rotation Operating to Maximize Lifespan

Modules 8h rotation operating

The operating priority sequence of the outdoor unit modules will be changed without restart when the system accumulatively operates for 8 hours, which can maximize the service life of the system.



Excellent Emergency Operation Function to Ensure Reliable Operation

Emergency Function

The GMV5 system can realize a combination of 4 outdoor unit modules. When error is occurred to one of the modules, the others will perform the emergency operation to sustain the air conditioning.



All the compressors in each single module are DC Inverter based, when one compressor has error, others will perform the emergency operation.

Emergency Operation of Fan

Double-fan design ensures that one fan can still work even if the other one has error.

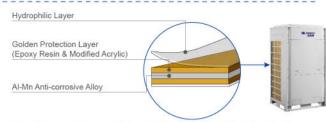






▼ Highly Anticorrosive Golden Fins

The primary material of Golden Fin is Al-Mn(Alumium-Manganese) anti-rust alloy, which is coated with the Golden Protection Layer(Components: Exoxy Resin & Modified Acrylic, Sillcon free), the anti-corrosice performance in salt-spray testing is 200%~300% higher than normal Blue Fin*.

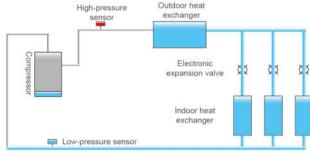


Note: Satt-spary testing result is from GREE materials chemistry testing laboratory.

▼ Oil Return Control Technology

New Oil Return Control

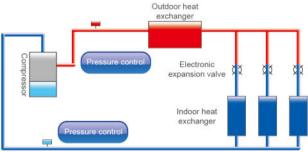
Gree new oil return control technology effectively controls system oil return and oil storage status of each compressor, which greatly improves the operation lifespan of compressor.



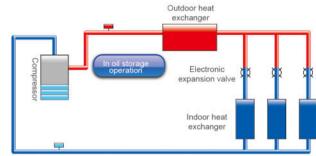
Oil storage status before oil return

• Specialized Compressor Oil Storage Control

The system applies specialized compressor oil storage technology, which can control the lowest oil level for compressor operation.



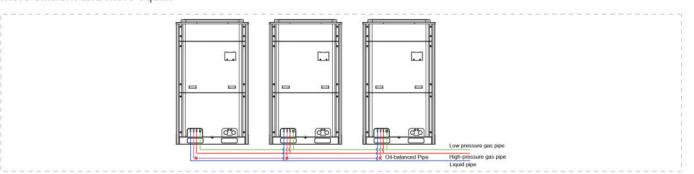
Oil return operation



Oil storage operation

Without External Oil-balanced Pipe Design

The unit is without external oil-balanced pipe design, reducing system pipeline connection and easy for engineering installation. The system will allocate lubricating oil of each module according to its demand, which is more intelligent, more efficient and more equal.





Easy Installation and Maintenance

Compact Design

With compact design, the outdoor unit can be carried to the roof of building through elevator, with no need of crane. It is easier for delivery and installation.



Easy Transportation

Optimized base frame

Optimized base frame, the locating and fixing of the outdoor unit during installation is more convenient and reliable.



Transportable by forklift



• Five-way piping connection

Piping and wiring are availiable to the front and back, left and right, and bottom.

The five-way piping connection reduces installation difficulty and cost, improves the installation efficiency.



Easy Maintenance

 Inspection window is available for quick checking of system operation status. No need to open panel for checking, which will be more time-saving and easier for maintenance.



Error Display & Self-diagnostic Function
 Through LED display(different combinations of ON, OFF, or BLINK) on the main board, the malfunction can be judged.





6MV5 HR Lineup

▼ GMV5 HR Lineup

HP	Model	Product Outlook
8HP	GMV-Q224WM/E-X	100 mg/s
10HP	GMV-Q280WM/E-X	
12HP	GMV-Q335WM/E-X	eggs
14HP	GMV-Q400WM/E-X	
16HP	GMV-Q450WM/E-X	

Model	Product Outlook
NCHS1C	
NCHS2C	The same
NCHS4C	- division -
NCHS8C	The character of the contract

Specifications and Parameters 50/60 Hz

	Model		GMV-Q224WWE-X	GMV-Q280WWE-X	GMV-Q335WWE-X	GMV-Q400WWE-X	GMV-Q450WWE-X	
Capacity range		HP	8	10	12	14	16	
Capacity	Cooling	kW	22.4	28	33.5	40	45	
Capacity	Heating	kW	25	31.5	37.5	45	50	
EER		kW/kW	4.09	3.44	4.04	3.36	3.04	
COP		kW/kW	4.75	4.32	4.87	4.5	3.94	
Power supply		V/Ph/Hz			380~415V 3Ph 50/60Hz			
Max. Circuit/Fuse Current		A	16.3/20	20.9/25	24.7/32	28.8/40	33.2/40	
Power	Cooling	kW	5.48	8.15	8.3	11.9	14.8	
comsumption	Heating	kW	5.26	7.3	7.7	10	12.7	
Maximum drive IDU NO.		unit	13	16	19	23	26	
Refrigerant Charge w	olume	kg	6.2	7.1	9.6	11.1	11.6	
Sound power level	Cooling	dB(A)	82	84	85	90	90	
Sound pressure level	Cooling	dB(A)	60	61	63	63	63	
	Liquid	mm	Ф9.52	Ф9.52	Ф12.7	Ф12.7	Ф12.7	
Connecting pipe	High Pressure Gas	mm	Ф15.9	Ф19.05	Ф19.05	Ф22.2	Ф22.2	
	Low Pressure Gas	mm	Ф19.05	Ф22.2	Ф25.4	Ф25.4	Ф28.6	
Dimension(WxDxH)	Outline	mm	930×765×1605	930×765×1605	1340×765×1605	1340×765×1605	1340×765×1605	
Jimension(wxbxn)	Package	mm	1010×840×1775	1010×840×1775	1420×840×1775	1420×840×1775	1420×840×1775	
Net weight/Gross wei	ight	kg	233/243	233/243	302/317	346/361	346/361	
oading quantity	40' GP	set	24	24	16	16	16	
Loading quantity	40' HQ	set	24	24	16	16	16	

50/60 Hz

Mod	el		NCHS1C	NCHS2C	NCHS4C	NCHS8C
Max.IDU Branches		unit	1	2	4	8
No. of connectable II	OU of each branch	unit	8	8	8	8
Total Connectable II	DU	unit	8	16	32	64
Max. Capacity of eac	h branch	kW	14.2	14.2	14.2	14.2
Max. Capacity of cor	inectable IDU	kW	14.2	28	45	68
Power supply		V/Ph/Hz		220~240V 1P	h 50/60Hz	
Power comsumption		W	8	28	44	80
Max, branch quantity	of connecting IDU	unit	1	2	4	8
Outdoor Unit	Liquid	mm	Ф9.52	Ф9.52	Ф12.7	Ф15.9
	Gas(Low pressure)	mm	Ф2	2.2	Ф28.	6
Piping Connection	Gas(High pressure)	mm	Ф15.9	Ф19.05	Ф22.2	Ф22.2
Indoor Unit Piping	Liquid	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52
Connection	Gas	mm	Ф15.9	Ф15.9	Ф15.9	Ф15.9

Note: GMV-Q**WM/E-X and NCHS*C are fixed match, which cannot be matched with the outdoor units and mode exchangers of other types.

▼ ODU Combination Lineup-GMV5 HR*

Model	GMV-Q224WM/E-X	GMV-Q280WM/E-X	GMV-Q335WM/E-X	GMV-Q400WM/E-X	GMV-Q450WM/E-X
GMV-Q224WM/E-X	•				
GMV-Q280WM/E-X		•			
GMV-Q335WM/E-X			•		
GMV-Q400WM/E-X				•	
GMV-Q450WM/E-X					•
GMV-Q504WM/E-X	•	•			
GMV-Q560WM/E-X		••			
GMV-Q615WM/E-X		•	•		
GMV-Q680WM/E-X		•		•	
GMV-Q730WM/E-X		•			•
GMV-Q785WM/E-X			•		•
GMV-Q850WM/E-X				•	•
GMV-Q900WM/E-X					••
GMV-Q960WM/E-X		••		•	
GMV-Q1010WM/E-X		••			•
GMV-Q1065WM/E-X		•	•		•
GMV-Q1130WM/E-X		•		•	•
GMV-Q1180WM/E-X		•			••
GMV-Q1235WM/E-X			•		••
GMV-Q1300WM/E-X				•	••
GMV-Q1350WM/E-X					•••
GMV-Q1410WM/E-X		••		•	•
GMV-Q1460WM/E-X		••			••
GMV-Q1515WM/E-X		•	•		••
GMV-Q1580WM/E-X		•		•	••
GMV-Q1630WM/E-X		•			•••
GMV-Q1685WM/E-X			•		•••
GMV-Q1750WM/E-X				•	•••
GMV-Q1800WM/E-X					••••

Note*: The combination models of the outdoor units are not Eurovent certified.



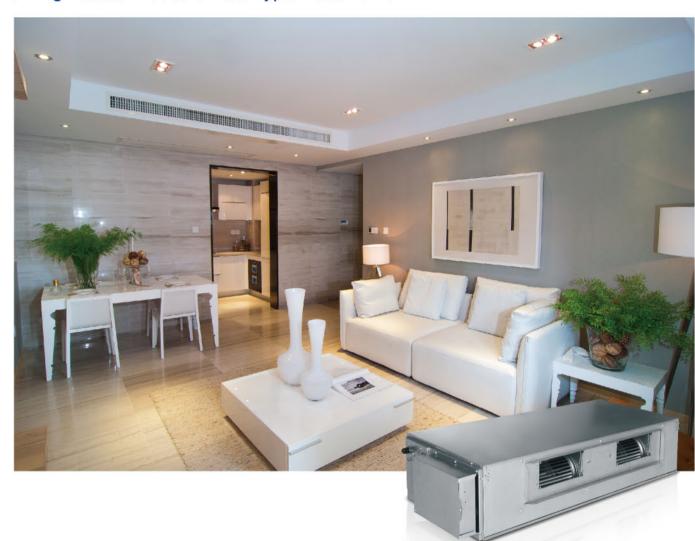
▼ Specification of ODU Combination of GMV5 HR*

	Power	Сар	acity	Powe	r Input				Connec	ting pipe	diameter	Min.	Max.	
Model	Supply	Cooling	Heating	Cooling	Heating	Dimension(W×D×H)	Airflow Volume	ESP	Liquid	HP Gas	LP Gas	circuit current	fuse current	Weight
		kW	kW	kW	kW	mm	m³/h	Pa	mm	mm	mm	А	А	kg
GMV-Q224WWE-X		22.4	25.0	5.48	5.26	930×765×1605	11400	82	Ф9.52	Ф15.9	Ф19.05	16.3	20	233
GMV-Q280WWE-X		28	31.5	8.15	7.30	930×765×1605	11400	82	Ф9.52	Ф19.05	Ф22.2	20.9	25	233
GMV-Q335WME-X		33.5	37.5	8.30	7.70	1340×765×1605	14000	82	Ф12.7	Ф19.05	Ф25.4	24.7	32	302
GMV-Q400WM/E-X		40	45.0	11.90	10.00	1340×765×1605	14000	82	Ф12.7	Ф22.2	Ф25.4	28.8	40	346
GMV-Q450WWE-X		45	50.0	14.80	12.70	1340×765×1605	14000	82	Ф12.7	Ф22.2	Ф28.6	33.2	40	346
GMV-Q504WWE-X		50.4	56.5	13.63	12.56	(930×765×1605) ×2	11400×2	82	Ф15.9	Ф25.4	Ф28.6	37.2	40	233+233
GMV-Q560WWE-X		56	63.0	16.30	14.60	(930×765×1605) ×2	11400×2	82	Ф15.9	Ф25.4	Ф28.6	41.8	50	233+233
GMV-Q615WWE-X		61.5	69.0	16.45	15.00	(930×765×1605) + (1340×765×1605)	11400+14000	82	Ф15.9	Ф25.4	Ф28.6	45.6	50	233+302
GMV-Q680WWE-X		68	76.5	20.05	17.30	(930×765×1605) + (1340×765×1605)	11400+14000	82	Ф15.9	Ф25.4	Ф28.6	49.7	63	233+346
GMV-Q730WWE-X		73	81.5	22.95	20.00	(930×765×1605) + (1340×765×1605)	11400+14000	82	Ф19.05	Ф28.6	Ф31.8	54.1	63	233+346
GMV-Q785WM/E-X		78.5	87.5	23.10	20.40	(1340×765×1605)×2	14000×2	82	Ф19.05	Ф28.6	Ф31.8	57.9	63	302+346
GMV-Q850WM/E-X		85	95.0	26.70	22.70	(1340×765×1605) ×2	14000×2	82	Ф19.05	Ф28.6	Ф31.8	62	63	346+346
GMV-Q900WM/E-X		90	100.0	29.60	25.40	(1340×765×1605) ×2	14000×2	82	Ф19.05	Ф28.6	Ф31.8	66.4	80	346+346
GMV-Q960WWE-X		96	108.0	28.20	24.60	(930×765×1605) ×2 +(1340×765×1605)	11400×2+14000	82	Ф19.05	Ф28.6	Ф31.8	70.6	80	233×2+346
GMV-Q1010WWE-X	380-	101	113.0	31.10	27.30	(930×765×1605) ×2 +(1340×765×1605)	11400×2+14000	82	Ф19.05	Ф31.8	Ф38.1	75	80	233×2+346
GMV-Q1065WWE-X	415V 3Ph	106.5	119.0	31.25	27.70	(930×765×1605) + (1340×765×1605)×2	11400+14000×2	82	Ф19.05	Ф31.8	Ф38.1	78.8	80	233+302+346
GMV-Q1130WWE-X	50/60Hz	113	126.5	34.85	30.00	(930×765×1605) + (1340×765×1605)×2	11400+14000×2	82	Ф19.05	Ф31.8	Ф38.1	82.9	100	233+346×2
GMV-Q1180WWE-X		118	131.5	37.75	32.70	(930×765×1605) + (1340×765×1605)×2	11400+14000×2	82	Ф19.05	Ф31.8	Ф38.1	87.3	100	233+346×2
GMV-Q1235WM/E-X		123.5	137.5	37.90	33.10	(1340×765×1605)×3	14000×3	82	Ф19.05	Ф31.8	Ф38.1	91.1	100	302+346×2
GMV-Q1300WM/E-X		130	145.0	41.50	35.40	(1340×765×1605)×3	14000×3	82	Ф19.05	Ф31.8	Ф38.1	95.2	100	346×3
GMV-Q1350WWE-X		135	150.0	44.40	38.10	(1340×765×1605)×3	14000×3	82	Ф19.05	Ф31.8	Ф38.1	99.6	125	346×3
GMV-Q1410WWE-X		141	158.0	43.00	37.30	(930×765×1605) ×2+ (1340×765×1605)×2	11400×2+14000×2	82	Ф19.05	Ф38.1	Ф41.3	103.8	125	233×2+346×2
GMV-Q1460WWE-X		146	163.0	45.90	40.00	(930×765×1605)×2+ (1340×765×1605)×2	11400×2+14000×2	82	Ф19.05	Ф38.1	Ф41.3	108.2	125	233×2+346×2
GMV-Q1515WWE-X		151.5	169.0	46.05	40.40	(930×765×1605) + (1340×765×1605)×3	11400+14000×3	82	Ф19.05	Ф38.1	Ф41.3	112	125	233+302+346×
GMV-Q1580WWE-X		158	176.5	49.65	42.70	(930×765×1605) + (1340×765×1605)×3	11400+14000×3	82	Ф19.05	Ф38.1	Ф41.3	116.1	125	233+346×3
GMV-Q1630WWE-X		163	181.5	52.55	45.40	(930×765×1605) + (1340×765×1605)×3	11400+14000×3	82	Ф19.05	Ф38,1	Ф41.3	120.5	125	233+346×3
GMV-Q1685WWE-X		168.5	187.5	52.70	45.80	(1340×765×1605)×4	14000×4	82	Ф19.05	Ф38.1	Ф41.3	124.3	160	302+346×3
GMV-Q1750WWE-X		175	195.0	56.30	48.10	(1340×765×1605)×4	14000×4	82	Ф19.05	Ф38.1	Ф41.3	128.4	160	346×4
GMV-Q1800WWE-X		180	200.0	59.20	50.80	(1340×765×1605)×4	14000×4	82	Ф19.05	Ф38.1	Ф41.3	132.8	160	346×4

Note*: The combination models of the outdoor units are not Eurovent certified.

