#### 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.

All features and specifications are subject to change without prior notice.

All images provided in this catalogue are used for illustration purposes only.

Copyright® Gree Electric Appliances, inc. of Zhuhai. All rights reserved.





#### GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

Contact add.:West jinji Rd, Qianshan, Zhuhai, Guangdong, China 519070

Tel: (+86-756)852 2218 Fax: (+86-756)866 9426 Email: gree@cn.gree.com Http://www.gree.com

#### HONG KONG GREE ELECTRIC APPLIANCES SALES LIMITED

Add.: Unit 2612, 26/F., Miramar Tower 132 Nathan Road, TST, Kowloon, HK

Tel: (852) 3165 8898 Fax.: (852) 3165 1029

GC-2209-05



# 2022 Gree has ranked the 487th on the list of Fortune Global 500. 2019 Gree entered into Fortune Global 500. Gree's return on equity (ROE) ranked the first among the 129 Chinese enterprises on the lst. 2018 Gree entered into the list of Forbes Global 2000 again and ranked No. 294, moving up 70 places compared with the previous year. Gree's sales revenue exceeded 30.23 billion USD. 2017 Gree's sales revenue exceeded 22,21 billion USD. 2016 2015 exceeded 16.51 billion Gree's sales revenue exceeded LISD 15.08 billion USD.

# **ABOUT GREE**

Gree Electric Appliances, Inc. of Zhuhai was founded in 1991 and was listed on the Shenzhen Stock Exchange in November 1996. At the beginning, Gree was only a company that assembled residential air conditioners. Now it has grown into a diversified global technological industrial group that has expanded its business to air conditioners, home appliances, high-end equipment and communication equipment under three brand names: GREE, KINGHOME and TOSOT. Gree was the number one brand of air conditioners in the world in 2021\*.

Thanks to 500 million users' choices, Gree brands are sold widely to more than 180 countries and regions.

Action makes the future and innovation makes achievement. Looking forward, Gree will press ahead with its business philosophy of passion, innovation and realization. We aim to build a centenary air conditioning enterprise and create a better life for humankind.

"Gree is the number one brand of air conditioners in the world in 2021 Footnote: "Source Euromonilor International Limited; Consumer appliances 2022ed; retail volume sales in units; 2021 data."

# **COMPANY AWARDS AND CERTIFICATES**

















































K



































# CONTENT

**GMV X Heat Pump** 

Features

Indoor Unit Specifications

**Healthy Products** 

Intelligent Control

**Project References** 



Development History of Multi VRF Air Conditioner (Heat Pump) Development History of Multi VRF Air Conditioner (Heat Recovery)

Year	Product	Features
1998	_	High-end VRF technology started to develop. Different from other domestic brands that directly purchased complete units and technologies from other countries, Gree insisted on independent innovation.
Dec. 1999	The first generation of intelligent multi VAF unit	One of the earliest manufacturers that entered the field of multi VRF unit in the domestic home appliances industry.
Jan. 2002	The second generation of GMV digital multi VR- air conditioner	Broke the monopoly of Japanese brands in the field of multi VRF unit, occupied the high-end market of multi VHF unit in the field of central air conditioner.
May 2004	The third generation of AC inverter multi VR= unit	Mastered inverter and stepless speed adjustment technology, realized new breakthrough in energy conservation of air conditioner.
Aug. 2008	The fourth generation of DC Inverter multi VRF modular unit	Based on modular design, the capacity can range from 8 to 64HP, it broke the limit in the industry that a maximum of 3 modules were allowed, satisfying larger market demands.
Dec. 2012	GMV5 all DC inverter multi VRF unit	With brand new system design concept, it has achieved many breakthroughs many aspects such as comfort, smart control, design freeness.
Oct. 2018	GVIV6 multi VHF unit	With new generation industrial loading multi VRF unit CAN+ communication technology. Brand new system design, operating temperature can be up to 55°C, more suitable to the Middle East with high temperature, high humidity, high dryness, high altitude and foreland environment.

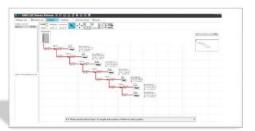
Year	Product	Features
May 2006	The first generation heat recovery digital multi VRF air conditioner	Comfortable indoor cooling and heating, digital multi VHF heat recovery technology with independent intellectual property rights, and the five major operating modes can be switched freely, which further promoted energy saving and environmental protection technologies for commercial air conditioners.
Nov. 2009	The second generation heat recovery multi VRF modular unit	Modular design concept, with DC inverter technology and sectional heat exchanger design, heat recovery energy efficiency improved by 30%, reaching the industrial leading level.
Dec. 2014	The third generation heat recovery multi VR- air conditioner (GMV5 HR)	Upgraded comfort and energy efficiency, heat recovery energy efficiency can be up to 8.0.
Dec. 2019	The fourth generation heat recovery multi VRF air conditioner (GMV6 HR)	Heat recovery energy efficiency can be up to 9.0, integrated with multiple functions such as cooling, heating, water heating, floor heating.

# **Technical Support**

# **VRF Selector**

Selection software is an essential tool for the sales of VRF system in overseas market. Gree has provided a smart, rapid and diversified selection software for customers in order to respond the urgent demand for export sales, meet the diversified needs of export market and enhance the competitiveness of Gree products in overseas market.

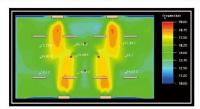
The software can find the suitable unit and piping through automatic calculation to get the most optimal scheme by combining the factors, such as the ambient temperature, operation site, reliability and comfort, etc. It has greatly improved the efficiency of software modeling by visual modeling and intelligent fast wiring.



#### Simulation

Based on CFD-Fluent, Gree provides wind field/temperature filed simulation computing service for overseas customers. This technology is used to simulate and calculate complex flows that are incompressible to a highly compressible range. CFD-Fluent is based on the finite-volume algorithm of unstructured grids, and it has the gradient algorithm of grid nodes and grid cells at the same time.

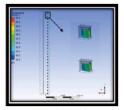
Gree can provide customers with professional wind field/temperature filed simulation computing services because it has rich research experience in transition and turbulence, heat transfer and phase transition, chemical reaction and combustion, multiple flow, noise, etc.



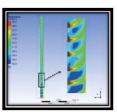
Simulated plane room temperature field distribution in a project



Simulated 3D room temperature field distribution in a project



Airflow simulation diagram



Building airflow simulation

#### **BIM**

Gree Overseas Technical Support Center provides building information modeling technical support in HVAC design for overseas projects and customers, and it is called BIM-revit for short.

At present, this Center has begun to take shape in the research of 3D modeling of HVAC system, unit data information, HVAC system informatization, electromechanical system informatization and system simulation operation in BIM-revit. It can provide a full range of technical support services for the owners on the aspect of visualization, refine and rationalization of HVAC system, production efficiency and cost-saving.

BIM model diagram

Unit layout drawing



Outdoor unit rendergraph



Installation effect diagram



# **Global Technology Service**

GTS (Global Technology Service) is a technical support and service platform for overseas global customers. Customers can log in the system at any time to check or download corresponding materials, such as related materials for Gree commercial products, electronic catalogues and selection software. Customers can log in the system and submit project information to get technical support services.



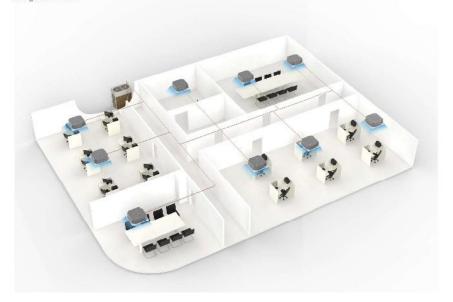


GTS system website: http://gts.gree.com

# Why Choose VRF Heat Pump System

# Demand

In a system without external constraints, if user requires only cooling or heating, then the heat pump system is a good choice.



# **Low Cost**

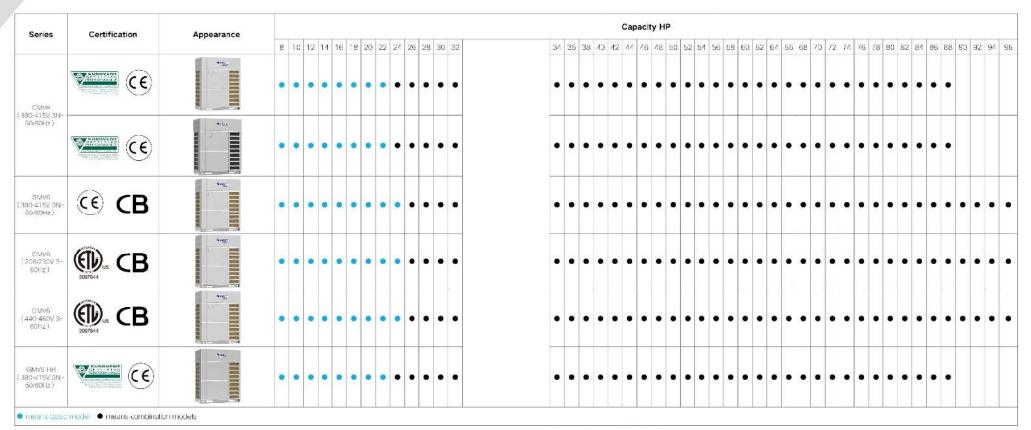
If there is only cooling or heating demand, a VRF heat pump system is recommended for it is cost-saving and easy to maintain.

# Flexible

Because of the characteristics of the VRF system (One outdoor unit can be connected to multiple indoor units), indoor units in different areas can be controlled independently, which is very flexible in use compared to common air conditioners.



# **GMV6** Outdoor Unit Lineup



#### GMV6 Features:

- 1. High energy efficiency
- 2. large air volume low noise (an blade
- Multiple prevention technologies (corrosion prevention, lightning prevention, dust prevention, wind prevention, snow prevention)
- 4. CAN+ communication technology
- 5. ntelligent control and management
- 6. Clean and healthy fresh air

#### GMV6 HR Features

- 1. Simultaneous cooling and heating
- 2. Hot water and floor heating
- 3. High energy efficiency heat recovery SCHE up to 9.0
- 4. Continuous heating
- 5. Clean and healthy fresh air
- 6. Intelligent control and management

# **GMV X Outdoor Unit Lineup**

Series  GMV X (Heat oump) (380-415V 3N- 60/50Hz.)					Certification					Appearance				
8	10	12	14	16	13	20	22	24	26	23	30	32	34	36
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
38	40	42	-64	46	48	50	52	54	56	58	60	62	64	66
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
88	70	72	74	76	78	80	82	84	86	88	90	92	94	96
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
98	100	102	104	106	108	110	112	114	116	118	120	122	124	126
•	•	٠	•	•	•	•	•	•	•	٠	•	•	•	•
128														
•	-				• mean	s dasic m	ode •	means o	ombinatio	n models				

#### GMV X (Heat pump):

- 1.Large capacity: maximum 36HP for a single unit and 128HP for combination units.
- Adopt high-efficiency low-temperature enthalpy adding technology and new type compressor with big capacity.
   Large high-efficiency G-shape heat exchanger.
- 4.Maximum subcooling degree is up to 35°C.

Series					Certification					Appearance				
	GMV ;380-4	X (Cooling 5V 3N -50	: enly) 5/80Hz )			(	СΒ					-		
							HP							
8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
38	Ø0.	42	44	46	48	50	52	54	56	58	60	62	64	66
•	•	•	•	٠	•	•	•	•	•	•	•	•	•	•
68	70	72	74	76	78	80	82	84	88	88	90	92	94	96
•	•	•	•	٠	•	•	•	•	•	•	٠	•	•	•
98	100	102	104	106	108	110	112	114	116	118	120	122	124	120
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		-							-				-	

#### GMV X (Cooling only):

- 1.Large capacity: max. 36HP for a single unit and 128HP for combination units.
- 2.Adopt brand new high-efficiency DC scroll compressor.
- 3. Adopt integrated G-shape heat exchanger; a heat exchanger is up to 4.2m.
- 4. Self-balancing control without oil balance pipe.

# High-efficiency and Energy-saving or High-efficiency of the unit. High-efficiency entitalpy-adding inverter compressor, high-efficiency of the unit.

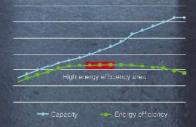
# High-efficiency and Energy-saving

HPAC High-efficiency Alternate Control

GMVS adopts high efficiency alternate control method to intelligently adjust the distributing method according to the demand of indoor load, which has ensured the service life of the integrated module, and improved the overall operating energy efficiency at the same time.

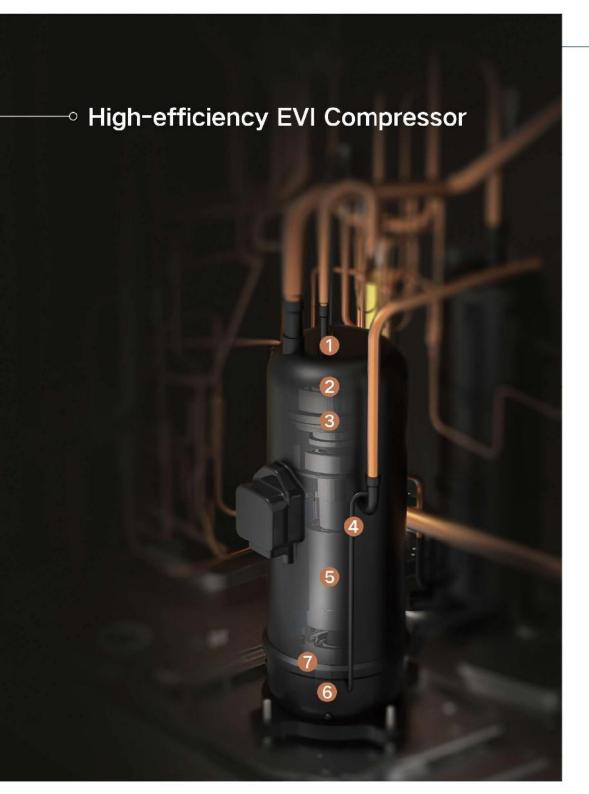
The best matching features exist among the compressor, indoor heat exchanger, and outdoor heat exchanger. It can automatically match the capacity of indoor and outdoor heat exchangers, and adjust in real time according to operating situation.







07 08



#### 1 High-efficiency EVI control technology

High-efficiency EVI compressor, which is developed according to the features of VRF unit, its 0-420Hz adjusting range can perfectly match with the whole unit, so as to excel the performance to the greatest extent.

#### 2 Release valve

Improving partial load energy efficiency, adapting to the condition of variable pressure ratio, upgrading compressor performance.

#### 3 Improved asymmetric wrap

New asymmetric wrap is adopted and compressor efficiency is improved by reducing leakage and invalid suction superheat.

#### Dynamic oil balance structure

Advanced oil balance technology, with high reliability and tlexible design without installation limit, which can realize parallel connection of compressors with different delivery capacity and revolving speed.

#### 6 High speed

0--420Hz stepless inverter operation, wide adjustment range of capacity, precision can be up to 1Hz.

#### 6 Oil pump filter

Filtrate the impurities to ensure the supplied oil is clean.

#### 7 Positive displacement gear pump

Ensure necessary oil supply under the revolving speed, improve reliability of compressor.

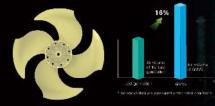
# → Large Air Volume and Low Noise Fan Blade

The "Reverse-S shape" tail design can effectively increase the working area of fan blades and greatly improve the air volume. The tail of the blade adopts the aircraft winglet design, which can effectively suppress the tip vortex caused by wing tip pressure difference and reduce noise.

The new air-out grille design increases the air supply area by 7.8%.



The "Reverse-S shape "tail design, with 4-blade control and separate design of blade pressure surface and suction surface, effectively increases the working area of fan blades and greatly improves the air volume.



Note: Applicable for some models.

# Multiple Prevention Technologies

Multiple prevention technologies: to protect the unit from corrosion, dust, wind, lightning and snow; to prolong the service life of the unit; to suit different environmental conditions.

The heat exchanger adopts acid-proof and highly anticorrosive black aluminum

Neutral salt spray time is up to 2000 hours.

The sheet metal of the casing is coated with high weather resistance powder for corrosion prevention.

Neutral salt spray time is up to 1000 hours.

The surface of controller is coated with special protection material, which has good dampproof, mildewproof and anticorrosive performance.

The grille received the treatment of phosphating and electrophoresis, and is coated with high weather resistance powder to prevent corrosion.

5 The external part adopts fasteners made of zinc-nickel alloy for better anticorrosive performance.

6 The anti-corrosion motor adopts stainless steel shaft, and electrophoresis for the outer case, with IP55 protection level\*2.

Outer sealing material of the coil adopts stainless steel and electrophoresis

8 The surface of the pressure vessel adopts the treatment of phosphating and is coated with high weather resistance powder to prevent corrosion.

#### Note:

 Applicable to GMV6 (GMV-\*\*WM/H1-X) series. For special environments with acid, alkel and satt corrosion, the unit can be customized to provide more comprehensive protection. Please consult our sales representatives for more information.

2 Standard models GMV6(GMV \*\*WM/H1 X) do not have this anti-corrosion treatment but can be customized if needed.

Corrosion Prevention



# Multiple Prevention Technologies •

#### **Dust Prevention Function\***

According to operating time of unit and real-time operating parameters, situation of heat exchanger can be estimated. When the accumulative dust of heat exchanger impacts the heat exchange efficiency, activating the backward operating function of fan can effectively remove the dust.









Auto-clean status

#### Wind Prevention Function

Before the unit is turned on, if the fan conducts backward operation due to adverse wind, it will adopt dynamic braking to stop the backward fan, and then turn on the unit according to normal program.



#### Lightning Prevention Function

Central air conditioning system has lightning protection and anti-surge function, which can effectively prevent the impact on air conditioning system due to instant overvoltage or overcurrent, so as to protect the personal and property safety of user.





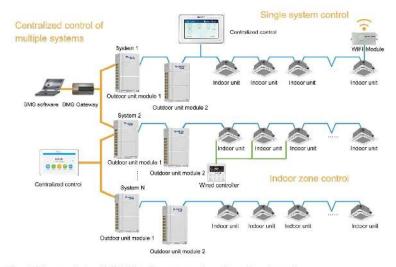
# **CAN+ Communication Technology**

# CAN-

CAN+

# Innovative Stratification CAN+ Structure with Multiple Master Networks

Considering that the application of an air conditioning system requires multiple nodes, multistep control and intelligent expansion, we originally developed the stratification CAN+ structure with multiple master networks, which makes it possible for the number of nodes in a single system to be increased relatively by 56% and the response time for centralized control to be shortened by hundreds of times.



#### First Formulated CAN+ Communication Protocol

It is the first time to formulate and standardize CAN+ communication protocol: two-stage network universal design, data can be directly transferred; functional code, network address, data field and related core concepts are developed, realizing grading, classification and real-time transfer of communication data, satisfying the demand of intelligent expansion.



#### The First Nonpolarity CAN+ Communication Chip

CAN+ self-adaptive networking technology includes single chip automatic nonpolarity technology and all network automatic address distribution technology, which can realize automatic networking for hundreds of nodes of large multi VRF unit within 10 seconds, the newly increased nodes can be activated instantly once it is inserted, greatly improving the networking speed and expansion capability.

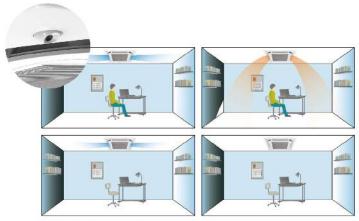




# Intelligent Control and Management

#### Intelligent Sensing Function

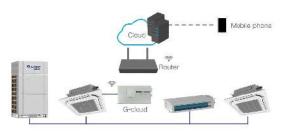
Intelligent sensing function control, 360 panoramic temperature field identification; high precision of temperature field identification, achieving cold air prevention, warm air surrounding; multiple intelligent control, more well-proportioned temperature field, more energy-saving operation.



\*This function should be customized,

#### Cloud Control

G-cloud is a compact WiFi controller, which connects G-cloud to the corresponding interface of any one of the multi VRF indoor units. Use mobile phone to download the "Gree+" APP, after simple nelwork configuration, the multi VRF air conditioner can be easily controlled by the mobile phone anytime and anywhere. One set of multi VRF system only requires one G-cloud to realize the control of all indoor units under the system via mobile phone.



One G-cloud can control up to 80 sets of indoor units within one system

#### Intelligent Management









One button control

Billing system

Prepaid

Data analysis

#### Centralized Control: Centralized Control of Building Terminal

One button control, unified management of air conditioners for a building: Gree centralized controller can achieve unified management of the air conditioners of a whole building via one button, which saves time and power.



#### Long-distance Control: Distributed Centralized Control System

Restriction management, reducing waste of energy due to misoperation: restriction management can set restriction on the indoor unit to limit on/off status, temperature range, and modes.



#### Billing System: Reasonable Distribution of Electricity Billing

Billing system, clear management: Gree billing system for multi VRF unit can calculate and distribute the electricity via unique calculation mode to reasonably allocate the energy consumption and electricity fee.

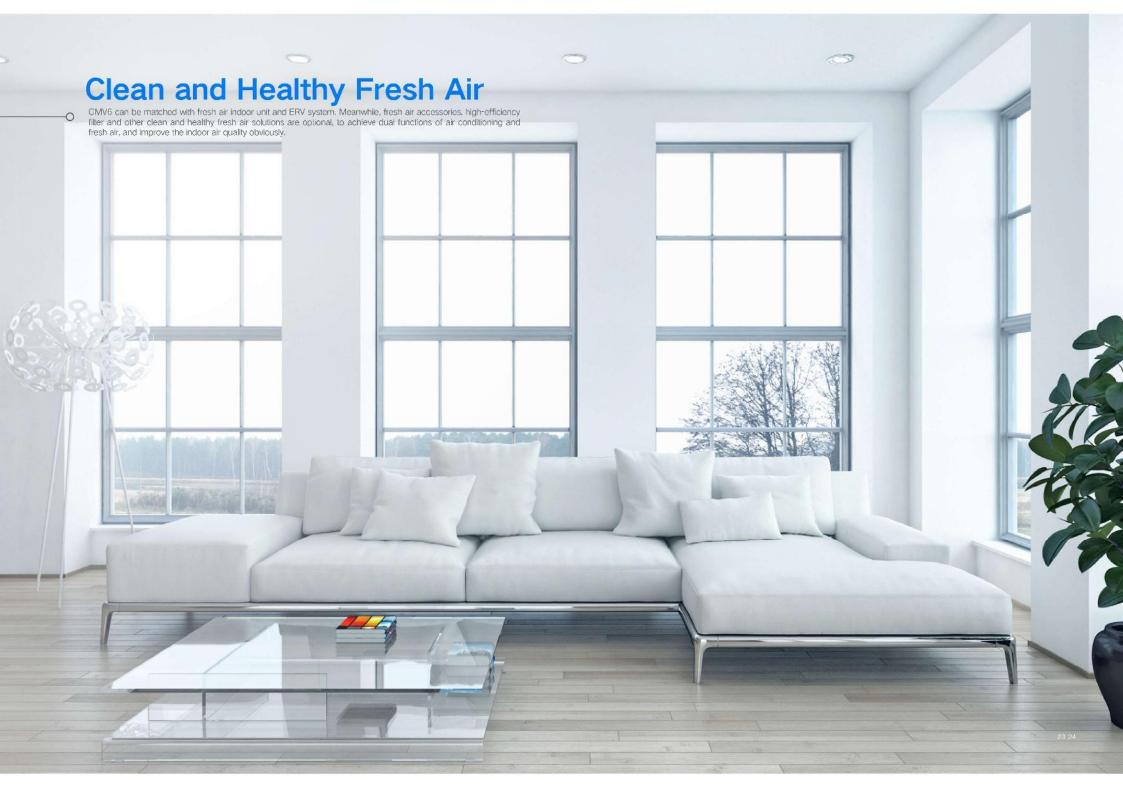


Prepaid Automatic Withholding Mode

Prepaid automatic withholding mode is provided to satisfy the demands for lending of apartment and shops to prevent loss of lesser.

Export accountant bill, energy consumption report and energy-saving strategy push.

Data cloud backup, which can resume the engineering data and electricity data quickly.



# Clean and Healthy Fresh Air

#### Fresh Air System

Fresh air system satisfies multiple indoor fresh air supply demands.

Less investment: Combine air conditioning system and fresh air ventilation system, undertake partial fresh air load and reduce the initial investment of air conditioning equipment.

Less operating cost: By adopting DC inverter technology, output of refrigerant can be adjusted according to actual situation, ensuring stable air supply and avoiding small load and large power.

Less installation space: Indoor unit links with VRF fresh air indoor unit, reducing outdoor installation space.



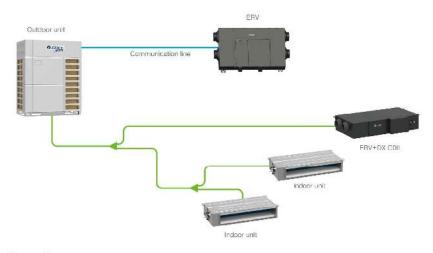
#### Fresh Air Accessory

The cassette type unit can work with fresh air accessories to efficiently introduce 8%~10% outdoor fresh air.



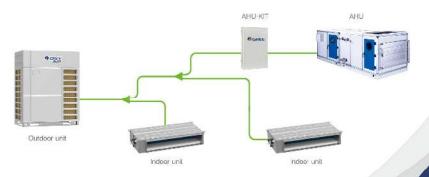
#### **ERV System**

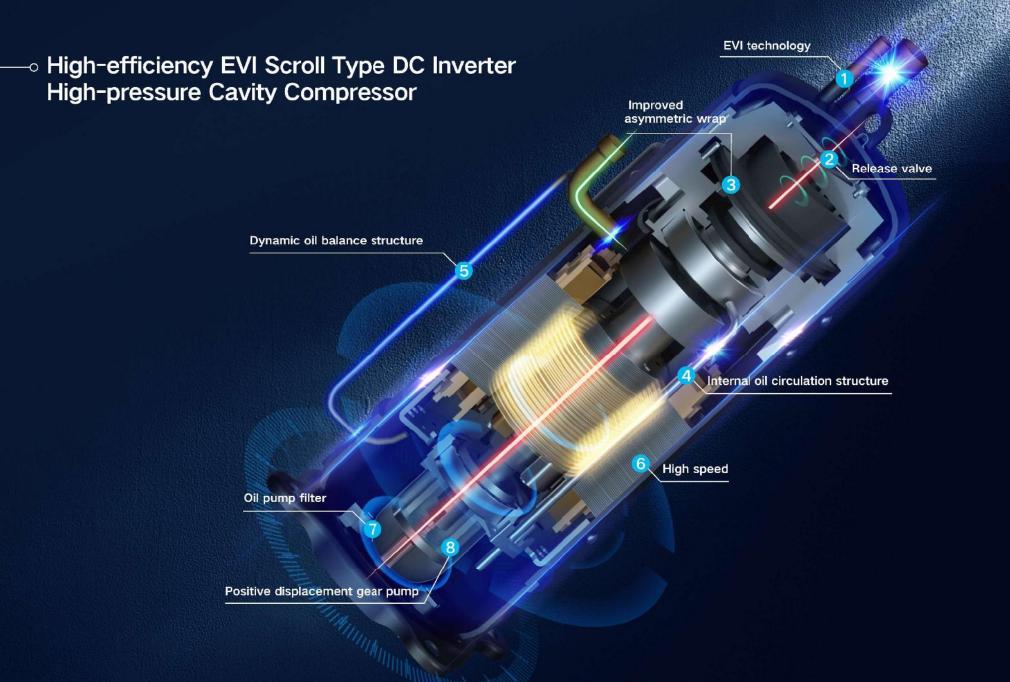
GMV6 system can connect to ERV and ERV+DX COIL, which can realize air conditioning with fresh air ventilation.



#### Clean System

Gree direct-expansion air handling unit can be connected to Gree VRF system, so that the air handling unit is with the functions of VRF system and can meet the cooling/heating requirement in large-scale spaces. This air handling unit can be equipped with purification devices with various filter grade for meeting the purification requirements of different occasions.

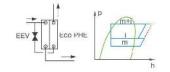




# High-efficiency Enthalpy Control Technology

#### High-efficiency Enthalpy Compressor

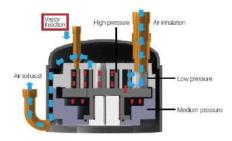
High-efficiency enthalpy compressor is developed according to the features of VRF unit, its 0-420Hz adjusting range can perfectly match with the whole unit; so as to excel the performance to the greatest extent.



#### High-efficiency EVI Scroll Type DC Inverter High-pressure Cavity Compressor

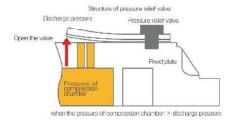
#### ① EVI Technology

Reinforce system capacity, widen operating range and accelerate heating.



#### 2 Release valve

Improving partial load energy efficiency, adapting to the condition of variable pressure ratio and upgrading compressor performance.



#### ③ Improved asymmetric wrap

New asymmetric wrap is adopted and compressor efficiency is improved by reducing leakage and invalid suction superheat.

#### (5) Dynamic oil balance structure

Advanced oil balance technology, with high reliability and flexible design without installation limit, which can realize parallel connection of compressors with different delivery capacity and revolving speed.

#### 7 Oil pump filter

Filtrate the impurities to ensure the supplied oil is clean.

#### 4 Internal oil circulation structure

Internal circulation of lubricating oil to reduce over-heat losses and oil discharge rate and to improve efficiency and reliability.

#### 6 High speed

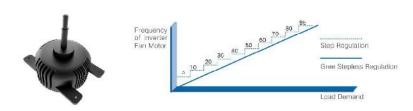
0~420Hz stepless inverter operation, wide adjustment range of capacity and precision can be up to 1 Hz.

#### 8 Positive displacement gear pump

Ensure necessary oil supply under the revolving speed to improve the reliability of compressor.

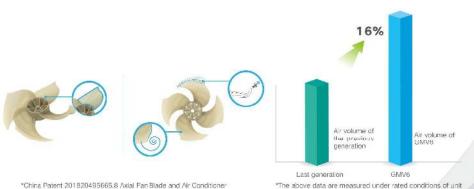
#### Sensorless DC Inverter Fan Motor

Adopt the DC inverter motor with high back electromotive force to realize stepless speed adjustment within 5~85Hz, the precision is 1Hz, with low operating current, low motor input power, and high efficiency.



#### Large Air Volume and Low Noise Air Duct

"Reverse-S shape" tail design can effectively increase the working area of fan blade, greatly improving the air volume. The blade tail adopts winglet design of the aircraft to effectively suppress the blade tip vortex caused by the pressure difference of wing tip and reduce the noise.



\*Applicable for some models

# High-efficiency Heat Exchanger Design ─

#### G-shape Integrated Heat Exchanger

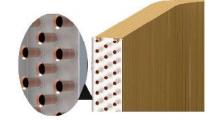


Molded at one time, the G shape integrated heat exchanger can improve space utilization and increase heat exchanger area and heat exchange efficiency.

\*Note: Applicable for some models.

#### Multi-row Small Diameter Design

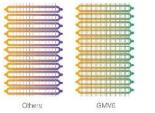
The refrigerant pipe adopts  $\phi$  7mm and 3-row design, which can reduce the flowing resistance of refrigerant inside the pipe and effectively increase the heat exchange area of refrigerant, so as to optimize and improve the heat exchange efficiency.

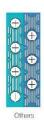


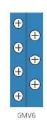
\*Note: Applicable for some models.

#### Small Pitch Corrugated Heat Exchanger Fins

Small pitch corrugated fins are used to increase the effective area between fins and the air, for more sufficient heat exchange of refrigerant and higher heat exchange efficiency.