Key Features of Indoor Units

▼ High Static Pressure Duct Type Indoor Unit



High static pressure design

Static pressure can be up to 150Pa, especially suitable for places in need of long distance airflow.

Easy maintenance

The system has maintenance port for easy maintenance.

Convenient installation

You can choose circular air duct or rectangular air duct according to actual needs. Or you can choose different ways of air return.

Protection function

Anti-freezing protection, fan motor overload protection, temperature sensor malfunction protection.



Low Static Pressure Duct Type Indoor Unit



• Low static pressure, low noise

Especially suitable for rooms of compact structure or small installation space. Also, it provides you with a comfortable and quiet living environment.

Intelligent drainage device

Water height difference up to 1.0m, which can effectively drain out condensing water and save space.

Note: Please specify if you need this function.

Convenient installation

Tab type plastic filter, detachable fan motor, independent water pump assembly and electric box assembly, all for convenient maintenance.

Protection function

Water overflow protection, anti-freezing protection, fan motor overload protection, temperature sensor malfunction protection.

▼ Slim Ducted Type Indoor Unit



Highly Efficient & Energy-saving

High-efficiency DC brushless motor is used. Its efficiency is improved by over 30% compared with common motor. Evaporator flow path adopts simulating optimized design via the refrigeration system simulation software, which has greatly increased the heat exchange capacity of evaporator.

Slim & Small

The unit is only 200mm's thick and 450mm's deep. Suspended ceiling doesn't have to be very high. It is suitable for ordinary rooms.

Wiring of Electric Control Box

Mounting board of electric control box elements are arranged at both sides of the mounting board of fan motor. There is a wire-cross notch on each side so that wiring at both sides of the mounting board of fan motor is convenient and efficient. Strong and weak current are also separated to ensure the effectiveness of weak current signal transmission.

Protection Functions

Anti-freezing protection, fan motor built-in overload protection, temperature sensor error protection

Ultra-quiet

High-efficiency centrifugal fan and ultralow noise volute are developed with ANSYS and Fluent. They have also gained national patents. Meanwhile, inlet mute valve is adopted so that noise of the complete unit is greatly reduced.

Fast & Strong

Intelligent temperature control technology is adopted. Cooling/ Heating function is fast and strong so that room temperature can quickly reach set temperature.

Flexible Installation

Based on the requirements of building and utilization, different ways of air return and different air supply static pressure can be selected.

CAN Bus Communication Technology

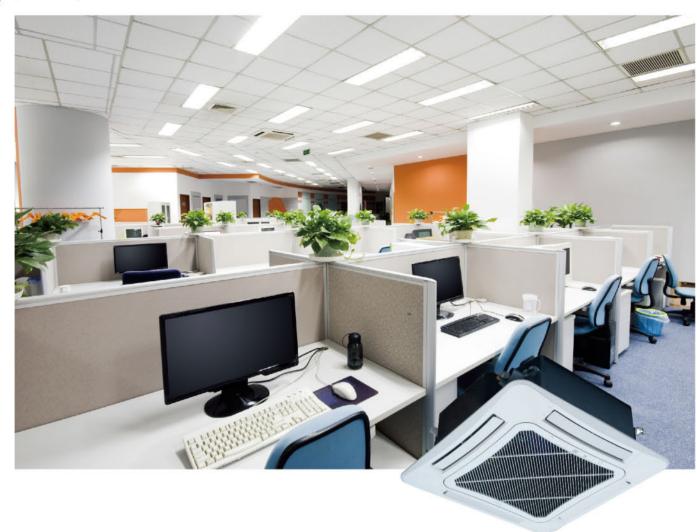
System response speed is faster and communication is more reliable. Auto addressing, non-polar communication, free wire matching

Convenient Operation & Maintenance

Electric control box is attached independently so that it can be detached as a whole, which is convenient for maintenance. The installation and maintenance of fan and motor is also convenient.



▼ 4-way Cassette Indoor Unit



Strong and balanced airflow

Unit features auto operation, 4-way airflow, 7 fan speeds and strong circulating airflow.

Ultra-low noise operation

DC inverter motor can realize stepless speed regulation to lower noise. Indoor unit can be set to work under auto quiet mode via wired controller.

• Intelligent drainage device

Water height difference up to 1.0m, which can effectively drain out condensing water and save space.

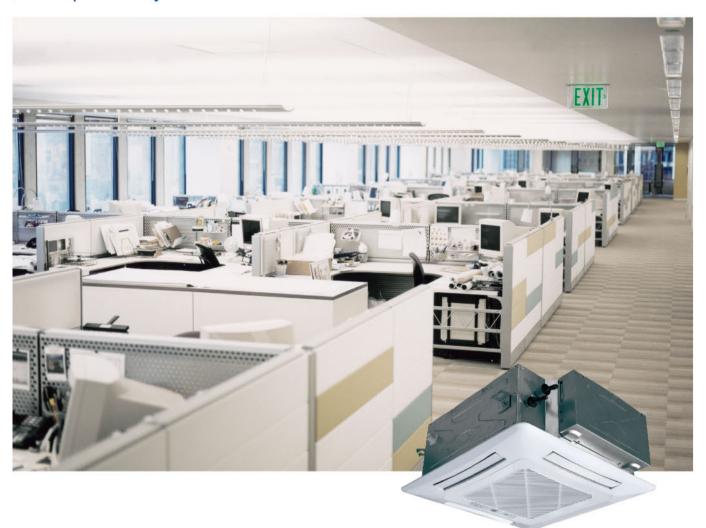
DC inverter motor

With good speed regulation performance, motor efficiency improved by 30% v.s. normal motor.

Protection function

Water overflow protection, anti-freezing protection, temperature sensor malfunction protection, fan motor overload protection.

Compact 4-way Cassette Indoor Unit



Compact Design for Easy Installation

Units maintain the uniform length and width with consistent ceiling opening and panel dimension, convenient for design and installation;

Ultra-low noise operation

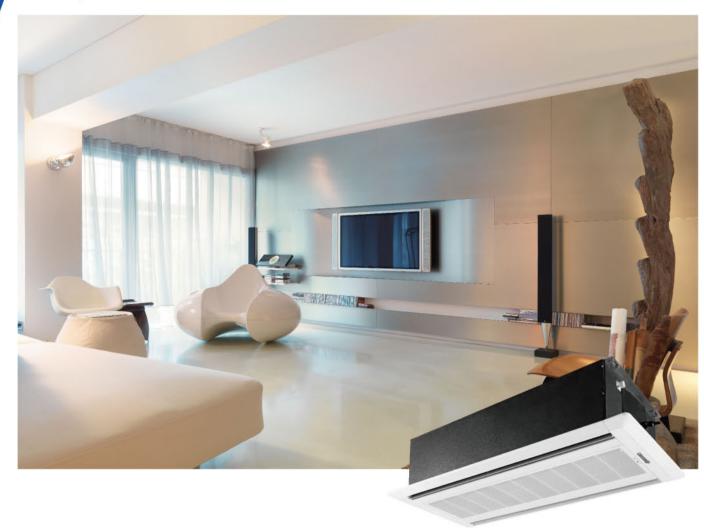
DC inverter motor can realize stepless speed regulation to lower noise. Indoor unit can be set to work under auto quiet mode via wired controller.

• Intelligent drainage device

Water height difference up to 1.0m, which can effectively drain out condensing water and save space.



2-way Cassette Indoor Unit



Beautiful Appearance

With beautiful and elegant front panel, it is congenial to the indoor surroundings.

• Intelligent drainage device

Water height difference up to 1.0m, which can effectively drain out condensing water and save space.

Two-way air flow design

Two-way air outlet, to stretch air outlet distance and solve air supply problem of elongated room

Multiple protections

Anti-freezing protection, temperature malfunction protection, fan motor overload and humidity sensor protection.

▼ 1-way Cassette Indoor Unit



Small installation space

With 185mm ultrathin design, unit can be installed in the ceiling of 19cm deep.

Detachable grille and long life filter

Grille is detachable for easy cleaning. With durable filter, cleaning cycle is 20 times longer.

• High drain pump lift

Drain pump lift reaches 1.0m, which can effectively drain out water.

Protection function

Water overflow protection, anti-freezing protection, fan motor overload protection, temperature sensor malfunction protection.

▼ Wall-mounted Indoor Unit



Comfortable and balanced airflow, up&down air outlet

Up air outlet: In cooling, cool air blows out horizontally and then gradually drops.

Down air swing: In heating, warm air blows downward and then gradually climbs up.

• Triple defenders for better purification

Mildew-proof filter, electrostatic fibre and anti-biotic fibre adopted to remove dust, smell, bacteria and mildew.

Cold air prevention design

During heating in winter, cold air prevention function is enabled so that air won't be blown out until it's warm.

Multiple protections

Anti-freezing protection, temperature sensor malfunction protection, fan motor overload protection.

Floor Ceiling Type Indoor Unit



Hoisted or seated, flexible installation

Unit can be hoisted or seated. When seated, suspended ceiling is not needed.

Beautiful appearance

With beautiful and elegant front panel, it is congenial to the indoor surroundings.

Protection function

Anti-freezing protection, temperature sensor malfunction protection, fan motor overload protection.

Horizontal and vertical air swing

Wider air swing range for your comfortable working and living environment.



Console Indoor Unit



Multiple fan speed

The fan can operate in multiple speed and satisfy different air flow volume requirements.

• Detachable grille and long life filter Grille is detachable for easy cleaning. With long life filter, cleaning cycle is 20 times longer.

Protection function

Anti-freezing protection, fan motor overload protection, temperature sensor malfunction protection.

Floor Standing Indoor Unit



Wide application

It can be widely adopted in hotels, restaurants, office, etc.

 Auto clean to ensure a healthy life
 After turning off the unit, the indoor fan will keep running in low speed for a moment to dry the inner components and parts, in order to prevent mildew and keep user healthy.





Wide capacity range

Wide capacity range from 2.2kW to 7.1kW.

DC motor

DC motor is adopted, which is more efficient.

All units are only 200mm's thick, saving space while offering highly efficient performance.

Easy installation

High ESP allows installation with air ducts.

The low altitude design allows installation under a window. It is applicable for hotels, schools and office buildings.

The three different height choices* of ex-factory supporter satisfy users' different installation needs.

Fresh Air Processing Indoor Unit

Airflow volume: 1200~4000m³/h Applicable range: Residential houses, villas, business buildings, hotels, apartments, etc.



One system, two functions

 Adopted with DC inverter technology, Fresh Air DC Inverter Multi VRF System features air conditioning function and fresh air function.



Enjoy fresh air

- Airflow volume: 1200~4000m³/h, cooling capacity: 14-45kW
 Applicable for all kinds of structure.
- Direct evaporative cooling adopted, air conditioning+fresh air can be realized accurately and precisely.
- DC inverter technology adopted, constant humidity is enabled with less power consumption.
- Integrated system control with Gree GMV Multi VRF System.





^{*}Note:This is an optional function. Please state specifically if you want to order.

Indoor Unit

Air conditioning and fresh air, two in one

Less investment

Fresh Air DC Inverter Multi VRF System can be combined with Gree GMV5E. For a same room, if the same amount of fresh air is to be taken, then the cost of GMV5E+Fresh air unit is equivalent to the cost of GMV+Air exchange fan.

Less operation cost

Unit can control refrigerant output according to actual needs to ensure constant airflow temperature. By adjusting power output, light-load but high power operation can be avoided. Thus, operation cost can be greatly reduced.

Less installation space

Save installation space for outdoor units. Especially suitable for places that have restricted installation space.







AHU KIT

Maximum capacity

Capacity of single unit reaches 20HP.

Convenient for installation

EXV is separated from control box, flexible for installation.

Adjustable capacity

Adjust capacity by DIP switch code, flexible and convenient.