#### Internal Screw Thread Design of Copper Tube

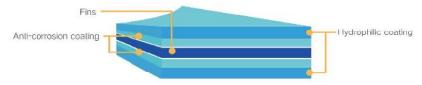
The refrigerant pipe adopts internal screw thread design to increase the contact area with the refrigerant, optimize the turbulent state of refrigerant flow and improve the heat exchange efficiency.



Internal screw thread high-efficiency heat exchange tube

#### Multi-functional Heat Exchanger Fins

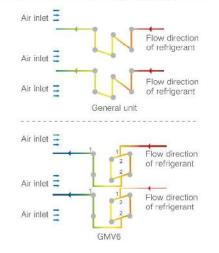
The heat exchanger fins adopt double-sided double-effect coating and hydrophilic membrane design so that the unit is not easy to get frosted and the condensate water or water from defrosting can flow down more quickly; the anti-corrosion coating isolates the pollutants and dust from air to protect the fins, with stronger corrosion resistance and better heat exchange effect.

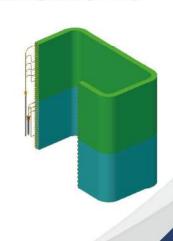


Double coating heat exchange fins structure

#### Divisional Heat Exchange Flow Path

According to the feature of wind field, the flow path of heat exchanger adopts divisional design for more reasonable flow division. Design according to 1-2-2-1 flow path for higher exchange efficiency.





# Multiple Energy-saving Modes

With the deepening of energy conservation and emission reduction, and the increasing requirements for urban electricity consumption, especially during the peak season of electricity consumption in summer, many cities will issue corresponding electricity curaliment measures. GMV6 has a variety of operating modes for users to choose, to meet the city's peak power consumption and power limit requirements.

#### Capacity Priority Mode

When the power supply is sufficient, it will satisfy the using capacity demand in priority. This mode is default mode.

#### Auto Energy-saving Mode

When this mode is activated, the system will automatically adjust the control parameters according to operating status, and automatically balance the capacity and energy consumption to realize the minimization of bilateral impact.

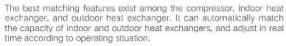
#### Compulsory Energy-saving Mode

Compulsorily limit the output of outdoor unit to satisfy the using capacity demand in priority. 90% and 80% capacity proportion can be selected to limit the output according to the power consumption of unit and user demand.



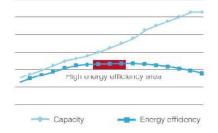
# HPAC High-efficiency Alternate Control -

GMV6 adopts high-efficiency alternate control method to intelligently adjust the distributing method according to the demand of indoor load, which has ensured the service life of the integrated module, and improved the overall operating energy efficiency at the same time.



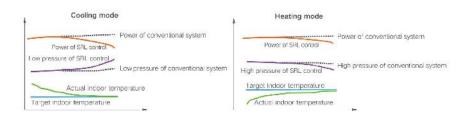






# SRL(Self-reaction Load)Self-adaptive Control

SRL (Self-reaction Load) can intelligently detect and control pressure and temperature of system refrigerant according to user status and indoor temperature variation, so as to automatically adapt to indoor cold/heat load balance control of energy conservation.



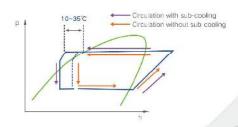
# Variable Sub-cooling Design

With new generation of high-efficiency plate type sub-cooler and variable super-cooling degree control method, the maximum sub-cooling degree can reach 35°C, the unit's operation and engineering matching are greatly improved, and the effect is more obvious.

Problems with fixed sub-cooling and excessive sub-cooling:

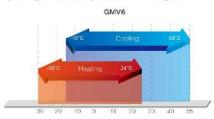
With fixed sub-cooling degree, output of the unit cannot adapt to changes in load. When the system conducts excessive sub-cooling, performance of the whole unit is reduced, degree of superheat for the exhaust of compressor is insufficient, and the reliability is reduced

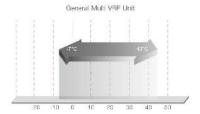




# Wide Operation Range •

-30°C-55°C stable operation to provide users with comfortable environment in both cold and hot weather, operating ambient temperature for cooling can be as low as -15°C.





#### Note

 The maximum operating temperature in cooling is 55°C while the minimum operating temperature in heating is -30°C. As different series have different operating ranges, please refer to the corresponding technical information.

 Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is 5°C.

# Integrated Mainboard

Adopt miniaturized design and new high-efficiency process to reduce the area of main board by 40% and the occupied space, increase the power density of inverter, and realize the diversification of functions.

#### Intelligent Design

Low power consumption control, auto address allocation, auto commissioning, error memory and inquiry;

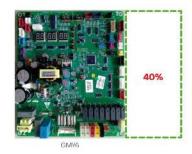
#### High Reliability Design

It is designed with wide voltage protection, default phase protection, overload protection, anti-surge protection, anti-static protection and so on. Together with advanced moisture-proof, dust-proof and anti-corrosion design, the system is more stable and reliable.

#### Advanced Production and Inspection Technology

The controller mainboard undergoes a series of strict production inspection processes such as SMT processing—AOI optical inspection—ICT online inspection—FCI functional test—DCT test and vibration and stress test. The rigorous manufacturing and inspection process ensure that the control mainboard can withstand high temperature and high humidity, abrasion and drop and other harsh environments.





# Integrated High-efficiency Heat - Dissipation Electric Controller

Main body of electric box is made of 6063T5 aluminum alloy material with high thermal conductivity (the heat dissipation capacity is 4.5 times that of conventional steel plates). The integrated structure design reduces the overall volume by 35%, Installation and maintenance are more convenient.





Thermal conductivity of material
250
200
150
100
50
0
Steel 8063 type aluminum alley

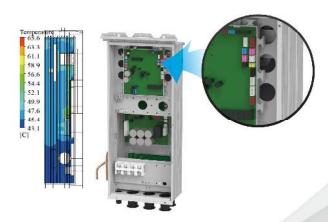
Other (sheet metal structure)

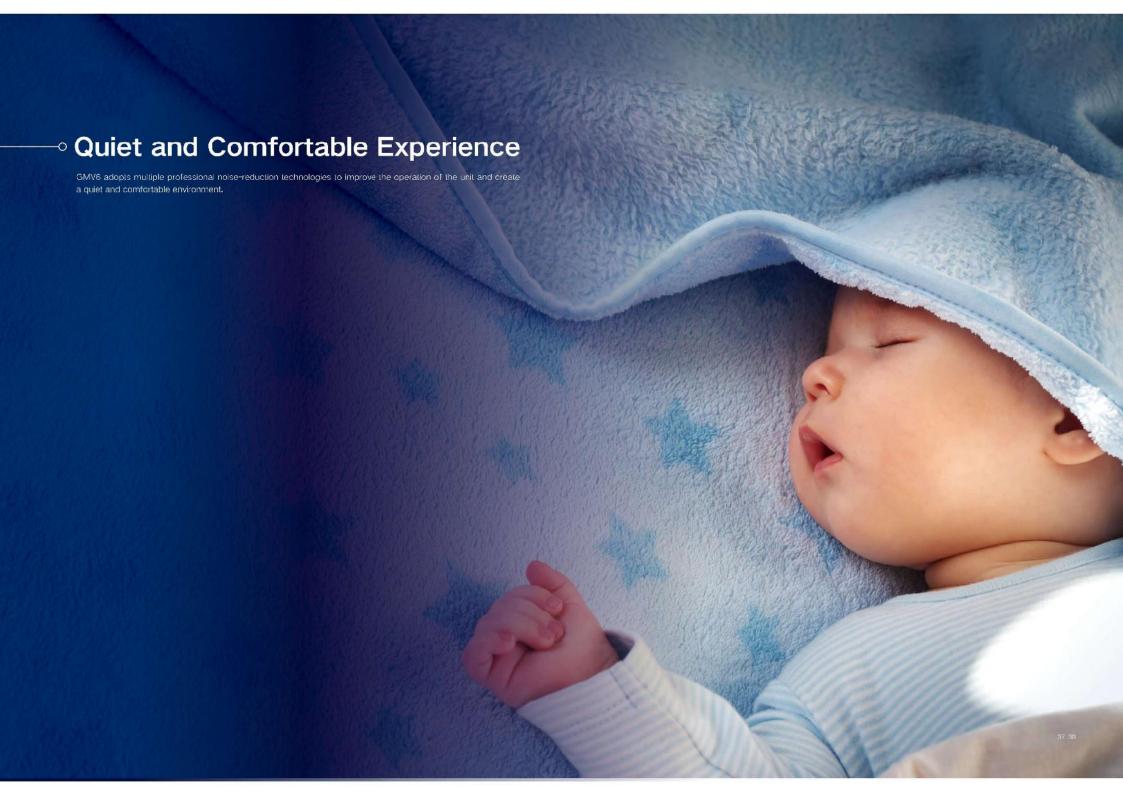
Note: Aluminum control box is not applicable for GMV6(GMV-\*\*WM/G-F).

GMV6(Aluminum alloy)

\*Chinese Patent for Utility Model No. ZL2C1720497732.5 Outdoor unit. Electric Box and its Box Subsssembly of Air Conditioner.

The main body of electric box adopts refrigerant for heat dissipation, cooperates with high thermal conductivity aluminum alloy material, and uses thermal simulation design to optimize the layout of inverter power components, thus reducing the internal temperature of inverter electric box by about 8°C, and improving the reliability of inverter components of large-capacity inverter compressor.





# Multiple Professional Noise Reduction Technologies

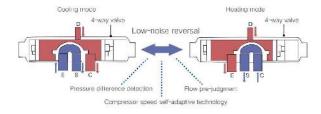
2 New Streamline Grill and Immersed Layout Air The general air duct system of unit goes down to form ① Large Air Volume and Low Noise Fan Blade an immersed layout, which can effectively reduce the Reverse S-shape tail design and aircraft winglet 4-blade design to achieve large air volume and low (4) Pipeline Simulation Shock Absorption 3 Intelligent Noise Reduction Converter Pipeline is designed based on ANSYS to effectively IGBT adopts exciting voltage and control carrier reduce the vibration of pipes. frequency switching technology to actively reduce electromagnetic noise. 7 Quiet Gas-liquid Separator It is a special low-noise and large-capacity gas liquid separator. The shape and angle of the gas-in and gas-(5) Quiet Throttling Component out tubes are specially designed to reduce noise. The quiet expansion valve with special structural design meets the needs of pressure-reducing flow distribution and can minimize the throttle noise. ® Sound Absorption and Sound Insulation Design of Adopt compound material with high sound absorption and insulation effect to reduce the noise of compressor effectively. 6 Enthalpy-adding Pulsation Noise Reduction Design a special buffer to reduce the impact noise of refrigerant pulsation on the pipeline when spraying enthalpy by 90%. Sound absorption material Metal sound insulation cover

\*Configuration of some models

# Low-noise Operating Technology ~

#### Low-noise Reversing Control Technology

The 4-way valve adopts low-frequency reversing design. Through the detection of reversing pressure difference and the prediction of flow, the compressor speed is adjusted accordingly during reversing, for small pulsation of refrigerant flow and effective noise reduction. The reversing control technology can not only improve the reliability of the 4-way valve action but also improve the comfort degree of the unit.



#### Refrigerant Flow Noise Reduction Technology

GMV6 adopts three refrigerant flow noise reduction technologies for overall control to further improve the operation. The gas-liquid two-phase refrigerant encounters throttling parts or elbows and abrupt cross-sectional areas of the flow channel during the flow process, turbulence will increase due to pressure changes and vortex shedding, cavitation noise and vortex noise are easily generated in the pipeline, and the abnormal sound of the noise will accelerate and deteriorate with the increase of the two-phase status.

#### Refrigerant Status Control

According to the mechanism of refrigerant flow noise, high efficiency sub cooling and sub heating technologies are used in cooling and heating operation to fundamentally control the single-phase state of the refrigerant in the flow process.



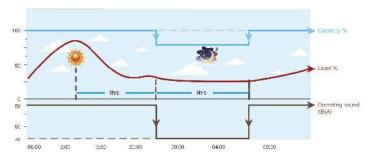


# **Quiet Technology**

#### 13 Quiet Modes

#### Night Quiet Function

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. For example, the unit can automatically enter night mode after working for 8 hours, and resume to normal operating mode after 9 hours.



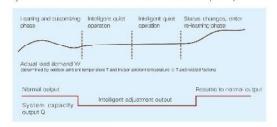
#### Mandatory Quiet Function

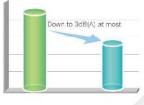
When the unit is installed in an environment with high noise requirements, it needs to operate silently during the day or night. Then you can choose three mandatory settings of quiet modes to ensure that the unit operates in low noise mode at any time, and the noise value can be as low as 40dB (A).



#### Intelligent Quiet Function

The unit can learn and customize user habits, and at the same time memorize the characteristics of user's habits. According to the user's using habit and actual load, it can automatically determine the output capacity of the system in the next 24 hours to achieve automatic quiet operation.



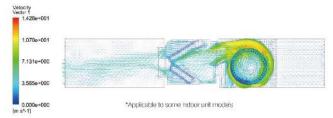


<sup>\*</sup> Internal measurement value.

#### Indoor Unit Quiet Technology

#### Indoor Quiet Air Duct Design

Heat exchanger of indoor unit adopts V-shape design for even and smooth air flow to create a quiet and comfortable environment.



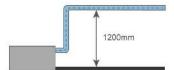
#### 7 Fan Speeds for Selection

The indoor unit has 6 fan speeds (super high, high, medium and high, medium, medium and low, low) and auto fan speed for selection to satisfy different user demands.



#### Low-noise High Delivery Lift Water Pump Design

The indoor unit is equipped with a quiet water pump with delivery lift up to 1200mm, solving the drain problem of unit in low floors, with high engineering adaptability.



#### DC Motor Design

The indoor unit of GMV6 adopts DC motor design to realize stepless adjustment of revolving speed for lower noise operation. Auto quiet mode of indoor unit can be set via the wired controller and the unit will activate auto quiet function according to indoor temperature and the activity of occupants. Noise is as low as 22dB(A).



# Stable and Reliable Operation

GMV6 adopts CAN+ communication, multiple oil circuits control and other technologies, which greatly improve the stability and reliability of the unit.

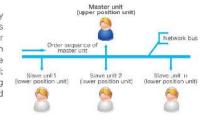


# **CAN+ Communication Technology** •

#### Current Situation for Communication Technology of Multi VRF Unit Industry

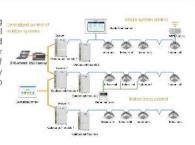
In the field of commercial VRF, as the installed capacity of the system increases, the number of connected indoor units also increases. Thus, the multi-system integrated control requires a highly stable communication network.

The current air conditioning communication technology adopts master-slave polling mechanism, which has the technical bottlenecks with low reliability, poor real time performance, and poor extendibility, which restrict the development of intelligence; slow response of centralized control and low efficiency of control; communication is susceptible to interference, resulting in abnormal operation; expansion of functions and number of nodes are difficult.



#### Innovative Stratification CAN+ Structure with Multiple Master Networks

Considering that the application of an air conditioning system requires multiple nodes, multistep control and intelligent expansion, we originally developed the stratification CAN+ structure with multiple master networks, which makes it possible for the number of nodes in a single system to be increased relatively by 56% and the response time for centralized control to be shortened by hundreds of times.

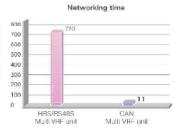


	Technical Effect	CAN+ Network Structure	Traditional Network Structure		
	Communication cycle of single system	<500ms	Apout 5s		
Real-time capability of interaction	Preferential response	Microseconds	Seconds		
	Centralized control response time	6s:	1 Orrvire		
Reliability of Interaction	Error isolation	Automatic	No		
	mpact of node malfunction	Notirely on any node	Totally rely on master unit		
	Sub-ne; scale	80 (it should be customized if over 80, 100 sets can be customized at most)	64		
Expansibility	Intelligent equipment	Free access	Require bridge connection		

#### First Formulated CAN+ Communication Protocol

It is the first time to formulate and standardize CAN+ communication protocol: two-stage network universal design, data can be directly transferred; functional code, network address, data field and related core concepts are developed, realizing grading, classification and real-time transfer of communication data, satisfying the demand of intelligent expansion.

Full network automatic address allocation technology: the protocol supports dynamic IP automatic allocation and full network addresses automatic offset, which realizes large-scale air conditioning network automatic networking without commissioning. The networking time is relatively shortened by more than 60 times, ensuring fast network distribution and free access to multiple online devices.



#### The First Nonpolarity CAN+ Communication Chip

#### Good Expansibility

- Instant use: new device can be accessed freely, with flexible engineering configuration;
- Centralized control: two-stage CAN+ communication network structure, no bridge device is needed between the systems, and the centralized control equipment can control up to 16 systems.

#### High-efficiency and Reliable

- Innovatively integrate the air conditioning control business with the bus arbitration mechanism to achieve second-level response of large centralized control system;
- · With fault isolation function, the faulty node quits actively, and the network is not affected by the faulty node.

#### Convenient Installation Commissioning

- With automatic addressing function, the system automatically assigns addresses without manual DIP switch setting and networking, saving time and effort;
- The interface adopts non-polar design. Engineering wiring does not need to consider the positive and negative poles, which is safe and reliable.

#### Honors

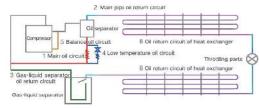
- In 2017, the project "Research and Application of CAN + Communication Technology Based on Multi VRF Unit" was accredited by the Chinese Association of Refrigeration and reached the "international leading" level;
- In 2018, the project "Research and Application of CAN + Communication Technology for Mult VRF Unit" won the Gold Medal at the 70th Nuremberg International Invention Exhibition in Germany;
- In 2018, the core patent of CAN | communication technology "Mult VNF Air Conditioning System ZL201410312939.1 won the Silver Award of China Invention Patent.

# Precise Oil Control for Stable Operation of Compressor

#### Oil Return Control Technology

#### Multiple Oil Circuits Management

Six oil circuits ensure smooth and reliable oil passage.



\*The above data is the test value of our company

#### Self-balancing Control Without Oil Balancing Tube

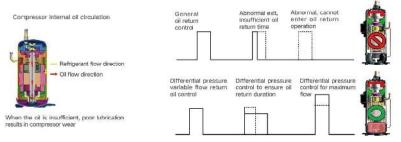
Advanced oil balancing control method, no external oil balancing pipeline is required between modules, and the installation is simple and fast. By collecting and calculating the capacity output and threshold conditions between each module, the distribution of refrigeration oil between the modules is automatically controlled to ensure stable operation of the system.



China Patent No. 201510307364.9 "Oil Balancing Control Method of Air Conditioning System"

#### Pressure Difference Type Variable Flow Oil Return Technology

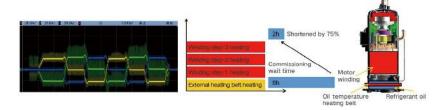
According to different operating conditions of the unit, on the premise of ensuring the reliability of the unit, the pressure difference control factor is introduced to conduct intelligent variable flow oil return operation according to the real-time operating parameters of the unit, to ensure the maximum return flow rate and duration, and to improve the reliability of unit again.



#### Double Heating Source Oil Temperature Control Technology

Under standby status, the compressor winding and external electric heating belt can independently or simultaneously conduct heating control of the refrigerant oil.

Variable control of motor winding heating power enables fast and safe start-up under different environmental conditions, and the preheating time is shortened from 8 hours to 2 hours.



#### **Backup Heating**

Under the condition that the external heating belt works abnormally in the GMV6 unit, the winding heating can also work normally to ensure the reliability of compressor.

Ordinary units only have external electric heating control. Once the electric heating is faulted, the probability of damage to the compressor is greatly increased.



# Self-adaptive Drive Technology

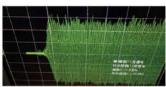
#### Variable Carrier Frequency Control Technology

According to the operating characteristics of compressor, the carrier frequency is automatically switched, and then high-frequency noise reduction and low-frequency loss reduction are realized, which can maximize the efficiency and reliability.



#### Strong Torque Start Control

No external balancing device is needed, and the compressor torque self-feedback and adjustment control are adopted. The compressor can be started during the system operation with a high pressure difference, effectively ensuring the continuity and stability of system operation.



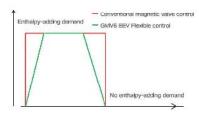
IN THE SECONDARY AND THE SECON

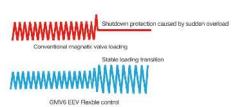
Conventional startup mode

GMV6 startup mode

#### Flexible Enthalpy Loading Control

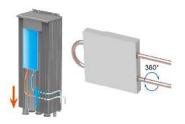
The general enthalpy-adding system adopts "0 ← 1" on-off method to switch between enthalpy-adding mode and non-enthalpy-adding mode. This will cause the compressor load to change drastically, which may lead to runaway and shutdown. In serious cases, the compressor may be damaged. The GMV6 unit uses the linear flow change feature of EEV to gradually increase the load during enthalpy-adding control to achieve flexible transition and ensure stable and continuous operation of the system.





#### Sub-cooling Module Cooling Technology

The compressor drive IPM high-power device adopts sub-cooling 360 ° ring-shaped heat dissipation structure module cooling technology to ensure that the internal components work under relatively low temperature conditions. Compared with ordinary air-cooled heat dissipation, the internal temperature can be reduced by up to 8°C, and reliability raised dramatically.



#### Anti-condensation Control Algorithm for High Humidity Environment

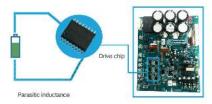
By detecting the ambient temperature, internal pressure and temperature of the tube, IPM temperature, etc., the anti-low temperature control algorithm for the high humidity environment is determined to prevent the condensation of internal components and avoid damage to the devices.



#### Anti-high Voltage Impact Technology

The greater the compressor capacity is, the greater the unit current will be, and influence of the parasitic inductance of the wiring will also increase; operating reliability of unit will decrease, and even the components will be damaged.

With high-voltage switch power supply and fully isolated drive technology, multiple output electromagnetic isolation is adopted to avoid mutual interference. The circuit protection function is synchronously isolated, and the desat setting can suppress transient peak current. Industrial-grade performance and high-power drive greatly improve safety and reliability.





# Indoor Unit Emergency Maintenance Function

When a certain indoor unit of the system needs to be powered down for maintenance, the indoor unit can be turned off separately, while other indoor units can maintain normal operation.



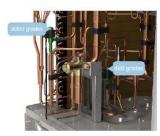
Note: There should be less than 3 indoor units that are powered off at the same time within the same cooling system.

# Multi-electronic Expansion Valve --Control Technology

Electronic expansion valve is one of the four basic components of the air conditioner. In addition to the throttling function, it can also adjust the refrigerant flow into the evaporator. The wider the adjustment range of the electronic expansion valve is, the higher the accuracy will be.

#### **Outdoor Unit**

The outdoor unit adopts double electronic expansion valves, the main electronic expansion valve is 3000 grade, and the subcooled electronic expansion valve is 480 grade, which can accurately control the flow between the modules of indoor unit and outdoor unit.

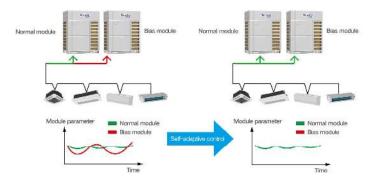


#### Indoor Unit

The quiet electronic expansion valve is used to accurately control the refrigerant flow, the adjustment is smooth and stable, and the comfort and reliability are improved.

# Modular Engineering Piping - Self-adaptive Control

During the modular design of a project, the outdoor unit detects the parameters of each module, the system self-defines the bias current module, and memorizes the operating characteristics of the bias current module. Each module automatically adjusts the control methods and control thresholds of key components according to the difference ir characteristics, and memorizes automatically to quickly reach a reliable and efficient operating state when it is restarted next time.



# New Generation Intelligent Alternate Control Technology

#### Variable Cycle Module Alternate Control

GMV6 adopts a new modular control method to ensure the service life of the complete unit and improve the overall operating performance.



X refers to the variable cycle

#### Compressor Alternate Control

As for the system control, not only the overall service life of the modular design is considered, when the module is designed for multiple compressors, the internal compressors will also conduct rotation control to balance the operating service life of each compressor.



\*Applicable to partial models

# Advanced Anti-liquid Impact Technology -

High-efficiency large-capacity gas-liquid separator design for effective separation of refrigerant in gas and liquid state, to avoid large amount of refrigerant be directly inhaled into the compressor. At the same time, the liquid return judgment is combined with the inhalation and exhaust temperature and other parameters. The compressor, EEV and other components are adjusted in real time to effectively prevent the compressor from liquid impact.



#### **Emergency Stop Function**

Without remote monitoring, the outdoor unit can be directly connected to the fire alarm linkage signal to stop the operation of the whole unit immediately in an emergency to avoid greater losses.



#### **VIP Function**

In high-end hotels and other occasions, when the diesel generator is used for power supply temporarily, the outdoor unit can directly connect different power identification signals and send a signal of insufficient power supply to the system. At this time, only rooms set as VIPs such as presidential suites are allowed to use the air conditioner, other rooms are forbidden to use the air conditioner.



#### Diversified Backup Operation -

#### Basic module emergency function

GMV6 can achieve a combination of four independent units. Each unit is a basic module. When a certain basic module is malfunctioning, other basic modules can achieve emergency operation, which reduces the influence of malfunction.



#### Fan emergency function

Some basic modules are designed with two tans. Gree control logic and optimized system design can ensure that when one of the fans is malfunctioning, the unit can still operate with the other fan. which reduces the influence to users due to sudden stoppage.



#### Compressor emergency function

For a basic module with two or more compressors, when one of the compressors is malfunctioning, the unit can still operate with other compressors, which reduces the influence of malfunction.



#### Sensor malfunction emergency function

The application field of VRF systems is complicated. When a temperature sensor malfunction occurs to the unit, the unit will enter back-up mode, which minimizes the influence of malfunction.



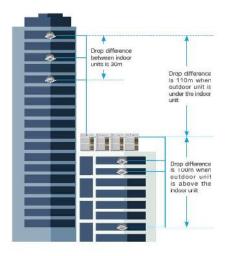


# → Flexible Engineering Design

Ultra-long connection pipe, convenient maintenance and other designs are adopted. The engineering adaptability of the unit is strong, which satisfies various engineering demands.

# Super Long Refrigerant Pipe Design -

GMV6 combines high drop pressure control technology, indoor unit drop identification technology, intermediate pressure adjustment technology, tube length self-correction technology, and deep sub-cooling technology to increase the length of piping and improve the air conditioning effect.



- The maximum actual single pipe length is 200m, the maximum equivalent single pipe length is 240m, and the maximum piping length is 1,000m.
- The maximum length after the first branch pipe is 120m \*.
- •The maximum drop of indoor and outdoor units is 110m \* (100m when the outdoor unit is in upper position) \*.
- The maximum drop between indoor units is 30m.

"Please consult technical staff for details."

# **High Static Pressure Design**

New diversion cover: Effectively coupled with fan blades, the flow field is more uniform.

New diversion cover: effectively coupled with fan blades to make the flow distribution more uniform.

High external static pressure design facilitates engineering application and mechanical floor design.

The air-out grille with vortex streamline distribution, less wind resistance.

High-efficiency motor, powerful output and highest static pressure up to 110Pa (ex-factory standard).



# **Intelligent Commissioning**

#### Quick Installation

- Automatic address allocation: the system automatically allocates addresses to the indoor units, no DIP switch is required for commissioning, which is convenient.
- Five-side outlet pipes connection method: pipes can be lead out from five sides--front side, left and right sides, back and lower sides, which is suitable for various installation occasions.
- No external oil balancing pipe: advanced oil balancing control, no need to connect external oil balancing pipe, for fast and convenient installation and higher efficiency.
- Highly versatile design: GMV6 and GMV5 are universal for indoor and outdoor mounting holes, universal for supporting terminal controllers, and universal for commissioning.

#### Efficient Multiple Commissioning Methods

Diversified commissioning methods to meet different needs of project for higher commissioning efficiency.



One button commissioning One button to enter commissioning no other operations, simple and fast



GMV commissioning system Clear interface, detailed data, and more professional analysis



Multi-functional debugger Quick connection, no special PC required; data storage space (4GB), no external expanse mounted

#### Debugging before Installing Wired Controller

Before the completion of the project, in order to avoid damage to the wired controller during the construction process, the system can be debugged without installing the wired controller. After the entire project construction is completed, the wired controller can be installed and put in use, which can reduce unnecessary engineering loss.

# New Generation Refrigerant -Automatic Charging \*

The new-generation refrigerant automatic charging function can effectively monitor and judge the status of the refrigerant in the system by detecting the high and low pressure, ambient temperature, and other parameters of the system, and strive to achieve the amount of refrigerant that matches the project and improve the efficiency of unit installation and commissioning.





# New Generation Refrigerant® **Recovery Function**

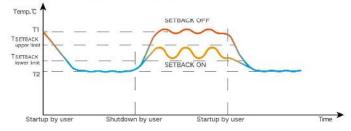
The new generation of indoor unit refrigerant recovery and module refrigerant recovery functions can effectively recover the refrigerant of the indoor unit or the faulted cutdoor unit during after-sales maintenance, reducing refrigerant waste and saving maintenance time.





SET BACK Function •

On occasions with high comfort requirements, such as star-rated hotels, high-end office areas, etc., the unit can start the SET BACK function, even if the unit is turned off, it can also automatically determine the indoor temperature and automatically start operation to ensure the required temperature control under unmanned state, improving the comfort of use.



\*Applicable to XK79 wired controller

# Efficiently Maintained Structural Layout -

GMV6 integrated electronic control layout, with reserved maintenance space for higher maintenance efficiency.



Commissioning window, no need to remove the panel, you can conduct commissioning and troubleshooting during operation.

The electronic control components are highly integrated. the component structure is miniaturized, and there is more space for maintenance.

Front-mounted valve assembly design, fast and reliable piping installation.





Large space for convenient maintenance

# **Four Seasons Operating Function**

Without additional accessories, operation mode of the whole unit can be set through the outdoor unit to achieve centralized management and reduce energy waste.





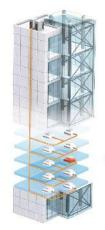


Transition season lock: air supply is effective



Winter lock: heating is effective

# **Indoor Unit Automatic Positioning Function**



When multiple indoor units are installed in large spaces such as exhibition halls, conference rooms, offices, etc., the indoor unit can conduct automatic positioning, the corresponding indoor unit buzzer can automatically respond, and the indoor unit can be quickly positioned by sound to achieve efficient maintenance.

Abnormal unit alarms for positioning

# Panel Lifting Function •

Ordinary panel cleaning requires the hiring of professionals to clean, and the use of auxiliary tools is required for the operation, which has high maintenance cost and low safety.

#### Automatic Grille Lifting Technology

Convenient Cleaning Function

Air-in grille adopts two-way suspension lifting technology to realize grille lifting function. Users can clean the filter by themselves.

Grille Lifting Control

Through suspension self-locking technology, two modes — stepless lifting and default lifting are realized, and the maximum descending distance can reach 3.3 meters.



In order to prevent users from entering the cleaning mode by mistake, symmetric encryption technology is adopted to give users a better and comfortable experience.

Note: It needs to be customized, and it can be used with 360 ° air discharge cassette type indoor unit.







### GMV6 (380-415V 3N~50/60Hz)

Mo	idel		GMV-224WM/H-X	GMV-280WM/H-X	GMV-335WM/H-X	GMV-400WM/H-X
Capacity range		H8:	8	10	12	14
Cooling capacity	Rated*	kW	22,4	28.0	33,5	40.0
County capacity.	Max	kW	22.4	28.0	33,5	40.0
t no description	Rated *	kW.	22.4	28.0	33.5	40.0
Healing capacity	Max.	kW	25.0	31.5	37.5	45.0
0000	Ducled *		7.10	6.59	6.31	5.68
SEER	Cassette *	383	7.80	6.26	6.58	6.66
Bucted *			4.62	4,80	4.40	4.80
SCOP Cassette		- 4.50		4.75	4.66	4.44
Power supply		V/Pt/Hz		360 415V 3N	~ 50/60Hz	
Min. circuit/Max, fuse current		A	23.0/26	23.5/25	24,1/26	37,5740
Maximum drive IDU N3	).	ucit	13	16	19	23
Refrigerant charge vol.	me .	Кр	5.5	5.5	7.5	7.5
Sound pressure lave to	cooling)	dB(A)	56	97	59	59
Sound power	Ducted *	dB(A)	80	84	65	90
level (cooling)	Cassette *	dB(A)	82	85	85	88
Connecting pipe	Liquid	000	Ø 9.52	G-9.02	912.7	0.12.7
examenned bytes	Gas	mm	Ф19.06	Φ22.2	Ø25.4	Ф25.4
Dimension(W×D×H)	Outtre	mm	930×775×1690	930×775×1690	930×775×1690	1340×775×1690
Difficientify & DATE	Package	mm	1000×830×1855	1000 × 830 × 1655	1000 × 830 × 1855	1400×830×1855
Net weight/Grass weig	N:	RO	220/230	220/230	240/250	300/315
	20' GP	unit	12	1.2	12	10
Leading quantity	40" GP	unit	28	28	28	22
	40' HQ	unit	28	28	28	22

10	odel		GMV-450WM/H-X	GMV-504WM/H-X	GMV-560WM/H-X	GMV-615WM/H-X
Capacity range		HP)	16	18	20	22
	Rated *	KW	45.0	50.4	52,0	52.0
Cooling capacity	Max.	kW	45.0	50.4	56.0	56.0
name of the state of	Rated *	kW.	45.0	50.4	36.0	51.5
Heating capacity	Max.	kW	50,0	56,5	63,0	69.0
SEER	Dusted *	620	6.17	6.06	6.07	6.07
allin	Cassette *	898	5.34	5.06	5.67	5.67
Ducted *			4.84	4.19	4,11	4,11
SCOP Casselle *		1111	4.44	3.71	3.71	3.71
Fower supply V		WPMIIz		380 41 SV 38	4 - 50/00 lz	
Min. circult/Max. fuse current		Λ	39.3/40	47,0/50	48,0/50	49.0/50
Maximum drive IDU N	Ú.	noit	26	29	33	36
Refrigerant charge vol	ume	Kg	7.5	8.3	8.3	8.3
Sound pressure level (	cooling)	dB(A)	60	51	62	63
Sound power	Ducted *	dB(A)	93	93	93	93
level (cooling)	Cassette *	dB(A)	93	55	94	94
Connecting pipe	Liquid	mm	Ø.12.7	O15.9	Ø15.9	Ø15.9
Comecong pipe	Gas	mm	©28,6	Ф28,6	Φ28.6	Ф28,6
Dimension(W×D×H)	Cutina	mm	1340×775×1590	1340 × 775 × 1690	1340 < 775 × 1690	.1340×775×1690
Dimensio(Wes Decil	Package	mm	1400 × 830 × 1855	1400 = 830 × 1855	1400×830×1855	1400 = 830 = 1855
Nes weight/Grass weic	rht.	RO	300/315	350/355	050/365	355/370
	20' GP	unit.	10	10	10	10
Loading quantity	40' GP	unit	22	22	22	22
	40' HQ	unit	22	22	22	22

Note: The data is Eurovent certified.





## ▼ GMV6 Anti-corrosion Series (380-415V 3N~50/60Hz)

Me	del		GMV-224WM/H1-X	GMV-280WM/H1-X	GMV-335WM/H1-X	GMV-400WM/H1-X
Capacity range		HP	8	10	12	14
	Rated *	KW	22.4	28.0	33.5	40.0
Cooling capacity	Max	XW	22.4	28.0	33.5	40.0
	Rated *	KW.	22.4	28.0	33.5	40,0
Heating capacity	Max	KW.	25/0	31.5	37.5	45.0
0000	Ducted *		7.10	6.59	6.31	6.68
SEER	Cassette *	81	7.80	6.26	6.58	6.66
Sone Ducted		50	4.62	4.80	4.40	4.80
SCOP Cassette *			4.50	4.75	4.66	4.44
Power supply		V/Ph/Hz		380 415V 3N	~ 50/60Hz	
Min. circuit/Max. fuse current		A	28/0/25	23,5/26	24.1/25	37.5/40
Maximum drive (D.J. N.)	5.	unit	13	16	19	23
Refrigerant charge volu	ime	kg	5.9	5.5	7,6	7.5
Sound pressure level (	coolingi	dB(A)	66	57 59		59
Sound power	Ducted *	dB(A)	80	84	86	90
level (acoring)	Cassette *	dB(A)	82	86	86	88
Connecting pipe	Liquid	inn	◆9.52	1F9.52	4.12.7	912.7
connecting caps	Gas	mm	Φ19.05	Ф22.2	Ф25/4	Ø 25,4
Dimension(W×D×H)	Cutine	mm	930 × 775 × 1690	930×775×1590	930 × 775 × 1690	1340×775×1590
Dimersion(W×D×D)	Package	.999	1000×830×1855	1000 × 830 × 1855	1000 × 830 × 1855	1400 × 830 × 1855
Net weight/Gross weig	ht	ka	220/230	220/230	240/250	300/315
	20' GP	unit	12	12	12	10
Loading quantity	40' GP	unt	28	28	28	22
	40" HQ	unit	28	28	28	22

M	odel		GMV-450WM/H1-X	GMV-504WM/H1-X	GMV-560WM/H1 X	GMV-615WM/H1-X	
Capacity range		HP.	16	18	20	22	
Carter access	Paled *	XW	45.0	50.4	52.0	52.0	
Cooling capacity	Max	889	45.0	50.4	56.0	61.5	
rrouges and a	Fated *	XW.	45.0	50.4	56.0	55.0	
Heating capacity	Max.	WK	50.0	58.5	63.0	69.0	
nere a	Ducted *	2.	6.17	8.06	5.97	5.97	
SEER	Cassein *		6.34	93.9	5.67	5.67	
0000	Ducted *	- 81	4.84	1.19	4.11	6,11	
SCOP Cassette *		-	4.44	3.71	3.71	3.71	
Power supply		WPh/Hz		330 4157 3	N - GD/GDI Iz		
Min. circuit/Max. fuse	current	A	39.3/40	47.0/90	48.0/50	49.0750	
Maximum drive IDU N	10:	unit	26	29	33	36	
Refrigerant charge vol	lume:	kg	7.5	8.3	B.3	8,3	
Sound pressure level :	(golloca)	HB(A)	60	61	61 62		
Sound power	Ducted *	dB(A)	93	93	93	93	
level (ccoling)	Cassette *	dB(A)	93	88	94	94	
	Liquid	mm	012.7	Ø15,9	015.9	0/15.9	
Connecting pipe	Gas	mm	D28.6	Ø 28.6	0.28.6	Φ28.6	
	Ourine.	inin	1340×775×1690	1340×775×1890	1340×775×1690	1340 × 775 × 1690	
Dimension(W×D×H)	Package	mm	1400×830×1855	1400×830×1855	1400 × 830 × 1555	1400 × 830 × 1855	
Net weight/Gross weld	gint	ko	300/315	350/365	360v366	366/370	
	20' GP	ant	10	10	10	10	
Loading quantity	40' GP	unic	22	22	22	22	
	40' HO	unit	22	22	22	22	

Note: The data is Eurovent certified.

# CB 😉

## **▼** GMV6 (380-415V 3N~50/60Hz)

	Model		GMV-224WM/G-X	GMV-280WM/G-X	GMV-335WM/G-X	GMV-400WM/G-X	GMV-450WM/G-)	
"Anacity range		HP	я	10	12	14	16	
Dapacity	Cooling	kW	22.4 28.0		33.5	40.0	45.0	
ananay	Heating	KW.	25.0	31.5	37.5	45.0	50.0	
ER		WW	4.78	4.62	4.35	4,35	4.17	
DOP.		WW	5.50	5.34	4.81	4.74	4.67	
Priver supply		V/Ph/Hz			380-415V3N-50/60Hz			
Min. dircuit/Max. fuse current		A	23,0/26	23.5/25	24,1725	32.5/40	33,5/40	
Adverconsumption	Cooling kW		4.69	6.20	7,70	9.20	10.80	
TOWN CONSUMBLEM	Heating		4,56	5.90	7.80	9.50	10.70	
decrum dive DU	VO.	unit	13	16	19	23	26	
Refrigerant charge vi	niume	kg	5.6	5,6	5.7	7.0	7.6	
Sound pressure level		dB(A)	56	57	59	69	69	
Connecting pipe	Liquid	mm	Q9.52	Ф9.52	Ø12.7	Φ12./	#32.7	
2011/00/01/20 Sipe	Gas	mm	Ø19,06	Φ22.2	@25.4	Φ25.4	Φ28.6	
Imension	Oulline	am	930×775×1890	930×775×1690	930×775×1690	1340×775×1690	1340×775×1690	
(W×O×H)	Package	mm	1000 - 830 - 1866	1000 - 930 - 1866	1000 - 830 - 1866	1400 - 830 - 1866	1400 ~ 830 ~ 1366	
Vat weight/Gross we	ight.	kg	215/226	215/225	220/230	290/305	290/305	
a partie to as constitu	40' GP	unit	.28	28	28	22	22	
Leading quantity	407 HQ	unit	28	28	28	22	22	

	Model		GMV-584WM/G-X	GMV-560WM/G-X	GMV-615WM/G-X	GMV-680WM/G-X	
Capacity range		HP:	18	20	22	24	
Capacity	Cooling	WW	50.4	56,0	61.5	66.0	
Celberolty	Heating	kW.	56.5	63,0	69.0	76.5	
EER		WW	4.10	4.06	3.80	3.32	
COP		WW	4.38	434	4.68	3.81	
Power supply		V/Ph/Hz		380 415V 3	IN- 50/60Hz		
Min. circuit/Max. fuse	ourreot	76	47.0/50	48.0/50	49.0/50	49.0/50	
Power consumption	Cooling	kW	12.30	13.60	16.20	20,50	
PORCH CLASSIFICACE)	Healing	kW	12.90	14.52	16.90	20.10	
Maximum drive IDU1	NO.	unit	29	33	35	30	
Refrigerant charge v	olume	kg	8.0	8.0	8.0 6.3		
Sound pressure level		dB(A)	61	62	63	64	
Connecting pipe	Liquid	mm	Φ15.9	Ø15,9	0:15.9	Ф15.9	
CO-110CUT () (SIDE	Gas	mm	Ø 25.5	Ø 28.6	Ø 28.6	Ф26.6	
Dimension	Cutine	2920	1340 × 775 × 1690	1340 × 775 × 1690	1340 × 775 × 1590	1340 × 775 × 1690	
(W×D×H)	Package	2000	1400 × 830 × 1855	1400 × 830 × 1555	1400 × 630 × 1855	1400 × 830 × 1855	
Net weight/Gross we	ighi .	kg	295/310	350/365	350/366	356/370	
Loading cuantity	40' GP	unit	22	22	22	22	
LOBOR SE VICE HILL	40° HQ unit		22	22	22	22	

# CB 🗓 us

## **▼** GMV6 (208/230V 3~60Hz)

M	ladel		GMV-224WM/G-F	GMV-280WM/G-F	GMV-335WM/G-F	GMV-400WM/G-F
Capacity range	75	HP	а	10	12	14
	Cooling	kW	22.4	28.0	33.5	40.0
Сарасіту	Heating	NW.	26.0	31.5	37.5	45.0
EER		kW/kW	5,25	5.11	4.70	4.65
COP		kW/kW	5.68	5,25	4.57	4.81
Power supply		WPIVHz.		3- 60-iz		
Min. circult/Max, fuse current		A	29.9/35	38,6/40	43.6/50	50,3/50
Cooling		×W.	4.27	5.48	7.13	8.60
Power consumption	Heating	kW	4.40	6.00	7.70	9.38
Maximum drie IDL	J NO.	unit	13	16	19	23
Pefrigerant charge	volume	kg	5.5	6.6 5.7		7.0
Sound pressure lev	e	dB(A)	55	59	61	ē1
Connecting pige	Liquid	mes	49.52	Q9.52	Ф12.7	012.7
Connecting pipe	Gas	mm	Φ19,05	©22,2	Ф25-4	O25,4
Dimension	Cuttine	mm	330 × 775 × 1690	935×775×1690	930 × 775 × 1690	1340 × 775 × 1690
(W×D×H) Package		mm	1000 × 830 × 1865	1000 × 830 × 1855	1003 × 830 × 1855	1400 × 830 × 1855
Ner weight/Gross weight		ko	219/229	219/229	224/234	307/320
Loading quantity	40 GP	Set	28	28	28	22
CONTROL OF CITED AND ADDRESS.	40" HQ	set	28	28	28	22

,	/lodel	2.0	GMV 450WM/G/F	GMV-504WM/G-F	GMV-560WM/G-F	GMV-615WM/G-F	GMV-680WM/G-F
Capacity range		HF	18	15	20	22	24
	Cooling	×W	45.0	50,4	56.0	61,5	68.0
Capacity	Heating	×W.	50.0	56.5	63.0	69.0	76.5
EER		KWKKW	4.46	4.24	4.16	3.89	3,51
DOP		kW/kW	4.46	4.15	4.10	1.08	3.92
Power supply		V/PhyHiz			208/250V 3~ 60Hz		
Min. circut/Max. fi	as curient	A	51.2/50	53.9/60	89.4/100	90.0/100	91.3/102
w	Cooling	kW	10.10	11.90	13.50	15.80	19.40
Pawer comsumpti	Heating	κW	11.20	13.60	15.35	16/80	19.50
Maximum drive IDI	NO.	unit	28	29	33	36	39
Reirigerant charge	volume	kg	7.5	B.0	8.0	B.3	8.3
Sound pressure le	el	cB(A)	62	63	64	65	66
	Elegand	men	Ф12.7	Ø15.9	Ø15.9	Ф15.9	Ф15.9
Connecting pipe	Gas	mm	Ф20.6	Φ28.6	Ø28.6	Φ25.6	Φ29.6
Dimension	Outline	mm	1340×775×1890	1340 × 775 × 1690	1340 × 776 × 1690	1340 × 775 × 1690	1340 × 775 × 1690
$(W \times D \times H)$	Package	mm	1400 × 830 × 1855	1400×830×1855	1400 × 830 × 1855	1400 × 830 × 1865	1400 × 830 × 1855
Net weight/Gross \	veight	kg	307/320	312/325	355/366	355/358	360/373
	40' GP	5981	22	22	22	22	22
Loading quantity	40" HQ	set	22	22	22	22	22

## **ODU Combination Lineup**

### F GMV6 (440-460V 3~60Hz)



N	one		GMV-224WW/G-U	GMV-280WM/G-U	GMV-339WM/G-U	GMV-400WM/GHU			
Capacity range		HP	8	10	12	14			
with the same of t	Cooling	kW	22.4	28.0	33.5	40.0			
Capacity	Heating	RW.	25.0	31.5	37.5	45.0			
EER		RW/RW	6.26	5,11	4.70	4.65			
COP		TOWNEY	5.68	5.25	4.87	4.81			
Power supply		WPh/Hz		440-460V 3- 60Hz					
Min. circuit/Max. fu	se current	A	19.6/25	20.0/25	21,0/30	23.9/30			
Power comsumption Cooling		kW	4.27	5.48	7.13	5.60			
POME CHEBITICS	Heating	kW	4.40	5.00	7.70	9.36			
Maximum drive IDL	INO.	init	13	16	19	23			
Rehigerant charge	wiume.	kg	5.5	5.5 5.5 5.7		7.0			
Sound pressure lev	ei	dB(A)	56	59 61		61			
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7			
Cornecting paper	Ges	mm	Ф19.05	#22.2	Ø25.4	#25.4			
Dimension	Outline	mm	930 × 775 × 1690	990 × 775 × 1690	990 × 775 × 1690	1340 × 775 × 1690			
(M×D×H)	Package	2019:	1000 × 530 × 1555	1000×830×1555	1000 × 830 × 1855	1400 × 830 × 1855			
Net weight/Gross s	veight	kg	230/240	290/240	235/245	295/310			
Loading quantity	40' GP	set	25	28	25	22			
coersing duesting	40' HQ	set	-98	98	28	99			

, N	Accel		GMV 450WM/G U	GMV 504WM/G U	GMV 560WW/G U	GMV 615WM/G U	GMV 880WWG U		
Capacity range		HP	16	18	20	22	24		
*	Cooling	KW.	45.0	50.4	B6.0	61.5	68.0		
Capacity	Heating	kW.	60.0	56.5	63.0	69.0	76.6		
CER		KW/kW	4.46	4/24	4.15	3.89	3.51		
COP		KW/kW	4.46	4.15	4.10	4.05	3.92		
Power supply V/F		W/Ph/Hz	440-460V 3- 60Hz						
Min. circuit/Max. Ece current		Α	24.2/30	25.0/30	36,2/40	38.0/40	40,9745		
Power comsumption Cooling Heating		kW	19.1C	11.90	13.50	15.80	19.40		
		kW	11.20	13,60	15.35	16,90	19.50		
Maximum drive IDC	INO.	trit	26	29	33	38	39		
Refrigerant charge	volume	kp	7.5	5.0	8,0	5.3	8.3		
Sound pressure lev	6	cB(A)	62	63	64	66	66		
	Liquid	mm	Φ12.7	Ф15/9	Φ15.9	Φ15,9	Φ15.9		
Connecting pipe	Gas	mm	026.5	025.5	4)28.6	028.6	#28.6		
Dimension	Outline	mm	1340×775×1690	1340 × 775 × 1690	1340×775×1590	1340×775×1690	1340×775×1690		
$(M \times D \times H)$	Package	9003	1400×830×1855	1400 × 830 × 1855	1400 × 630 × 1855	1400 × 830 × 1855	1400 × 830 × 1855		
Ne: weight/Gross s	veight	kg	295/310	300/315	355/370	355/370	360/375		
Loading quantity	40' GP	set	22	22	22	22	22		
coecing quarkly	40" PIO	set	22	22	22	22	22		

### MV6 (380-415V 3N~50/60Hz)

HP	Model	GMV-224WM/H-X	GMP-280WW/H-X	GMV-335WM/H-X	GMV-400WM/H-X	Giyly-450V//VH-X	GMV-504WM/H-X	GWV-560WWWH-X	GMV-615WM/H
8	GMV 224WM/H X						100		
10	GMV 280WM/H X		•						
12	GMV-335WM/H-X			•					
14	GMV-400WM/H-X								
16	GMV-450VM/H-X					•			
18	GMV 504WM/H X						•		
20	GMV-560WM/H-X								
22	GMV 515WM/H X								•
24	GMV 580WM/H X								
26	GMV-730WM/H X								
28	GMV-78/WM/H-X								
30	GMV 840WM/H X								
32	GMV 695WM/H X		•						
34	GMV-960WM/H-X								
36	SMV-1015WM/H-X								
38	GMV 1085WW/H X								
40	GMV 1119WM/H X						•		
42	GMV-1175WM/H-X								
44	GMV 1230WM/H X								
46	GMV-1290WM/H-X					•			
48	GMV 1345WW/H X							***	
50	GMV-1400WM/H-X					•			
52	GMV-1456WM/H-X								
64	GMV-1510WM/H-X								
56	GMV 1585WW/H X								
58	SMV-1630WM/H-X								0.0
60	GMV 1680WWH X								
62	GMV 1704WWITX						•		
64	GMV 1790WW/H X								
86	GMV-1845WWH-X								***
88	GMV 1905WWH X								
70	CMV 1959WWH X		•			3,038		•	
72	GMV-2016WM/H-X							••	
74	GMV-2070WM/H-X								
76	GMV 2125WWH X								
78	OMV 2150WWH X								
5C	GMV-2245WM/H-X			SI <del>T</del> 07					•••
82	GMV 2295WM/H X								***
84	GMV-2349WM/H-X						•		***
86	GMV 2406WM/H X						150		***
88	GMV 2450WM/H X							-	****

Note: The combinations of anticorrosion models GMV-\*\*\*WM/H1-X are the same as aboved.

## ▼ GMV6 (380-415V 3N~50/60Hz)

HP	Model	GMV 224WM/ G X	GMV 280WM/ G X	GMV 335WM/ G-X	GMV 4CDVM/ G X	GMV 450VM/ G X	GMV 504WM/ G X	GMV 560WMV G X	GMV 615WM/ G-X	GMV-650WM G-X
8	GMV-224WM/G-X	•								
10	GMV-280VMV/G-X									
12	GMV-336/MM/G-X			•						
14	GMV 400WM/G X									
16	GMV-450WM/G-X									
18	GMV-604VM/G-X						•			
20	GMV-660WM/G+X									
22	GMV 815WM/G X								•	
24	GMV 880WW/G X									
26	GMV-736WM/G-X									
28	GMV 785WW/G X									
30	GMV-83UWW/G-X					2000				
32	GMV 895WW/G X									
34	GMV-950VM/G-X									
36	GMV-1015WM/G X								•	
38	GMV 1064WWG X									
40	GMV-1119WM/G-X									
42	GMV-1175WM/G-X									
10/12/5			-				r r	0.770		
44	GMV-1230WW/G-X									
46	GMV 1255WWG X								•	
48	GMV-1360WM/G-X									••
50	GMV-1359WW/G-X		. van	•					0.00	
52	GMV-1455WM/G-X		•					•	•	
54	GMV 1510WW/G X									
56	GMV 1565WWG X			•					0.0	
58	GMV-1623WVVG-X								•	
-60	GMV-1679WM/G-X						•		•	
62	GMV-1734WW/GFX						•			
€4	GMV 1750WW/G X							•		
96	GMV-1845WM/G-X									
68	GMV-1910WMVG-X									
70	GMV 1975WWG X									
72	GMV 2040WW/G X									
74	GMV 2069WM/G X									
76	GMV-2129WM/G-X							•	•	
78	GNV 2190WWG X									
80	GMV-2245WM/G-X									
82	GMV 2295WM/G X									
84	GMV-2350WMVG-X							00	••	
88	GNV 2414WWG X									
							-		••	
88	GMV-2470WM/G-X		-						•••	
90	GMV-2525WM/G-X		_						17531241	
92	GMV 2550WM/G X								••	17.70
94	GMV-2656WM/G-X									000
96	GMV 2720WM/G X									****

## ▼ GMV6 (208/230V 3~60Hz)

HP.	Model	GMV-224WM/ G-F	GMV-280WM/ G-F	GMV-335WM/ CrF	GMV-400WM/ G-F	GMV-450WM/ G-F	GMV-504WM/ G-F	GMV-560WM/ G-F	GMV-615WMV C/F	GMV-680WI G-F
8	GMV-224WM/G-F	•								
10	GMV-288WM/G-F		•							
12	CMV-335WM/G-F			•						
14	GMV-400WM/G-F									
16	CMV-450WM/G-F	3								
18	GMV-504WM/G-F									
20	GMV-560WM/G-F				6					
22	CMV-615WM/G-F								•	
24	GMV-680WM/G-F									
26	GMV-735WM/G-F			•						
28	GMV-785WM/G-F			•		•				
30	GMV-839WM/G-F			•						
32	GMV-895WM/G-F		•							<i></i>
34	GMV-950WM/G-F			•						
36	GMV-1015WM/G-F	f			•				•	4
38	GMV-1064WM/G-F						•	•		
40	GMV-1119WM/G-F									
42	GMV-1175WM/G-F								•	
44	GMV-1230WM/G-F									
46	GMV-1295WM/G-F					1			•	
48	GMV-1360WM/C-F									0.0
50	GMV-1399WM/C-F			•	,		•	0		
52	GMV-1455WM/G-F		•					•	•	
54	GMV-1510WM/G-F									
56	GMV-1565WM/G-F					9				
58	GMV-1623WM/G-F									
60	GMV-1879WM/G-F								•	
52	GMV-1734WM/G-F							(37)	0.0	
64	GMV-1790WM/C-F	0 0			4	0.00	1380			
66	GMV-1845WM/G-F							3340		
80	GMV 1910WM/C F									
70	GMV-1976WM/C-F	*							•	
72	GMV-2040WM/G-F									
74	GMV-2089WM/C-F	0 0			5					1000X To
76	GMV-2129WM/G-F			1000					•	
78	GMV-2180WM/C-F	*			•		5.086			
80	GMV-2245WM/G-F					1			000	,
82	GMV-2295WM/G-F								0	
84	GMV-2350WM/G-F					4		••	••	
86	GMV-2414WM/G-F									
88	GMV-2470WM/G-F									
90	GMV-2525WM/C-F								000	
92	GMV-2590WM/G-F								••	
94	GMV-2655WM/C-F									000
96	GMV-2720WM/G-F	8				S .			160	

## **ODU Combination Specifications**

### MV6 (440-460V 3~60Hz)

HP	Model	GMV-224WM/ G-U	GMV-288WM/ G-U	GMV-335WM/ G-U	GMV-400WM/ G-U	GMV-450WMV G-U	GMV-504WM/ G-U	GMV-660WM/ G-U	GMV-616WM/ G-U	GMV-680W G-U
8	GMV-224WM/G-U					-				
10	CMV-280WM/G-U	9			8					8
12	GMV-335WM/G-U									
14	GMV-400WM/G-LI			8	0					
16	GMV-450WM/G-U					•	3		9	
18	GMV-504WM/G-U									
20	GMV-560WM/G-LJ									
22	CMV-615WM/G-U				N 97				•	
24	GMV-680WM/G-U	9			8				8	
26	GMV-735WM/G-U									
28	GMV-785WM/G-U	30			E/ 19					
30	GMV-839WM/G-U						•			
32	GMV-895WM/G-U									
34	GMV-950WM/G-U									
36	GMV-1015WM/G-U				•				•	
38	GMV-1064WM/Q-U						•			
40	GMV-1119WM/G-U	9								
42	GMV-1175WM/Q-U	3		7	V 70					-
44	GNV-1230WM/G-U								0.0	
46	GMV-1295WM/C-U									
48	GNV-1360WM/G-U									00
50	GMV-1399WM/G-U									
52	GNV-1455WM/G-U	3					300,000			
54	GMV-1510WM/G-U	1		-					0.0	
56	GNV-1665WM/G-U	1			K	-				
58	GMV-1623WM/G-U	*					0.0			
60	GNV-1679WM/G-U									
62	GNV-1734WM/G-U	_								
64	GMV-1790WM/G-U	9			(2 3)					
66	GNV-1845WM/G-U				9	- 8				
68	GMV-1910WM/G-U	1				-				
70	GMV-1975WM/G-U	-		-	-	-				
72	GNV-2040WM/G-U	<del>N</del>			-		-	-		***
74	GNV-2089WM/G-U	1				-	•	<u> </u>		
76	GNV-2129WM/G-U	4				•	•		•	
78	GMV-2190WM/G-U	1			•	370	180	•	••	
80	GNV-2245WM/G-U	-				-				
82		+			-	- 3	-			
-	GNV-2295WM/G-U	+			-	-		••	••	
84	GMV-2350WM/G-U	9	-		k	-				
86	GNV-2414WM/G-U	-		-	-		•		••	
90 90	GNV-2470WM/G-U							•	000	
200-	GNV-2525WM/G-U	1				8			10/18/2005	107700
92	GMV-2590WM/G-U	-		-					••	••
	GMV-2655WM/G-U			1		I				000

### MV6 (380-415V 3N~50/60Hz)

			Cap	racity	Programation	Airfow		Connect	ing pibe			
IP.	Mixtel	Power Supply	Cooling capacity	Heating capacity	Dintersion (W×D×H)	Valume	ESP	Liquid	Gas	Min.circuit durent	Maxfuse current	Net weight
			KW	RW	men	m/h	Pa	mm	mm	A	A	kg
24	GMV 850WMH X		66.0	76.5	930 × 775 × 1690 +1340 × 775 × 1690	10500+13500	110	Ф15.9	0.28,6	23.5+37.5	25:40	220+300
26	GMV-730WWH-X		73.0	81.5	930×775×1690 (1340×775×1690	10500±15400	110	Φ19.05	031,8	23,5+39.3	25+40	220+300
2B	GMV 784WMH X		75.4	88.0	930 × 775 × 1690 +1340 × 775 × 1590	10500 (16000	110	Ф19.05	O31.E	23.5147	25:50	220+350
30	GMV-840WM-H-X		84.0	94,6	930×775×1690 +1340×775×1690	10500+16500	110	Ф19.05	031,8	23,5+48	25 <del>+</del> 50	220+350
32	GMV 896WMH X		89.5	100.5	930×775×1690 +1340×775×1690	10500 (16500	110	Ф19.06	031.8	23.5 ) 49	25150	2201355
34	GMV-950WMH-X		95.0	106.5	930×775×1690 11040×775×1690	11100+16600	110	Ф19.09	.031,8	24.1+49	25+50	240+356
36	GMV-1015WM/X		101.5	114.0	(1340×775×1690)×2	13500+16500	110	Ф19.06	038,1	37,5+49	40+50	300+356
38	GMV-1065WM/H-X		106.5	119,0	(1340×775×1590)×2	15400+16500	110	Ф19.05	Ø38,1	39,3+49	A9+50	300+356
40	GMV 1119WM/HX		111.9	125.5	(1340 × 775 × 1690) × 2	16000+16500	110	Ø19.05	038.1	47+49	50+50	350+355
42	GMV-1175WM/H-X		117.5	132.0	(1340 × 775 × 1690) × 2	16500×2	110	Ф19.09	038.1	48±49	50+50	350+356
44	GMV 1230WM/H X		123,0	138.0	(1340 × 775 × 1690) × 2	16500×2	110	dr19.05	038.1	49×49	50 > 50	355 × 2
46	GMV-1290WM/X		129.0	144.5	930×775×1690+ (1340×775×1690)×2	10500 ( 15400±16500	110	Ф19.05	038,1	23,5+39,3+48	25+40+50	220+300+350
48	GMV-1345WM/H-X		134,5	150.5	930×775×1690+ (1340×775×1690)×2	10500 ( 15400+16500	110	Ф19.05	0.38,1	23.5+39.3+49	25+40+50	220+300+356
50	GMV-1400WM/H-X		140,0	156.5	930×775×1690+ (1940×775×1690)×2	11100+ 15400+15500	110	Ф19,05	041.3	24.1+39,3+49	25+40+50	240+300+356
52	GMV-1455WM/X		145.5	163.5	930×775×1690+ (1340×775×1690)×2	10600+16500 × 2	110	Ф19.05	041.3	23.5+48+49	25+50+50	220+350+356
54	GMV-1510WM/H-X	380 415V 3N-	151.0	169.5	930×775×1590+ (1340×775×1690)×2	10900+16500×2	110	Ф19.05	041.3	23,5+49+49	25+50+50	220+365 × 2
55	GMV 1585WM/HX	50/60Hz	156.5	175.5	930 × 775 × 1690+ 11340 × 775 × 16901 × 2	11100+16500×2	110	Ø19.05	041.2	24.1 (49) 49	25   50   50	240 i 355 × 2
56	GMV 1630WM/H X		163.0	183.0	(1340 × 775 × 1690) × 3	13500+16500×2	110	ф19.05	041.3	37.5149149	40 (50 (50	3001355×2
60	GMV-1680WMVX		168.0	188.0	[1340 × 775 × 1690] × 3	15400+16500×2	110	±19,06	041,5	39,3+49+49	40+50+60	300+356 × 2
62	GMV-1734WM/X		173,4	194,5	(1340×775×1690)×3	16000+16500×2	110	Ф19.05	041,3	47+49+49	90+50+50	350+355 × 2
64	GMV 1790WM/H X	3	179.0	201.0	(1340 × 775 × 1690) × 3	16500×3	110	ф19.05	041.3	48 ( 49 ) 49	50 (50 (50	350 ( 355 × 2
66	GMV-1845WM/H-X	8	184.5	207.0	(1340×775×1690)×3	16500 % 3	110	Ф19.05	041.8	49+49+49	50+50+50	366×3
66	GMV 1905WM/H X		190.5	213.5	930 × 7/5 × 1030+ (1340 × 7/5 × 1690) × 3	10500+15400 +16500×2	110	Φ22.2	0.14.5	23.5+39.3+48+49	25 - 10 - 50 - 50	220 (300) 350 (35
70	GMV 1959WM/+X	8	195.9	220.0	930 × 775 × 1690+ 11340 × 775 × 1690) × 3	10500116000 116500×2	110	Ф22.2	044.5	23.5+47+48+49	25   50   50   60	220   350 = 2   355
72	GMV-2015WM/H X	5 5	201.5	226.5	930 × 775 × 1690+ 11340 × 775 × 16901 × 3	10500+16500×3	110	Ф22.2	044.5	23.5 (48) 48 (49)	25   50   50   50	220+350×2+355
74	GMV-2070WM/H-X	8 8	207.0	232.5	930×775×1690+ (1340×775×1690)×3	10500+16500×3	110	022.2	Ø44.5	23.5+48+49+49	25+50+50+50	220+360+365×2
76	GMV-2125WM/X	8	212.5	238.5	900 × 775 × 1090 / 3 11340 × 775 × 1690 / 3	10500+16500 × 3	110	022.2	O44.5	23,5+49+49+49	25+50+50+50	220+355×3
78	GMV 2180WM// LX	8 8	218.0	244.5	930×775×1690)×3 1340×775×1690)×3	11100   16900 × 31	110	O22.2	0.44.0	24.1+49+49+49	25 (50 (50 (50	240+335 + 3
80	GMV-2245WM/H-X		224.5	252.0	(1340×775×1690)×4	13500+16500×3	110	Ф22,2	044.5	37,5+49+49+49	40+50+60+60	300+355×3
82	GMV-2295WM/X	8	229,5	297.0	(1340×775×1690)×4	15400+16500×3	110	Ф22.2	044,5	33.3+49+49+49	40+50+50+50	300+365 × 3
84	GMV-2349WM/H-X	8	234.9	263.5	(1340 × 775 × 1690) × 4	16000+16500×3	110	022.2	Ø44.5	47+49+49+49	50+50+50-50	350+355×3
85	GWV (2405WM/H X	1	240.5	270.0	(1340 × 775 × 1690) × 4	16500 × 4	110	022.2	044.5	48+49+49+49	50150150160	35C   356 = 3
88	GMV 2460WM/H X	8	246.0	276.0	(1340 × 775 × 1690) × 4	16500×4	110	022.2	0.44.5	49:49:49:49	50 - 50 - 50 - 50	355×4