Indoor Units Lineup

Specifications of Indoor Units

Type of indoor unit	Specification	20	22	25	28	32	36	40	45	50	56	63	71	72	80	90	100	112	125	140	160	224	280	450	560
High Static Pressure Duct Type Unit		•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•		
Low Static Pressure Duct Type Unit			•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•					
Slim Ducted Type Indoor Unit	1		•	•	•	•	•	•	•	•	•	•		•											
4-way Cassette Unit					•		•		•	•	•	•	•		•	•	•	•	•	•	•				
Compact 4-way Cassette Indoor Unit			•		•		•		•	•	•														
2-way Cassette Indoor Unit					•		•		•	•	•	•	•												
1-way Cassette Unit			•		•		•		•	•															
Wall-mounted Type Unit			•		•		•		•	•	•	•	•		•	•	•								
Floor Ceiling Type Indoor Unit	Auer.				•		•			•	•	•	•			•		•	•	•	•				
Console Indoor Unit	SHARRE		•		•		•		•	•															
Floor Standing Type Indoor Unit																	•			•					
Fresh Air Processing Indoor Unit																				•		•	•	•	
AHU KIT	6 once						•						•							•			•		•
Concealed Floor Standing Type			•		•		•		•		•	•	•												



▼ High Static Pressure Duct Type Indoor Unit

50/60 Hz

	Model		GMV-ND56PHS/A-T	GMV-ND63PHS/A-T	GMV-ND71PHS/A-T	GMV-ND80PHS/A-T	GMV-ND90PHS/A-
	Cooling	kW	5.6	6.3	7.1	8.0	9.0
Capacity	Heating	kW	6.3	7.1	8.0	9.0	10.0
Power supply		V/Ph/Hz		220~240/1/50 8	208~230/1/60		
Power consum	ption	W	120	120	130	130	200
A :	STRACE V	m³/h	1000/800/600	1000/800/600	1100/900/700	1100/900/700	1700/1450/1100
Airflow volume	H/IVI/L)	CFM	590/471/355	590/471/355	650/530/410	650/530/410	1000/853/650
	Cooling	A	0.6	0.6	0.6	0.6	1.0
Rated Current	Heating	A	0.6	0.6	0.6	0.6	1.0
	Water Heating	A	1	1	1	1	1
ESP		Pa		70/0-	~100		
Sound pressure	e level(H/M/L)	dB(A)	44/40/36	44/40/36	45/41/37	45/41/37	46/44/42
Connecting pipe	Liquid	mm	Ф9.52	Ф9.52	Ф9.52	Φ9.52	Ф9.52
diameter	Gas	mm	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф15.9
Orain pipe	External dia.	mm	Ф25	Ф25	Ф25	Ф25	Ф25
orairi pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension	Outline	mm		1271x5	58x268		1229x775x290
(WxDxH)	Package	mm		1348x5	97x283		1338x877x305
Net weight/Gro	ss weight	kg	35/40	35/40	35/40	35/40	47/54
oading	40' GP	set	192	192	192	192	128
Loading	40' HQ	set	216	216	216	216	128

	Model		GMV-ND100PHS/A-T	GMV-ND112PHS/A-T	GMV-ND125PHS/A-T	GMV-ND140PHS/A-T	GMV-ND160PHS/A-T	GMV-ND224PH/A-T	GMV-ND280PH/A	
0	Cooling	kW	10.0	11.2	12.5	14.0	16.00	22.4	28.0	
Capacity	Heating	kW	11.2	12.5	14.0	16.0	17.00	25.0	31.0	
Power supply		V/Ph/Hz		220~240/1/50	& 208~230/1/60		220	220-240/1/50&208-230/		
Power consum	otion	W	200	200	220	220	350	800 900		
Airflow volume(11084013	m³/h	1700/1450/1100	1700/1450/1100	2000/1550/1200	2000/1700/1400	2650/2100/1650	4000/3600/3200	4400/4000/3600	
Almow volume(H/IVI/L)	CFM	1000/853/650	1000/853/650	1175/912/706	1175/1000/824	1560/1236/971	2354/2119/1883	2589/2354/2119	
	Cooling	A	1.0	1.0	1.0	1.0	4.0	4.1	4.6	
Rated Current	Heating	A	1.0	1.0	1.0	1.0	4.0	4.1	4.6	
	Water Heating	A	1	1	1	1	1	1	1	
ESP		Pa		70/0~100			70/0~150	100/50~200	100/50~200	
Sound pressure	e level(H/M/L)	dB(A)	46//44/42	46//44/42	48/45/42	48/46/44	50/48/46	54/52/49	55/52/50	
Connecting pipe	Liquid	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	
diameter	Gas	mm	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф19.05	Ф19.05	Ф22.2	
Drain pipe	External dia.	mm	Ф25	Ф25	Ф25	Ф25	Ф25	Ф30	Ф30	
Drain pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5	1.5	1.5	
Dimension	Outline	mm		1229x7	75x290	la-	1340x750x350	1483×791×385	1686x870x450	
(WxDxH)	Package	mm		1338x8	377x305		1423x837x455	1578x883x472	1788x988x580	
Net weight/Gro	ss weight	kg	47/54	47/54	47/54	47/54	60/71	82/104	105/140	
Loading	40' GP	set	128	128	128	128	110	52	52	
Loading	40' HQ	set	128	128	128	128	110	65	52	

1	/lodel		GMV-NDR20 PH/B1-T	GMV-NDR22 PH/B1-T	GMV-NDR25 PH/B1-T	GMV-NDR28 PH/B1-T	GMV-NDR32 PH/B1-T	GMV-NDR36 PH/B1-T	GMV-NDR45 PH/B1-T
Canacita	Cooling	kW	2	2.2	2.5	2.8	3.2	3.6	4.5
Capacity	Heating	kW	2.2	2.5	2.8	3.2	3.6	4	5
Pow er supply		V/Ph/Hz		- 17	208	8-230/220-240V ~60/5	50		
Power consum	ption	W	380	380	380	380	380	380	380
	(1.10.40.)	m³/h	2625	2625	2625	2625	2625	2625	2625
Airflow volume	(HVIVVL)	CFM	1545	1545	1545	1545	1545	1545	1545
	Cooling	A	1.75	1.75	1.75	1.75	1.75	1.75	1.75
Rated Current	Heating	A	1.75	1.75	1.75	1.75	1.75	1.75	1.75
ESP		Pa	25/25~200	25/25~200	25/25~200	25/25~200	25/25~200	25/25~200	25/25~200
Sound pressure	e level(H/M/L)	dB(A)	46/42/38	46/42/38	46/42/38	46/42/38	46/42/38	46/42/38	46/42/38
Connecting pipe	Liquid	mm	Ф9.52						
diameter	Gas	mm	Ф15.9						
	External dia.	mm.	Ф25						
Drain pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Dimension	Outline	mm	1000×700×300	1000×700×300	1000×700×300	1000×700×300	1000×700×300	1000×700×300	1000×700×300
(WxDxH)	Package	mm	1205×813×360	1205×813×360	1205×813×360	1205×813×360	1205×813×360	1205×813×360	1205×813×360
Net w eight/Gro	ss w eight	kg	43/49	43/49	43/49	43/49	43/49	43/49	43/49
	40'GP	set	173	173	173	173	173	173	173
Loading quantit	40'HQ	set	190	190	190	190	190	190	190

Mo	del		GMV-NDR56PH/ B1-T	GMV-NDR63PH/ B1-T	GMV-NDR71PH/ B1-T	GMV-NDR80PH/ B1-T	GMV-NDR90PH/ B1-T	GMV-NDR100PH/ B1-T	GMV-NDR112PH/ B1-T
Capacity	Cooling	kW	5.6	6.3	7.1	8	9	10	11.2
Capacity	Heating	kW	6.3	7.1	8	9	10	11.2	12.5
Power supply	ower supply V/Ph/Hz 220~240/1/50 & 208~230/1/60		30/1/60						
Power consun	nption	W	525	650	760	866	866	864	866
A:	(1.1/5.60.)	m³/h	3650	3850	4160	4250	4250	4250	4250
Airflow volume	(H/IWL)	CFM	2148	2266	2448	2501	2501	2501	2501
Rated Current	Cooling	Α	2.9	3.6	4.2	4.7	4.7	4.8	4.8
Rated Current	Heating	Α	2.9	3.6	4.2	4.7	4.7	4.8	4.8
ESP		Pa	25/25~200	25/25~200	25/25~200	37/37~200	37/37~200	37/37~200	37/37~200
Sound pressur	re level(H/M/L)	dB(A)	52	52	52	52	52	52	52
Connecting pipe	Liquid	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52
diameter	Gas	mm	Ф19.05	Ф19.05	Ф19.05	Ф19.05	Ф19.05	Ф19.05	Ф19.05
Davis size	External dia.	mm	Ф30	Ф30	Ф30	Ф30	Ф30	Ф30	Ф30
Drain pipe	Thickness	mm	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Dimension	Outline	mm	385×1483×791	385×1483×791	385×1483×791	385×1483×791	385×1483×791	385×1483×791	385×1483×791
(WxDxH)	Package	mm	472×1578×883	472×1578×883	472×1578×883	472×1578×883	472×1578×883	472×1578×883	472×1578×883
Net weight/Gro	ss weight	kg	82/104	82/104	82/104	82/104	82/104	82/104	82/104
Loading	40'GP	set	52	52	52	52	52	52	52
quantity	40'HQ	set	65	65	65	65	65	65	65

	Model		GMV-ND22PHS/B-T	GMV-ND25PHS/B-T	GMV-ND28PHS/B-T	GMV-ND32PHS/B-T	GMV-ND36PHS/B-T	GMV-ND40PHS/B-T
	Cooling	kW	2.2	2.5	2.8	3.2	3.6	4.0
Capacity	Heating	kW	2.5	2.8	3.2	3.6	4.0	4.5
Power supply		V/Ph/Hz			220~240/1/50	§ 208~230/1/60		
Power consum	ower consumption		55	55	55	65	65	85
A Sufficient of Lance	11/64/15	m³/h	550/480/400	550/480/400	550/480/400	600/500/420	600/500/420	850/700/600
Airflow volume	H/IVI/L)	CFM	324/282/235	324/282/235	324/282/235	353/294/247	353/294/247	500/412/353
	Cooling	Α	0.5	0.5	0.5	0.5	0.5	0.5
Rated Current	Heating	Α	0.5	0.5	0.5	0.5	0.5	0.5
	Water Heating	A	/	1	1	1	1	7.
ESP		Pa	60/0~150	60/0~150	60/0~150	60/0~150	60/0~150	60/0~150
Sound pressure	e level(H/M/L)	dB(A)	33/30/28	33/30/28	33/30/28	33/31/29	33/31/29	36/34/32
Connecting pipe	Liquid	mm	Ф6.35	Φ6.35	Ф6.35	Ф6.35	Ф6.35	Ф6.35
diameter	Gas	mm	Ф9.52	Ф9.52	Ф9.52	Ф12.7	Ф12.7	Ф12.7
Drain pipe	External dia.	mm	Ф25	Ф25	Ф25	Ф25	Ф25	Ф25
Drain pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
Dimension	Outline	mm	700×700×300	700×700×300	700×700×300	700×700×300	700×700×300	700×700×300
(WxDxH)	Package	mm	897×808×362	897×808×362	897×808×362	897×808×362	897×808×362	897×808×362
Net weight/Gro	ss weight	kg	32/38	32/38	32/38	32/38	32/38	34/40
Loading	40' GP	set	168	168	168	168	168	168
Loading	40' HQ	set	196	196	196	196	196	196

	Model		GMV-ND45PHS/B-T	GMV-ND50PHS/B-T	GMV-ND56PHS/B-T	GMV-ND63PHS/B-T	GMV-ND71PHS/B-T	GMV-ND80PHS/B-T
O it -	Cooling	kW	4.5	5.0	5.6	6.3	7.0	8.0
Capacity	Heating	kW	5.0	5.6	6.3	7.1	8.0	9.0
ower supply		V/Ph/Hz			220~240/1/50 8	§ 208~230/1/60		
ower consum	ption	W	85	85	90	90	100	100
sirflow volume(H/M/L)		m³/h	850/700/600	850/700/600	1000/800/700	1000/800/700	1250/1050/950	1250/1050/950
		CFM	500/412/353	500/412/353	589/471/412	589/471/412	736/618/559	736/618/559
	Cooling	Α	0.5	0.5	0.8	0.8	0.8	0.8
lated Current	Heating	A	0.5	0.5	0.8	0.8	0.8	0.8
	Water Heating A		I	1	1	1	I	1
SP		Pa	60/0~150	60/0~150	90/0~200	90/0~200	90/0~200	90/0~200
ound pressure	e level(H/M/L)	dB(A)	36/34/32	36/34/32	37/35/33	37/35/33	38/36/34	38/36/34
connecting pipe	Liquid	mm	Ф6.35	Ф6.35	Ф9.52	Ф9.52	Ф9.52	Ф9.52
iameter	Gas	mm	Ф12.7	Ф12.7	Ф15.9	Ф15.9	Ф15.9	Ф15.9
rain pipe	External dia.	mm	Ф25	Ф25	Ф25	Ф25	Ф25	Ф25
raii i pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
Dimension	Outline	mm	700×700×300	700×700×300	1000×700×300	1000×700×300	1000×700×300	1000×700×300
NxDxH)	Package	mm	897×808×362	897×808×362	1205×813×360	1205×813×360	1205×813×360	1205×813×360
let weight/Gro	ss weight	kg	34/40	34/40	43/49	43/49	43/49	43/49
oading	40' GP	set	168	168	138	138	138	138
oading	40' HQ	set	196	196	161	161	161	161



	Model		GMV-ND90PHS/B-T	GMV-ND100PHS/B-T	GMV-ND112PHS/B-T	GMV-ND125PHS/B-T	GMV-ND140PHS/B-T	GMV-ND160PHS/B-T			
Conneity	Cooling	kW	9.0	10.0	11.2	12.5	14.0	16.0			
Capacity	Heating	kW	10.0	11.2	12.5	14.0	16.0	18.0			
Power supply		V/Ph/Hz		220~240/1/50 & 208~230/1/60							
Power consump	otion	W	140	140	160	160	220	230			
A: 0 1	11014013	m ³ /h	1800/1450/1250	1800/1450/1250	2000/1600/1400	2000/1600/1400	2350/1900/1650	2500/2000/1750			
Airflow volume(H/IVI/L)	CFM	1059/853/736	1059/853/736	1177/942/824	1177/942/824	1383/1118/971	1471/1177/1030			
	Cooling	Α	1.1	1.1	1.1	1.1	2.0	2.0			
Rated Current	Heating	Α	1.1	1.1	1.1	1.1	2.0	2.0			
	Water Heating	Α	1	1	1	1	1	1			
ESP		Pa	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200			
Sound pressure	e level(H/M/L)	dB(A)	40/37/35	40/37/35	40/38/36	40/38/36	42/39/37	44/41/38			
Connecting pipe	Liquid	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52			
diameter	Gas	mm	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф19.05			
Drain pipe	External dia.	mm	Ф25	Ф25	Ф25	Ф25	Ф25	Ф25			
Drain pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5			
Dimension	Outline	mm	1400×700×300	1400×700×300	1400×700×300	1400×700×300	1400×700×300	1400×700×300			
(WxDxH)	Package	mm	1601×813×360	1601×813×360	1601×813×360	1601×813×360	1678×808×365	1678×808×365			
Net weight/Gros	ss weight	kg	57/64	57/64	57/64	57/64	58/67	58/67			
Loading	40' GP	set	84	84	84	84	84	84			
Luaumy	40' HQ	set	98	98	98	98	98	98			

✓ Low Static Pressure Duct Type Indoor Unit 50/60 Hz

	Model		GMV-ND22PLS/A-T	GMV-ND25PLS/A-T	GMV-ND28PLS/A-T	GMV-ND32PLS/A-T	GMV-ND36PLS/A-T
Conneity	Cooling	kW	2.2	2.5	2.8	3.2	3.6
Capacity	Heating	kW	2.5	2.8	3.2	3.6	4.0
Power supply		V/Ph/Hz		220~240/1/50 & 2)	
Power consum	ption	W	35	35	35	43	43
A 1-41	T 1 (B A (I)	m³/h	450/350/250	450/350/250	450/350/250	550/450/350	550/450/350
Airflow volume(H/M/L)		CFM	265/206/147	265/206/147	265/206/147	325/265/206	325/265/206
	Cooling	Α	0.2	0.2	0.2	0.2	0.2
Rated Current	Heating	Α	0.2	0.2	0.2	0.2	0.2
Water Heatin		Α	1	1	1	1	1
ESP		Pa			15/0~30		
Sound pressure	e level(H/M/L)	dB(A)	31/28/25	31/28/25	31/28/25	32/30/27	32/30/27
Connecting pipe	Liquid	mm	Ф6.35	Ф6.35	Ф6.35	Ф6.35	Ф6.35
diameter	Gas	mm	Ф9.52	Ф9.52	Ф9.52	Ф12.7	Ф12.7
Drain pipe	External dia.	mm	25	25	25	25	25
orain pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension	Outline	mm			700 x 615 x 200		
WxDxH)	Package	mm			893x743x305		
Net weight/Gro	ss weight	kg	22/27	22/27	22/27	22/28	22/28
oading	40' GP	set	192	192	192	192	192
Loading	40' HQ	set	192	192	192	192	192

	Model		GMV-ND40PLS/A-T	GMV-ND45PLS/A-T	GMV-ND50PLS/A-T	GMV-ND56PLS/A-T	GMV-ND63PLS/A-1	
0	Cooling	kW	4.0	4.5	5.0	5.6	6.3	
Capacity	Heating	kW	4.5	5.0	5.6	6.3	7.1	
Power supply		V/Ph/Hz	220~240/1/50 & 208~230/1/		0			
Power consum	ption	W	52	52	52	99	99	
Airflow volume(H/M/L)		m³/h	700/600/450	700/600/450	700/600/450	1000/800/600	1000/800/600	
Alfilow volume	(H/IVI/L)	CFM	410/355/265	410/355/265	410/355/265	590/471/355	590/471/355	
	Cooling	A	0.3	0.3	0.3	0.5	0.5	
Rated Current	Heating	A	0.3	0.3	0.3	0.5	0.5	
	Water Heating	A	1	1	1	1	1	
ESP		Pa			15/0~30			
Sound pressur	e level(H/M/L)	dB(A)	33/31/28	33/31/28	33/31/28	35/33/30	35/33/30	
Connecting pip	Liquid	mm	Ф6.35	Ф6.35	Ф6.35	Ф9.52	Ф9.52	
diameter	Gas	mm	Ф12.7	Ф12.7	Ф12.7	Ф15.9	Ф15.9	
Drain pipe	External dia.	mm	25	25	25	25	25	
Dialit pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5	
Dimension	Outline	mm		900 x 615 x 200		1100 x	615 x 200	
(WxDxH) Package		mm	1123x743x305			1323x743x305		
Net weight/Gro	ss weight	kg	27/33	27/33	27/33	31/38	31/38	
Loading	40' GP	set	192	192	192	162	162	
Loading	40' HQ	set	192	192	192	162	162	

	Model		GMV-ND71PLS/A-T	GMV-ND80PLS/A-T	GMV-ND90PLS/A-T	GMV-ND100PLS/A-T	GMV-ND112PLS/A-1	GMV-ND125PLS/A-T	GMV-ND140PLS/A
	Cooling	kW	7.1	8.0	9.0	10.0	11.2	12.5	14.0
Capacity	Heating	kW	8.0	9.0	10.0	11.2	12.5	14.0	16.0
Power supply		V/Ph/Hz			220-	-240/1/50 & 208~230/	1/60		
Power consum	ption	W	105	140	209	209	209	230	230
Airflow volume(H/M/L)		m ³ /h	1000/800/600	1100/1000/800	1500/1250/950	1500/1350/1000	1700/1500/1100	2000/1500/1150	2000/1500/1150
Airilow volume	(H/IVI/L)	CFM	590/471/355	650/590/471	885/736/599	885/795/590	1000/885/650	1175/885/677	1175/885/677
	Cooling	Α	0.5	0.7	1.0	1.0	1.0	1.1	1.1
Rated Current	Heating	Α	0.5	0.7	1.0	1.0	1.0	1.1	1.1
	Water Heating	A	1	1	1	1	1	/	1
ESP		Pa				30/0~50			
Sound pressur	e level(H/M/L)	dB(A)	35/33/30	36/34/31	40/36/32	40/36/32	40/36/32	42/40/37	42/40/37
Connecting pipe	e Liquid	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52
diameter	Gas	mm	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф15.9
Drain pipe	External dia.	mm	25	25	25	25	25	25	25
Drain pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Dimension	Outline	mm	1200 x 6	55 x 260			1340 x 6	55 x 260	
(WxDxH)	Package	mm	1448x8	58x315			1591x8	61x330	
Net weight/Gro	oss weight	kg	40/47	40/47	46/55	46/55	46/55	47/56	47/56
Loading	40' GP	set	96	96	78	78	78	78	78
Locating	40' HQ	set	96	96	78	78	78	78	78

Slim Ducted Type Indoor Unit 50/60 Hz

	Model		GMV-ND22PL/B-T*	GMV-ND25PL/B-T*	GMV-ND28PL/B-T*	GMV-ND32PL/B-T*	GMV-ND36PL/B-T*
Conneile	Cooling	kW	2.2	2.5	2.8	3.2	3.6
Capacity	Heating	kW	2.5	2.8	3.2	3.6	4.0
Power supply		V/Ph/Hz			220~240/1/50 & 208~230/1/60)	
Power consum	ption	W	25	25	25	30	30
A inflamma in the same	(1.1/8.4/1.5	m³/h	450/400/320	450/400/320	450/400/320	550/450/340	550/450/340
Airflow volume	(H/W/L)	CFM	265/235/188	265/235/188	265/235/188	324/265/200	324/265/200
	Cooling	A	0.2	0.2	0.2	0.3	0.3
Rated Current	Heating	A	0.2	0.2	0.2	0.3	0.3
	Water Heating	A	1	/	1	1	1
ESP		Pa			0/15		
Sound pressur	e level(H/M/L)	dB(A)	30/28/22	30/28/22	30/28/22	31/29/25	31/29/25
Connecting pipe	e Liquid	mm	Ф6.35	Ф6.35	Ф6.35	Ф6.35	Ф6.35
diameter	Gas	mm	Ф9.52	Ф9.52	Ф9.52	Ф12.7	Ф12.7
Drain pipe	External dia.	mm	25	25	25	25	25
Dialit pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension	Outline	mm			710x450x200		
(WxDxH)	Package	mm			1003x551x285		
Net weight/Gro	ss weight	kg	18.5/22	18.5/22	18.5/22	19.5/23	19.5/23
Loading	40' GP	set	352	352	352	352	352
Loading	40' HQ	set	352	352	352	352	352

	Model		GMV-ND40PL/B-T*	GMV-ND45PL/B-T*	GMV-ND50PL/B-T*	GMV-ND56PL/B-T*	GMV-ND63PL/B-T*	GMV-ND72PL/B-T	
0	Cooling	kW	4.0	4.5	5.0	5.6	6.3	7.2	
Capacity	Heating	kW	4.5	5.0	5.6	6.3	7.0	8.0	
Power supply		V/Ph/Hz							
Power consum	ption	W	35	35	35	45	45	50	
Nieflass salssaa	TOMOUS	m³/h	750/660/540	750/660/540	750/660/540	850/700/610	850/700/610	1100/800/640	
Airflow volume(H/M/L)		CFM	441/388/318	441/388/318	441/388/318	500/412/359	500/412/359	647/471/377	
	Cooling	A	0.3	0.3	0.3	0.3	0.3	0.5	
Rated Current	Heating	A	0.3	0.3	0.3	0.3	0.3	0.5	
	Water Heating	A	/	1	1	1	1	1	
ESP		Pa			0/	15			
Sound pressure	e level(H/M/L)	dB(A)	33/30/27	33/30/27	33/30/27	35/33/29	35/33/29	37/34/30	
Connecting pipe	Liquid	mm	Ф6.35	Ф6.35	Ф6.35	Ф9.52	Ф9.52	Ф9.52	
diameter	Gas	mm	Ф12.7	Ф12.7	Ф12.7	Ф15.9	Ф15.9	Ф15.9	
Drain pipe	External dia.	mm	25	25	25	25	25	25	
orairi pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	
Dimension	Outline	mm			1010x450x200			1310x450x200	
(WxDxH) Package		mm		1303x551x285				1603x551x285	
Net weight/Gro	ss weight	kg	23.5/28	23.5/28	23.5/28	24.5/29	24.5/29	30.5/36	
oading	40' GP	set	288	288	288	288	288	224	
Luading	40' HQ	set	288	288	288	288	288	224	



Note:
* This series is without water pump.

Indoor Units

4-way Cassette Indoor Unit

	Me	odel		GMV-ND28T/A-T	GMV-ND36T/A-T	GMV-ND45T/A-T	GMV-ND50T/A-T	GMV-ND56T/A-T	GMV-ND63T/A-T	GMV-ND71T/A-T		
Oit-		Cooling	kW	2.8	3.6	4.5	5.0	5.6	6.3	7.1		
Capacity		Heating	kW	3.2	4.0	5.0	5.6	6.3	7.1	8.0		
Power supp	oly		V/Ph/Hz		220~240/1/50 & 208~230/1/60							
ower cons	sumption		W	48	48	48	50	59	59	68		
			m³/h	750/650/550	750/650/550	750/650/550	830/650/550	1000/900/750	1000/900/750	1180/950/850		
Airflow volume(H/M/L)			CFM	440/383/325	440/383/325	440/383/325	490/383/325	590/530/440	590/530/440	695/559/550		
		Cooling	Α	0.2	0.2	0.2	0.2	0.3	0.3	0.3		
Rated Curre	ent	Heating	A	0.2	0.2	0.2	0.2	0.3	0.3	0.3		
		Water Heating	A	1	1	1	1	1	1	1		
Sound pres	sure level(H/M	/L)	dB(A)	36/34/31	36/34/31	36/34/31	36/34/31	37/35/32	37/35/32	38/36/33		
Connecting	pipe	Liquid	mm	Ф6.35	Ф6.35	Ф6.35	Ф6.35	Ф9.52	Ф9.52	Ф9.52		
diameter		Gas	mm	Ф9.52	Ф12.7	Ф12.7	Ф12.7	Ф15.9	Ф15.9	Ф15.9		
Drain pipe		External dia.	mm	25	25	25	25	25	25	25		
Drain pipe		Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
	Dimension	Outline	mm	840x840x190	840x840x190	840x840x190	840x840x190	840x840x240	840x840x240	840x840x240		
Main Body	(WxDxH)	Package	mm	963x963x272	963x963x272	963x963x272	963x963x272	963x963x325	963x963x325	963x963x325		
Net weight/		Gross weight	kg	22.5/29.5	22.5/29.5	22.5/29.5	22.5/29.5	26.5/34.5	26.5/34.5	26.5/34.5		
Panel (WxDxH	Dimension	Outline	mm	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65		
	(WxDxH)	Package	mm	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133		
	Net weight/Gross weight		kg	7/11	7/11	7/11	7/11	7/11	7/11	7/11		
oading qu	antity	40'GP	set	167	167	167	167	140	140	140		
Louising qui	and the same of th	40'HO	cet	171	171	171	171	156	156	156		

	Mo	odel		GMV-ND80T/A-T	GMV-ND90T/A-T	GMV-ND100T/A-T	GMV-ND112T/A-T	GMV-ND125T/A-T	GMV-ND140T/A-T	GMV-ND160T/A-7		
	1500	Cooling	kW	8.0	9.0	10.0	11.2	12.5	14.0	16.0		
Capacity		Heating	kW	9.0	10.0	11.2	12.5	14.0	16.0	17.5		
Power supp	oly		V/Ph/Hz		220~240/1/50 & 208~230/1/60							
Power cons	sumption		W	68	98	98	110	110	110	130		
A : - 0 1 -	0.10.40.3		m ³ /h	1180/950/850	1500/1350/1100	1500/1350/1100	1700/1400/1100	1860/1500/1150	1860/1500/1150	2100/1700/1400		
AIITIOW VOIU	ime(H/M/L)		CFM	695/559/550	880/795/650	880/795/650	1000/824/650	1095/880/677	1095/880/677	1235/1000/824		
Coo		Cooling	A	0.3	0.4	0.4	0.5	0.5	0.5	0.6		
Rated Curre	ent	Heating	A	0.3	0.4	0.4	0.5	0.5	0.5	0.6		
		Water Heating	Α	1	1	1	1	1	1	1		
Sound pres	sure level(H/M	/L)	dB(A)	38/36/33	40/37/35	40/37/35	41/38/36	43/41/38	43/41/38	47/44/42		
Connecting	pipe	Liquid	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52		
diameter		Gas	mm	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф19.05		
Drain pipe		External dia.	mm	25	25	25	25	25	25	25		
Drain pipe		Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
	Dimension	Outline	mm	840x840x240	840x840x320	840x840x320	840x840x320	840x840x320	840x840x320	910×910×293		
Main Body	(WxDxH)	Package	mm	963x963x325	963x963x409	963x963x409	963x963x409	963x963x409	963x963x409	1023×993×375		
	Net weight/G	ross weight	kg	26.5/34.5	32.5/40.0	32.5/40.0	32.5/40.0	32.5/40.0	32.5/40.0	46.5/56.5		
	Dimension	Outline	mm	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	1040x1040x65		
Panel	(WxDxH)	Package	mm	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1137x1137x140		
Net weight/G		iross weight	kg	7/11	7/11	7/11	7/11	7/11	7/11	7.5/11.5		
Loading gu	antity	40'GP	set	140	104	104	104	104	104	144		
Loading qu	aritity	40'HQ	set	156	119	119	119	119	119	144		

M	Model		GMV-ND28T /A1-T	GMV-ND36T /A1-T	GMV-ND40T /A1-T	GMV-ND45T /A1-T	GMV-ND50T /A1-T	GMV-ND56T /A1-T	GMV-ND63T /A1-T	GMV-ND71T /A1-T	GMV-ND80T /A1-T	
Capacity	Cooling	kW	2.8	3.6	4	4.5	5	5.6	6.3	7.1	8	
Capacity	Heating	kW	3.2	4	4.5	5	5.6	6.3	7.1	8	9	
Power supply		V/Ph/Hz 208-230/220-240V~60/50										
Power consum	ption	W	130	130	130	150	150	250	250	250	250	
Airflow volume	ZERMONES	m³/h	1650	1650	1650	2000	2000	2880	2880	2880	2880	
Almow volume	(H/W/L)	CFM	971	971	971	1177	1177	1694	1694	1694	1694	
	Cooling	A	0.59	0.59	0.59	0.68	0.68	1.3	1.3	1.3	1.3	
Rated Current	Heating	A	0.59	0.59	0.59	0.68	0.68	1.3	1.3	1.3	1.3	
Sound pressur	re level(H/M/L)	dB(A)	43/41/38	43/41/38	43/41/38	47/44/42	47/44/42	49/46/44	49/46/44	49/46/44	49/46/44	
Connecting pip	eLiquid	mm	Ф9.52	Φ9.52								
diameter	Gas	mm	Ф15.9	Ф19.05								
Drain pipe	External dia.	mm	Ф25									
Diaili pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Main body	Outline	mm	840×840×240	840×840×240	840×840×240	840x840x320	840x840x320	910×910×293	910×910×293	910×910×293	910×910×293	
Dimension	Package	mm	963×963×325	963×963×325	963×963×325	963x963x409	963x963x409	1023×993×375	1023×993×375	1023×993×375	1023×993×375	
(WxDxH)	Net weight/ Gross weight	kg	26.5/34.5	26.5/34.5	26.5/34.5	32.5/40.0	32.5/40.0	46.5/56.5	46.5/56.5	46.5/56.5	46.5/56.5	
Panel	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65	950×950×65	1040×1040×65	1040×1040×65	1040×1040×65	1040×1040×65	
	Package	mm	1033×1038×133	1033×1038×133	1033×1038×133	1033×1038×133	1033×1038×133	1137×1137×140	1137×1137×140	1137×1137×140	1137×1137×140	
Dimension (WxDxH)	Net weight/ Gross weight	kg	7/11	7/11	7/11	7/11	7/11	8/11.5	8/11.5	8/11.5	8/11.5	
Loading	40'GP	set	140	140	140	104	104	144	144	144	144	
quantity	40'HQ	set	156	156	156	119	119	144	144	144	144	