## **ODU Combination Specifications**

## ▼ GMV6 Anti-corrosion Series (380-415V 3N~50/60Hz)

			Сар	acity	Dimenskin	Altfor		Connect	ing pipe			
IP.	Model	Power	Cooling capacity	Heating capacity	(W×D×H)	Volume	ESP	Uquid	Gas	Missircult current	Machine current	Net weight
			KW	KW.	mm	rn?/h	Pa	mm	mm	A	A	kg
24	GMV 680WWHI X		68.0	76.5	930 × 775 × 1690 +1340 × 775 × 1690	10500 (13500	110	Ф15.9	Ф28.6	23.5 ( 37.5	25140	220+360
26	GMV 700WM011 X		72.0	01.5	930 × 775 × 1690 +1340 × 775 × 1690	10500115400	110	Ø19.05	Ø31.0	23.5 ( 39,3	25140	220 (300
28	GMV 784WWHI X		78.4	0.88	930 × 775 × 1690 +1340 × 775 × 1690	10500+16000	110	019.05	@31.8	23.5147	25+50	220 (350
30	GMV-840WM/HT-X		84.0	94.5	930 × 775 × 1690 +1340 × 775 × 1690	10500+16500	110	Ф19.05	Ø31.8	23,5+48	25+60	220+360
32	GMV 895WWHI X		89.5	100.5	930 × 775 × 1690 +1340 × 775 × 1690	10500+16500	110	Ø19.05	@31.8	23.5+49	25+50	220 ( 355
34	GMV-950WM/H1-X		95.0	106.5	030 × 776 × 1690 (1340 × 775 × 1690	11100+16500	110	Ф19.05	@31.8	24.1+49	25+50	240+365
36	GMV-1016WM/H1-X		101.6	114.0	[1340 × 775 × 1690] × 2	13600+16500	110	Ф19.05	Ø38.1	37.6+49	40+60	300+366
38	GMV 1085WWH1 X		108.5	119.0	(1340 × 775 × 1690) × 2	15400.116500	110	019.05	Ф.38.1	39.31.49	40150	300 ( 355
40	GMV 1119WWH1 X		111.9	1.25.5	(1340 × 775 × 1690) × 2	16000+16500	110	Ф19.05	Ф38.1	47149	50+50	350 ( 355
42	GMV-1175WM/H1-X		117.6	132.0	(1340 × 775 × 1690) × 2	16500 × 2	110	Ф19.05	Ф38.1	48+49	50+50	350+355
44	GMV 1230WWH1 X		123.0	138.0	(1340 × 775 × 1690) × 2	16500 4 2	110	Φ19,05	Φ38.1	49149	50+50	355×2
46	GMV-1290WW/H1-X		129.0	144.6	930×775×1890+ [1340×775×1690]×2	10500+ 15400+16500	110	Ф19.05	Ф38.1	23,5+39,3+48	26+40+60	220+300+360
48	GMV 1345WWH1 X		134.5	150.5	950 = 775 = 1090 = (1340 × 775 × 1690) × 2	10000 15400+16500	110	¢19.05	Ø38.1	20.5 (09.3 (49)	25140150	220 / 300 / 365
50	GMV-1400WW/H1-X		140.0	156.5	900 × 775 × 1090 × (1340 × 775 × 1690) × 2	111001 15400+16500	110	Ф19,05	Φ41.3	24,1+39,3+49	26+40+50	240+300+365
52	GMV 1455WW/H1 X		145.5	163.5	930 × 775 × 1890    1340 × 775 × 1890   × 2	10500+16500×2	110	Ø19.05	041.3	23.5 (48 (49	25150150	22013501355
54	GMV 1510WW/H1 X	380 415V	151.0	189.5	930×775×1690+ (1340×775×1690)×2	10500+16500×2	110	di19.05	0.41.3	23.5   49   49	25130150	220:365×2
56	GMV 1585WW/H1 X	3N - 50/60Hz	158.5	175.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	11100+16500×2	110	ф19.05	d:41.3	24.1149149	25150150	240+355×2
58	GMV 1830WW/H1 X		163.0	183.0	(1340 × 775 × 1690) × 3	13500 : 16505 × 2	110	di19.05	0:41.3	37.5149149	40 (50 (50	300/355×2
60	GMV-1680WWH1-X		168.0	188.0	(1340×775×1690)×3	15400+16500×2	110	Ф19.05	Φ41.3	39:3+49+49	40+50+50	300+355×2
02	GMV-173/WWW.H1-X		173.4	194.5	(1340×775×1690)×3	16000+16500 = 2	110	Ф19.05	Ф41.3	47+49+49	50+50+50	350+365×2
64	GMV 1790WWH1 X		179.0	201.0	(134G×775×1690)×3	16500×3	110	Ø19.05	Ф41.3	48 (49 (49	50150150	360+365×2
66	GMV-1845WM/H1-X		184.5	207.0	[1340 × 775 × 1690] × 3	16500×3	110	Ф19.05	Ф41.3	49+49+49	50+50+50	366 × 3
68	GMV-1906WW/H1-X		190.5	213.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	16500+15406 +16500 × 2	110	Ф22.2	Ø44.5	23.5+39.3+48+49	25+40+50+50	220+300+350+351
70	GMV-1959WM/H1-X		195.9	220.0	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	10500+16000 +16500×2	110	Φ22.2	Φ44.5	23.5+47+48+49	25+50+50+50	220+350 × 2+356
72	GMV-2015WM/HX		201.5	220.5	930×775×1890   (1340×775×1690)×3	10500+16500 = 3	110	Ф22.2	Ø44.5	23.5+45+46+49	25+50+50+50	220+350 × 2+355
74	GMV-2070WM/H1-X		207.0	232.5	930 × 775 × 1690 + (1340 × 7/5 × 1690) × 3	10500±16500×3	110	Ф22.2	0.44.5	23.5+48+49+49	25+60+60+60	220+350+355 × 2
76	GMV 2125WW/H1 X		212.5	238.5	930 = 775 × 1690+ 11340 × 775 × 16901× 3	10500+16500×3	110	Ф22.2	4:44.5	23.5 (49) 49 (49)	25:50:50:50	220+355×3
78	GMV 2180WWH1 X		218.0	244.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	11100+16300×3	110	Ф22.2	0:44.5	24.1   49   49   49	25:50:50:50	240 (355×3
80	GMV 2245WW/H1 X		224.5	252.0	(1340 × 775 × 1690) × 4	13500+16500×3	1,10	Ф22.2	0.44.5	37.5) 49) 49) 49	40150150150	300×355×3
92	GMV 9995WWHT Y		995.5	257.0	[1840 × 775 × 1690) × 4	15400   16500 x 3	110	di22.2	61445	393140140145	40150150150	300:355×3
84	GMV 2349WWH1 X		234.9	263.5	(1340 × 775 × 1690) × 4	15000+16500×3	110	Ф22.2	0.44.5	47   49   49   49	50150150150	350+355×3
86	GMV 2405WW/H1 X		240.5	270.0	(1340 × 775 × 1690) × 4	16500×4	110	Ф22.2	044.5	48149149149	50 ( 50 ( 50 ) 50	350+355×3
88	GMV-2460WW/H1-X		246.0	276.0	(1340 × 775 × 1690) × 4	16500×4	110	Ф22.2	Q44.5	49+49+49+49	50+50+50+50	355×4

## **▼** GMV6 (380-415V 3N~50/60Hz)

			Cap	acity	Powe	ritput	Dimension(W×D×H)	Arflow volume	ESP	Connectin	ng pipe	Min.orcut current	Mass fuse:	Net weight
-IP	Model	Power	Cooling	Heading	Cooling	Heating	amension(w×b×H)	Althow volume	Ear	Laud	Gas	Miniorcut current	current	Netweight
		supply	KW	3(4)	kW	kW.	mm	re <sup>5</sup> tr	Pa	mm	mm	λ	A	kg
26	GMV 735WM/ G-X		73.5	82.5	16.90	7.30	930 × 775 × 1690 ± 1340 × 775 × 1690	11100+13500	110	Ф19.05	Ф31.8	24.1+32.6	25+40	220+290
28	GMV 785WM/ G-X		78.5	87.5	18.50	8.50	930 × 775 × 1690 ± 1340 × 775 × 1690	11100+15400	110	Φ19.05	Ф.31.8	24.1+33,5	25+40	220+290
30	GMV 839WM/ G-X		83.9	94.0	20.00	20.70	900×775×1690+ 1340×775×1690	11100+16000	110	Q19.05	0/21,6	24,1 / 47	25:50	2201295
12	GMV 695WM/ G-X		89.5	100.5	22.40	22,80	930 × 775 × 1690 I 1340 × 775 × 1690	10500+16500	110	019.05	Ф21.B	23.5 49	25/50	215 (350
34	GMV 950WM/ G-X		95.0	106.5	20.90	24.70	930×775×1690+ 1340×775×1690	11100+16500	110	ф19.05	Ø31.B	24.1+49	25 (50	220+350
36	GMV 1015WM/G-X		101,5	114,0	26,40	26,40	1340 × 775 × 1690   1340 × 775 × 1690	13500+16500	110	Ф19.05	Ф38,1	32,5+49	40+50	290+350
38	GMV 1064WW/G-X		106,4	119,5	26,10	27:42	1340 × 775 × 1690 / 1340 × 776 × 1690	16000+16500	110	Ф19.05	Ф38.1	47+48	50+50	296+360
40	GMV- 1119WM/G X		111.9	125.5	28.50	29,80	1340 × 775 × 1690+ 1340 × 775 × 1690	18000 (16500	110	Ф19.05	Ø 38.1	47 ( 49	50+50	295 ( 350
42	GMV 1175WM/G X		117.5	132.0	30.00	31.42	1340 × 775 × 1690   1340 × 775 × 1690	1650+18500	110	Ф19.05	@28.1	48149	50 / 50	350×2
44	GMV 1230WM/G X		123.0	138.0	32.40	33,80	1340 × 775 × 1690 / 1340 × 775 × 1690	16500+16500	110	Φ19.05	Ф.38,1	49+49	50+50	360×2
46	GMV- 1295WM/G-X		129.5	145.5	36.70	37.00	1340 × 775 × 1690+ 1340 × 775 × 1690	16500+18350	110	Ф19,05	Ф38,1	49+49	50+50	350+355
48	GMV- 1360WM/G-X		136,0	1.53.0	41,00	40.20	1340 × 775 × 1690+ 1340 × 775 × 1690	18350×2	110	Ф19.05	Φ41.3	49+49	50+50	355×2
50	GMV 1399WW/G X		139.9	157.0	23.60	35.22	930×775×16901 (1340×775×1590)×2	11100+ 16000+16500	110	Ф19.05	0.41.3	24.1 (47.148	25150150	22012951350
52	GMV- 1455WW/G X		145.5	183,5	36.20	37.32	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	10500±16500×2	110	Ф19.05	Ø41.3	23.5+48+49	25150150	215 (350 × 2
il.	GMV- 1510VAV/G X		151.0	169.5	38.60	39.70	930 × 776 × 1690+ (1340 × 775 × 1690) × 2	10500+15500 × 2	110	<b>©</b> 19.05	Ф41.3	23.5+49+49	25+50+50	215+350×2
6	GMV- 1565WM/G-X		156.5	175,5	40.10	41,60	930 × 776 × 1690+ (1340 × 775 × 1690) × 2	11100+16500×2	110	O19.05	Ф41,3	24,1+49+49	26+50+50	220+350×2
8	GMV- 1623WM/G-X		162,3	182.0	40.80	42.70	(1340 × 775 × 1690) × 3	16000×2+16600	110	019,05	Φ41.3	47+47+49	50+50+50	296 × 2+360
90	GMV- 1679WM/G-X	390 415V	167,9	188.5	42.30	44.32	(1340 × 775 × 1690) × 3	16000+16500×2	110	O19,05	@41,3	47+48+49	50+50+50	295+350×2
92	GMV- 1734WM/G-X	3N- 50/60Hz	173,4	194,5	44,70	46,70	(1340 × 775 × 1890) × 3	16000+18500×2	110	O19.05	041.3	47+49+49	50+50+50	295+350×2
84	GMV 1790WM/G X		179.0	201.0	46.20	48.32	(1340×775×1690)×3	16500×3	110	019.05	GI41.3	48+49+49	50150150	350×3
en.	GMV- 1845WW/G-X		1845	207.0	48.60	50.70	(1340 × 775 × 1690) × 3	16500 × 3	110	0.190.5	041.3	49+49+49	50+50+50	360 × 3
98	GMV- 1910WM/G-X		191.0	214,5	52.90	53,90	(1340×775×1690j×3	16500×2+18350	110	Ф22.2	Q44.5	49+49+49	50+50+50	350 × 2+355
70	GMV- 1975WW/G-X		197.5	222.0	57.20	67,10	(1340 × 776 × 1890) × 3	16500+18360 × 2	110	Ф22.2	Φ44.5	49+49+49	50+50+50	350+355×2
12	GMV- 2040WWG-X		204.0	229.5	61,50	60,30	(1340×775×1690)×3	18350 × 3	110	Ф222	Ф44,5	49+49+49	50+50+50	366 × 3
74	GMV 2069WWG X		205.9	232.0	52.40	54.50	930×775×1690+ (1340×775×1690)×3	11100+ 15000+16500 × 2	110	Ф22.2	¢144,5	24.1 (47) 49) 49	25   50   50   50	22012951350×
76	GMV- 2129WWG X		212.9	238.5	53,10	55.02	(1340×775×1890)×4	15400+ 16000+16500×2	110	Ф22.2	¢44.5	33.5+47+48+49	40 (50 (50 (50	290 (295 (350×
78	GMV- 2190WWG X		219.0	246.0	55,40	57.82	(13/0×776×1890)×4	13500+16580 × 3	110	Ф22.2	Ф.44.Б	32.5+48+49+49	40+50+50+50	290+350×3
90	GMV- 2246WM/G-X		224.5	252,0	57,80	60.20	(1340 × 776 × 1690) × 4	13500+16500 × 3	110	Ф22.2	Φ44,5	32,5+49+49+49	40+50+50+60	290+350×3
92	GMV- 2295WM/G-X		229.5	258.0	57,60	60,46	(1340 × 775 × 1690) × 4	16500×4	110	Ф22.2	Ф44,5	48+48+48+49	50+50+50+50	360 × 4
14	GMV 2350WW/G-X		235.0	254,0	60.00	62,84	(1340×775×1590)×4	16500×4	110	Ф222	Ф44.5	48148149149	50:50:50:50	350×4
16	GMV 2414WM/G X		241.4	271.0	85.20	65.80	(1340×775×1690)×4	16000± 16500×2+18350	110	Ф22.2	@44.5	47149149149	50 - 50 - 50 - 50	295 - 350 × 3
18	GMV- 2470WM/G X		247.0	277.5	56.70	68.42	(1340×775×1590;×4	16500×3+18350	110	Ф22.2	d:44.5	48149149149	50:50:50:50	350 × 3+355
90	GMV- 2525WW/G X		252.5	283.5	.09.10	70,00	(1040 × 775 × 1090) × 4	1GG00 × 3 (183G0	110	Ф22.2	Φ44.5	49149149149	50-50-50-50	350 × 0+265
19	GMV- 2090/WW/G-X		25/0.0	291.0	73.40	24.00	(1940): 775×1690(×4	16500 × 2+18350 × 2	110	Ф92.9	Φ44.5	2K+0K+DK+DK	50+50+50+50	350 × 2+3-5 × 5
14	GMV 2655WM/G X		285.5	298.5	77,70	77.20	(1340×775×1590j×4	16500+16350×3	110	Ф22.2	¢144.5	49149149149	50150150150	350)355×3
96	GMV 2720WW/G-X		272.0	306.0	82.00	80,40	(1340×775×1590)×4	18350 × 4	110	Ф22.2	Ø44,5	49149149149	50   50   50   50	355×4

# **ODU Combination Specifications**

### ▼ GMV6 (208/230V 3~60Hz)

		Power	Cap		Power		Dimension(W × D × H)	Altflow volume	ESP	Connecti		MCA	MOP	Net weight
HP	Model	supply	Cooling	Heating KW	Cooling	Heating kW	mm	m²/h	Pa	Liguid	Gas	X	Λ.	kg.
26	GMV-735WM/G-F		73,5	82.5	15,73	17,06	930 × 775 × 1690+ 1340 × 775 × 1690	11100+13500	110	Ф19.05	@31.8	43.6+50.3	50-60	224+307
26	GMV 785WM/G F		78.5	87.5	17.23	18.90	900 × 775 × 1690 t 1340 × 775 × 1690	11100+15400	110	©19.05	O31.B	43.6   51.2	50 60	224   307
30	GMV 830WM/G F		83.5	94.0	19.03	21,30	930×775×1690+ 1340×775×1690	11100/15000	110	Ф10.05	Q31.8	43.6 : 53.0	50 60	224 (312
32	GMV-895WM/G-F		89,5	100.5	21.28	22,90	930 × 775 × 1690+ 1340 = 775 = 1690	10500+16500	110	Ф19,05	031,8	38.8+90	40+100	219+355
34	GMV-950WM/G-F		95.0	106.6	22.93	24,60	930 × 775 × 1690+ 1340 × 775 × 1690	11100+16500	110	Φ19.05	Ø31,8	43,6+90	50+100	224+355
36	GMV 1015WM/G F		101,5	114.0	24.40	26.28	1340×775×1690+ 1340×775×1690	13500+16500	110	d:19.05	038.1	50.3190	60+100	307 (355
38	GMV-1064WM/G-F		106,4	119.5	25.40	28.95	1340 × 775 × 1690 ± 1340 × 775 × 1690	16000+16500	110	Ф19,05	038.1	53,9+89,4	60+100	312+355
40	GMV-1119WM/G-F		111.9	125.5	27.70	30.50	1340 × 775 × 1690+ 1340 × 775 × 1690	16000+16600	110	Ф19.05	0.38.1	53.9+90	60+10D	312+355
42	GMV 1175WWG F		117.5	132.0	29.30	32.25	1340 × 775 × 1690 + 1340 × 775 × 1690 -	1550 (16500	110	dr19.05	038.1	89.4 (90	100 100	355 (355
44	GMV 1230WN/G F		123.0	138.0	31.60	33.60	1340 × 775 × 1690 × 1340 × 775 × 1690	16500+16500	110	d:19.05	©38.1	90 90	100 100	355 (355
46	GMV-1295WM/G-F		129,6	145,5	35,20	36.40	1340 × 775 × 1690+ 1340 × 775 × 1690	16500+18350	110	Φ19.05	0.38,1	90+91.3	100-100	355+360
48	GMV 1360MM/G F		136.0	153.0	38.80	39.00	1340 × 775 × 1690+ 1340 × 775 × 1690	18359×2	719.	Ø19.05	041.3	91.3 (91.3	100 100	360 (360
50	GMV 1399WM/G F		139.9	157.0	32,53	36.55	930 × 775 × 1690 I (1340 × 775 × 1690) × 2	11100+15000 +16500	110	d/19.05	041.3	43.6 (53.9) 89.4	50/60/100	224+312+355
62	GMV-1455WM/G-F		145.5	163,5	34,78	38,25	930 × 775 × 1690+ (1330 × 776 × 1690) × 2	10500+16500 × 2	110	Φ19.05	041,3	38.8+89.4+90	40+100+100	219+355+355
5é	GMV-1510WM/G-F		151.0	169,5	37,08	39.50	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	10500+16500 × 2	110	Φ19.05	041.3	38.8+90+90	40+100-100	219+365+366
56	GMV 1565WM/G F		156.5	175.5	38.73	41,50	930 × 775 × 1690+ (1340 × 775 × 1590) × 2	11100+16500×2	110	di 19.05	041.3	43.8 90 90	50 100 100	22413551355
56	GMV 1623WM/G F		152.3	182.0	39.60	44.10	(1340×775×1590)×3	16000 × 2+16500	110	Ø19.05	041.3	53,9153,9190	50 (60) 100	312+312+355
60	GMV-1679WM/G-F	208/230V	167.9	188.5	41.20	45.85	(1340 × 775 × 1690) × 3	16000+16500×2	110	Φ19.05	Q41,3	53,9+69,4+90	50+100+100	312+355+355
62	GMV 1734WM/G F	3~ 6CHz	173.4	194.5	43.50	47.40	(1340×775×1590)×3	16000+16500×2	110	dr19.05	041.3	53.9190190	50 (100 (100	312+355+355
64	GMV-1790WM/G-F		179.0	201.0	45/10	49.15	(1340 × 775 × 1690) × 3	16500×3	110	Φ19,05	041,3	89,4+90+90	50+100+100	355+365+365
GG	GMV-1845WM/G-F		184.5	207.0	47,40	60.70	(1340 × 775 × 1690) × 3	16600×3	110	Ф19.05	041.3	90+90+90	50+100+100	366+366+366
68	GMV-1910WM/G F		191.0	214.5	51.00	53.30	(1345×775×1590)×3	16500 × 2 : 18350	110	Ф22.2	044,5	90+90+91.3	100 (100 (100	355 (355 / 360
70	GMV 1975WM/G F		197,5	222.0	54.60	55.90	(1340×775×1690)×3	18500+18350×2	110	Ф22.2	044.5	90 / 91.3 (91.3	100 (100 (100	355+360+360
72	GMV-20/0WM/G-F		204.0	229.5	58.20	58.50	(1340 × 775 × 1690) × 3	18350×3	110	Ф22.2	044,5	91,3+91,3+91.3	100+100+100	360+360+360
74	GMV 20694VIV/G F		206.9	232,0	50.63	55.10	930 × 775 × 1690+ (1345 × 775 × 1690) × 3	11100+16000 (16500×2	710.	Ф22.2	VP44.5	43.6+53.9 +90+90	50-60 1001100	224 (312 ) 355 (355
76	GMV 2129WM/G F		212.9	238.5	51.30	57.05	(1340×775×1590)×4	15400+16000 +16500 × 2	110	Ф22.2	044.5	51,2+53,9 +59,4+90	60-60 +100+100	307+312+ 355+355
78	GMV-2190WM/G-F		219.0	246.0	53,70	58,51	(1340×775×1690;×4	13500+16500×3	110	Ф22.2	Ф44.5	50.3 (89.4 +90+90	60+100 +100+100	307 (355) 365+365
80	GMV-2245WM/G-F		224.5	252.0	56:00	90,09	(1340×775×1690)×4	13500+16500 × 3	110	Ф22,2	044,5	50.3190 +90+90	60+100 +100+100	307+355+ 366+355
82	GMV 2295WW/G F		229.5	258,0	55.30	62,95	(1340×775×1890)×4	15500×4	110	Ф22.2	0:44.5	89,4+89,4 159,4190	100-100	355+355+ 355+355
84	GMV-2350WM/G-F		235,0	264.0	58.00	64,50	(1340×775×1690)×4	15500×4	110	Ф22.2	Ø44.5	89,4+89,4 +90+90	100-100 +100+100	356+356+ 355+355
86	GMV-2414VM/G-F		241,4	271.0	62.90	66,90	(1340 × 775 × 1890) × 4	16000+16500×2 118300	110	Φ22.2	Ф44.5	53.9 (90 (90 (91.0	60:100 :100:100	312 (355) 356 (360)
86	GMV 2470WM/G F		247.0	277.5	64.50	68.65	(1340×775×1890)×4	16500 × 3 (18350	110	Ф22.2	⊕44.5	89.4+90 190191.3	100-100	355+355+ 355+360
90	GMV 2525WM/G F		252.5	283.5	66,80	70.20	(1340×775×1690)×4	16500 × 3 : 18350	110	Ф22.2	044.5	90+90 190191.3	100-100	356+365+ 355+360
92	GMV-2590WM//G-F		259.0	291.0	70.40	72.80	(1340 × 775 × 1690) × 4	16500 × 2+18350 × 2	110	Ф22.2	Ф44,5	90+90 +91,3+91,3	100 100 +100+100	35513551 360+360
94	GMV-2855WM/G-F		266,6	238.6	74.00	76,40	(1340×776×1690)×4	16500+18350×3	110	Ф22.2	Ф44.6	.90191.3 191.3191.3	100 100 (100)100	355 (360) 360 (360
96	GMV 2720WWG F		272.0	305.0	77.60	78.00	(1340×775×1590)×4	16350×4	110	Ф22.2	044.5	91,3+91,3	100-100	360+360+ 360+360

### MV6 (440-460V 3~60Hz)

HP	Model	Power supply		eacity Heating	Pewer		$Dimension(W\!\times\!D\!\times\!H)$	Airliow volume	ESP	Cornea Liquid	Gas	MCA	MOP	Nel weight
		22000	KW	XW	kW.	RW .	mm 930 × 775 × 1690	m³/h	Fa	mm	mm	A	A	kg
25	GMV 735WM/G U		7.3.5	82.5	15,73	17.08	13340×775×1690	11100/13500	110	Ф19.05	431.B	21 (23.9	30:30	235 (295
28	GMV-785WW/G-U		78.5	87.5	17,23	18,90	930 × 775 × 1690 +1340 × 775 × 1690	11100+15400	110	Φ19.05	Ф31,8	21+24,2	30+30	235+295
30	GMV 809WMVG U		03.9	94.0	19.33	21,90	930 × 775 × 1690 +1340 × 775 × 1690	11100+10000	110	Ф19.00	Ф21.В	21125	30130	235 (300
32	GMV-895WM/G U		89.5	100.5	21.28	22.90	930 × 775 × 1690 +1340 × 775 × 1690	10500 / 18500	110	Ф19.05	ф31.8	20138	25   40	230+355
34	GMV 950WM/G U		95.0	106.5	22.93	24.60	930 × 775 × 1690 11340 × 775 × 1690	11100/16500	110	Ф19.05	d(31,8	21+38	30:40	235 ( 355
36	GMV-1019WM/GHJ		101.5	114.0	24,40	26.26	1340 × 775 × 1690 +1340 × 775 × 1690	13500+16600	110	Ф 19.05	Ф38,1	23.9+38	30+40	295+355
38	GMV 1084WWG U		106.4	119.5	25,40	28.95	1340 × 775 × 1600 11340 × 775 × 1690	15000 16500	110	Ф19.05	0/38.1	25 (36.2	30 (40	300 (355
40	GMV 1119WM/G U		111.9	126.5	27,70	30,50	1340×775×1690 +1340×775×1690	16000   16500	110	Ф19.05	Φ38.1	25138	30 (40	300 / 355
42	GMV-1175WM/G-U		117.5	132.0	29,30	32.25	1340 × 7/5 × 1690 +1340 × 776 = 1690	1650+16600	110	Ø19.06	Ф38,1	36,2+38	40+40	355+365
44	GMV-1230WM/G-U		123.0	138.0	31,00	33.80	1340 × 775 × 1690 +1340 × 775 × 1690	16900+16500	110	Φ19.05	Ф38,1	38+38	40+40	356+355
25	GMV 1295WM/G U		129.5	145.5	35,20	36.40	1340×775×1690 +1340×775×1690	16500/18350	110	Ф19.05	038.1	38140.9	40 45	355 (360
15	GMV-1360WM/GHJ		1,36,0	153.0	38,30	39.00	1340×775×1690 ±1340×775×1690	18350 × 2	110	Φ19.05	Φ41.3	40.9+40.9	45+45	360+360
50	GMV-1399WM/GHJ		1.39,9	157.0	32.53	36.65	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	11100+16000+16600	110	Φ19.05	Ф41.3	21+25+38.2	30+30+40	239+300+365
52	GMV 1455WM/G U		145.5	163,5	34,78	38,25	930 × 775 × 1690 ; (1340 × 775 × 1690) × 2	10500+16500×2	110	Ф19.05	:041.3	20136.2138	25140140	230 (355) 355
54	GMV 1510WWG U		151.0	169.5	37.08	39,60	930 × 775 × 1690 × (1340 × 775 × 1690) × 2	10500+16500×2	110	Ф 19.05	041.3	20:38:38	25140140	230 ( 355 ( 355
56	GMV-1566WM/G-U		156.5	175.5	38.73	41.60	930 × 775 × 1690 + (1340 × 775 × 1690) × 2	11100+16500×2	110	Ф19,05	Ф41.3	21+38+38	30+40+40	236+366+366
58	GMV-1623WM/G-U		162,3	182.0	39.80	44:10	(1340 × 775 × 1690) × 3	16000 × 2+16500	110	Ф19.05	Ф41.3	25+25+38	30+30+40	300+300+366
60	GMV 1879WM/G U	440 460V	167.9	1.88.5	41.20	45.85	(1340×775×1690)×3	16000+16500×2	110	019.05	0.41.3	25   38.2   38	30140140	300 (355) 355
62	GMV-1734WM/GHJ	3-6014	173.6	194.5	43.50	47,40	(1340 × 775 × 1690) × 3	16000+16500×2	110	O 19.05	Ф41.3	25+38+38	30+40+40	300+355+355
64	GMV.1790WM/G.U.		179.0	201.0	45.10	49.15	(1340×775×1690)×3	765d0×3	110	019.05	041.3	36.2+38+38	40140140	355+355+365
66	GMV 1645WM/G U		184.5	207.0	47.40	50.70	(1340 × 775 × 1690) × 3	16500 + 3	110	O 19.05	ψ41.3	38 (38) 38	40140140	358+356+355
68	GMV-1910WM/G-U		191.0	214.5	91.00	53,30	(1340 × 775 × 1690) × 3	16500×2+18350	110	Ф222	0.44,5	40.9+38+38	40+40+45	355+355+360.
70	GMV-1979WM/G-U		197,5	222.0	54.50	56.90	(1340 × 775 × 1690) × 3	16500+18350×2	110	Ф22.2	0.44.5	38+40,9 +40.9	40+45+45	355+350+360
72	GMV 2040WM/G U		204.0	229.5	58.20	58.50	(1340×775×1690)×3	18350×3	110	Ф22.2	0.44.5	40.9140.9 140.9	45) 45) 45	350+350+360
74	GMV-2069WM/G-U		206.9	232.0	50.63	55,10	950 × 775 × 1690 + [1340 × 775 × 1690] × 3	11100+16000 +18500×2	110	Ф22/2	Φ44.5	21+25+ 38+38	30+30+40+40	230+300+355+355
76	GMV-2120WV0G-U		212,9	238.6	51,30	37.05	$(1340\times776\times1690)\times4$	15400+16000 +16600×2	110	0022.2	Ф44.5	24,2+25+ 36,2+38	30+30+40+40	295+300+355+355
78	GMV 2190WWG U	j j	219.0	246.0	53,70	58,51	(1340×775×1690)×4	13500+16500×3	110	Ф22.2	0.44.5	23.9135.2	30   40   40   40	295 (355 (355 (355
80	GMV 2245WWG U		224,5	252.0	56,00	80.05	(1340×775×1690)×4	13500+16500×3	110	Ф22.2	⊕44.5	23.9±38 ±38±38	30   40   40   40	295 (355 (355) 355
82	GMV-2296WWG-U		229.5	258,0	56.30	62.05	(1340 × 775 × 1690) × 4	16500 × 4	110	Ф22.2	Ф44.5	36,2+36,2 +36,2+38	40+40+40+40	356+355+355+355
64	GMV 2350WM/G U		236.0	284.0	58,80	84.50	(1340 = 775 = 1690) = 4	18500 ~ 4	110	Ф22.2	Ф44.6	36:2+36:2 +38+38	40+40+40+40	355 (355 (365 (365
86	GMV 2414WWG U		241.4	271.0	62,30	66.90	(1340×775×1690)×4	15000+16500 ×2+18350	110	Ф22.2	044,5	25+38+ 38+40.9	30:40:40:45	300 (355 (355 )360
88	GMV-2470WM/G-U		247.0	277.6	64,50	68,65	(1340 × 775 × 1690) × 4	16500 × 3+18350	110	Ф22.2	Φ44.5	36,2+38 +38+40.9	40+40+40+45	356+355+365+360
90	GMV-2625WM/G-U		252.5	283.5	66.30	70.20	(1340 × 775 × 1690) × 4	16500×3+18350	110	Φ22.2	Ф44.5	38+38+ 38+40.9	40+40+40+45	355+355+355+360
92	GMV 2590WM/G U		259.0	291.0	70,40	72.60	(1340×775×1690)×4	16500×2+16350×2	110	Ф22.2	044.5	38+38+ 40.9+40.9	40+40+45+45	355+355+360+360
94	GMV 2655WM/G U		285,5	298.5	74.00	75.40	(1340 × 775 × 1650) × 4	16500+18350×3	110	Ø22,2	ψ.44.5	38140.91 40.9+40.9	40.145.145.145	355138013801360
96	GMV-2720WM/GHU		272,0	306.0	77,60	78,00	(1340 × 775 × 1690) × 4	18350 × 4	110	Φ222	Ф44.5	40,9+40,9+ 40,9+40,9	45+45+45+45	360+360+360+360



## Why Choose VRF Heat Recovery System

### Demand

In a large open space (such as an office), there may be different demands for cooling and heating due to locations, personal preferences or special requirements (For example, the living area requires heating while the storage room requires constant cooling). The heat recovery system can set up cooling and heating simultaneously in different areas of the same system based on user demands.