Compact 4-way Cassette Indoor Unit 50/60 Hz

	M	odel		GMV-ND22T/B-T	GMV-ND28T/B-T	GMV-ND36T/B-T	GMV-ND45T/B-T	GMV-ND50T/B-T	GMV-ND56T/B-T
O	7002	Cooling	kW	2.2	2.8	3.6	4.5	5	5.6
Capacity		Heating	kW	2.5	3.2	4	5	5.6	6.3
Power supp	oly		V/Ph/Hz			220~240/1/50 8	§ 208~230/1/60		
Power cons	sumption		W	35	35	35	45	45	45
A : ()			m³/h	600/500/400	600/500/400	600/500/400	700/600/500	700/600/500	700/600/500
Airflow volu	ime(H/IVI/L)		CFM	355/295/235	355/295/235	355/295/235	410/355/295	410/355/295	410/355/295
		Cooling	A	0.4	0.4	0.4	0.5	0.5	0.5
Rated Curre	ent	Heating	A	0.4	0.4	0.4	0.5	0.5	0.5
		Water Heating	Α	1	1	T.	1	1	1
Sound pres	sure level(H/M	/L)	dB(A)	46/39/35	46/39/35	46/39/35	47/43/38	47/43/38	47/43/38
Connecting	pipe	Liquid	mm	Ф6.35	Ф6.35	Ф6.35	Ф6.35	Ф6.35	Ф9.52
diameter		Gas	mm	Ф9.52	Ф9.52	Ф12.7	Ф12.7	Ф12.7	Ф15.9
Designation		External dia.	mm	25	25	25	25	25	25
Drain pipe		Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
	Dimension	Outline	mm	596x596x240	596x596x240	596x596x240	596x596x240	596x596x240	596x596x240
Main Body	(WxDxH)	Package	mm	778x738x300	778x738x300	778x738x300	778x738x300	778x738x300	778x738x300
	Net weight/0	Bross weight	kg	20.5/25.5	20.5/25.5	20.5/25.5	20.5/25.5	20.5/25.5	20.5/25.5
	Dimension	Outline	mm	650x650x50	650x650x50	650x650x50	650x650x50	650x650x50	650x650x50
Panel	(WxDxH)	Package	mm	763x763x105	763x763x105	763x763x105	763x763x105	763x763x105	763x763x105
	Net weight/0	Gross weight	kg	3.5/5.0	3.5/5.0	3.5/5.0	3.5/5.0	3.5/5.0	3.5/5.0
Loading qua	antity	40'GP	set	267	267	267	267	267	267
Louding qui	an may	40'HQ	set	288	288	288	288	288	288

2-way Cassette Indoor Unit 50/60 Hz

	N	lodel		GMV-ND28TS/A-T	GMV-ND36TS/A-T	GMV-ND45TS/A-T	GMV-ND50TS/A-	T GMV-ND56TS/A-T	GMV-ND63TS/A-T	GMV-ND71TS/A-1
		Cooling	kW	2.8	3.6	4.5	5.0	5.6	6.3	7.1
Capacity		Heating	kW	3.2	4.0	5.0	5.6	6.3	7.1	8.0
Power supp	oly		V/Ph/Hz			220~2	40/1/50 & 208~230	/1/60		
ower cons	sumption		W	55.0	55.0	55.0	55.0	103.0	103.0	103.0
۸:دا ا	me(H/M/L)		m³/h	830/660/580	830/660/580	830/660/580	830/660/580	1100/900/750	1100/900/750	1100/900/750
Alfilow volu	me(H/IVI/L)		CFM	490/388/341	490/388/341	490/388/341	490/388/341	650/530/441	650/530/441	650/530/441
		Cooling	A	0.3	0.3	0.3	0.3	0.7	0.7	0.7
Rated Curre	nt	Heating	Α	0.3	0.3	0.3	0.3	0.7	0.7	0.7
	Water Heating A / / / / / /		1	1						
ound pressure level(H/M/L) dB(A) 35/32/29 35/32/29 35/32/29		39/36/33	39/36/33	39/36/33						
Connecting	pipe	Liquid	mm	Ф6.35	Ф6.35	Ф6.35	Ф6.35	Ф9.52	Ф9.52	Ф9.52
diameter		Gas	mm	Ф9.52	Ф12.7	Ф12.7	Ф12.7	Ф15.9	Ф15.9	Ф15.9
Orain pipe		External dia.	mm	25	25	25	25	25	25	25
Dialii pipe		Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Dimension	Outline	mm	1200x520x315	1200x520x315	1200x520x315	1200x520x315	1200x520x315	1200x520x315	1200x520x315
Main Body	(WxDxH)	Package	mm	1520x655x415	1520x655x415	1520x655x415	1520x655x415	1520x655x415	1520x655x415	1520x655x415
	Net weight/	Gross weight	kg	43/54	43/54	43/54	43/54	46/56	46/56	46/56
	Dimension	Outline	mm	1443x630x33	1443x630x33	1443x630x33	1443x630x33	1443x630x33	1443x630x33	1443x630x33
Panel	(WxDxH)	Package	mm	1575x765x105	1575x765x105	1575x765x105	1575x765x105	1575x765x105	1575x765x105	1575x765x105
	Net weight/	Gross weight	kg	7.0/11.0	7.0/11.0	7.0/11.0	7.0/11.0	7.0/11.0	7.0/11.0	7.0/11.0
oading qua	antity	40'GP	set	101	101	101	101	101	101	101
Loading qui	army	40'HQ	set	115	115	115	115	115	115	115

1-way Cassette Indoor Unit

	Me	odel		GMV-ND22TD/A-T	GMV-ND28TD/A-T	GMV-ND36TD/A-T	GMV-ND45TD/A-T	GMV-ND50TD/A-
Capacity Power supply Power consumption Airflow volume(H/M/L) Rated Current Sound pressure level(Hi Connecting pipe diameter Drain pipe Main Body Main Body Met weigh Dimensio		Cooling	kW	2.2	2.8	3.6	4.5	5.0
Capacity		Heating	kW	2.5	3.2	4.0	5.0	5.6
Power supp	oly		V/Ph/Hz		2	20~240/1/50 & 208~230/1/6	0	
Power cons	sumption		W	30	30	30	45	45
A :	(1.18A/II.)		m³/h	600/500/450	600/500/450	600/500/450	830/600/500	830/600/500
Almow volu	me(H/IVI/L)		CFM	355/295/265	355/295/265	355/295/265	490/355/295	490/355/295
		Cooling	A	0.2	0.2	0.2	0.3	0.3
Rated Curre	ent	Heating	A	0.2	0.2	0.2	0.3	0.3
		Water Heating	A	/	1	1	1	1
Sound pres	sure level(H/M/	L)	dB(A)	36/32/28	36/32/28	36/32/28	40/35/30	40/35/30
Connecting p	pipe	Liquid	mm	Ф6.35	Φ6.35	Ф6.35	Ф6.35	Ф6.35
diameter		Gas	mm	Ф9.52	Φ9.52	Ф12.7	Ф12.7	Ф12.7
Ornin nino		External dia.	mm	25	25	25	25	25
Drain pipe		Thickness	mm	2.5	2.5	2.5	2.5	2.5
	Dimension	Outline	mm	987x385x178	987x385x178	987x385x178	987x385x178	987x385x178
Main Body	(WxDxH)	Package	mm	1307x501x310	1307x501x310	1307x501x310	1307x501x310	1307x501x310
	Net weight/G	ross weight	kg	20.0/27.0	20.0/27.0	20.0/27.0	21.0/28.5	21.0/28.5
	Dimension	Outline	mm	1200x460x55	1200x460x55	1200x460x55	1200x460x55	1200x460x55
Panel	(WxDxH)	Package	mm	1265x536x118	1265x536x118	1265x536x118	1265x536x118	1265x536x118
	Net weight/G	iross weight	kg	4.2/6.0	4.2/6.0	4.2/6.0	4.2/6.0	4.2/6.0
oading qua	antity	40'GP	set	138	138	138	138	138
Louding que	urrury	40'HQ	set	138	138	138	138	138



Wall-mounted Type Indoor Unit 50 Hz

	Model		GMV- N22G/A3A-K *	GMV- N28G/A3A-K *	GMV- N36G/A3A-K *	GMV- N45G/A3A-K *	GMV- N50G/A3A-K*	GMV- N56G/A3A-K *	GMV- N63G/A3A-K*	GMV- N71G/A3A-K *
Cit.	Cooling	kW	2.2	2.8	3.6	4.5	5.0	5.6	6.3	7.1
Capacity	Heating	kW	2.5	3.2	4.0	5.0	5.8	6.3	7.0	7.5
Power supply		V/Ph/Hz				220~2	40/1/50			
Power consumption		W	50	50	60	60	60	70	70	70
Airflow volume(H/M/L)		m³/h	500/420/350	500/420/350	630/550/480	630/550/480	630/550/480	750/600/500	750/600/500	750/600/500
Almow volume(H/IVI/L)		CFM	294/247/206	294/247/206	371/324/282	371/324/282	371/324/282	441/353/294	441/353/294	441/353/294
	Cooling	A	0.2	0.2	0.31	0.31	0.31	0.31	0.31	0.31
Rated Current	Heating	A	0.2	0.2	0.31	0.31	0.31	0.31	0.31	0.31
	Water Heating	A	1	1	1	1	1	1	1	1
Sound pressur	e level(H/M/L)	dB(A)	38/34/30	38/34/30	44/41/38	44/41/38	44/41/38	44/41/38	44/41/38	44/41/38
Connecting pipe	Liquid	mm	Ф6.35	Ф6.35	Ф6.35	Ф6.35	Ф6.35	Ф9.52	Ф9.52	Ф9.52
diameter	Gas	mm	Ф9.52	Ф9.52	Ф12.7	Ф12.7	Ф12.7	Ф15.9	Ф15.9	Ф15.9
Drain pipe	External dia.	mm	Ф20	Ф20	Ф20	Ф20	Ф20	Ф30	Ф30	Ф30
Dialit pipe	Thickness	mm	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Dimension	Outline	mm	843x18	30x275		940x200x298			1008x221x319	
(WxDxH)	Package	mm	973x25	58x370		1068x288x395			1131x398x328	
Net weight/Gro	ss weight	kg	10/12.5	10/12.5	12.5/15.5	12.5/15.5	12.5/15.5	15/18.5	15/18.5	15/18.5
Loading	40' GP	set	702	702	557	557	557	441	441	441
Lodding	40' HQ	set	819	819	624	624	624	503	503	503

50/60 Hz

	Model		GMV-ND22G/A3A-T	GMV-ND28G/A3A-T	GMV-ND36G/A3A-T	GMV-ND45G/A3A-T	GMV-ND50G/A3A-T	
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5	
Capacity	Heating	kW	2.5	3.2	4	5	5.8	
Power supply		V/PH/Hz			220-240/1/50 & 208-230/1/60			
Power consum	ption	W	20	20	30	30	30	
	Cooling	A	0.1	0.1	0.16	0.16	0.16	
Rated cument	Heating	A	0.1	0.1	0.16	0.16	0.16	
	Water heating	A	1	T	1	1	1	
Sound pressur	e level	dB (A)	38	38	44	44	44	
Connecting	Liquid	mm	Ф6.35	Ф6.35	Ф6.35	Ф6.35	Ф6.35	
pipe diameter	Gas	mm	Ф9.52	Ф9.52	Ф12.7	Ф12.7	Ф12.7	
Desir sins	Extermal dia.	mm	Ф20	Ф20	Ф20	Ф20	Ф20	
Drain pipe	Thickness	mm	1.5	1.5	1.5	1.5	1.5	
Dimension	Outline	mm	843×180×275	843×180×275	940×200×298	940×200×298	940×200×298	
(W×D×H)	Package	mm	970×255×355	970×255×355	1065×285×380	1065×285×380	1065×285×380	
Net weight/gro	ss weight	Kg	10	10	12.5	12.5	12.5	
andina	40'GP	Set	702	702	557	557	557	
Loading	40'HP	Set	819	819	624	624	624	

	Model		GMV-ND56G/A3A-T	GMV-ND63G/A3A-T	GMV-ND71G/A3A-T	GMV-ND80G/A3A-T	GMV-ND90G/A3A-T	GMV-ND100G/A3A-T
Capacity Power supply Power consumption Rated cument W Sound pressure lew Connecting pipe diameter Drain pipe Dimension	Cooling	kW	5.6	6.3	7.1	8	9	9.5
Бараспу	Heating	kW	6.3	7	7.5	9	10	10.5
Power supply		V/PH/HZ			220-240/1/50	& 208-230/1/60		
Power consump	otion	W	40	40	40	80	80	100
	Cooling	A	0.17	0.17	0.17	0.41	0.41	0.41
Rated cument	Heating	A	0.17	0.17	0.17	0.41	0.41	0.41
	Water heating	A	1	1	1	1	1	1
Sound pressure	level	dB (A)	44	44	44	49	49	52
Connecting	Liquid	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52
pipe diameter	Gas	mm	Ф15.87	Ф15.87	Ф15.87	Ф15.87	Ф15.87	Ф15.87
Danie sina	Extermal dia.	mm	Ф30	Ф30	Ф30	Ф30	Ф30	Ф30
Drain pipe	Thickness	mm	1.5	1.5	1.5	1.5	1.5	1.5
Dimension	Outline	mm	1008×221×319	1008×221×319	1008×221×319	1350×258×326	1350×258×326	1350×258×326
(W×D×H)	Package	mm	1128×313×395	1128×313×395	1128×313×395	1493×343×418	1493×343×418	1493×343×418
Net weight/gros	s weight	Kg	15	15	15	18.5	18.5	18.5
a a alima	40'GP	Set	441	441	441	228	228	228
Loading	40'HP	Set	503	503	503	266	266	266

Fresh Air Processing Indoor Unit 50/60 Hz

	Model		GMV-NDX125P/A-T*	GMV-NDX140P/A-T *	GMV-NDX224P/A-T*	GMV-NDX250P/A-T*	GMV-NDX280P/A-T*	GMV-NX450P/A(X4.0)-I
0	Cooling	kW	12.5	14.0	22.4	25 .0	28.0	45
Capacity	Heating	kW	10.5	10.0	16.0	20.0	20.0	32
Power supply		V/Ph/Hz		220	0-240V/1/50 & 208-230/1/	/60		380~415/3/50
Power consum	ption	W	350	350	760	860	860	1240
A ladia	0.1040.5	m³/h	1200/1000~2000	1200	2000/1500~3000	2500/2000~3500	2500/2000~3500	4000
Airflow volume	(H/W/L)	CFM	1	705	1177/833~1766	1	1471/1177~2060	2355
	Cooling	A	2	1.5	4.3	4.9	4.9	2.22
Rated Current	Heating	Α	2	1.5	4.3	4.9	4.9	2.22
	Water Heating	Α	1	7	1	1	1	1
ESP		Pa	150/50~200	150/50~200	200/50~270	200/50~300	200/50~280	200
Sound pressur	e level(H/M/L)	dB(A)	40~50	40~50	45~54	47~54	47~54	58
Connecting pip	e Liquid	mm	Ф9.52	Ф9.52	Ф9.52	Ф6.35	Φ9.52	Ф12.7
diameter	Gas	mm	Ф15.9	Ф15.9	Ф19.05	Ф22.2	Φ22.2	Ф28.6
Drain pipe	External dia.	mm	Ф25	Ф25	Ф30	Ф30	Ф30	Ф33
Drain pipe	Thickness	mm	2.5	2.5	1.5	1.5	1.5	3.0
Dimension	Outline	mm	1400×700×300	1400×700×300	1483×791×385	1483×791×385	1483×791×385	1700x1100x650
(WxDxH)	Package	mm	1601×813×365	1601×813×365	1578×883×472	1578×883×472	1578×883×472	1890x1460x835
Net weight/Gro	ss weight	kg	54/61	54/61	82/104	82/104	82/104	208/266
Loading	40' GP	set	84.0	84.0	52	52	52	16.0
Loading	40' HQ	set	98.0	98.0	65	65	65	16.0

Note: * This series can be matched with GMV5E(Top discharge outdoor unit)only.