## **Energy Saving**

The heat recovery system has multiple operating modes, among which the main unit cooling, main unit heating and total heat recovery can realize the heat recovery function. Under heat recovery mode, the system will provide the cooling energy absorbed by the heating side directly to the cooling side, which can reduce the capacity output of the outdoor unit and greatly improve the energy saving effect. Under total heat recovery mode, the system can achieve the optimal energy-saving performance and the energy efficiency of the system will be 3~4 times higher compared to other conventional operating modes.

### **Flexible**

The heat recovery system is designed to have the features of a heat pump system with unique heat recovery function. It can run in cooling, heating or other operating modes flexibly according to a specific installation location, environmental changes and comfort requirements, so as to meet user demands in real time.

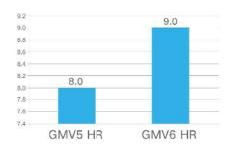
## Multiple Functions in One Unit

This unit can perform air cooling, air heating, and water heating simultaneously, satisfying customers' various needs for air conditioning, hot water and floor heating. It is a comprehensive solution for customers.



## High Energy Efficiency - SCHE up to 9.0

It adopts heat recovery energy-saving control technology, high-efficiency enthalpy-adding DC inverter compressor and high-efficiency DC motor to optimize its capabilities. In the state of heat recovery, its comprehensive energy efficiency (SCHE\*) can be 9.0, which is more energy-saving.





\*SCHE (Simultaneous Cooling & Heating Efficiency); the ratio of the total capacity of the system (heating and cooling capacity) to the effective power when operating in heat recovery mode.



### GMV6 HR All DC Inverter VRF

## Clean and Healthy Fresh Air

#### Fresh Air System



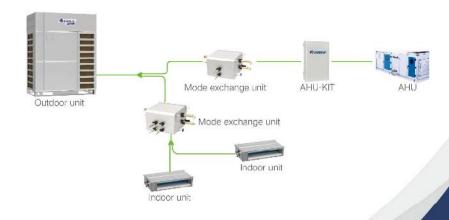
#### **ERV System**

GMV6 HR system can connect to ERV and ERV+DX COIL, which can realize air conditioning with fresh air ventulation.



### **Purification System**

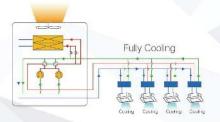
Gree DX AHU (direct-expansion air handling unit) can be connected to Gree VRF system, so that the air handling unit is with the functions of the VRF system and can meet the cooling/heating requirement in large places. This air handling unit can be equipped with purification devices with various filter grades to meet the purification requirements in different applications.

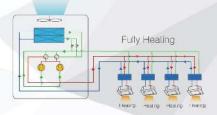


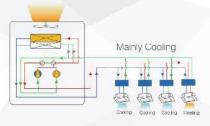
## **High Energy Efficiency**

#### **Five Operating Modes**

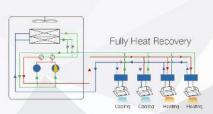
GMV6 heat recovery system enables multiple operation modes for meeting various needs of users. Among them, mainly cooling, mainly heating and fully heat recovery modes include heat recovery function. Under the heat recovery mode, the system can directly offer the cooling capacity absorbed at the heating side to the cooling side for reducing cutdoor unit's capacity output to greatly improve the energy-saving effect.





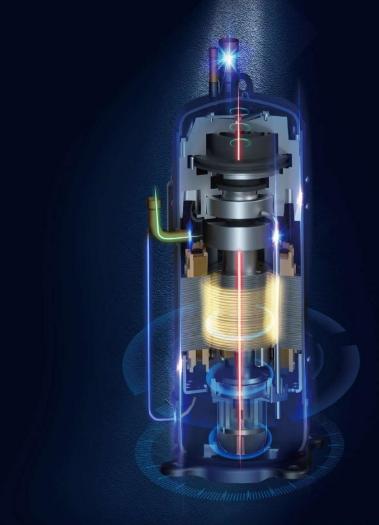








### High-efficiency EVI DC Inverter High-pressure Cavity Scroll Type Compressor



Low-temperature enthalpy-adding compressor is developed according to the features of VRF units. With a regulation range of 0-420Hz, it can perfectly coordinate with the machine so as to excel the performance to the greatest extent.

Dual EEV enthalpy-adding control: Compressor enthalpy increase can be controlled flexibly to realize the maximum enthalpy increase.

#### SCHE up to 9.0

It adopts heat recovery energy-saving control technology, high-efficiency enthalpy-adding DC inverter compressor and high-efficiency DC motor to optimize its capabilities. In the state of heat recovery, its comprehensive energy efficiency (SCHE\*) can be 9.0, which is more energy-saving.





\*SCHE (Simultaneous Cooling & Heating Efficiency): The ratio of the total capacity of the system (heating and cooling capacity) to the effective power when operating in heat recovery mode.

#### G-shape Integrated Heat Exchanger

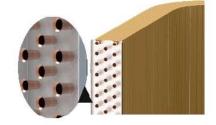


Molded at one time, the G-shape integrated heat exchanger can improve space utilization, and increase heat exchanger area and heat exchange efficiency.

\*Note: Applicable for some models.

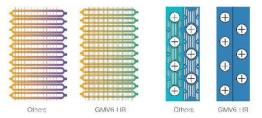
#### Multi-row Small Diameter Design

The refrigerant pipe adopts  $\phi$ 7mm and 3-row design, which can reduce the flowing resistance of refrigerant inside the pipe and effectively increase the heat exchange area of refrigerant, so as to optimize and improve the heat exchange efficiency.



#### Small Pitch Corrugated Heat Exchanger Fins

Small pitch corrugated fins are used to increase the effective area between fins and the air, for more sufficient heat exchange of refrigerant and higher heat exchange efficiency.



#### Internal Screw Thread Design of Copper Tube

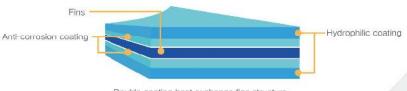
The refrigerant pipe adopts internal screw thread design to increase the contact area with the refrigerant, optimize the turbulent state of refrigerant flow and improve the heat exchange efficiency.



Internal screw thread high-efficiency heat exchange

### Multi-functional Heat Exchanger Fins

The heat exchanger fins adopt double-sided double-effect coating and hydrophilic membrane design so that the unit is not easy to get frosted and the condensate water or water from defrosting can flow down more quickly; the anti-corrosion coating isolates the pollutants and dust from air to protect the fins, thus stronger corrosion resistance and better heat exchange effect.

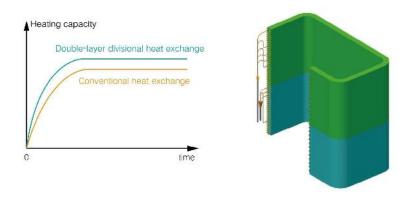


Double coating heat exchange fins structure

<sup>\*</sup>Note: Applicable for some models.

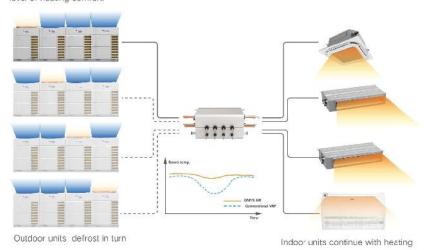
#### Double-layer Independent Divisional Control for Heat Exchanger

According to the features of the wind field, the heat exchanger has a divisional design for the flow paths. The upper and lower heat exchangers are designed with independent EEV control to realize more reasonable flow distribution, which can optimize the heat exchange performance.



#### Continuous Heating

GMV6 HR is designed with a continuous heating system. In case of modular combination, different modules can defrost in turn to reduce indoor temperature fluctuation, which will further improve the level of heating comfort.



<sup>\*</sup>Applicable to partial models

### Multi-dimensional Intelligent Defrosting

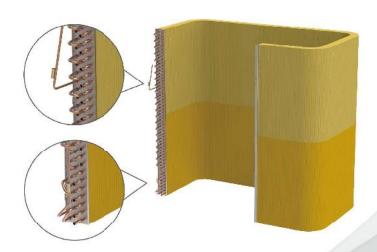
GMV6 HR is equipped with multiple defrosting technologies. It adopts the control method of variable temperature difference and variable load rate to achieve efficient and rapid defrosting. Under certain conditions, the outdoor units can defrost in turn to make sure the indoor units can continue with heating.

#### **Development of Defrosting Technology**



#### Two Temperature Sensors for Upper and Lower Heat Exchangers

The upper and lower heat exchangers are independently controlled by two defrosting temperature sensors, which can accurately judge the thickness of frost on heat exchangers so as to carry out thorough defrosting.



<sup>&</sup>quot;This function must be set in the field. When this function is set, continuous heating will be activated under certain ambient temperature conditions.

## **Project Self-adaptive Control**

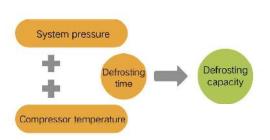
#### Variable Defrosting Cycle Control

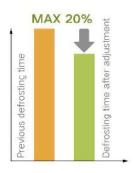
The unit can define the frost degree according to the defrosting time change under different circumstances and then adjust the defrosting cycle automatically to improve the accuracy of defrosting.

#### Variable Defrosting Capacity Control

The speed of defrosting is closely related to the output of compressor. Generally, when the unit is defrosting, the output capacity of compressor is fixed, which may lead to long defrosting time or failure to defrost normally in actual use.

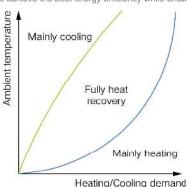
In order to realize stable and rapid defrosting, GMV6 HR can automatically change the output capacity during defrosting through real-time parameter learning and judgment.





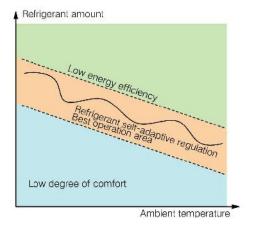
#### Intelligent Heat Recovery Control

GMV6 HR adopts intelligent heat recovery control technology. Under heat recovery mode, it can intelligently switch among mainly cooling mode, fully heat recovery mode and mainly heating mode according to the operating condition and load. Under high temperature, the operation of indoor units in cooling mode will be given priority; under low temperatures, the operation of indoor units in heating mode will be given priority. This is to achieve the best energy efficiency while ensuring user comfort.



#### Refrigerant Self-adaptive Regulation Technology

GMV6 HR adopts refrigerant self-adaptive regulation technology. When the ambient temperature or the load of indoor unit changes, it will automatically adjust the amount of system refrigerant circulation according to the output demand of outdoor units. This technology can prevent energy efficiency decrease in cooling caused by excess refrigerant and maintain the comfort degree in heating by preventing refrigerant insufficiency so that the unit can always run in a healthy, energy-saving and comfortable state.



### Auto Heat Recovery Function of Cooling

In summer, when the unit is in cooling mode, even if the hydro box is shut down, it can still recover waste heat according to the water temperature of the water tank, and transfer the heat to the water rather than discharge it into the atmosphere. In summer, you can enjoy not only cool air but also free hot water.



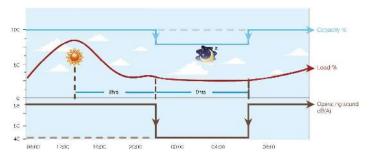
Note: This function defaults to be on before ex-factory. It can be turned off in setting.

## **Quiet Technology**

#### 13 Quiet Modes

#### Night Quiet Function

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. For example, the unit can automatically enter night mode after working for 8 hours, and resume to normal operating mode after 9 hours.



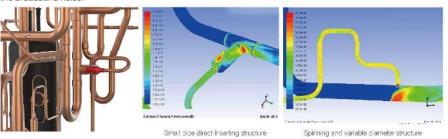
#### Mandatory Quiet Function

When the unit is installed in an environment with high noise requirements, it needs to operate silently during the day or night. Then you can choose three mandatory settings of quiet modes to ensure that the unit operates in low noise mode at any time, and the noise value can be as low as 40dB (A).



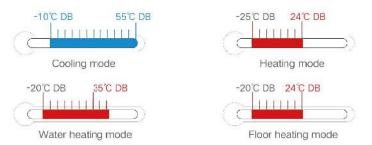
### Spinning and Variable Pipe Diameter Design for Noise Reduction

The inlet pipe from sub-cooler to gas separator adopts a spinning structure with variable diameter, which can slow down the refrigerant flow in the pipeline, greatly reduce the flow noise of the pipe, and significantly lower the broadhand poise.



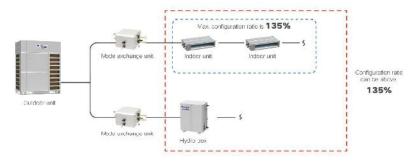
## Stable and Reliable Operation

### Super Wide Operating Range



#### High Configuration Ratio

Conventionally, we use the total capacity of indoor units and the hydro box to calculate the indoor and outdoor unit configuration ratio, without taking the use mode into consideration. In summer, users need air conditioners for cooling and not water for bathing; while in winter, floor heating is also needed. GMV6 HR is designed in an unconventional way, for it has optimized the capacity allocation method in different modes and the hydro box can calculate the configuration ratio independently. The configuration ratio of indoor units is not counted and the cost of outdoor units is reduced.

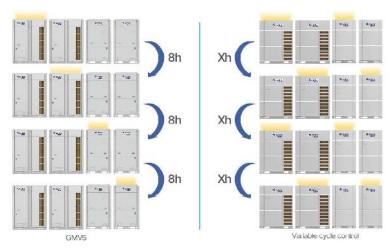


Note: If indoor units and hydro box run in healing at the same time, healing performance will be affected.

#### New Generation Intelligent Alternate Control Technology

#### Variable Cycle Module Alternate Control

GMV6 adopts a new modular control method to ensure the service life of the complete unit and improve the overall operating performance.



X refers to the variable cycle.

#### Compressor Alternate Control

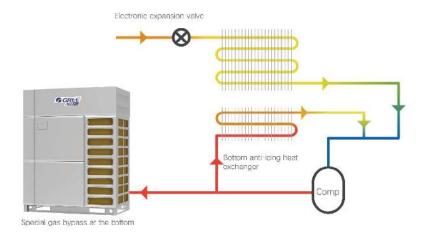
As for the system control, not only the overall service life of the modular design is considered, when the module is designed for multiple compressors, the internal compressors will also conduct rotation control to balance the operating service life of each compressor.



\*Applicable to some models.

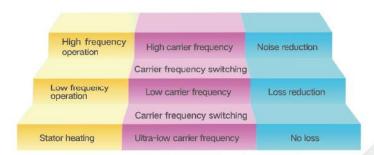
#### Low-temperature Anti-freezing Control

To ensure smooth water drainage and reliable operation under low temperatures, a special bypass is added at the bottom of the heat exchanger for anti-freezing control.



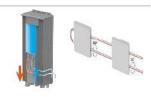
#### Variable Carrier Frequency Control Technology

According to the operating characteristics of compressor, the carrier frequency is automatically switched, and then high-frequency noise reduction and low-frequency loss reduction are realized, which can maximize the efficiency and reliability.



#### Sub-cooling Module Cooling Technology

The compressor drive IPM high-power device adopts sub-cooling 360° ring-shaped heat dissipation structure module cooling technology to ensure that the internal components work under relatively low temperature conditions. Compared with ordinary air-cooled heat dissipation, the internal temperature can be reduced by up to 8°C, and reliability raised dramatically.



## **Diversified Backup Operation**

#### Basic module emergency function

GMV6 can achieve a combination of four independent units. Each unit is a basic module. When a certain basic module is malfunctioning, other basic modules can achieve emergency operation, which reduces the influence of malfunction.



### Fan emergency function

Some basic modules are designed with two fans. Gree control logic and optimized system design can ensure that when there's malfunction for one of the fans, the unit can still operate with the other fan. which reduces the influence to users due to sudden stoppage.



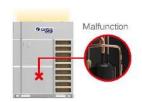
#### Compressor emergency function

For a basic module with two or more compressors, when there's malfunction for one of the compressors, the unit can still operate with other compressors, which reduces the influence of malfunction.



### Sensor malfunction emergency function

The application field of VRF systems is complicated. When a temperature sensor malfunction occurs to the unit, the unit will enter back-up mode, which minimizes the influence of malfunction.



Note: Only for some temperature sensors.

## Flexible Engineering Design

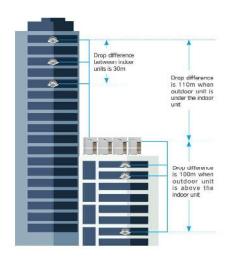
#### Wide Capacity Range

Basic modules are designed with large capacity. The maximum capacity is further improved, which can satisfy various engineering needs and increase the construction efficiency.



#### Super Long Refrigerant Pipe Design

GMV6 HR combines high drop pressure control technology, indoor unit drop identification technology, intermediate pressure adjustment technology, tube length self-correction technology, and deep sub-cooling technology to increase the length of piping and improve the air conditioning effect.



- The maximum actual single pipe length is 200m, the maximum equivalent single pipe length is 240m, and the maximum piping length is 1,000m.
- The maximum length after the first branch pipe is 120m \*.
- The maximum drop of indoor and outdoor units is 110m \* (100m when the outdoor unit is in upper position) \*.
- The maximum drop between indoor units is 30m.

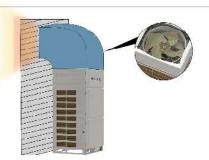
\*Please consult the sales representatives for details.

### High Static Pressure Design

New diversion cover: Effectively coupled with fan blades, the flow field is more uniform.

New diversion cover: Effectively coupled with fan blades to make the flow distribution more uniform. High external static pressure design facilitates engineering application and mechanical floor design. The air-out grille with vortex streamline distribution, less wind resistance.

High-efficiency motor, powerful output and highest static pressure up to 110Pa (ex-factory standard).



#### Compact Design

æ	GMV5 HR	GMV6 HR	Floor Space Reduction	Effect
335	****	Post	29% ↓	Less requirement in engineering application,
615	*30		40% ↓	more efficient in space utilization

The whole series of units from 8HP to 22HP can easily enter common residential elevators without specialized equipment, which has greatly reduced the construction cost.







#### Efficiently Maintained Structural Layout

GMV6 HR integrated electronic control layout, with reserved maintenance space for higher maintenance efficiency.



Commissioning window, no need to remove the panel, you can conduct commissioning and troubleshooting during operation.

The electronic control components are highly integrated, the component structure is miniaturized, and there is more space for maintenance.

Front-mounted valve assembly design, fast and reliable piping installation.





#### Indoor Unit Automatic Positioning Function

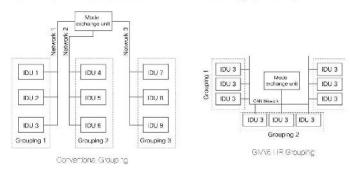


When multiple indoor units are installed in large spaces such as exhibition halls, conference rooms, offices, etc., the indoor unit can conduct automatic positioning, the corresponding indoor unit buzzer can automatically respond, and the indoor unit can be quickly positioned by sound to achieve efficient maintenance.

Abnormal unit alarms for positioning

#### Indoor Unit Network Auto Grouping Control

GMV6 HR can realize auto intelligent identification through a built-in algorithm. It can automatically set groups for indoor units, which has improved the installation and debugging efficiency.



#### VIP Function

In high-end hotels and other occasions, when the diesel generator is used for power supply temporarily, the outdoor unit can directly connect different power identification signals and send a signal of insufficient power supply to the system. At this time, only rooms set as VIPs such as presidential suites are allowed to use the air conditioner, while other rooms are forbidden to use the air conditioner.



### Priority Setting for Air Heating, Hot Water and Floor Heating

GMV6 HR is with multiple mode setting functions. System will give priority to air heating, hot water or floor heating mode according to the priority setting. User can set air heating priority, hot water priority or floor heating priority based on local weather conditions and application scenarios.

Priority setting	Code	Notes
Air heating	01	Air heating takes priority
Water heating	02	Water heating takes priority
Floor heating	03	Floor heating takes priority
and the same of th		******

Note: This function must be set in the field.

## Mode Exchange Unit

#### Wide Capacity Range

The new generation mode exchange unit adopts high refrigerant flow design and the connectable indoor unit capacity is significantly increased. A maximum of 16kW can be connected to a single branch, which is 13% higher than before; and the maximum capacity connected to multiple branches is 85kW, which is 25% higher.

An increase of 13% in capacity allowed for a single branch; an increase of 25% in capacity allowed for a single mode exchange unit



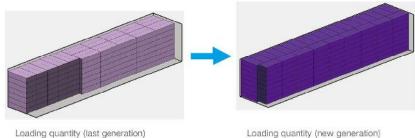
Note: For two branches in parallel, the maximum capacity of connectable indoor units is 28kW.

#### High-efficiency Sub-cooling Design

In a heat recovery system, refrigerant flow between Indoor units may produce noise due to insufficient subcooling degree, which will affect the cooling performance. For our new generation mode exchange unit, it adopts a noise reduction dasign and the solenoid valve and electronic expansion valve are combined to realize intelligent control, which can provide sufficient sub-cooling degree for refrigerant in indoor units, ensuring the high-efficiency and low-noise operation of indoor units.

#### Compact Design

The new generation mode exchange unit has a brand new pipe structure, for which its size is 15% smaller, saving more installation space. The loading quantity is up by 70%.

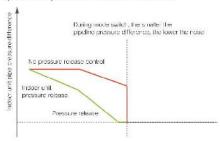


Note: Limited to some models.

todania damini, triore doriorano.

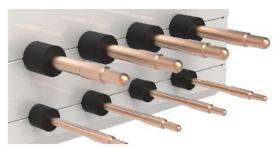
#### Noise Reduction Design of Mode Exchange Unit

The noise of mode exchange unit is mostly caused by the large pressure difference between the indoor unit pipeline and the outdoor unit pipeline during mode switch. The new generation mode exchange unit adopts preliminary pressure release control technology. By combining preliminary indoor unit pressure release control with preliminary bypass pressure release control, the indoor unit pipeline pressure can be quickly balanced during the mode switch of indoor units, avoiding the noise caused by the switching pressure difference and ensuring the quiet and rapid mode switch of indoor units.



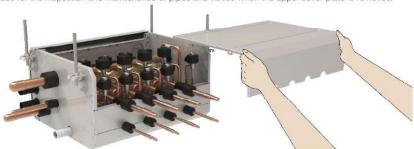
#### One-piece Connection Pipe Design, Efficient and Safe

The connection pipe is designed with a variable diameter spinning sealing, for easy installation and less installation time, it can satisfy requirements for different pipe size in engineering pipe connection. There is no need to remove the sealing cap through welding, which is safer. Less oxide is produced, and the system is cleaner.



#### Structure for Efficient Maintenance

The L-shape integrated upper cover plate is designed so that there's a better view and enough operation space for the inspection and maintenance of pipes and valves when the upper cover plate is removed.



### Hydro Box .

### Wide Capacity Range

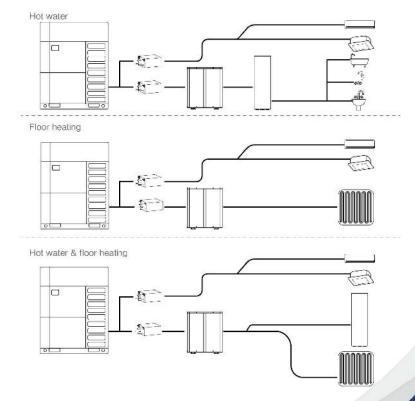
There are two capacity options for a single unit: 16/30kWm, which can satisfy different engineering requirements.



16/30kW

#### **Double Functions**

The hydro box can be connected to the water tank and floor heating independently or simultaneously. It is equipped with a new generation matrix wired controller, through which you can set hot water function or floor heating function. Two functions in one machine, satisfying customers' various needs.



<sup>\*</sup>Note: Wired controller model: XE70-11/H,

#### Flexible Model Selection

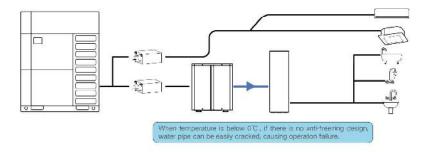
You can connect the hydro box to Gree water tank or Inner coll water tank purchased separately. User can design his/her own inner coil water tank according to the engineering characteristics, to make the engineering design more flexible.

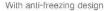
\*Note: The separately purchased water tank must be a inner coil water tank.

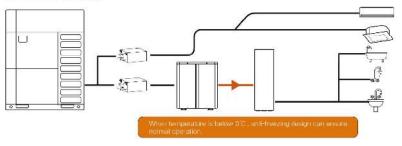
#### Intelligent Hydro Box Anti-freezing Design

When the hydro box is stopped and water temperature is below 0°C, the plate heat exchanger may be freezing and broken, which will affect the safe operation of the entire system. In GMV6 HR, we adopt an intelligent step-by-step anti-freezing strategy so that the hydro box will implement different anti-freezing control logics according to its actual status, running time and water side temperature, providing safe and anti-freezing protection while maintaining the level of comfort indoors.

Without anti-freezing design







#### New Type Wired Controller as Standard Supply

It is a brand new matrix type wired controller of touch control. It is designed with a new interaction logic, which makes the controller easy to use; the matrix screen allows the display to be more visually pleasing and rich, concise but not simple.

- · Touch buttons with rich functions
- · Simple appearance
- · With weekly timer, easy to use



Wired controller model: XE70-11/H

#### High-temperature Sterilization Function

This product is with high-temperature sterilization function. When it is activated, it can effectively remove bacteria. The water tank temperature can be heated to 70°C. High-efficiency sterilization is included to care for the health of users.

#### Sunflower Function

This product is with sunflower function. The algorithm of the new sunflower function can automatically track and collect the temperature data of the daytime hour by hour so as to predict high temperature periods in the daytime and heat up water correspondingly, which is efficient and energy-saving.

#### Solar Power Function

It is equipped with a solar power water pump interface, a solar power temperature sensor interface and a solar power temperature sensor and can be connected to a solar power water tank. It can intelligently control the solar power water pump according to outdoor temperature and the solar power water temperature so as to heat up the water tank.





\*Note: A dual inner coll water tank solar power water tank must be used.