Console Indoor Unit 50/60 Hz

	Model		GMV-ND22C/A-T	GMV-ND28C/A-T	GMV-ND36C/A-T	GMV-ND45C/A-T	GMV-ND50C/A-T
Capacity Power supply Power consumptic Airflow volume(H/I Rated Current H W ESP Sound pressure le Connecting pipe diameter Drain pipe E Dimension WxDxH)	Cooling	kW	2.2	2.8	3.6	4.5	5.0
Capacity	Heating	kW	2.5	3.2	4.0	5.0	5.5
Power supply		V/Ph/Hz			220-240/1/50 & 208-230/1/60		
Power consump	otion	W	15	15	20	40	40
A : #1	1000	m³/h	400/320/270	2.5 3.2 4.0 5.0 220-240/1/50 & 208-230/1/60 15 15 20 40 10/320/270 400/320/270 480/400/310 680/600/500 15/188/159 235/188/159 282/235/182 400/353/294 0.17 0.17 0.17 0.25 0.4 0.17 / / / / / / 0 0 0 0 0 38/33/27 38/33/27 40/37/32 46/43/39 6.35 6.35 6.35 6.35 9.52 9.52 9.52 9.52 12.7 28 28 28 28 28 28 1 1 1 1 1		680/600/500	
Airilow volume(H/IVI/L)	CFM	235/188/159	235/188/159	282/235/182	400/353/294	400/353/294
	Cooling	A	0.17	0.17 0.25		0.4	0.4
Rated Current	Heating	A	0.17	0.17	0.25	0.4	0.4
	Water Heating	A	I	7.	1	T	5.0 5.5 40 680/600/500 400/353/294 0.4
ESP		Pa	0	0	0	0	0
Sound pressure	level(H/M/L)	dB(A)	38/33/27	38/33/27	40/37/32	46/43/39	46/43/39
Connecting pipe	Liquid	mm	6.35	6.35	6.35	6.35	6.35
diameter	Gas	mm	9.52	9.52	9.52	12.7	12.7
Orain nina	External dia.	mm	28	28	28	28	28
Drain pipe	Thickness	mm	1	1	1	1	1
Dimension	Outline	mm	700/215/600	700/215/600	700/215/600	700/215/600	700/215/600
(WxDxH)	Package	mm	788x283x777	788x283x777	788x283x777	788x283x777	788x283x777
Net weight/Gros	ss weight	kg	16/19	16/19	16/19	16/19	16/19
onding	40' GP	set	348	348	348	348	348
Loading	40' HQ	set	348	348	348	348	348



Note:
* This series is without water pump.

Floor Ceiling Type Indoor Unit 50/60 Hz

	Model		GMV-ND28ZD/A-T	GMV-ND36ZD/A-T	GMV-ND50ZD/A-T	GMV-ND56ZD/A-T	GMV-ND63ZD/A-T
	Cooling	kW	2.8	3.6	5.0	5.6	6.3
Capacity	Heating	kW	3.2	4.0	5.6	6.3	7.1
Power supply		V/Ph/Hz			220~240/1/50 & 208~230/1/60		
Power consump	otion	W	40	40	50	50	75
	LIMALS	m³/h	650/580/500	650/580/500	950/850/700	950/850/700	1400/1150/1000
Airflow volume(H/IVI/L)	CFM	380/341/294	380/341/294	560/500/410	560/500/410	825/677/590
	Cooling	A	0.3	0.3	0.4	0.4	0.6
Rated Current	Heating	A	0.3	0.3	0.4	0.4	0.6
	Water Heating	A	1	1	- 1	1	1
Sound pressure	level(H/M/L)	dB(A)	36/34/32	36/34/32	42/38/33	42/38/33	44/42/39
Connecting pipe	Liquid	mm	Ф6.35	Ф6.35	Ф6.35	Ф9.52	Ф9.52
diameter	Gas	mm	Ф9.52	Ф12.7	Ф12.7	Ф15.9	Ф15.9
Orain pipe	External dia.	mm	Ф17	Ф17	Ф17	Ф17	Ф17
orali i pipe	Thickness	mm	1.75	1.75	1.75	1.75	1.75
Dimension	Outline	mm		1220x	700x225	16.500	1420x700x245
WxDxH)	Package	mm		1343x8	323x315		1548x828x345
let weight/Gro	ss weight	kg	40/49	40/49	40/49	40/49	50/58
oading	40' GP	set	145	145	145	145	90
.vauiig	40' HQ	set	158	158	158	158	98

	Model		GMV-ND71ZD/A-T	GMV-ND90ZD/A-T	GMV-ND112ZD/A-T	GMV-ND125ZD/A-T	GMV-ND140ZD/A-T	GMV-ND160ZD/A-T
Caracita	Cooling	kW	7.1	9.0	11.2	12.5	14.0	16.0
Capacity	Heating	kW	8.0	10.0	12.5	14.0	16.0	18.0
Power supply		V/Ph/Hz			220~240/1/50 8	\$ 208~230/1/60		
Power consump	otion	W	75	140	160	160	160	200
A 1 - 0 1 1	LUMBER	m³/h	1400/1150/1000	1600/1400/1200	2000/1800/1450	2000/1800/1450	2000/1800/1450	2300/2100/1900
Airflow volume(H/IVI/L)	CFM	825/677/590	940/824/706	1175/1059/853	1175/1059/853	1175/1059/853	1354/1236/1119
	Cooling	A	0.6	1.1	1.4	1.4	1.4	1.9
Rated Current	Heating	A	0.6	1.1	1.4	1.4	1.4	1.9
	Water Heating	A	1	1	1	1	/	1
Sound pressure	e level(H/M/L)	dB(A)	44/42/39	50/47/43	51/46/42	52/49/45	52/49/45	52/49/45
Connecting pipe	Liquid	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52
diameter	Gas	mm	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф19.05
Drain pipe	External dia.	mm	Ф17	Ф17	Ф17	Ф17	Ф17	Ф17
Drain pipe	Thickness	mm	1.75	1.75	1.75	1.75	1.75	1.75
Dimension	Outline	mm	1420x70	00x245		1700x7	00x245	
(WxDxH)	Package	mm	1548x82	8x345		1828x8	28x345	
Net weight/Gro	ss weight	kg	50/58	50/58	60/68	60/68	60/68	60/68
Loading	40' GP	set	90	90	84	84	84	84
Loading	40' HQ	set	98	98	98	98	98	98

Concealed Floor Standing Type 50/60 Hz

	Model		GMV-ND22ZA/A-T	GMV-ND28ZA/A-T	GMV-ND36ZA/A-T	GMV-ND45ZA/A-T	GMV-ND56ZA/A-T*	GMV-ND63ZA/A-T*	GMV-ND71ZA/A-T
ower consumption of the consumpt	Cooling	kW	2.2	2.8	3.6	4.5	5.6	6.3	7,1
Capacity	Heating	kW	2.5	3.2	4	5	6.3	7.1	8
Power supply		V/Ph/Hz			220-24	0V~50Hz/208-230V	~60Hz		
Power consumpt	tion	W	35	35	43	45	80	80	90
A1-8 - 1 - 21 1	444.3	m³/h	450/350/250	450/350/250	550/450/350	650/500/400	900/750/600	900/750/600	1100/900/700
Alrilow volume(H	/IVVL)	CFM	265/206/147	265/206/147	324/265/206	383/294/235	530/441/353	530/441/353	647/530/412
Dated Correct	Cooling	Α	0.18	0.18	0.22	0.23	0.41	0.41	0.46
Rated Current	Heating A 0.18 0.18 0.22 0.23 0.41 0.41		0.41	0.46					
ESP		Pa	10/0~40	10/0~40	10/0~40	15/0~60	15/0~60	15/0~60	15/0~60
Sound pressure	level(H/M/L)	dB(A)	30/28/25	30/28/25	33/31/28	33/31/28	35/33/30	35/33/30	37/35/33
Connecting pipe	Liquid	mm	Ф6.35	Ф6.35	Ф6.35	Ф6.35	Ф9.52	Ф9.52	Ф9.52
diameter	Gas	mm	Ф9.52	Ф9.52	Ф12.7	Ф12.7	Ф15.9	Ф15.9	Ф15.9
Davis de	External dia.	mm	Ф25	Ф25	Ф25	Ф25	Ф25	Ф25	Ф25
Drain pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Dimension	Outline	mm	700×615×200	700×615×200	700×615×200	900×615×200	1100×615×200	1100×615×200	1100×615×200
(WxDxH)	Package	mm	893×743×305	893×743×305	893×743×305	1123×743×305	323×743×305	1323×743×305	1323×743×305
Net weight/Gross	weight	kg	23/30	23/30	23/30	27/36	32/41	32/41	32/41
	40'GP	set	192	192	192	192	162	162	162
Loading quantity	40'HQ	set	192	192	192	192	162	162	162

*Note: This product model is under development. Please confirm the final specifications with sales representatives.

Floor Standing Type 50/60 Hz

	Model		GMV-ND100L/A-T	GMV-ND140L/A-T
Capacity	Cooling	kW	10	14
Sapacity	Heating	kW	11	15
ower supply		V/Ph/Hz	220-240/1/50 & 20	08-230/1/60
Power consum	nption	W	185	185
Ciella eller	ALIMAN S	m³/h	1850/1600/1400	1850/1600/1400
Airflow volume	e(H/IVI/L)	CFM	1089/942/824	1089/942/824
	Cooling	A	1.5	1.5
Rated Current	Heating	A	1.5	1.5
	Water Heating	A		I
ESP		Pa	0	0
Sound pressur	re level(H/M/L)	dB(A)	50/48/46	50/48/46
Connecting pip	e Liquid	mm	Ф9.52	Ф9.52
diameter	Gas	mm	Ф15.9	Ф15.9
Orain pipe	External dia.	mm	31	31
oranii pipe	Thickness	mm	4.5	4.5
Dimension	Outline	mm	1870x580x	<400
WxDxH)	Package	mm	2083x738x	x545
let weight/Gro	oss weight	kg	54/74	57/77
oading.	40' GP	set	67	67
.oaulig	40' HQ	set	67	67

AHU KIT

50/60 Hz

	Mode			GMV-N	6U/A-T	GM\	/-N71U/A	\-Т	GMV	-N140U/	A-T		GMV	/-N280	U/A-T		GM	IV-N5601	U/A-T
Defaulted consoits	. of ou	Capacity	2	3	6		71			140				280				560	
Defaulted capacity	or ex-	Cooling	kW	3	.6		7.1			14.0				28.0			56.0		
factory		Heating	kW	4	.0		8.0			16.0		31.5						63.0	
		Capacity		28	36	45	56	71	90	112	140	224	280	335	400	450	504	560	840
Adjustable capaci	ty	Cooling	kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	22.4	28.0	33.5	40.0	45.0	50.4	56.0	84.0
		Heating	kW	3.2	2 4.0 5.0 6.3 8.0 10.0 12.5 16.0 25.0 31.5 37.5 45.0							50.0	56.5	63.0	94.5				
Power input	Power input V				5.0														
ower supply			V/Ph/Hz								220/	1/50							
	AHU-KIT	AHU-KIT		Ф6.35 Ф9.52				Ф9.52				Ф9.52			Ф15.9				
Size of	Air	Liquid pipe	mm	Ф6.35	Ф6.35	Ф6.35	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф12.7	Ф12.7	Ф12.7	Ф15.9	Ф15.9	Ф19.05
connection pipe	handling	Gas pipe	mm	Ф9.52	Ф12.7	Ф12.7	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф19.05	Ф22.2	Ф25.4	Ф25.4	Ф28.6	Ф28.6	Ф28.6	Ф31.8
	Connectio	n method								Brazi	ng Conn	ection							
Outline dimension	,	EXV box	mm	203×3	26×85	20	3×326×8	35	20	3×326×8	15		20	3×326	×85		246×500×120		120
(W×D×H)		Control box	mm	334×28	34×111	33	4×284×1	11	334	4×284×1	11		334	4×284×	111		33	34×284×	111
Packing size			mm	539×46	61×247	53	9×461×2	47	539	9×461×2	47		539	9×461×	247		75	9×645×	180
Net weight/Gross	weight		kg	8.6/	11.5		8.6/11.5	ji		8.6/11.5				8.6/11.	5			11.8/15.	5
Landina		40'GP	set	9	81		981			981				981				702	
Loading		40'HQ	set	10	90		1090			1090				1090				756	

Note:
Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.



Control Systen

Control System



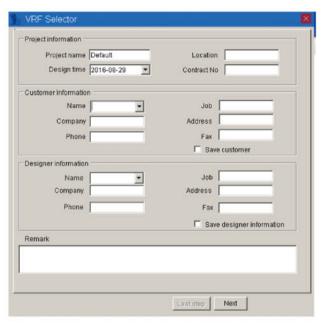
Smart Model Selection Software and Debugging Software

Model Selection Software

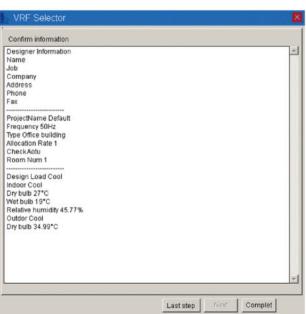
Gree multi VRF selection software is a kind of advanced computer program for selecting models automatically in sales and project bidding. It integrates multi VRF selection logic and computer software to provide a user-friendly interactive interface, which is able to automatically recommend suitable models to user according to ambient condition of project and user's demand.