## Mode Exchange Unit

Model	Product Appearance	Model	
NCHS1D	2	NCHS4D	
NCHS2D	2 :	NCHS8D	

Model	Product Appearance
NCHS4D	
NCHS8D	2 ::::

## **Hydro Box**

Model	Product Appearance	
NRQR16L/A-T	Since (	
NRQR30L/A-T		



## **Outdoor Unit**

	Model		GMV VO224VM/ CFX	GWN A0580AWA	GMV VQ335WM/ C-X	GMV-VO400VMV C-X	GMV-VQ450WMV C-X	GNV V0604VM/ C-X	GMV VOS60WMF	GMV VQ615WW/ G-X
Capacity range		1P		10	12	14	16	16	20	22
Cooling	Fated *	10W	224	280	33.0	40.0	400	50.4	520	52.0
capacity	Max.	kW	22.4	280	33.5	40.0	75,0	50.4	56.0	61.5
tearing	Rated 1	EW	22.4	28.0	33.5	40.0	45.5	50.4	56.0	55.0
capacity	Max.	kW	25.0	31.5	37.5	45.0	50.0	55.5	63.0	69.0
SEER	Ducted *	-	7,09	6.70	6.56	6.90	6.46	G.49	6.32	6.32
OCC11	Cassette*	+.1	7.24	6,45	6.65	6.18	6.15	6.68	6.35	6.35
SCOP	Ducted *	-	4.32	4.57	4.74	4.44	4.41	425	4.15	4.15
SKAM"	Cassette *	-	4,20	4.43	9.37	4.44	450	4.34	4.34	4.34
Ромаг эгрріу		V/Ph/ Hz				380-415V 3	N=50/60Hz			
Vin.circult/Vax	Line current	A	23.0/25	23.5/25	24.1/25	37.5/40	39.3/40	47.0/5C	48.0/50	49.0/50
Max drive IDU	NO.	unit	13	16	19	23	26	29	33	35
Refrigerant cha	rge volume	46	8.2	5.5	9.6	11.1	11.5	12,8	12.8	13.3
Sound pressure	a level (Cooling)	dB(A)	60	6"	63	63	63	63	63	64
Sound cower	Dactat*	dB(A)	30	82	34	91	91	36	68	88
level(Cooling)	Cassodo*	dDIA)	20	94	95	97	94	37	09	09
	Licula	mm	Ф952	Φ8™S	0.51	0.187	D123	018.9	Ø1939	©1uS
Connecting pipe	High pressure gas	mm	Ø160	Ø1936	Ф1935	0355	Ф221.E	Фин.4	<b>Φ156.4</b>	Ø2n4
h be	Low pressure gas	mm	Ø19,05	022.2	±025.4	025.4	:020.6	O25.8	0:20.5	#23.E
Omension	Cuttine	mm	930 × 775 × 1690.	930×775×1590	930 × 775 × 1690	1340 × 775 × 1690	1340 × 775 × 1690	1340 × 775 × 1890	13/0 × 775 × 1690	13/10 × 775 × 169C
W×D×H	Package	men	1000×850×1855	1000 × 830 × 1855	1000 × 830 × 1855	1400 x 830 x 1855	1400 × 830 × 1855	14C0 × 830 × 1555	1400 × 530 × 1855	1400 × 830 × 1855
Net weight/Gro	ss weight	40	248/258	243/253	256/258	325/340	325/8/10	385/700	385/400	385/400
Loading	40' GP	961	28	28	28	22	22	22	22	22
quantity.	40° HQ.	set	28	28	28	22	22	22	22	22

Note: The data is Eurovent certified,

## Mode Exchange Unit

		Model		NCHS1D	NCHS2D	NCHS4D	NCHS8D
Number of bran	nches		unit	1	2	4	8
Max. number o	f	Per branch	unit	8	8		8
connectable ID	Us	Total	unit	8	16	32	64
Max. capacity of		Per branch	kW	16	16	16	16
connectable ID	Us	Total	kW	16	28	45	85
Power supply			V/Ph/Hz		220-240V	~ 50/60Hz	
ь		Cooling	W	14	25	32	90
Power comsum	приоп	Heating	W	14	25	32	90
		Liquid	mm	Ф9.52	Ф9.52	Ф12.7	Ф15.9
	ODU	High pressure	mm	Ф19.05	Ф19.05	Ф22.2	Ф22.2
Piping		Low pressure gas	mm	Ф22.2	Ф22.2	Ф28.6	Ф28.6
connections	IDU	Liquid	mm	Ф6.35/9.52	Φ6.35/9.52	Ф6.35/9.52	Ф6.35/9.52
	100	Gas	mm	Ф12.7/15.9	Ф12.7/15.9	Ф12.7/15.9	Ф12.7/15.9
D	B 10	Outline	mm	340×388×250	340×388×250	460×388×250	784×388×250
Dimension(W×	D×H)	Package	mm	863×624×298	863×624×298	979×624×303	1300×624×286
Net weight/Gro	ss weight		kg	12/17.5	14.5/20.5	20.6/27	33/42

## Hydro Box

		Model		NRQR16L/A-T	NRQR30L/A-T
Hot water he	ating capacit	у	kW	4.5(3.6~16)	4.5(3.6~30)
Max setting to	emperature o	f domestic hot water	*C	55(35~55)	55(35~55)
Floor heating	capacity		kW	16	30
Max sotting to	emperature e	ffloor heating	°C	45(25-45)	45(25-45)
Power suppl	7.		V/Ph/Hz	220~240V-1ph-50Hz	220~240V-1ph-50Hz
rower suppi	у		V/PIVHZ	208~230V-1ph-60Hz	208~230V-1ph-60Hz
		Туре	8	Plate heat exchanger	Plate heat exchanger
Heat exchan		Quantity		1	1
neat exchan	ger	Rated water flow	L/min	46	86
		Pressure drop	kPa	27.5	38.5
Water system	Diameter o	finlet/outlet water pipe	mm	Ф25	Ф25
connection	Thread spe	ecification		G1	G1
Refrigerant	Gas pipe		mm	Ф15.9	Ф22.2
system connection	Liquid pipe		mm	Ф9.52	Ф9,52
Outline dime	nsion(W×D×	H)	mm	515×330×606	515×330×606
Net weight			kg	36	40

## **GMV6 HR Outdoor Units Lineup**

Model	GMV- VQ224WM/C-X	GMV- VQ280WM/C-X	GMV- VQ335WM/C-X	GMV- VQ400WM/C-X	GMV- VQ450WM/C-X	GMV- VQ504WM/C-X	GMV- VQ560WM/C-X	GMV- VQ615WM/C-
GMV-VQ224WM/C-X	•							
GMV-VQ280WM/C-X		•						
GMV-VQ335WM/C-X			•					
GMV-VQ400WM/C-X				•				
GMV-VQ450WM/C-X					•			
GMV-VQ504WM/C-X						•		
GMV-VQ580WM/C-X							•	
GMV-VQ615WM/C-X								•
GMV-VQ680WM/C-X		•		•				
GMV-VQ730WM/C-X		•			•			
GMV-VQ784WM/C-X		•				•		
GMV-VQ840WM/C-X		•					•	
GMV-VQ895WM/C-X		•						•
GMV-VQ950WM/C-X			•					•
GMV-VQ1015WM/C-X								•
GMV-VQ1065WM/C-X					•			
GMV-VQ1119WM/C-X						•		
GMV-VQ1175WM/C-X							•	•
GMV-VQ1230WM/C-X								
GMV-VQ1290WM/C-X		•					•	
GMV-VQ1345WM/C-X		•			•			•
GMV-VQ1400WM/C-X					•			
GMV-VQ1455WM/C-X							•	
GMV-VQ1510WM/C-X		•						
GMV-VQ1565WM/C-X			•					
GMV-VQ1630WM/C-X				•				
GMV-VQ1680WM/C-X					•			
GMV-VQ1734WM/C-X						•		••
GMV-VQ1790WM/C-X							•	
GMV-VQ1845WM/C-X								***
GMV-VQ1905WM/C-X		•			•		•	•
GMV-VQ1959WM/C-X							•	•
GMV-VQ2015WM/C-X		•					••	•
GMV-VQ2870WM/C-X		•					•	
GMV-VQ2125WM/C-X		•						
GMV-VQ2180WM/C-X								
GMV-VQ2245WM/C-X								•••
GMV-VQ2295WM/C-X					•			***
GMV-VQ2349WM/C-X						•		
GMV-VQ2405WM/C-X							•	
GMV-VQ2460WM/C-X							10.70	

### Specifications of ODU Combination

GMV6 HR (380-415V 3N~50/60Hz)

			Capa	acity	Dimension	Airflow		Cann	ecting of	è		Mays, funas	
IP.	f/udel	Power supply	Cooling capacity	Heating capacity	(W×D×-)	volume	ESP	Liquid	HP gas	LP gas	Min, circuit cu rent	curent	hlat weight
			RW	WW	unm	m <sup>5</sup> /h	Pa	mm	mm	m	A	A	Kg .
24	SWA- ACCOONANC X		65.0	78.3	930 × 775 × 1690+ 1940 × 779 × 1390	10600 F13600	110	Ф15,3	Ф28.4	Ф28.5	23,5+37,5	25+49	243+325
26	GMV VQ736VYM/C-X		73.0	81.5	930 × 776 × 1690 ( 1840 × 776 × 1890)	10500115400	110	019.05	023.6	0313	23.5+39.3	25+40	243) 325
38	GMV- VO784VM/C X		75.4	0.39	\$30 × 7/5 × 1690+ 1340 × 775 × 1590	0500 (18000	110	019.05	di 23.6	0.31.8	23.5 4.7	23150	2421335
30	GMV- VQ840WM/C-X		84,C	94:0	930 × 775 × 1690+ 1340 × 775 × 1900	10600#18600	110	Φ18.05	Ф28.6	Ф31,8	23,5+48	25#50	243+385
32	SMV- VOB95VMVC X		89.a	1,00.6	930 × 775 × 1690+ 1340 × 775 × 1890	0500+16900	110	Φ18.05	@28.6	031.8	23.5+49	25+60	243+389
54	GMV- VQSSOVMVC X		95.0	106,5	930 × 775 × 1690+ 1340 × 775 × 1590	11102/15500	110	#15.05	Ф28.6	Ø31,9	24.1 149	23150	2581386
36	GMV+ VQ1015WM/C-X		1C1.5	114.0	( 340×775×1690)×2	3500+18500	110	φ19,05	Ф31,8	0.38.1	37,5+49	40150	325+385
38	GMV VG1065/MWC-X		106.5	119.0	( 345 × 775 × 1690) × 2	15400118500	110	#19.05	¢131.8	0.38.1	39.3+49	40+50	323+385
40	GMV VG1119WW/C-X		111,9	125.5	[ 340×775×1690)×2	18000+15500	110	\$15.05	Ф31.8	Ø38.1	47+49	55+50	385×2
42	GMV VG1175WM/C-K		117.5	132.0	( 340×775×1690)×2	6500×2	110	#19.05	¢131.8	ch38.1	45+43	50+50	385×2
44	GMV VC1230WVVC-X		123.0	138.0	( 340×775×1690)×2	`8500×2	110	±019.05	0.31.6	033,1	49+49	50+50	385×2
46	GMV VG1230WWC-K		129.5	144.5	530 × 775 × 1690 ( 1 340 × 775 × 1690) × 2	10000110400 +16500	110	Ф19.05	Ф31.8	O 38.1	23.5+39.3+43	26+40-53	243+325+38
48	GMV- VC1245WW/C-K		134,5	150.5	830 × 775 × 1690+ ( 340 × 775 × 1690) × 2	10500+15400 +16500	110:	\$15.05	Ф31.8	Ф38.1	23.5+39.3+43	25+40-50	245+326+38
sn.	GMV- vuri4cuvvvvcix		140.0	158.5	\$20 × 775 × 1690+ [ 340 × 775 × 1690) × 2	11100+15400+18500	11/5	:610.05	di San	6413	9451593142	35 (40   50	2561925190
62	GMV- VG1455WWC X		145.5	1 53,5	\$30 × 775 × 1690+ ( 340 × 775 × 1690) × 2	10500+16500×2	110	Φ18,05	Ф36.1	Φ41.3	23 5+48+49	25+50-50	243+385 × 2
F4	SMV- VC1510WWVC-X		161.0	189,5	930×775×1690+ (340×775×1690)×2	1050C+16500 × 2	110	#15.05	Ф3А.1	041.3	23.5+49+49	26+50-50	243+385×;
56	SMV- VC1585WWCX	380 415V 3N-	156.5	175,5	030 × 775 × 1600+ ( 343 × 775 × 1690) × 2	11100+16500×2	110	\$16.05	@3A.1	041.3	24 1+49+49	25+50-50	256+385×3
58	GMV- VQ1830WM/CFK	50/50 Hz	163.0	193.0	( 340×775×1690)×3	13500+16500×2	110	019.05	4/38/1	041.3	37.5+49+49	40:150-50	325+385×3
60	GMV- VG1880WW0-X		168.0	188.0	( 340×775×1690;×3	15400+16500×2	110	ψ19.05	(1.58 th	0.41.3	39 3+49+49	40+50-50	325+385×3
€2	GMV- VG1734/MV/C-X		173.4	1.94,5	( 040 × 775 × 1690) × 3	16000 (16500 × 2	110	\$16.05	Φ33.1	Ф 41.2	47+49-49	50 (50 50	385×3
64	SMV- VG17S0WWVC-X		179.3	201.0	( 340×775×1690)×3	16500×3	110	±18.05	@38.1	Ф41.3	48+49+49	50+50+50	385×3
60	GMV- VC164GWW/C-X		1845	297.0	[ 349×776×1690)×3	16:00×3	110	±18,05	@3d.1	041.3	49+49-49	50+60-60	389×3
68	GMV- VC1806WW0-X		190.5	213.6	\$30 × 7/5 × 1690+ ( 340 × 775 × 1690) × 3	10500+15400 +18600×2	110	Ф22.2	<b>Ф41.3</b>	0.44,5	23,5+30,3+48+49	25+40+50+50	243+325 +385×2
70	OMV- VC1989WMVC-X		195.3	220,0	930 × 775 × 1690+ ( 340 × 775 × 1690) × 3	10500+16000 +18500×2	110	022.2	Ф41.3	O 44,5	23.5+47+46+49	25+50+50+50	243+385×3
72	6MV- VC2015WWVC-X		201,5	226,5	930 × 775 × 1690+ 1 340 × 770 × 1690) × 3	10900±16900 × 3	110	Φ22.2	Ф41.3	0.44,5	23,5+48+48+49	25+50+50+50	243+385×3
74	SWA ACSONOMIVIC-X		207.0	232.5	930 × 775 × 1690 i ( 340 × 775 × 1690) × 3	10500+16500×3	110	Ф22.2	Ф41,3	Φ14.5	23,5+48+49+49	25+50+50+50	243+385×3
76	GMV VG2126VMVC-K		212.5	238.5	\$20 × 775 × 1690 × f 340 × 775 × 1690) × 3	10500+16500×5	110	Ф22.2	Ø41.3	Ø44.5	23,5+49+49+49	25+50+50+50	243+385×3
78	GMV VG2180WWC X		218.0	244,5	900 × 775 × 1690 ( 340 × 775 × 1690) × 3	111CC+165C0×3	110	ψ22.2	<b>441.3</b>	Q 44.5	24,1+49+49+49	25+50+50+50	256+385 × 3
so	GMV- VC2245WWC-K		224.5	252.0	( 240 × 775 × 1690) × 4	125CC+165C0×3	110	Ø22.2	Ф41.3	Ø44.5	37,5+40+49+49	40+50+50+50	325+385×3
92	OMV- VCZZSSWIVO X		220.6	267.0	( 340 × 776 × 1600) × 4	15200+16500×3	110	P02.2	Ø41.9	m 44.5	30.3+10+10+10+10	40460460460	926+986×1
51	GMV VC2549/MV/VC+K		234.9	283.5	( 3A0 × 775 × 1690) × 4	16000+16500 × 3	11¢	Ф22.2	Ф41,3	0.14.9	47-49+49+49	50+50+50+50	385×4
86	OMV- VC24C5WWC-X		240.5	276,0	( 340 × 775 × 1690) × 4	16500×4	110	Ф22.2	\$41.3	044.5	45-49+49+49	50+50+50+50	385×4
88	GMV VC2460MMVC-x		246.5	276.0	1 340 × 775 × 1690) × 4	16:00 × 4	110	Ø22.2	Ø41.3	(0.44,5)	49-49+49+49	50+50+50+50	385×4

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



## **GMV X Heat Pump**

- High-efficiency EVI Compressor
- High-efficiency Heat Exchanger Design
- Multiple Protection Technologies
- CAN+ Communication Technology
- Intelligent Control and Management
- Clean and Healthy Fresh Air

- Multiple Professional Noise Reduction Technologies
- Precise Oil Control for Stable Operation of Compressor
- Self-adaptive Drive Technology
- Super Long Refrigerant Pipe Design
- High Static Pressure Design



### GMV X All DC Inverter VRF

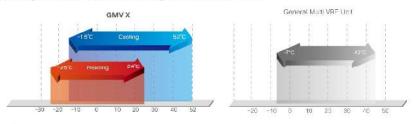
#### Wide Capacity Range

15 basic models with a capacity range of 8HP-36HP, support 4-module combination. The maximum combination is 128HP for wider cooling capacity range, and the adaptability of engineering capacity design is further improved.



### Wide Operation Range

-25 °C-52 °C stable operation to provide users with comfortable environment in both cold and hot weather, operating ambient temperature for cooling can be as low as -15 °C.

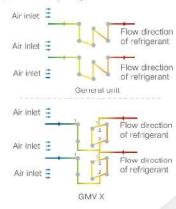


Cooling at -15--5°C is conditional. Flexise inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.

### Super-large High-efficiency Heat Exchanger Design

The advanced integrated molding process scheme is adopted. The length of the single heat exchanger is up to 3.6m, which improves the space utilization efficiency, the heat exchanger area and the heat exchange efficiency. The differential partition design of the flow path of the heat exchanger makes the flow more reasonable; combined with the 1-2-2-1 flow path design, the efficiency is higher.





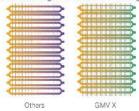
#### Multi-row Small Diameter Design

High-efficiency multi-row small pipe diameter design is adopted, which improves the heat exchange coefficient and overall heat exchange effect.



#### Small Pitch Corrugated Heat Exchanger Fins

Small-spacing corrugated heat exchange fins with hydrophilicity is adopted, so that the overall heat exchange efficiency is higher and the corrosion resistance is stronger for easier defrosting.



### Ultra-large Displacement Compressor Design

Ultra-large displacement compressor is adopted, so that the compressor quantity of the same cooling capacity is less, resulting in higher energy efficiency and more reliable system.



### Compressors Combination with Different Capacities

Some units use the combination of a large-capacity compressor and a small-capacity compressor, which greatly improves the adjustment accuracy comparing with two compressors of the same capacity.





### Comfortable and Healthy Experience

#### 360 ° Surrounding Airflow

Wide air supply range, more uniform temperature distribution, more comfortable experience.



#### Independent Swing Control

The four air louvers can be controlled independently, and the air supply direction can be adjusted independently to achieve different angle combinations to avoid direct air blowing.

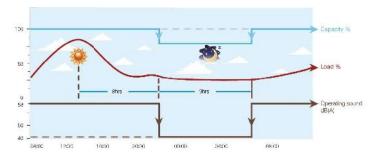


\* This function needs to be used with wired controller XE70-33/H.

#### Noise Control Technology

#### 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. For example, the unit can automatically enter night mode after working for 8 hours, and resume to normal operating mode after 9 hours.



#### Quiet in Compulsion

When the unit is installed in an environment with high noise requirements, it needs to operate silently during the day or night. Then you can choose three mandatory settings of quiet modes to ensure that the unit operates in low noise mode at any time, and the noise value can be as low as 40dB (A).



115 116

## Clean and Healthy Fresh Air

#### Fresh Air System

GMV X can be matched with fresh air indoor unit and ERV system. Meanwhile, fresh air accessory, highefficiency filter and other clean and healthy fresh air solutions are optional, to achieve dual functions of air conditioning and fresh air, and greatly improve the indoor air quality.

Fresh Air System satisfies multiple indoor fresh air supply demands.



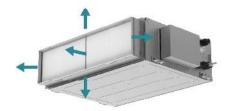
#### Fresh Air Accessory

The Cassette type unit can be work with fresh air accessory to efficiently introduce 8%-10% of outdoor fresh air.



#### High-efficiency Filter

The high-efficiency filter can effectively remove PM2.5. One pass purification efficiency ≥ 90%,



## **ODU Specifications**

	Model		GMV-224WM/B-X(F)	GMV-280WM/8-X(P)	GMV-335WM/B-X(P)	GMV-400WM/B-X(P)	GMV-450WM/B-X(P)
Capacity range		HP	8	10	12	14	16
Coping capac	ity.	kW	22.4	28.0	32.5	40 D	45.0
Heating capa:	ity	kW	25.0	31.5	37.5	45.0	50.0
EER		WW	4.55	4.30	4.14	4.14	3,97
cor		WW	5 23	5.08	4.58	4.51	4,45
Fower supply		W/Ph/Hz		3	880-415V 3N- 50/60H	17	
Min. circuit/Ma	x. fuse current	Λ	19 9/20,0	22,4/25.0	23.3/25.0	28.8/32.0	31,0/32 0
Power	Cooling	KW	A 92	6.51	8.09	9.66	11.34
consumption	Heating	KW	4.78	6.20	8,19	9.98	11.24
Airflow volume		m³/h	9750	10500	11100	13500	15400
ESP		Pa	80	80	80	90	80
Max drive IDU	NO.	unit	13	16	19	23	26
Sound pressur	e level	38(A)	PR	59	61	51	62
Refrigerantich	arge volume	kg	5	5	5.2	5.5	7
Connecting	Liquic	mm	Φ9,52	Φ9.52	Ф12.7	Ф12.7	Ф12.7
pipe	Gas	mm	Ø19.05	Ф22.2	tb25.4	Ф25.4	C 28.6
Dimension	Outline	mm	930 × 775 × 1600	930 × 775 × 1690	930 × 775 × 1690	1340 × 775 × 1690	1340×775×1690
$(W \times D \times H)$	Package	mm	1000 × 830 × 1855	1000 × 830 × 1855	1000 × 830 × 1855	1400 × 830 × 1855	1400 × 830 × 1855
Net weight/Gr	oss weight	kg	210/220	210/220	215/225	280/295	280/295
Loadino	40' GP	unit	28	28	28	22	22
quantity	40° HQ	unit	28	28	28	22	22

	Magel		GMV 504WM/B X(P)	GMV 550WM/B X(P)	GMV 615WM/B X(P)	GMV 680WM/B X(P)	GMV 730WM/B X(F
Capacity range	e	H≥	18	20	22	24	26
Cooling capac	ity	KW	50.4	56.0	61.5	68.0	73.0
Heating capac	ity	kW	56.5	0.58	69.0	78.0	82,5
EER		WW	3.90	3.86	3.62	3.32	3,42
COP		WW	4 17	4.13	3.89	3,60	3,78
Power supply		WPh/Hz			80 415V 3N - 50/60H	lz	
Min. c rouit/Ma	ix, fuse current	A	31 5/X,0.C	39.3/10.0	46.1750.0	46.1/50.0	49,3753.0
Power	Cooling	KW.	12.92	14.49	17.01	20.50	21.50
consumption	Heating	KW	/3.55	15.25	17.75	21.11	21.80
Airflow valume		m²/n	16000	16500	16500	16500	26000
ESP		Pa	80	80	80	90	50*
Max drive IDU	NO.	unit	28	33	36	39	43
Sound pressur	re level	dB(A)	63	64	65	86	66
Refrigerant chi	arge volume	kg	7.5	7.5	7,8	7.8	11
Connecting	Liquid	mm	Φ15.0	Ф15.9	ф15.9	Ф15.0	ф19,05
plpe	Gas	mm	Ф 28.6	Ф28.6	Ø28.6	Ф28.6	O31.8
Dimension	Outline	mm	*340 × 775 × 1890	1340 × 775 × 1890	1340 × 775 × 1690	1340 × 775 × 1680	1780 × 835 × 1795
$(W \times D \times H)$	Package	0000	1400 × 830 × 1955	1400 × 830 × 1866	1400×830×1855	1400 × 800 × 1855	1828 × 913 × 1986
Net weight/Gr	oss weight	kg	285/300	325/340	325/840	325/340	425/450
Loadind	40' GP	unit	22	22	22	22	13
quantity	40° HO	unit	22	22	22	22	13

- 1. Cooling Casacity: Indoor temps: 27°C D8, 19°C W8, Outdoor temps: 35°C D8, Equivalent piping length: 7.5 m, Level difference: 0 m, Healing Capacity: Indoor :emps: 20°C D8, Outdoor temps: 7°C D8, 6°C W8, Equivalent piping length: 7.5 m, Level difference: 0 m, 2. Sound Pressure Level: Anechoic chamber conversion value, measured at a position in front of the unit in a semi-anachoic room.

- During actual operation, the value may be higher due to ambient noise and others of the instalation conditions, 3. For the model of GMV-730-1010WW/8-X(1), customized engineering service is needed if the cutodor static pressure is more than bPa.

	Meda		GMV-785WM/B-X(P)	GMV-850WM/3-X(P)	GMV-900WM/B-X(P)	GMV-952WM/B-X(P)	GMV-1010WM/B-X(P
Capacity rang	0	HP	28	30	32	34	36
Cooling capac	ity	kW	78.5	85,0	0.0E	95.2	101.0
Heating capac	ity	kW	87,5	95.0	100.0	106.0	112.0
EER	*	W/W	3,27	3.20	3,14	3,08	3,01
COP		W/W	3.80	3,52	3.39	3,35	3.27
Power supply		V/Ph/Hz			380-415V 3N~ 50/60Hz		
Min. circuit/Ma	ax. fuse current	A	52.2/63.0	57,2/63.0	53,7/63.0	60.1/63.0	61.8/63.0
Power	Cooling	kW	24.00	26.60	28.70	30.90	33.50
consumption	Heating	kW	24.30	27.00	29.50	31.60	34.20
Airflow volume		m²/h	26000	26000	29000	28000	28000
ESP		Pa	50°	50*	50*	50°	501
Maxidrive IDU	NO.	unit	46	50	53	56	59
Sound pressu	re level	dB(A)	67	67	68	68	59
Refrigerant on	arge volume	KG.	11	11	12	12	12
Connectina	Liquid	mm	Ø19.05	Ф19,05	@19.05	Ф 19.05	Ф19.05
pipe	Gas	mm	Ф31.8	Ф31.8	Ф31.8	Ф31.8	Ф38.1
Dimension	Outline	mm	1760 × 835 × 1795	1760 × 835 × 1795	1760 × 835 × 1795	1760×835×1795	1760 × 835 × 1795
(W×D×H)	Package	mm	1828 × 913 × 1988	1828 × 313 × 1986	1828 × 913 × 1986	1828×913×1986	1828 × 913 × 1986
Net weight/Gr	oss weight	KC	425/450	425/450	455/480	455/480	455/480
Loading	40' GP	ur1	13	13	13	13	13
cuantity	40' HQ	unt	13	13	13	13	13

- Notes:
  1. Occling Capacity: Indoor temps: 27°C DB, 19°C WB, Outdoor temps: 35°C DB, Equivalent piping-length: 7.5 m. Level difference: 0 m. Heating Capacity: Indoor temps: 20°C DB, Outdoor temps: 7°C DB, 6°C WB, Equivalent piping-length: 7.5 m. Level difference: 0 m. 2. Sound "Pessure Level: Anectroic chamber conversion value, reasoned of a position in front of the unit in a Sem-anectroic computing actual operation, the value may be higher due to ambient noise and achoes of the installation conditions.

- 3. For the model of GMV-730~1010WM/B-X(P) customized engineering service is needed if the buildoor static pressure is more than 0Pa.

HP	Model	8	10	12	14	18	18	20	22	24	26	28	30	32	34	36
8	GMV-224WM/B-X(P)															
10	GMV-280WM/B-X(F)															
2	CMV-335WM/B-X(P)															
14	GMV-400WM/B-X(P)															
16	GMV-460WM/6-X(P)															
.0	GMV-504WM/B-X(P)															
20	GMV-560WWB-X(P)															
22	GMV-615WM/B-X(P)															
22	GNV 680WM/B X(P)															
26	GMV-730WWB-X(P)															
28	GMV-785WM/6-X(P)										-					
30	GMV-850WM/H-X(P)															
32	GNV SOOWM/B X(P)															
34	GMV-952WM/B-X(P)															
36	SWV-1010WW/3-X(P)															
38	3MV-1065WW/3-X(P)															
40	CMV 1118WW/3-X73;															
42	GMV-1184WM/3-X(P)															
44	3MV-1230WW/3-X(-)															
76	3 MV-1295WM/3-X(P)															
48	GMV-1360WW/3 XP;									00						
50	SMV-1410WM/3-X(P)															
52	3 MV-1460WM/3-X(P)															
54	GMV 1500WW/3 X(P)															
56	GMV-1580WW/3-X(P)															
58	3 MV-1635WM/3-X(P)															
60	GMV 1700WW23X(P)															
62	CMV-1750WW/3-X(°)															
64	GMV 1795WM/3 XIP;															
66	GMV-1960WM/3-X(P)															
68	GMV-1910WM/3-X(2)												-			
70	GMV-1962WM/3-X(P)	-	1		-	-		-			-			-		
72	3 MV-2020WM/3-X(P)						-		-							
74	GMV-2080WM/3-XIP(										-					
76	GMV 2145WM/1 X(2)														_	
78.	GMV 2210WM/1-XIP														_	
BC	3 MV 2240 WM/3 X(P)														_	
82	3 VIV 2312WW/3 X(P)		-				-			0.0						-
84	3 VIV-2370 WIV/3-X(2)														-	
96	9 MV-2430WM/3-XIP;												•			
88	GMV-2480WM/3-X(P) 3 MV-2532WM/3-X(P)															
90												-		-		
	GMV 2584WM/3 X(2)								_							
96	SMV-2642WW/3-X(P)															
-	3 MV 2700 WW/3 X(P)	-			-			-							0.0	
98	@MV-2754WM/3-X(?)															
100	GMV-2812WM/3-X(P)												250			
102	CMV-2870WM/3-X(2)												•			200522
104	3 MV-2920WM/3-X(P)													•	-	00
	3 MV-2972WM/3-X(P)															
108	3 MV-3030WM/B-X(P)															
110	@MV-3110WM/3-X[P;													-		
112	@MV-3160WM/3-X(?)							-	-	0.0				0.0	_	
114	0 MV-3195WW3-X(P)								•							
118	3 VIV-3250WW/3-X(?)															0.0
118	CMV 3315WM/3 X(*)															• •
122	GMV 3380WMV3 K(2)									••	_					••
122	GMV-3430WM/B-X(P)										•			000		
124	GMV-3485WW/3-X(P)													000		
125	CMV-3550WM/3-X(?)													000		
128	GMV 3800WW/3 X(P)													0000		

# **ODU Combination Lineup**

# **ODU Combination Specifications**

HP.	Made	Fower	Cap	acity	Fow	er tipo,	Dimension(W × C × H)	Airlicw volume	ESP	Conre		Mir.circult current	Max. fuse current	Net weight
	7.400	supply	Cooling	Heating	Cocing	Heating				Lique	Gas			
			KW	KW	kW	kW	mm	m³/n	Pa	mm	mm	Δ	А	kg
38	GWV-1065WW8-X(P)		106,5	119.0	28,35	28,99	(1340 × 775 × 1690) × 2	5400+16500	50	Ф1905	©38,	31,0-46,1	32+50	280+325
40)	GMV-1119WW/B-X(P)		111.9	125.6	29,93	31,30	(1340 × 775 = 1650) × 2	10000+16500	50	Ф1906	Ф38,	21,5-46,1	40+50	285+325
42	GMV-1184WMVR-X(P)		118.4	192.5	33.42	34.68	[1340×775×1690]×2	16000+16500	50	Ф1905	©38.1	31.5-46.1	40+50	285+325
62	GMV-1230WM/B-X(P)		123.0	138.0	34,02	36,50	(1840 × / /5 × 1690) × 2	16500+16500	50	O 1905	Ф38,1	46,1-46,1	50+50	325×2
с6	GWV-1295WW/6-X(F)		129.5	145.0	37,51	38,86	(1340 × 775 × 1690) × 2	16500 × 2	50.	Ф1905	Ф38,	46,1-46,1	£0+60	325×2
48	GMV-1360WIV/B-X(P)		136.0	152,0	41,00	42.22	(1840 × 775 × 1690) × 2	16500×2	50	Ф1905	Φ38.	46.1=46.1	50+50	325 × 2
50	GMV-1410WMVB-X(P)		141.0	158,0	41,09	42.25	(1349 × 775 × 1690) +(1760 × 835 × 1795)	6500+26000	50	Ф1905	041,3	39,3+67.2	40+83	325+/28
52	GMV-1465WMVB-X(F)		146.5	164.0	43.61	44.75	(1340×775×1690) +(1760×836×1796)	18500+26000	50	<0.1905	041,3	46.1-57.2	50+63	325+425
54	G VIV-1530VWV/B-X(P)		153.0	171.0	47.10	48. 1	(1340×776×1690) -(1760×836×1708)	6500+26000	50	Ф1905	041.3	46.1 = 57.2	50+63	325+425
ıij	GMV-1E80WMVB-X(P)		158.0	176.0	49,20	50,61	(1340×775×1690) +(1760×835×1795)	15500+28000	50	Ф1905	041.3	46,1-58,7	±0+63	325+456
5C	GMV 1635WWWB X(F)		160.5	182.5	50.60	51.30	(1760 × 305 × 1795) × 2	26000×2	50	Ф1905	041.0	52.2 67.2	£31£3	425×2
in:	GMv-1700Wv/R-x(P)	380- 415V	170.0	190.0	63.20	64,00	(1790 × 835 × 1795) × 2	36000×2	50	@1905	041.3	£7.2+57.2	63+63	425 × 2
12	GWM-1750WM/B-X(P)	50/ 50/ 50/12	175.0	1950	55.30	56.50	(1760 × 895 × 1795) × 2	26000+28000	50	Ф1905	041.3	57.2-68.7	63+63	425+456
54	GMV-1795WW/B-X(P)		179,5	199,5	87,60	58,50	;1760 × 835 × 1765) × 2	26000+28000	50	Ф 1905	041,3	52,2-61,5	63+63	425+455
66	GMV-1860WM/B-X(P)		186.0	207.0	60,20	61,20	(1760 × 835 × 1706) × 2	26/000+28600	50	Ф 1905	Ф41.3	57.2-61.S	63+63	425+455
58	(9VIV-1910WIV/B-K(P)		191.0	212.0	62.30	63.70	[1780 × 885 × 1785] × 2	28000×2	50	Ф23.2	044.5	68.7-61.8	63+63	455 × 2
70	GMV-1962WW/B-X(P)		196.2	218.0	64,50	66,60	(1780 × 835 × 1795) × 2	29000×2	50	Ф22.2	044.5	60,1-61,6	63+63	456 × 2
72	GMV 2020WWB X(F)		202.0	224.0	67.25	60.40	(1760 × 035 × 1795) × 2	28000 × 2	50	Ф21.2	0.44.5	a, a.a.ra	63163	455 × 2
14	G VIV-2C80WIV/b-X(P)		208.0	233.0	60,62	62.50	(1340 × 175 × 1690) × 2+(1760 × 836 × 1796)	16500×2+25000	50	Ф22,2	044,5	46,1-46,1 -67,2	50+50-53	325 × 2-42'
76	GMV 2145WW/D XIP)		214.5	240.0	64.11	65,68	(1340×775×1890)× 2+(1760×835×1795)	16500×2+26000	50	052.2	044,5	46.1-46.1 -57.2	50+50-53	325 × 2 · 42
7G	GMV 2510WMVG X(P)		221.0	247.0	87,65	69.22	(1340×775×1890)× 2+(1760×835×1795)	16500×2126000	50	ф21.2	Ø44.5	46.1 -46.1 -57.2	50:50:52	325 × 2 · 42
30	G MV-2240WMVb-X(F)		224.0	290.0	67.62	69.70	(13/10×775×1890)× 2+(1/60×8数×1/95)	16600×2+29000	50	Ф22,2	Ø44.5	46,1+46,1 +61.8	50+50-52	326 × 2-46
12	GVIV 2312WM/B X(F)		231,2	253.0	71.95	73,62	(1340×776×1690)× 2+(1760×835×1795)	16505×2126300	50	Ф22.2	O44,5	46.1 -46.1 +60.1	50(50/53	325 × 2 45

		Down	Cap	anty.	Produ	or input	Dimension(W×D×H).	Aldlow volume	ESP	Conn	ecting oc	Min.crouit	Max. fuse	Net weight
TIP	Model	Power supply	Cooling	risating	Cooling	Hesting		0.0000000000000000000000000000000000000		Liquid	Gas	COHER	JOHNSON:	
			k/A/	kW.	kW	HW	rent	m <sup>2</sup> /h	Pa	mm	min	Α	Λ	×g
84	GMV-23/UWM/E-X(P)		237.0	264.0	74,00	76,42	(1340×7/5×1690)× 2-(1760×836×1796)	16500 = 2+28000	60	Φ22,2	Ф 64,6	46,1-46,1 +61,9	50+50+63	326 × 2+466
88	GMV-2430WM/8-X;P)		243.0	<b>971.0</b>	76.80	77.61	(1760×835×1795)×2	18500+26000 -28000	50	Ф29.2	Ф44.5	46.1 - 67.2 + 59.7	50+63+83	325+425+458
88	GMV-2480WM/5-X(P)		248.0	276.0	7730	80,11	(1340 × 775 × 1590)+ (1760 × 835 × 1795) × 2	16500+28000 × 2	50	Φ22/2	Φ41.5	46,1=58,7 +58,7	50+63+63	325+455×2
95	GMV-2532WM/5-X(P)		253.2	282.0	80.10	82.21	(1340×775×1590)+ (1760×835×1795)×2	16500+28000×2	50	₫:22.9	Ф44.5	46.1-58.7 -60.1	50+33+53	325+455×2
92	GMV-2e84WM/b-XIP)		258.4	288.0	82.80	84.31	(1340 × 775 × 1390) t (1760 × 535 × 1795) × 2	16500+28000×2	50	Ф22/2	Ф49,5	46.1 60.1 +60.1	50+53+53	525+455 × 2
94	GMV-2842WM/8-X;P;		264,2	294,0	35.00	88,91	(1340×775×1590)+ (1760×635×1796)×2	16500+28000×2	50	Ф22.2	Ф44.5	46.1-60.1 +61.8	50+53+53	325+455×2
95	GMV-2700WM/5-X(P)		270.0	300.0	87.10	89.41	(1340×775×1590)) (1760×835×1795)×2	16500+28000×2	60	Φ22,2	@69,U	40,1+61,5+61,6	50+53+63	32b+45b × 2
98	GMV-2764WM/6-X(P)		275.4	307.0	38.40	90.20	(1760 × 830 × 1790) × 3	26000+28000 × 2	50	<b>0</b> 25.4	Ф51,4	54.2#60,1#60.1	63+63+63	425+455×2
190	GMV-2812WM/5-X(P)		281.2	315,0	91,10	92.80	(1760 × 836 × 1796) × 3	26000+28009×2	50	Φ25,4	Ф51,⊀	57.2+60,1+61.8	63+33+83	425+455×2
102	GNV-2870WM/S-X(P)		287.0	319.0	93.60	95,40	(1760 × 535 × 1795) × 3	26000+28000×2	50	0.25.4	:051.4	37.2+61.5+61.5	63+53+63	425+455×2
104	GMV 2920VM/0 X(P)		292.0	024.0	95.90	97.90	(1760 × 635 × 1795) × 3	20000×3	50	Ф2E,4	Ф51.4	50.7 (61.8 (61.8	63163163	455 × 3
resg	GMV-2572WM/R-X(P)	380-	297.2	230.0	98.10	100.00	(1760×830×1790)×3	28903×3	55	₫20.4	Ф51.4	8.19-8.19+1.00	68+68+68	466 × 3
108	GMV-3030WM/5-X(P)	415V 3N-	303.0	336/0	100.80	102.60	(1760 × 83a × 179a) × 8	28000×3	60	Ф25,4	Ф51,3	61,8+61,8+61,8	63+53+53	455×3
110	GMV-2110WM/E-X(P)	60Hz	311.0	347.0	96,50	08.72	(1340 × 7/6 × 1690) × 2 +(1760 × 830 × 1799) × 2	16500×2+ 26060+28000	50	Ф28,4	Ф51.4	46.1-46.1 +57.2+58.7	50+50 +63+63	325 × 2 +425+456
112	GMV-2160WM/S-X(P)		218.0	352.0	98.40	10°.22	(1340 × 7/5 × 1590) × 2 (1765 × 335 × 1795) × 2	16500×2 +26000×2	50	Φ2E,4	Ф51.4	46,1-46,1 (56,7)56,7	50+50 153183	325 × 2 1455 × 2
114	GMV-8196WM/6-X(P)		319.5	356,0	98.70	101,40	(1340 × 7/5 × 1590) × 2 +(1760 × 835 × 1795) × 2	16500×2 +26000×2	60	Ф.25,4	Ф51,4	39,3-46,1 +61,8+61.6	40+50 +63+63	325 × 2 +455 × 2
116	GMV 3250WM/5 X(P)		325.0	362.0	101,22	100.90	(1340 × 775 × 1690) × 2 +(1760 × 835 × 1795) × 2	16500 × 2 +28000 × 2	50	ф 25.4	Ф51.4	46,1 -46,1 +61,8+61,5	50+50 +63+63	325 × 2 +455 × 2
118	GMV-3310WM/6-X(P)		331.5	365.0	10471	107.26	(1340 × 7/9 × 1690) × 2 +(1760 × 836 × 1796) × 2	16500 × 2 +28000 × 2	50	@25.4	Ф57,4	46.1-46.1 +61.8+61.8	50+50 +63+63	325 × 2 +466 × 2
120	GMV-3380WM/6-X(P)		336.0	376.0	108.20	110.62	(1340 × 775 × 1630) × 2 +(1760 × 835 × 1796) × 2	16500 × 2 +28000 × 2	50	Ф 26.4	Φ51,4	46.1 -46.1 +61.6+61.5	50±50 +63+83	325 × 2 +465 × 2
122	GMV-3430WM/5-X(P)		345.0	382.5	107.60	110.50	(1769 × 835 × 1795) × 4	26000+26000+3	50	(0:25.4	di 51.4	49.3-68.7 +58.7+58.7	63+63 +63+63	425+435×3
124	GMV-3485WM/5-X(P)		348.5	387.5	11010	112,80	(1760 × 838 × 798) × 4	26000+28000 × 3	50	Φ25,/1	Ф51.4	52.2+58.7 +58.7+56.7	63+63 +63+63	425+455×3
126	GMA-3550WM/6-X(P)		365.0	395.0	112./0	116.60	(1760 × 83e × 179e) × 4	26000+28000×3	50	Φ23.A	Ф51,4	57:2:58.7 +58.7+58.7	65163 163163	425+456 × 3
128	GMV-3600WM/E-X(P)		360.0	400.0	114.80	118.00	(1760 × 635 × 1795) × 4	28000×4	50	<b>0</b> 28.4	Ф51.4	38,7-58,7 158,7155,7	63+63 1631.53	456 × 4

## **GMV X Cooling Only** •



### GMV X All DC Inverter VRF

#### Efficient Performance -

#### New High-efficiency Scroll Compressor

The efficient scroll compressor adopts superior high-pressure cavity design, without inhalation and overheating loss, and can achieve 0-390Hz speed adjustment.

1 High-strength asymmetric line Adopt the high-strength asymmetric line to effectively reduce the loss of air inhalation and air exhaust for improving the volumetric efficiency.

2 Floating back pressure step-type axial spaling

Automatically adjust the seal with the working conditions, realizing efficient compression under the whole working conditions.

3 Low-modal rotor bearing support structure

Low noise operation under 10-130rps wide rotating speed range



4 Exhaust pulse inhibitory structure Reduce the noise for quiet operation.

5 High convex ratio design

The new high efficiency magnetic reluctance motor, with multi-layer magnetic barrier structure, is stronger than ordinary Dc Invoter motor, with strong magnetic ability and high efficiency.

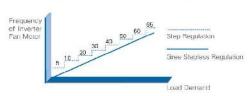
(a) High-reliable permanent magnet

It adopts permanet magnet with positive coercivity coefficient. Its resistance to demagnetization increases with the temperature rising. It's suitable for high temperature and high pressure environment.

#### Sensorless DC Inverter Fan Motor

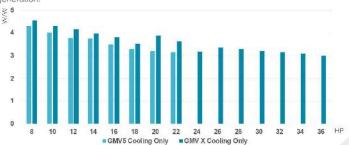
Adopt the DC inverter motor with high back electromotive force to realize stepless speed adjustment within 5~65Hz, and the precision is 1Hz, with low operating current, low motor input power, and high efficiency.





### High Efficiency and Energy Saving

With the new generation of high-efficiency system design, EER has been increased by 10% over the previous generation.



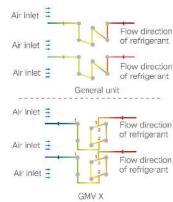
123 124

#### The Largest Overall High-efficiency G-shape Heat Exchanger

#### G-shape Integrated Heat Exchanger

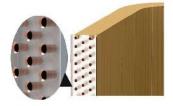
The advanced integrated molding process scheme is adopted. The length of the single heat exchanger is up to 4.2m, which improves the space utilization efficiency, the heat exchanger area and the heat exchange efficiency. The differential partition design of the flow path of the heat exchanger makes the flow more reasonable; combined with the 1-2-2-1 flow path design, the efficiency is higher.





#### Multi-row Small Diameter Design

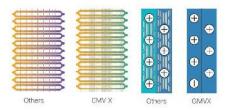
Single pipe of refrigerant pipeline adopts  $\varphi$ 7mm and 3-row design, which can reduce the flowing resistance of refrigerant inside the pipe and effectively increase the heat exchange area of refrigerant, so as to optimize and improve the heat exchange efficiency.



\*Note: Applicable for some models.

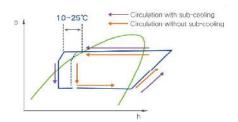
#### Small Pitch Corrugated Heat Exchanger Fins

Small pitch corrugated fins design to increase effective contact area between fins and the air, for more sufficient heal exchange of refrigerant and higher heat exchange efficiency.



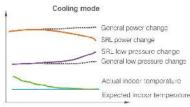
#### **Enhanced Sub-cooling Design**

With maximizing sub-cooling technology, maximum sub-cooling reaches 25 °C , which can ensure the operating performance under the long connection pipe.



#### SRL Load Self-adapting Control

SRL(Self-Reaction Load) can intelligently detect and control refrigerant pressure and temperature according to user status and indoor temperature changes, automatically adapt to indoor load and achieve energy-saving balance control.



#### Double Energy-saving Modes

With the deepening of energy conservation and emission reduction, and the increasing requirements for urban electricity consumption, especially during the peak season of electricity consumption in summer, many cities will issue corresponding electricity curtailment measures. GMV X has a variety of operating modes for users to choose, to meet the city's peak power consumption and power limit requirements.

#### Capacity Priority Mode

When the power supply is sufficient, it will satisfy the using capacity demand in priority. This mode is default mode.

#### Auto Energy-saving Mode

When this mode is activated, the system will automatically adjust the control parameters according to operating status, and automatically balance the capacity and energy consumption to realize the minimization of bilateral impact.

#### Compulsory Energy-saving Mode

Compulsorily limit the output of outdoor unit to satisfy the using capacity demand in priority. 90% and 80% capacity proportion can be selected to limit the output according to the power consumption of unit and user demand.

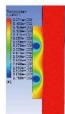


## High Reliability

### Refrigerant Cooling Technology

The mainboard uses refrigerant cooling, which improves the operating temperature of the driver components, prolongs the service life, and improves the stability and reliability of the unit.

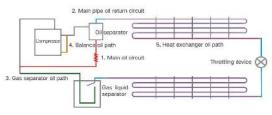




### GMV X All DC Inverter VRF

#### Multi Oil Circuit Management

5 major oil paths ensure the smooth and reliable oil circuit.

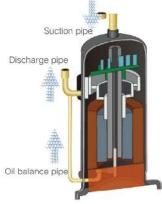


#### Reliable Oil Circuit Control Technology

GMV X Cooling Only has four advanced refrigerating oil circulation control technologies of oil separation, oil return, oil balance and oil storage, ensuring the safety and reliability of the compressor operation.

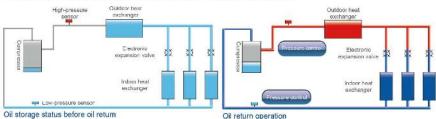
#### Oil Balance Control Technology

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.



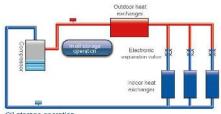
#### New Oil Return Control

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.



#### Sepcialized Compressor Oil Storage Control

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



Oil storage operation

## Easy Installation and Service »

#### Wide Capacity Range

15 basic models with a capacity range of 8~36HP support up to 4 models combination. The maximum combination is 128HP for wider cooling capacity range, and the adaptability of engineering capacity design is further improved.

15 basic models, capacity range 8HP-36HP







8-24HP combination models: 36 Combination models capacity range: 26HP-96HP Support up to 4 models combination



26-36HP combination models: 37 Combination models capacity range: 52HP-128HP Support up to 4 models combination(Max. 128HP)



#### Smaller Footprint, Saving Installation Space

The new generation 24HP model footprint is 41% lower than the previous generation; 36HP is 6% lower than the previous generation.



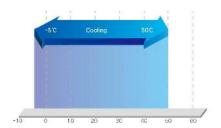
#### Self-balancing Control without Oil Balance Pipe

There is no need for external oil balance pipe. By collecting and calculating the capacity output and threshold of each module, the distribution of refrigerating oil is automatically controlled to ensure stable operation of the system.



### Wider Operating Range

Outdoor operating temperature range is improved to -5  $^{\circ}\text{C}$  ~50  $^{\circ}\text{C}$ 



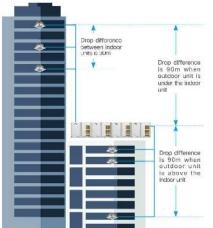
#### Super-high Static Pressure Design

The unit has four kinds of static pressure (0Pa, 30Pa, 50Pa, 82Pa). You can choose corresponding static pressure according to the building type.



Note: Applicable for some models.

#### Long Refrigerant Pipe Design



#### The outdoor unit to the farthest indoor unit:

- The maximum equivalent single pipe length is 190m
- The maximum actual single pipe length is 165m
- The maximum total connection pipe length is 1000m
- The maximum distance from the indoor unit to the first branch pipe is 90\*m.

## Maximum drop difference between indoor unit and outdoor unit:

- Drop difference is 90m when the outdoor unit is below the Indoor unit
- Drop difference is 90m when the outdoor unit is over the indoor unit
- Maximum drop difference between indoor units is 30m.

#### New Generation Refrigerant Recovery Function

The new generation of indoor unit refrigerant recovery and module refrigerant recovery functions can effectively recover the refrigerant of the indoor unit or the faulted outdoor unit during after-sales maintenance, reducing refrigerant waste and saving maintenance time.





<sup>\*</sup>Please consult the sales representatives for details.

## **ODU Combination Lineup**

	Model		GMVL-224WM/ A-X(P)	GMVL-280WM/ A-X(P)	GMVL-335WM/ A-X(P)	GMVL-400WM/ A-X(P)	GMVL-450WM/ A-X(P)
Capacity range		HP	8	10	12	14	16
Cooling capacit	ly	KW	22.4	28.C	33.5	40.0	45.0
EER	755	W/W	4.55	4.30	4.14	3,95	3.79
Power supply		V/Ph/Hz			80-415V 3N~ 50/60H	łz	
Min. circuit/Max	c fuse current	A	16.1/20.0	20.9/25.0	24.0/25.0	28.8/32.0	33,2/40,0
Power consumption	Cooling	kW	4.92	8.51	8.09	10.12	11.88
Airflow volume		m³/h	11400	11400	11400	14000	14000
ESP		Pa	82	82	82	82	82
Max.drive IDU h	VO.	unit	13	16	19	23	26
Sound pressure	e level	dB(A)	58	59	61	61	62
Refrigerant cha	rge volume	kg	5.9	8.7	8.7	8.7	8.7
Connecting	Liquid	mm	Ф9,52	Ф9.52	Ф12.7	Ф12,7	Φ12.7
plpe	Gas	mm	Ф19.05	Ф22.2	Φ25.4	Ф25.4	Ф29.6
Dimension	Outline	mm	930 × 765 × 1605	930 × 765 × 1605	930 × 765 × 1605	1340 × 765 × 1605	1340 × 765 × 1605
(H×O×W)	Package	mm	1010×840×1775	1010×840×1775	1010×840×17/5	1420 × 840 × 1775	1420 × 840 × 1775
Net weight/Gra		kg	215/225	215/225	215/225	275/290	275/290
Loading	40' GP	unit	28	28	28	22	22
quantity	40' HQ	unit	28	28	28	22	22
500 1800 A	Model		GMVL-504WM/ A-X(P)	GMVL-560WM/ A-X(P)	GMVL-615WM/ A-X(P)	GMVL-680WM/ A-X(P)	GMVL-730WM/ A-X(P)
Capacity range		HP	18	50 6. VE)	25	24	26
Cooling capacit		kW	50.4	56.0	81.5	68.0	73,0
EER	-y	MANA	3.52	3.86	3.62	3.16	2.35
Power supply		V/Ph/Hz	0.02		80-415V 3N - 50/60H		2.00
Min. circuit/Max	funo current	A	35.1/40.0	39.3/50.0	42.9/50.0	49.2/63.0	53.6/63.0
Power		and the s					
consumption	Cooling	kW m³/h	14.30	14,49	17.01 16000	21.53	21.79 26000
Airflow volume ESP			82	1.7.7.7.7.			
	10	Pa	29	82	82 36	82 39	30*
Max.drive IDU f	170	unit	1777	33			43
Sound pressure		dB(A)	63 8.7	64 14.3	65	66 14.3	66
Refrigerant cha	Liquid	kg	Φ15.9	Φ15.9	Φ15.9	Ф15.9	11.0 Φ19.05
Connecting		mm					
pipe	Gas	mm	Φ28.6 1340 × 765 × 1605	Ф28.6	Φ28.6 1340×765×1740	Φ28.6 1340×765×1740	Ф31,8
Dimension (W × D × H)		mm		1340 × 765 × 1740			220E × 880 × 167!
The state of the s	Package	mm	1420 × 840 × 1775 275/290	1420×840×1910 375/390	1420 × 840 × 1910 375/390	1420×340×1910 375/390	2267 × 952 × 1867
Not weight/Gro		kg	71 2000000000000000000000000000000000000	2-25-42-50-50-50-50-50-50-50-50-50-50-50-50-50-		17-00 AV 210 NOV 70-0	490/520
Loading	40' GP	unit	22	22	22	22	12
quantity	40' HQ	unit	GMVL-785WM/	GMVL 850WM/	GMVL-900WM/	22 GMVL 952WM/	12 GMVL 1010WM/
	Model		A-X(P)	A-X(P)	A-X(P)	A-X(P)	A-X(P)
Capacity range		HP	28	30	32	34	36
Cooling capacit		kW	78.5	85.C	90.0	95.2	101.0
EER	100	WW	3.28	3.20	3.15	3.08	3.00
Power supply		V/Ph/Hz		3	80-415V 3N- 50/60H	łz.	
Min. circuit/Max	c fuse current	A	55.4/63.0	55.4/63.0	71.5/80.0	71.5/80.0	71.5/80.0
Power consumption	Cooling	kW	23,93	26,56	28.57	30.91	33,67
Airflow volume		m³/h	26000	26000	28000	28000	28000
ESP		Pa	30*	30*	30*	30*	30*
Max.drive DU f	VQ.	unit	46	50	53	56	59
Sound pressure		dB(A)	67	67	68	68	69
Refrigerant cha		kg	11.0	11.0	14.0	14.0	14.0
Connecting	Liquid	mm	Ф19.05	Ф19.05	Ф19.05	Ф19.05	Ø19.05
pipe	Gas	mm	Ф31.8	Ф31.8	Ф21.8	Ф31.8	Ф38.1
Dimension	Outline	mm	2200 × 880 × 1675	2200×880×1675	2200 × 880 × 1675	2200 × 880 × 1675	2200 × 880 × 1675
(W×D×H)	Package	mm	2267×952×1867	2267×952×1867	2267 × 952 × 1867	2267 × 952 × 1867	2267 × 952 × 1867
Net weight/Gro	120	ka	490/520	490/520	520/550	520/550	520/550
Loading	40' GP	unit	12	12	12	12	12
reading.	TO Call	La Ire	1.4	15	1.5	15	12

To Coping Capacity Indoor temp.: 27 C.DB, 19 C.WB, Outdoor temp.: 35°C.DB, Equivalent pibing langur. 7.5 m, Level difference: 0 m. 2. Sound Pressure Level: Anechool chamber conversor value, measured at a postion in front of the unit in a semi-anechool com. During actual operation, the value may be higher due to amount noise and echoese of the installation conditions.

3. For the model of GMV..-730-1010WM/A-XiP; outsomized engineering service is needed if the outdoor static pressure is more than 0Pa.

### GMVL-680WM/A-X(P) and below capacity model combination methods

HP	Model	GMVL-224WMF A X(P)	GVIV280WW7	GMVL-330WM/ A X(P)	A X(P)	A X(F)	A X/P;	A X(P)	A X(P)	A X(P)
26	GMVL-738WMVA-X(P)					Course Course				
28	GMVL-786WM/A-X(P)				10.0					
30	16MV939WMVA-X(P)									
32	CMV809WM/A-X(P)									3
34	CMVL 350WMVA X(P)		0.000							
36	SAME TO EWIMA-XIPI						10	0.000		9
38	GMVL-1064WMVA-X(P)									
40	GMM -11 (SWMA-X)P)									
42	GMVL-1176WMWAXJPJ									
64	SMM -1250WM/A-X(P)									
48	GMVL-12SEWWW.XIPI									
48	GMVL-1360WM/A-XIPI									
50	GMWL-1369WMWA-X(P)	1 3								
52	SMVL-14L6VVMVA-X(P)									
54	GMVL-1510WM/A-XIPI									
56	GMVL-1500WMVA-XIPI								0.0	
58	CMVL 1823WMWA XIPI						0.0			
30	GMVL-1879/AMVA-X(P)									
32	GMVL 1704WM/A XIPI								0.0	
94	35MVL-1790/WW/A-X(P)					1			0.0	
36	CMVL 1645WMVA XIPI									
58	GMM -1010WM/A-X(P)								0.0	
70	GMVL-1975WMW-X(P)									0.0
72	GMVL-2040/MMVA-XIPI									000
7.4	GMVL-2066WM/A-X(P)									
76	GMVL-2125WMVA-X(P)					•				
76	GMVL-2150WM/A-XIPI									
80	GMWL-2240WMWA-X(P)								000	
32	CMVL-2285WM/A-XIPI							000		
94	SMVL-23CCWMVA-X(P)							••		
36	ISM9L=2414WMA/A-X(P)									
88	35MVL-247/2WM/A-X(P)								**	
30	GMVL-2526WMVA-X(P)								***	
92	GMVL-2550WMW-X(P)									**
34	GMVL-2655WM/A-X(P)									000
36	GMVL-2720WM/A-XIPI									0000

### GMVL-730WM/A-X(P) and above capacity model combination methods

1.P	Model .	GMVL 730WM/A X(P)	GMVL 785WW/A X(F)	GMVL 850MV/A X(P)	GWVL 900WWW KIP!	GMVL 952WM/A X(P)	GMVL 1010WWW KIP
52	(5\P2L=14C0W\M/A=X)F)	0.0					
54	GMVI-1916WM/A-XIF)						
56	GWYL 1560WM/A XIP)						
58	GMVI:-1620WM/A-X(F)	•					
60	GMVL-1685WM/A-X/F)						
62	GMVL-1750WM/A-XIP)						
84	GMVL-1800WM/A-XIP)			13800			
86	GAVL-1862WW/A-X(P)						
98	GMVL-1910WM/A-XIF)					1.2	
70	GMVL-19CZWM/A-XIF)						
72	GMVL-2000WM/A-XIP)						0.0
78	(90001-0190000004-0)F)	000					
80	GMVL-22/5WM/A-X(F)						
92	GMVL-2310WMWA-XIP)	0.0					
04	GMVL-2360WMW-XIP)	0.0					
96	GNVL-2416WM/A-XIP)	•					
38	GMM -2480WMA-XIP)						
80	GMVL-2530WM/A-XIF(						
92	GMVL-2585WM/A-XIP)		0				
84	GMVL-2650WW/A-XIP)				0.0		
96	GMVL-2700WM/A-XIF)		-	-,1,0			
30	CMVL 2700WMW XIF;						
100	GMVL-2B09WM/A-XiF(						0.0
102	GMVL-2820WM7A-XIE(						
104	GMVI-2020WM/A-XIP)			1.000			
106	GMVL-2972WM/A-XIP)						0.0
100	CAMUL DECOMMAN XIP)						000
110	GWVL-3090WW/A-X(F)						
112	GMVL+3176WW/A-XIP)			44.55			
114	GMVL-3216WW/A-XIF(						
116	GMVL 0260WM/A XIP)	0.0			0.0		
118	GMVL-3315WM/A-XIF)	•					
120	CMVL 0960WM/A XIP)	•			• •		
122	GMVL-3400WM/A-XIF[				800		
124	GMVL-3466WW/A-X(P)				000		
126	GMVL-3590WM/A-X(P)				800		
128	GMVI-RECOVMMA-XIF(						