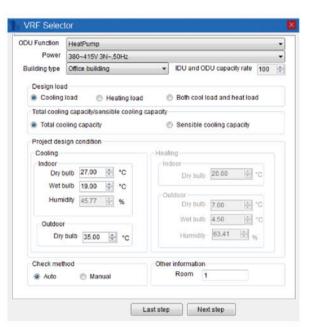
New Project Setting and Project Design Conditions

After setting up a new model selection project, input the information of project, customer and designer, and select the function type, power supply, design conditions and other information of outdoor unit.



Project Setting





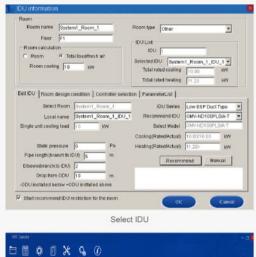
Project Design Conditions

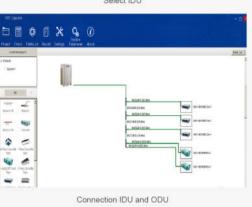
Confirmation

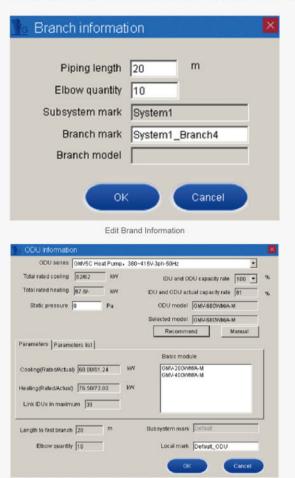


Model Selection of Indoor Unit and Outdoor Unit

After selecting room type, the software will recommend the suitable indoor unit series automatically. You can also select indoor unit series manually. After inputting the room area or the required air conditioning load, elbows, drop from ODU, etc., the software will recommend the suitable indoor unit model automatically. Select branch and then input its piping length, drop from ODU and other information to connect the branches with indoor unit and outdoor unit. Select the outdoor unit series and the software will recommend the suitable outdoor unit model automatically.

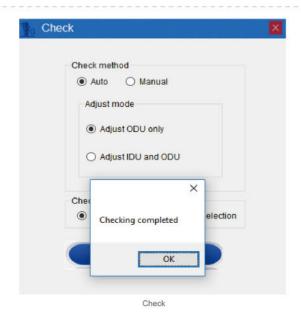






Check

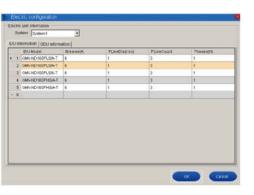
After finishing the model selection of indoor unit and outdoor, select the check method to check each system in the project and adjust IDU and ODU models.



Select ODU

Electric Configuration and Unit Configuration

After checking, the electric configuration of indoor unit and outdoor unit shall be confirmed. During model selection, metric unit or British unit can be set.





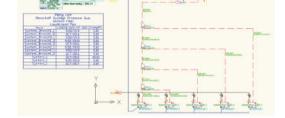
Confirm Electric Configuration

Unit Configuration

Output Report

After finishing the project settings, the report can be output in excel or CAD format.





Report in Excel Format

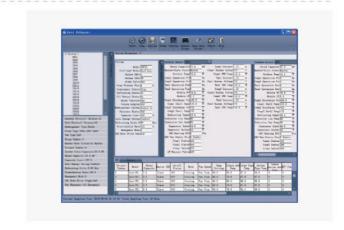
Report in CAD Format

Intelligent Debugging Software

GMV5E offers an intelligent debugging software to the end-users for faster construction needs.

Monitoring Functions

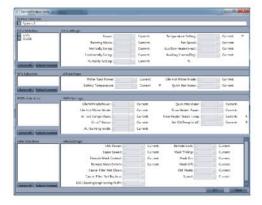
- Fully control the operation status of each device of the system;
- Hover the mouse over the parameter to display its remarks.
- The online devices will be displayed in a tree structure;
- Display the information of air conditioner in divided regions;
- Each display region can be moved or concealed;
- Display updated status of units in real time;





Control Functions

- Control the operation of unit as you like;
- Comprehensive control of outdoor unit, indoor unit, water tank, hydro box, etc.;
- Real-time display of current status or status after being controlled;
- Both single control and group control are available.



Project Debugging Functions

- One-click and automatic project debugging;
- Project debugging is arranged step by step from left to right;
- Manual intervention and skipping of some debugging phases are available.
- Green icons will be displayed for the items finishing debugging; red icons will be displayed for the items having debug exception; light yellow icons display debugging information;



Auto Data-Saving Function

Data will be saved automatically. Database saving path can be changed or data document can be generated repeatedly.





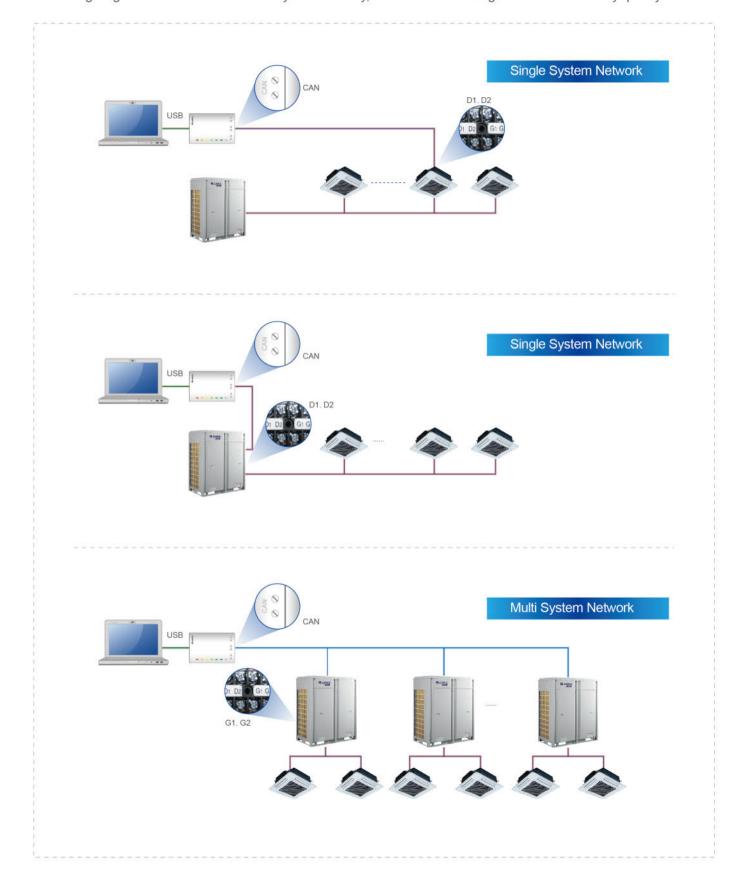
USB Data Converter

Users can use USB data converter to freely convert CAN/HBS/RS485 data into USB data, achieving data interchange between computer and air conditioner.



Auto Direction of Connection Way

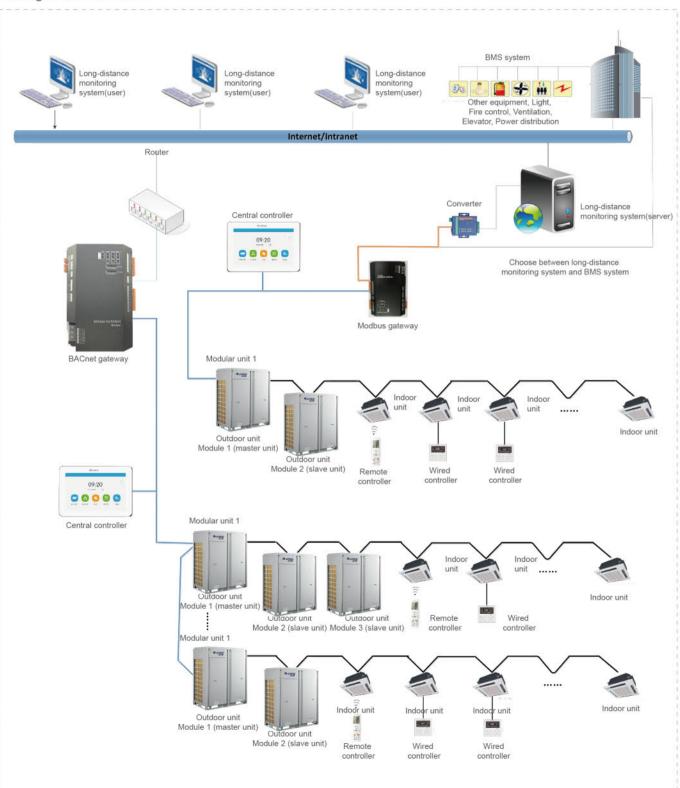
The wiring diagram will direct connection way automatically, so that the user can get the connection way quickly.





Multiple Intelligent Remote Control Management

Gree GMV5E provides multiple intelligent controls in order to satisfy all demands. It can control both a room and a building at the same time.



Visualized Management

- System has a map that can display air conditioners' locations in rooms and buildings.
- System is able to measure the status and number of air conditioners in different levels



Everyday Management

Setting for daily operation

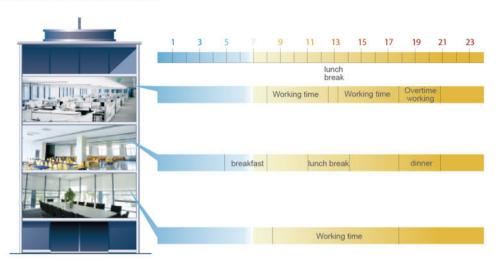
- a.Management in days/weeks/months/years
- b.Management in each unit
- c.Simple display for management

Other functions

a.Power on/off, modes, humidity, fan speed b.Waste of energy that may be caused by forgetting to turn off the air conditioner can be avoided

Everyday Management at different locations

a.Management for overtime working b.Management for meal breaks c.Management for working time



Group Management

Central management in groups

- a. Free choices of dividing groups
- b.Central control over power on/off
- c.Central control over temperature
- d.Central control over modes
- e.Central control over user authority





Control System

Authority Management

Only for indoor units

a.Limited control over power on/off b.Limited control over temperature c.Limited control over modes



VIP Management

System can provide independent and unique service to VIP users.

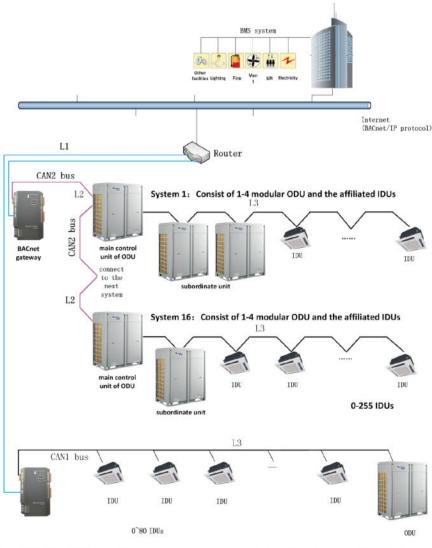


BACnet Gateway

Gree BAC net gateway kit ME30-24/D4(B) is intended to realize the data exchange between the air conditioning unit and BAS system, and providing standard BACnet/IP building interface and 10 I/Os (five inputs are DI1, DI2, DI3, DI4, DI5 and five outputs are DO1, DO2, DO3, DO4, DO5). DI1 is the fire alarm interface. The status of other I/Os are mapped to the specific objects of the BACnet/IP bus and are defined by the user.







- International standard BACnet/IP interface;
- Real-time monitoring of unit operation status, e.g. on/off, mode, temperature;
- Real-time response to the control of unit (on/off, mode setting and speed setting, etc.) by monitoring software:
- Monitor unit errors;

- Lock unit operation statuses, directing at all control functions of unit itself or a certain setting function;
- Achieve cooling and heating temperature limitation functions:
- 5DI &5DO interfaces for receiving fire alarm signal and user's definition logic;
- Up to 255 IDU units can be centrally controlled.



Wired Controller and Remote Controller

There are two kinds of controllers: wired controller and remote controller. The system provides various controls for users, such as cooling, heating, dehumidifying and fan etc., users can select it flexibly according to their own using methods.

Wired controller XK46



- LCD with black background and white words; touch buttons;
- Clock can be displayed and set; 24 hours timer setting for on/off;
- 7 levels of fan speed, up & down swing and left&right swing;
- Can be switched in auto, cooling, dehumidifying, fan, heating, floor heating, 3D heating and space heating operation modes;
- Master and slave wired controllers can be set; simultaneous control over several IDUs is available;
- Available functions: sleep, ventilation, quiet/auto quiet, light, energy saving, auxiliary heating, drying, memory, low-temperature dehumidifying, absence in heating, controllable auxiliary heating in dehumidifying, filter cleaning reminder, etc.;
- Detect ambient temperature; receive infrared remote controller signal;
- With project parameters viewing and setting functions;
- Dampproof structure design.

Wired Controller XK79 (For hotel)



- Small and fashionable appearance with thickness only of 12mm and back lighting LCD with black background and white words;
- · Eight touch buttons;
- Clock can be displayed and set in countdown and clock timer;
- Besides normal functions, other functions such as low-temperature dehumidifying, absence in heating, controllable auxiliary heating in dehumidifying and filter cleaning reminder can also be set:
- Door control system can be connected.

Wired Controller XK55



- Elegant appearance;
- High-resolution color LCD;
- Capacitive touch control; receive infrared remote controller signal;
- Various timing functions: three weekly timers and one countdown timer can be set simultaneously; mode, temperature and fan speed can be preset in weekly timer;
- Complete system functions; each function will be implemented in an individual page with interactive and humanized interface;
- Various personalized functions, e.g. setting brightness and backlight time;
- Sufficient viewing functions, e.g. viewing on/off status and after-sales service hot line.

Wired Controller XK86



- Elegant and concise appearance;
- Touch buttons with back lighting LCD;
- Chinese and English display can be switched;
- With weekly timer function;
- Complete system functions with each function implemented in an individual page;
- Refreshing, auto dehumidifying, absence and other modes can be set:
- Detect ambient temperature preciously;
- With electricity consumption inquiry function (Unit with electricity measurement function shall be connected);
- With service hotline inquiry and after-sales phone number record functions;



Remote Controller YAP1F



- Can be switched in auto, cooling, dehumidifying, fan and heating operation modes;
- Besides turbo,6 levels of fan speed can be set;
- Available functions: child lock, drying, health, ventilation, turbo, sleep, light, absence, I-feel and timer:
- Clock display and indoor/outdoor ambient temperature viewing functions;
- Up & down swing and left & right swing.

Remote Controller YV1L1

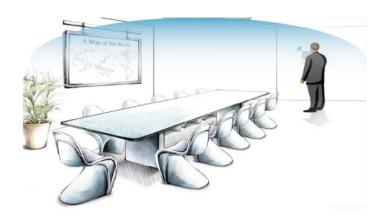


- Back lighting LCD;
- Can be switched in auto, cooling, dehumidifying, fan, heating, floor heating, 3D heating and space heating operation modes;
- 7 levels of fan speed, up&down swing and left&right swing;
- Available functions: child lock, energy saving, drying, health, ventilation, quiet/auto quiet, sleep, light, absence, low-temperature dehumidifying, I-feel and timer;
- With clock display, system parameters viewing and setting functions.



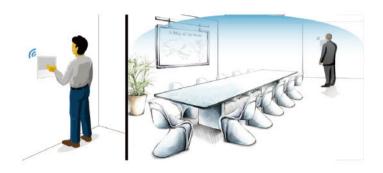
• Single control of one unit

Each indoor unit has an independent controller.



Multiple control of one unit

One indoor unit can be controlled by several wired controllers at different places.



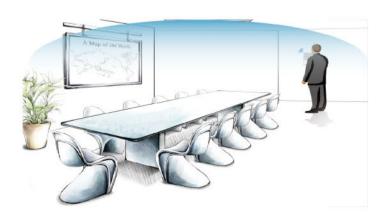
Central control of several indoor units

One wired controller can control as many as 16 indoor units.



Joint control of remote controller and wired controller

Users can control one unit with two types of controllers: a remote controller which is convenient and flexible; or a wired controller which includes every function of an air conditioner.





Smart Zone Controller and Central Controller

Smart zone controller CE53-24/F(C)



- High-resolution color LCD;
- 7" capacitive touch screen for easy operation;
- Shielding function of single unit, group and all IDUs (shielding on/off, mode, temp setting, etc.);

- With various functions: centralized control(control) all indoor units), group management(support DIY grouping), schedule management(setting of several schedules) and single unit control(on/off, mode, temp setting, fan speed, quiet, swing control, etc.);
- Provide naming of indoor units, selection of icons and personalized settings(setting background, backlight, etc);
- Up to 32 units can be centrally controlled;
- Elegant and fashionable appearance;
- Embedded installation in wall with projecting thickness only of 11mm;
- Connectable with network of indoor units or outdoor units;
- Independent power supply in 110~240V wide voltage range;
- With project setting, parameter viewing, malfunction record and access management functions.

Central controller CE52-24/F(C)



- High-resolution color LCD;
- 7" capacitive touch screen for easy operation;
- With project setting, parameter viewing, malfunction record and access management functions.

- With various functions: centralized control(control all indoor units), group management(support DIY grouping), schedule management(setting of several schedules) and single unit control(on/off, mode, temp setting, fan speed, quiet, swing control, etc.);
- Shielding function of single unit, group and all IDUs (shielding on/off, mode, temp setting, etc.);
- · Provide naming of indoor units, selection of icons and personalized settings(setting background, backlight, etc);
- Up to 255 units can be centrally controlled;
- Elegant and fashionable appearance;
- Embedded installation in wall with projecting thickness only of 11mm;
- Connectable with network of indoor units or outdoor units:
- Independent power supply in 110~240V wide voltage range;

E-smart Zone Controller CE54-24/F(C)

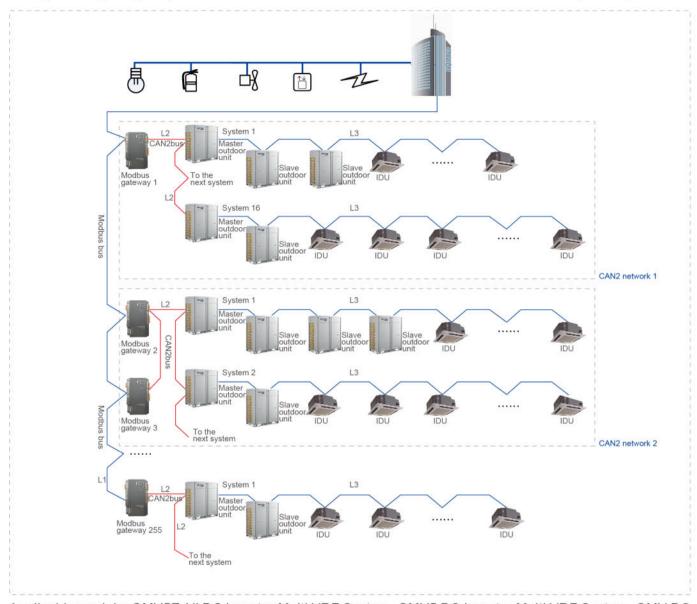


- Adopt built-in type installation; the exposed part is only 11mm:
- High resolution colorful LCD:
- 4.3 inch capacitive touch screen for easy operation;
- With single indoor unit control(including general functions and advanced functions), group indoor units control(including general functions and advanced functions), group management(supporting DIY group), single indoor unit and group indoor units timer functions; (general function: ON/OFF, Mode, Set, Fan, Swing, etc; advance functions: Save, Sleep, E-heater, Absence, Quiet, Turbo, etc)
- With long-distance shield function (shield switch, mode, set, etc) for single unit, group and all indoor
- Support denomination for indoor units, and icon selection, realizing individuation management;
- Support maximum 32 indoor units, with powerful function;
- Indoor or outdoor unit network can be connected, simple and flexible;
- 110~240V super wide voltage for independent power supply, stable and reliable;
- With functions of engineering setting, parameters view, malfunction view and authority management, easy for debugging and maintenance.



Modbus Gateway

Modbus Gateway provides GMV5E system with the Modbus protocol interface when connecting to the Building Management System(BMS) in order to achieve central control and remote control over GMV5E system by BMS.



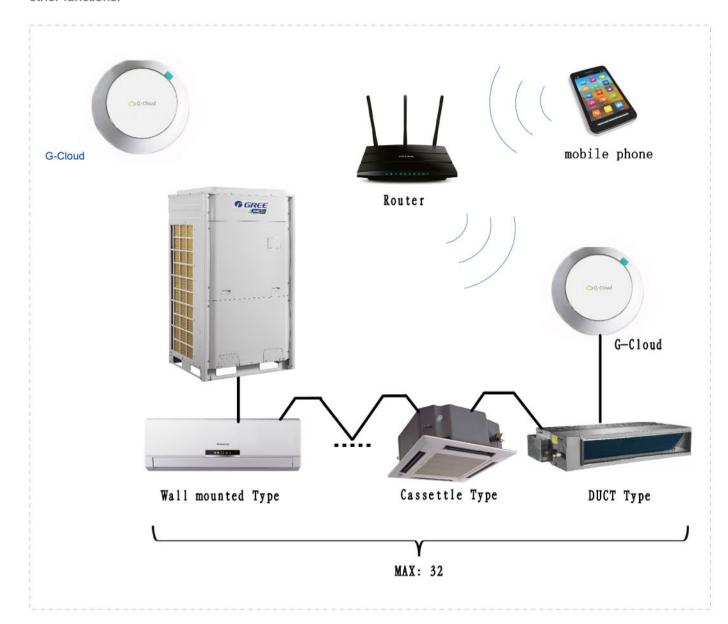
Applicable models: GMV5E All DC Inverter Multi VRF System, GMV5 DC Inverter Multi VRF System, GMV DC Inverter Water Cooled Heat Pump Multi VRF System.

- Real-time monitoring of unit operation status, e.g. on/off, mode, temperature;
- Real-time response to the control of unit (on/off, mode setting and speed setting, etc.) by monitoring software;
- Control all the units switches of on and off.
- Monitor unit errors;
- One Modbus bus can support up to 255 gateways.
 One Modbus gateway can support at most 16 outdoor units(up to 64 modular outdoor units) and 128 indoor units;

- Lock unit operation statuses, directing at all control functions of unit itself or a certain setting function;
- Linkage control, supporting 5 DI and 5 DO for receiving fire alarm signal and user's definition logic;
- CAN, RS485 communication ports are non-polar, convenient for construction wiring;
- Achieve cooling and heating temperature limitation functions;
- 100-240 VAC,50/60Hz wide voltage range, adapted to the power supply of each country and region.

6-Cloud

G-Cloud shall be operated with smart phone, Gree Smart and wireless router. Configure the smart phone and G-Cloud in the same router to achieve smart control, preset management, scene management, device linkage and other functions.



- Quick configuration: Connection between smart phone and G-Cloud can be achieved through pressing one button, so the configuration is quite simplified;
- Device control: User can set temperature, unit on/off and operation mode through the smart phone and view operation parameters in real time;
- Long-distance control: User can control the device from long distance through the Internet after login (G-Cloud shall be linked to the Internet);

- Scene setting: A series of commands can be set to form a scene and then you can activate the scene just by pressing one button.
- Device linkage: According to the trigger conditions set by the user, linkage in devices can be achieved;
- Preset function: User can set preset function according to his own requirement, so the device will operate automatically according to the setting.



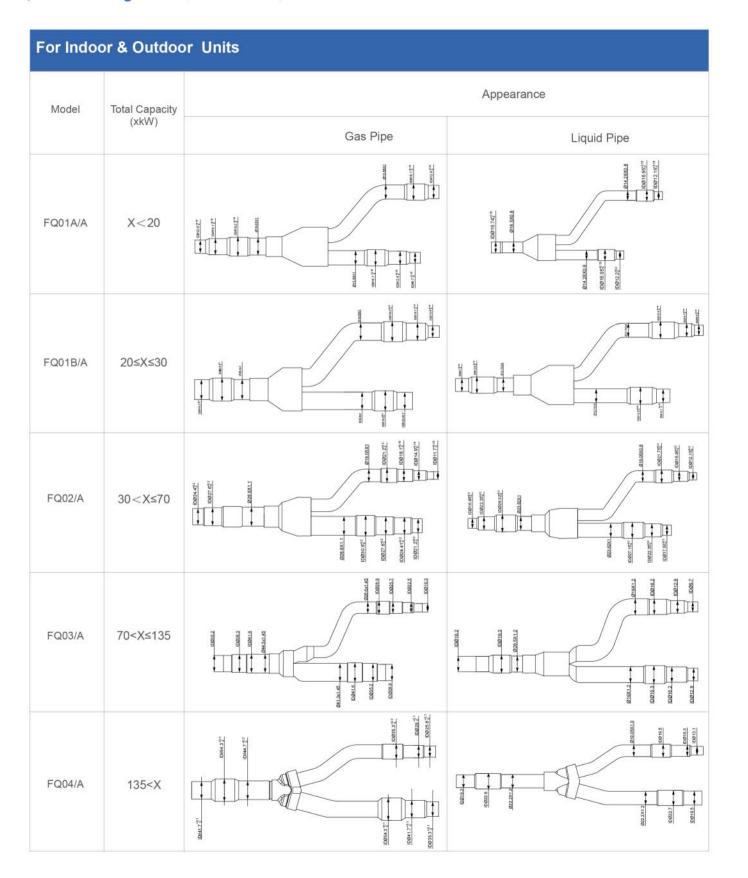
Control System

Control System Lineup

Controlli	ng system	Product	series	Cassette Type	(High ESP、 Low ESP、 Slim Ducted) Duct Type	Fresh Air Processing	Wall mounted Type	Floor Ceiling Type	Console Type	Floor Standing Type	Air Handler
Wireless Controller	YAP1F		•	0	0	•	•	•	•	0	
	YV1L1		0	0	0	0	0	0	0	0	
		XK46		0	•	•	0	0	0	0	•
Wir	ed controller	XK79		0	0	0	0	0	0	0	0
****		XK55	26.÷M	0	0	0	0	0	0	0	0
			* 26 *	0	0	0	0	0	0	0	0
		JS05(receiver)			0	0					
Centra	lized Controller	CE52-24/F(C)	00000	0	0	0	0	0	0	0	0
Smart .	Zone Controller	CE53-24/F(C)	0 0	0	0	0	0	0	0	0	0
E-Smar	t Zone Controller	CE54-24/F(C)		0	0	0	0	0	0	0	0
Long-distance	e monitoring software	FE31-00/AD(BM)		0	0	0	0	0	0	0	0
BMS	Commmunication module(modbus)	ME30-24/E4(M)		0	0	0	0	0	0	0	0
Accessories	GMV BACnet gateway (BACnet)	ME30-24/D4(B)		0	0	0	0	0	0	0	0
Other	Optoelectronic isolated converter	GD02		0	0	0	0	0	0	0	0
modules	Optoelectronic isolated signal multiplier	RS485-W	4	0	0	0	0	0	0	0	0
	G-Cloud	ME31-00/C2	0	0	0	0	0	0	0	0	0

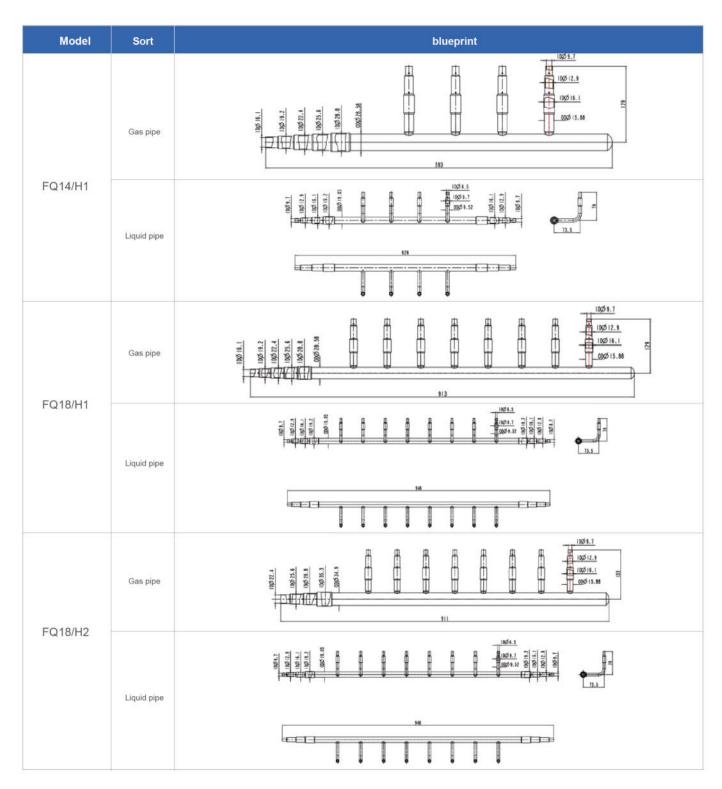
Note: • means standard, • means optional.

▶ Branching Joint (FOR GMV5E units)





▶ Branching Joint (FOR GMV5E units)



WITH THE PROPERTY OF THE PROPERTY OF THE PARTY.	Upstream co	nnection pipe dimension	Model of manifold pipe
tal rated capacity of downstream indoor units X(kW)	Gas pipe(mm)	Liquid pipe(mm)	
X≤68.0	≤Φ28.6	≤Φ15.9	FQ18/H1
68.0 < X	≥Ф31.8	≥Ф19.05	FQ18/H2
X≤40.0	≤Φ25,4	≤Φ12.7	FQ14/H1

▶ Branching Joint (FOR GMV5 HR)

For Indoor Units	5			
Model	Total capacity of the		Appearance	
Model	downstream indoor unit X(kW)	High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe
FQ01Na/A	X≤5.0			
FQ02Na/A	5.0 <x≤22.4< td=""><td></td><td></td><td></td></x≤22.4<>			
FQ03Na/A	22.4 <x≤28.0< td=""><td></td><td></td><td></td></x≤28.0<>			
FQ04Na/A	28.0 <x≤68< td=""><td></td><td></td><td></td></x≤68<>			
FQ05Na/A	68 < X ≤ 96			
FQ06Na/A	96 < X ≤ 135			
FQ07Na/A	135 < X			

Model	Module's capacity			
model	X(kW)	High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe
ML01R	50.4≤X≤96			
ML02R	96 < X			



Note 🚃			

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