## **ODU Combination Specifications**

### GMVL-680WM/A-X(P) and below capacity combination models

HP	Woda	Power	Capacity	Power input	Dinierreiun (W×D×+6	Arrios young	CSF	Cornec		Mindout current	Max fuse current	Net weight	feet weigh:	
3.00	7,000	supply	Gooteg	Cooling				Liquid	Gas		-1-0-0-0			
			KW.	KW	OH)	en <sup>2</sup> m	Pa	mm	em	A	A	hg .	19	
26	GMVL-735WM/A-X(P)		73,5	30,30	(930 × 765 × 1605) × 2	11/100+1/1000	82	Ø19.05	Ф318	24.0+28.8	25+32	215+275	215+275	
28	CMVL 765WMW X(P)		76.5	32.40	(930 = 765 × 1605) × 2	11400114300	62	Ø19.05	<b>Φ318</b>	240   23.2	25140	2151275	215 (275	
30	SMV839WM(A-X(P)		83.9	38.40	$(920 \times 766 \times 1605) \times 2$	11400+14000	8.2	019.05	Ø318	240+351	25+40	215+275	215+275	
32	SMV -RSSWM(A-X)P)		86.5	35.70	930 × 765 × 16054 1340 × 765 × 1740	11400+16000	83	019.05	Ø318	20.9+42.9	25+60	215+875	216+878	
94	GAWL-9E0AM/A-X(P)			90.0	27.00	920×765×1805+ 1340×785×1740	11400+19300	62	Φ19.05	Ф338	240+429	25+6d	215+375	215+375
36	SMVL 1015WM/A X(P)		101,5	40.50	1340 × 765 × 1605+ 1340 × 765 × 1740	14000118200	82	O19.05	Ф\$8.1	218 429	32150	275/ 375	275 (375	
38	EMVL-106/WM/A-XIP)		106.4	41.60	1940 × 765 × 1606+ 1940 × 765 × 1740	14000+16000	82	019.05	Ø38.1	35 1+39 3	40+50	275+875	275+875	
40	SMVL-1119WM/A-XIP)		111.9	43.60	1340 × 765 × 1805+ 1340 × 765 × 1740	14000+18000	82	019.05	Ф28.1	35.1+42.9	40+50	275+375	275+375	
42	CMVL 1175WM/A X(P)		117,5	46.00	(1340×765×1740)×2	*8000 × 2	82	019.05	038.1	090-429	50.150	375 × 2	375×2	
44	SMVL-1230WM/A-X(P)	1	123.0	48.00	(1340×763×1746)×2	16003 = 2	8.2	019.05	Ф38.1	42.9+42.9	50+60	375×2	375×2	
46	GMVL-1295WMVA-X(P)		129.5	51.52	(1340×763×1740)×2	*6000 * 2	82	Q19.05	Ф28.1	419+49.2	50+63	375 × 2	375×2	
48	GMVL-1360WM/A-X(P)		136.0	55.00	(1340×765×1740)×2	18003 = 2	82	019.05	0.38.1	452+49.2	63+63	375 × 2	375×2	
50	GMVL-1299WMVA-X(P)		139.9	55.40	(920 × 785 × 1605) × 2 +1340 × 765 × 1740	11430- 14000+18300	82	Φ19.05	0413	24.0+36.1+39.3	26+40+60	216+275-376	215+275+375	
50	STAVE -TARSWMEA-X(P)		146.6	57.70	530 × 766 × 1605 1(1340 × 785 × 1740) × 2	11400+16000×2	82	Q19.05	Ø41.3	20.6+20.3+42.0	26460460	2164876×2	2154375×2	
54	(949 -15: 0WW/A-XIP)		151.0	59.35	930 × 785 × 1605 +(1340 × 765 × 1740; × 2	114D0+16600×2	82	Ø1905	0413	20.8+42.9+42.9	25+50-50	215+375+7	215+375 * 2	
56	SMVL-150GWM/A-X(P)		156.0	26.13	990 × 765 × 1605 +(1540 × 765 × 1740; × 2	11400+10000×2	8.2	<b>©19.0</b> 5	041,3	24.0+42.9+42.9	25/52+50	215+375 × 2	215+375×2	
56	SMVL-1823WM/A-XIP)	360- 4 57 3N- 50/60Hz	182.3	63.20	(1340×765×1605) ×2+1340×765×1740	14300×2+16000	82	019.05	9413	35,1+36,1+42,9	40+40+60	275×2+275	275×2×575	
60	CMVL-1579WM/A-X(P)		157.9	65.60	1240×755×1605+ (1340×765×1740)×2	1/300+16003×2	62	019.05	Ф413	35.1+39.3+42.9	40+53+50	275+375 × 2	275+375×2	
62	GMVL-1784WM/A-X[P]		1784	E7:62	1340 × 765 × 1606 / (1340 × 765 × 1740) × 2	14300+16000×2	82	O19.05	0413	35.1+42.9+42.9	40+52+50	276+376 × 2	275+375 × 2	
67	SMVL-1790VM/A-K(P)		179.0	70.00	(1340 ~ 755 ~ 1740) ~ 8	8 - 0008	82	<19.05	<b>Ф41.3</b>	38.8+42.9+42.9	80+60+60	875 / 3	375 × 3	
86	GMVL-1845WMW-X(P)		184.5	72,00	(1340×765×1740)×3	18000 × 3	82	Ф19.05	041.3	42.9+42.9+42.9	50460460	375×3	375×3	
68	GMVL-1910VVMVA-X(P)		151.0	70.90	(1340×705×1740)×3	1600013	82	0/22.2	044.5	42.5+42.9+49.2	50+50+63	375 × 3	375×3	
70	(SMW -1975WM/A-X)P)		157.5	79.02	(1340 × 765 × 1740) × 3	16002 = 3	82	@27.2	044.5	42.5+49.2+49.2	E0+63+63	375×3	375 × 3	
72	GMVL-2040WM/ARXIPI		204.0	82.50	[1340×765×17401×3	16002 / 3	8.2	<b>D22.2</b>	0.445	49.2+49.2+40.2	63+63+63	375×3	375×2	
72	SMVL-2069WMW-X(P)		206.9	91.40	930×765×16051 1340×765×1606+ (1340×765×1740)×2	11/400+14000 +16000×2	82	©22.2	Ø44.5	24.0+36.1 +,12.9+42.5	25+42+60+50	219+076 +375×2	215+275+376×2	
76	SMVL-2129WM/A-X(P)		2129	94.20	(1240 × 765 × 1806) × 2+(1340 × 765 × 1740) × 2	14000 × 2 +16000 × 2	82	Ф22.2	Φ <b>4</b> 4.5	33.2+36.1 +39,3+42,8	40+40+60+50	275+273 +375×2	275+275+375×2	
70	SMVL 2190WM/A XIPI		219.0	06,50	1340×755×1505+ (1340×765×1740)×8.	14000+16000×3	62	Ф22.2	©48.5	218+39,3 -42,9+42,8	32150150150	275 (375 × 3	2751375×3	
80	GMVL-2245WM/A-XIPI		274.5	26.83	1340 × 765 × 1606+ (1340 × 765 × 1740) × 3	1/360+16003×3	82	Ф22.2	Φ44.5	28.8+42.9 -42.9+42.9	32+30+50-50	275+375×5	275+375×3	
52	9MVL-2296WMW-X(P)		229.5	90,00	(1340 × 763 × 1740) × 4	1800014	82	0/22,2	044.5	353+393 +38,3+42,8	50+50+50+50	375×4	375×4	
64	GMVL-2350WM/A:XIP)		235,0	92.00	(1340 × 765 × 1740) × 4	18000 × 4	82	Ф22.2	Ф44.5	353+393 +42,9+42,6	50+50+60+50	375×4	375.44	
86	Gravi -54: «Mara-XIII)		241.7	85.10	1240 × 755 × 1805) (1340 × 765 × 1740) × 3	16003 = 4	87	Ф22,2	044.5	35.1 : 42.9 +42,9+49,2	40+50+50+63	275+375 > 3	275+375×3	
58	SMVL-2470WM/A-XIPI		247.0	97.0C	(1340×763×1740)×4	16003 * 4	82	@23.3	Ф445	3831429 +489+49.2	50+50+60+63	376×2	375×4	
90	CMVL 2525WM/A XIP)		252.5	89,50	(1.346 × 765 × 1740) × 4	18000 4 4	62	Ф22.2	Ф44.5	42.0+42.9 +42.9+49.2	50150150160	375 × ≥	375 × 4	
92	GMVL-2590WM/A X(P)		259.0	103.00	(1340×765×1740)×4	16000 × 4	82	Ф22.2	Ф44.5	-12.9 16.9 -41,2+49,2	50+50+63+63	375×4	375×4	
92	CMVL-2655WWA-XjPj		265.5	106.50	(1340 × 765 × 1740) × 4	18000 = 4	82	Ф22.2	©44.5	62.9=49.2 +43,2+43.2	50+53+63+63	375 % 4	375×4	
6m	GMVI -2720MMAA-AJP)		272.0	110.06	(1340 × 765 × 1740) × 4	16003 + 4	82	027,2	Φ445	24.2+49.2 +49,2+49.2	63+63+63+63	875 × 4	375×4	

### GMVL-730WM/A-X(P) and above capacity combination models

	Vodel	Power supply	Capacity	Pawer input	Dimension(W×D×H)	Arflow volume	ESP	Connac	ing pipe	Ministration correct	Max fuse	Net weight	Not weight
HP			Cooling	Ing Cooling	97.015000,11.0.0.710		Lide	liquid	tlas	PH ALEGO SOLIGEN	sument		
			KW	KW	ann .	rn.3/n	70	min	mm	Α	A.	-9	kg
52	CMVL 1460AVMA K(P)		146.0	60,00	(2200 × 880 × 1875) × 2	28000 × 2	30	ф19.05	Ф41.3	53.8 (53.6	63 (63	490×2	690 × 2
54	GMVL+1515AVM/A-K(P)		151.5	65,00	[2200×882×1675(×2	2EOGC × 2	30	Ø19.05	Ф41.3	53.6+56.4	63+63	490 × 2	290 × 2
56	GMVL-LS60WMVA-K(P)		168.0	E6-02	[2200 × 880 × 1675] × 2	25000 × 2	30	Ф 19.05	Ф41.5	53.6+55.4	63+63	490 × 2	290 ×2
56	CMVL 1850WM/A X(P)		163.0	70 00	[2200×680×1875]×2	26000+26000	30	Ф 19.05	Ф41.3	50.6 (71.5	63+60	490 1520	490.520
80	OMVL.1865/VMVA.X(P)		168.5	71.00	[2200×560×1875]×2	76050/76000	30	<b>\$15.05</b>	<b>641.</b> 5	58.4:71.5	63 (50	400 (520	490 520
82	GMVL-17E0WWW-X(P)		175,0	75.03	(2200×890×1876)×2	26000+25000	30	Ф19.05	Ф41.3	65.4+71.5	63+60	490+620	490-520
84	GMVL-1800WWA-X(P)		180.0	80.00	(2200 × 880 × 1675) × 2	25000 × 2	30	Ф19.05	Ф41.8	71.5+71.5	80+80	520 × 2	520×2
66	GMvL+1852WM/A-X(Pt		185.2	81.00	;22(0×883×1675)×2	28000 × 2	30	ψ19.05	₩41.S	71.5+71.5	85+80	520×2	520 × 2
88	SMVL-1916WM/A-X(P)		191.0	82.00	(2200 × 880 × 1875) × 2	29030 ≈ 2	30	m222	m44.6	71,5+7 .6	82+80	520×2	520 × 2
70.	GMVL-10624VWA-K(P)		196.2	83.00	(2200×580×1675(×2	29000 × 2	30	Φ22.2	ψ44.5	71,5+71,5	80+80	520×2	520×2
72	GMVL-2020AVM/A-K(P)		202.0	84.00	(2200 × 880 × 1675) × 2	25030×2	30	0222	0:44.5	71.5-71.5	80+80	520 × 2	520 × 2
78	GMVL, 2150WWA-X(P)		219.0	90 00	(2260×860×1875)×3	28000 × 3	20	Ф222	Ф44.6	63.6-63.6+53.6	63+63-63	490×2	290 × 3
90	GM9L-2246WM/A-X(P)		224.5	91.00	[2200×883×1876(×3	28000 × 3	30	m22.2	m44.6	63.6-63.5+55.4	62+63-63	490 × 3	490 × 3
82	OMVL-23104VMVA-X(P)		281.C	95.00	(2200 × 880 × 1675) × 3	2500C×3	35	Ф32.2	<b>4</b> /44.5	53.6-53.6+55.4	63+63-63	480×3	/90×3
84	GMVL-2366WW/A-X;P)		239,0	100.00	(2200 × 680 × 1676) × 3	26000 × 2+28000	30	Φ22.2	0.44.5	53.6-53.9+71.5	63763750	A80 × 2+520	490 × 2=820
96	GMvL-2416WM/A-K(P)		241.5	101.00	(2200 × 880 × 1675) × 3	26000×2+28000	30	Ф222	@44.5	53.6-56.4+71.5	63+63+90	490×2+620	490×2-520
98	OMVL 2460WM/A X(P)	380- 415V 3N- 50/60Hz	248.0	105.00	(2200×680×1675)×3	26000×2+29000	30	¢222	ф 44.5	53.E 55.4171.5	62163160	490 × 2 (520	490 × 2 : 520
90	GM9L-2530VW/A-K(P)		25373	110,00	[2200×880×1675]×3	26000-28000 × 2	30	6222	Ф44.5	63.6-71.a+71.6	63+8C-80	490+520×2	490+620 × 2
92	CMVL 2565WMVA X(P)		250.5	111,00	(22(0 × 680 × 1875) × 0	26000   26000 × 2	30	Ф22.2	Ф44.5	55.4 71,5171.5	63 (60 ) 60	4501520×2	4901520 8 2
94	CMVL 2350WW/A X(P)		265.0	115.00	(22(0×880×1875)×0	26000 28000×2	30	Ф222	Ф 44.5	55.4 71.5171.5	63 (63 (60	4801520×2	490 (520 (12
86	OMVL 2700WWA X(P)		270.0	120.00	(22(0×880×1875)×0	28000 = 3	30	@22.2	Ф 14.5	71.5: 71.5171.5	20120 60	520 % 3	520 + 3
98	GMM-2750WMA-X(P)		275.d	114.00	(2200×880×1675)×3	26000-28000×2	30	Ø25v4	Ф51.4	63.6-71.5+71.5	63+80+80	4904520×2	490+620×2
100	OMVL 2906WM/A X(P)		260.5	113.00	[22(0×680×1875i×0	26000 28000 × 2	30	Ф25.4	Ф51.4	55.4: 71.5171.5	63 (60 (60	4901520×2	490 / 520 + 2
102	GMVL-2870WEVA-X(P)		287.0	119.60	(2200 × 880 × 1675) × 3	26000-28000×2	30	0754	Ø51.4	66.4-71.5+71.5	63+80+80	490+520×2	490+620 × P
104	GMVL-2920AVMVA-X(P)		292.G	124,00	(2200 × 880 × 1675) × 3	28000 × 3	30	Ф25.4	Ø51.4	71.5-71.5+71.5	80+80-80	520 × 3	520 × 3
106	GMVL 2872WWA XQM		297.2	125.00	(22(0×880×1875)×0	22000 n.J	20	Φ25.4	Ф51.4	/1.5- /1.51 /1.5	82180 60	520×2	520 × 3
108	OMVL 0036WM/A X:Pi		203.0	126.00	'22(0×880×1875(×0	29000 × 3	30	m254	Ф.51.4	71.5 71.5171.5	80180 60	520×2	520 × 3
110	GMVL+3090AVMVA-X(P)		309.0	139.00	(2200×880×1675)×4	26000 × 3+28000	RD	Ø254	0.51.4	53.6+53.6+53.6+71.5	52+62+63+80	/90 × 3+520	490×3+520
112	CMVL 0145WM/A X:Pr		314.5	131.00	'2200 × 880 × 1875) × 4	26000 × 3128000	30	Ф25.4	Ф51.4	53,8+53,8+55,4+71,5	83163163150	430 × 3 (520	490 × 3 · 520
114	GMVL-GZ10AVMVA-K(P)		321.0	135.00	12200 × 880 × 1875( × 4	26000×3+28000	30	0254	Ф51.4	53.8+53.8+55.4+71.5	83463463490	490 × 3+620	498×3-520
116	GMVL-BZEGAVAVA-KUPI		326.C	140.00	(2200 × 883 × 1675) × 4	26000 × 2+28000 × 2	30	0254	Ф51.4	53.5+53.6+71.5+71.5	52+63+80+80	450×2+520×2	430 × 2-520 ×
113	SMVL-3316VMVA-XIPI		331.5	141.00	(3200 × 800 × 1676) × 4	26000 × 2+26000 × 2	30	0204	Ø 51.4	03.6+00.4-7".0+71.0	G5+G3+E0+50	490 × 2+G20 × 2	490×2-020×
120	GMVL-3360WMVA-X(P)		238.C	145,00	(25(0×880×1875)×4	28500 × 2+26000 × 2	20	Ф25.4	m51.4	53.8+55.4+71.6+71.6	62+63+60+60	490×2+620×2	480 × 2 - 520 ×
122	CMVL-3450AVAVA-K(P)		543.0	150.00	(25/0 × 883 × 1675) × 4	26000-28000×8	30	Ø254	Φ51.4	53.6+71.6-71.5+71.5	62+80+80-80	/90+520×3	400+520 × 3
124	GMVL-3485WWA-K(P)		348.5	151.00	(2200 × 583 × 1675) × 4	26000-28000×3	30	Φ254	Ф51.4	55.4+71.5+71.5+71.5	63+80+80-80	450+520 × 5	490+520 × 3
126	GMvL-9556WWW-X[P)		255.0	155.00	[22(0×880×1875)×4	26000-26000-3	30	Ф254	Ф51.4	55,4+71,5=71,6+71,6	62+80+60-20	4904520×3	4904520×3
128	GMVL-3500WWW-X(P)		260.0	160,00	(22(0×880×1675)×4	28000 × 4	30	Φ254 Φ254	Ф51.4	71.5+71.5+7 .5+71.5	80+80+80-80	520×4	520 × 4

133 134



# Indoor Unit Lineup -

	Туре		1,5	1.8	2.2	2,5	2,8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0	9.0	10.0	11.2	12.5	14.0	16.0	18.0	22.4	25.0	28.0	40.0	45.0	56.0
Duct Type Unit	High Static Pressure General Static Pressure						•			•	•			•			•	•	•		•					•	•	٠	•
	350 * Air Discharge				0										•	۰						•							1
Cassette	850 * Air Discharge Compact				•		•																						
Unit	2-way										۰				۰														
	1 way	Toping and the same of the sam									•			٠		۰													
Fresh Air I Indoor Un	Processing it																				٠							٠	
Wal mou			•	•			٠						•	•	•		•	٠											
Floor Ceil Indoor Un	ng Type il						•								•		•		•		•	•							
Floor Star Indoor Ur	nding Type il	I										ē.																	
Console I	ndeor Unit	Same,										•															П		
Conceder Standing Indoor Un	Type								•					•															
AHU KIT									0						۰						0					۰			٠

# Quick Review of IDU Functions

	pes of or Unit	GMV5/ GMV6 Universal	Detection		Hossure	Fresh Air Device (Optional)	Filter	Filter Washing Becrinding	Intelligent Sensing Air Supply (Optional)	Auto Add	CAN+ Commu -nication	Singe/ Parallel Connection	Power- off Memory	Low-temp Anti-frost	SET BACK	Manage ment of schedule	Intelligent Billing System
Dect Type	High Static Pressure	•		•	•		•			•	٠		•	•			•
Unit	Genera Static Pressure		•	•	•			•				•		•	•	•	
	360 * Ajr Discharge			•		•		•			•						
Cassette Unit	360 * Air Discharge Compact									•	•	•	•	•		•	
	2-way			•						•	•		•			•	
	1 way			•						•				•			
Processi Indoor U	ng	•	•	•	٠			*		•	•	•		•	•	•	٠
Wal inci				•							•	•	•			•	
Floor Ce Type nd Unit				•				*				*	•			•	
Flaor Sta Type nd				•													
Console Unit	Indoor									•		•		٠		۰	•
Conceal Standing Indoor U	Type	•	•	3.00	•						•	•	•		•	•	

### **Duct Type Indoor Unit**

#### General Static Pressure Duct Type Indoor Unit

- . Capacity range 1.8-14kW
- External static pressure can be up to 80Pa
- . Standard fitting condensate pump lift; maximum lifting height can be up to 1.2m
- . Multiple protections: anti-freezing protection, temperature sensor faulted protection and other multiple guarantees

#### High Static Pressure Duct Type Unit

- · External static pressure can be up to 250Pa.
- Standard fitting condensate water pump lift; lifting height can be up to 1.2m.
- . Optional PM2.5 electrostatic fiber filter
- 9-stage static pressure for adjustment, convenient for engineering application

.....

#### Fresh Air Processing Indoor Unit

- DC inverter technology
- . Direct evaporative cooling
- · Air conditioner and fresh air function are linked



### Cassette Type Indoor Unit

#### 1-way Cassette Unit

- 178mm ultra-thin unit body
- Removable grille, with long life filter
- · Standard fitting 1.2m condensate pump lift
- . High ceiling function; highest corresponding height is 3.5m

#### 2-way Cassette Indoor Unit

- · 2-way air flow design, suitable to narrow rooms
- . Standard fitting 1.2m condensate water pump lift
- · Streamline panel design, elegant and decent



- 360 ° air supply
- · Smart sensor technology for smart air flow adjustment\*
- Standard fitting 1.2m pump lift

"This function is optional.



#### 360 ° Air Discharge Compact Cassette Indoor Unit

- Independent Swing Control
- 360 \* air supply
- · DC quiet condensate pump
- . DC motor design for more energy-saving operation
- · Multiple protection functions for safe and reliable operation
- · Brand new designed air duct and fan blade for lower operating noise
- · Compact design for more convenient installation



### Wall-mounted Type Indoor Unit

- · High-efficiency and energy-saving DC motor
- Long-life filter, removable and washable panel and filter for easy maintenance
- . Wall-mounted installation, beautiful panel, uniform air flow and up&down 2-way air supply



### Floor Ceiling Type Indoor Unit

- . Streamlined appearance design, bright white color, pleasing to the eye
- · Floor mounted or ceiling mounted, flexible installation
- · Compact structural design, saving installation space
- . Optional fresh air intake, to meet your high quality living standard



#### Console Indoor Unit

- . Uniform temperature distribution, high level of comfort
- · Easy installation without suspended ceiling; arrangement of refrigerant pipe is flexible
- Two way air supply, upper and lower two air outlets respectively at the upper and lower sides.3D air supply



## Floor Standing Type

- . Up and down swing, long air supply distance
- long-life filter, removable and washable panel and filter for easy maintenance
- With I-feel function, it can cetect the temperature at the user's position in real time to improve comfort (Remote controller YAP1F is required.)



## Concealed Floor Standing Type

- · Capacity range: 2.2-7.1kW
- . Compact structure, ultra-thin unit body, only 200mm thickness in vertical installation
- Different stages of static pressure for adjustment; highest static pressure can be up to 60Pa
- Flexible installation, supporting feet design to suit different heights, flexible switch of lower air return and side air return

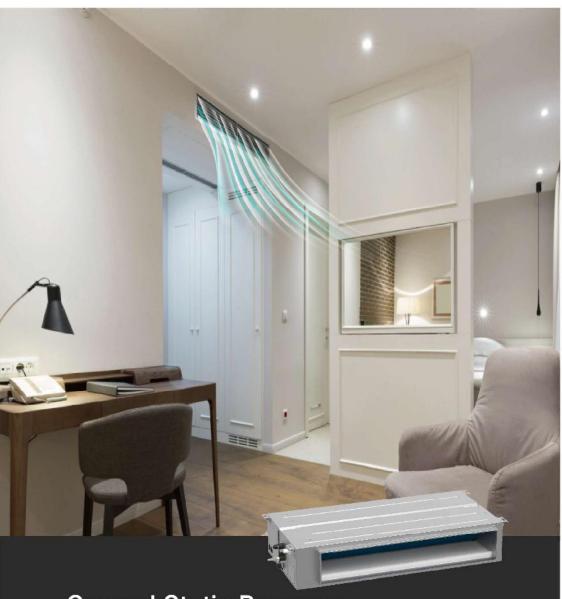


### AHU-KIT

- Independent design, convenient for installation
- . Can connect to the third party controller
- . Malfunction signal access, safe and reliable





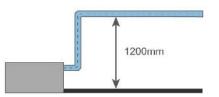


# General Static Pressure Duct Type Indoor Unit

General static pressure duct type indoor unit adopts DC motor, multi-stage air volume and static pressure adjustable design, free choices of air supply and return modes, flexible and convenient installation, meeting requirements for different locations such as hotels, office buildings, shopping malls, apartments, villas, families, etc.

#### Standard Fitting 1,200mm Condensate Water Lift Pump

Pump drainage height can be up to 1,200mm; vertical installation height of the unit can be flexibly adjusted, with high engineering adaptability.



#### Fresh Air Introduction Function

It can be connected to the fresh air duct to introduce fresh air from outside to ensure fresh indoor air.



## Flexible Installation

According to the construction and use requirements, flexibly choose different return air ways and supply static pressure.



#### 80Pa High Static Pressure Design, Multi-stage Static Pressure for Adjustment

The highest static pressure can be up to 80Pa, which is applicable to different installation locations to ensure cooling and heating effect. With wide static pressure range and 5 stages of adjustable external static pressure, the engineering design and application is more convenient and fast.

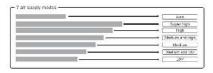


#### DC Motor Design, Low Noise Operation

The brushless DC motor realizes stepless speed adjustment, and can set the automatic quiet mode through wired controller to make the operation quieter.

# 7-speed Air Volume Setting to Meet Diverse Needs

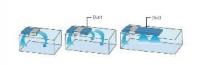
The DC motor can adjust up to 7 steps of air volume, accurately divide the air volume interval, reduce the noise value, and can set automatic quiet mode of indoor uni, through wired controller, and enable the automatic quiet function according to the indoor temperature and personnel activities. Super high step and strong air volume, cooperating with outdoor compressor operation, it can enter strong cooling/heating mode; indoor unit motor can be adjusted to the highest step for rapid cooling/heating to reach the required temperature.





# High Static Pressure Duct Type Unit

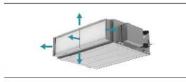
High static pressure duct type unit, with large air volume, wide static pressure adjustment range and maximum static pressure, can be up to 250Pa; long air supply distance can be widely used in places where it is necessary to connect air pipes to achieve long-distance air supply, such as hotels, office buildings, shopping malls, factories.



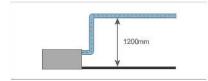












#### High Static Pressure Design, Multi-stage Static Pressure to Adjust

There are 9-stage adjustable external static pressure. The highest static pressure can reach 200Ps. Engineering design and engineering application is more convenient and est.

#### Long-distance Air Supply

Support long-distance air supply to serve multiple air supply areas and satisfy complicated tayout and locations, creating comfortable environment.

#### Fresh Air Introduction Function

It can be connected to the fresh air duct to introduce fresh air from outside to ensure fresh indoor air,

#### High Efficiency Filtration

Optional high-efficiency filter device can effectively filtrate PM2.5, with small performance attenuation.

#### Multi-directional Removable Filter

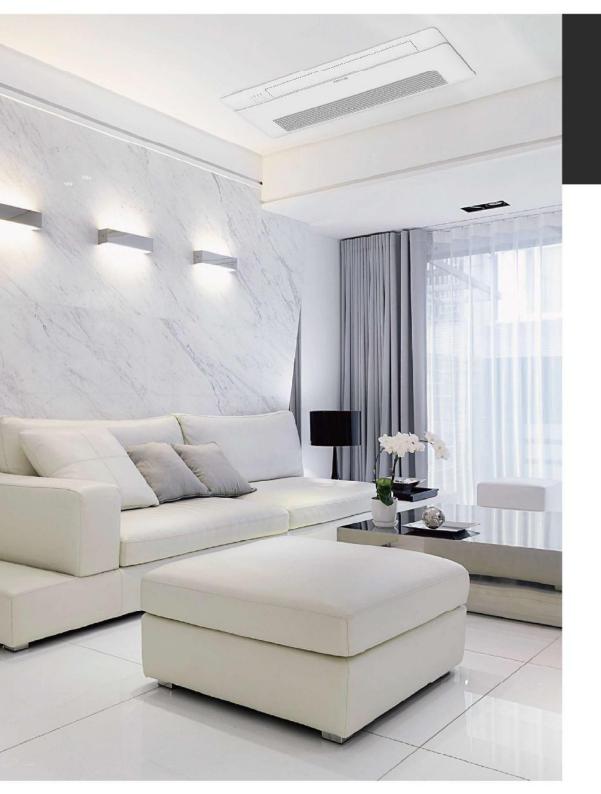
The filter can be disassembled from 5 directions (the arrow below shows the direction of the removable filter). Installation and maintenance are convenient and tast.

#### Convenient Maintenance

External hanging electric box design for convenient maintenance.

#### Standard Fitting 1,200mm Condensate Water Lift Pump

The pump drainage height can be up to 1,200mm, and the vertical installation height of the unit can be flexibly adjusted, with high engineering adaptability.



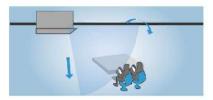
# 1-way Cassette Unit

The 1-way cassette unit, with ultra-thin and compact body, effectively saves installation space, meeting the air supply requirements of narrow rooms, walkways and other applications. It can be applied to households, hotels, small offices and other delicate and compact spaces.



#### Ultra Wide Angle Air Supply

The left and right swing angles can be up to 75 °, covering a wide range of air-conditioning spaces and providing a comfortable environment.

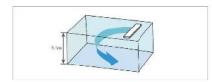


#### Uniform Temperature Distribution and High Level of Comfort

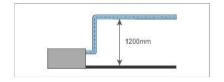
The temperature field is evenly and reasonably distributed, and the heating airflow directly reaches the ground, warming the entire room and greatly improving user comfort.



# High Ceiling Design, up to 3.5 Meters Space



#### Standard Fitting 1,200mm Condensate Water Lift Pump



#### Ultra-slim Design

Thickness of the main body is only 178mm, which meets the requirements of delicate and compact space.

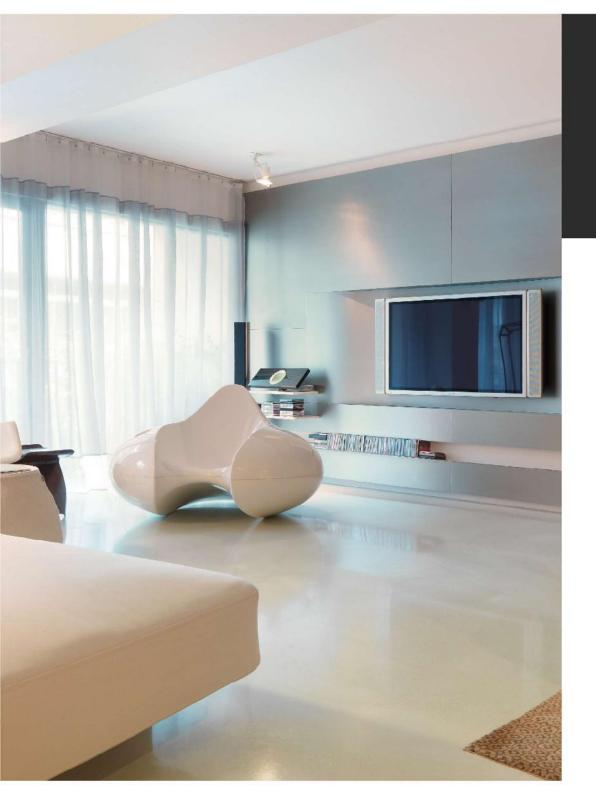


#### Evaporator Auto-drying Operation

After the cooling mode is stopped, the fan will delay the shutdown time and run for a while to dry the condensate water on the surface of the evaporator to keep the inside of the unit dry, so as not to breed bacteria and motd.

#### Anti-fouling Design

By adjusting the angle of the air deflector, it can avoid affecting the ceiling near the air outlet.



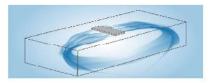
# 2-way Cassette Indoor Unit



2-way cassette indoor unit adopts high-efficiency DC brushless motor and stylish appearance design, with middle air return and double-sided air supply mode for strong air volume, which can evenly supply air to all parts of the rooms. It can be widely used in hotels and official buildings, shopping malls, apartments villas, households and other applications.

#### Two-way Air Supply

The double sided air outlet lengthens the air supply distance to solve the problem of difficult air supply in narrow and long rooms.



#### New Streamlined Appearance Design

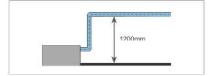
The new generation of two-way cassette unit adopts a brand new front panel design, making it visually pleasing and perfectly fit into indoor decoration.

#### Independent Swing Control

There are two air deflectors that can be controlled independently to adjust the air supply direction. They can make different combinations of air swing angles to avoid direct airflow to people.

"It must be used with the wired controller (XE /0-33/H).

#### Standard Fitting 1,200mm Condensate Water Lift Pump



#### Quiet Fan Blade Design, Low Noise Operation

By adopting DC motor and large diameter centrifugal fan blade design, low revolving speed can achieve large air volume, uniform air supply, and lower noise, providing quiet and comfortable space.

#### Compact Body Design

The new generation of two-way cassette unit has a very thin body/280mm), which is 11.1% thinner than the last generation. Therefore, it requires less installation space and is more practical in engineering.

#### Automatic Louver Contro

The front panel adopts an arc design for the end of air deflectors. With structural simulation analysis, the best air supply angle was simulated. In cooling mode, the unit can achieve horizontal air supply to avoid cold air draft to people. In heating mode, it can achieve vertical air supply to improve the degree of heating comfort.



360 ° air discharge cassette, with 360 ° air discharge, which is suitable for different places such as hotels, office buildings, shopping malls, apartments, villas, and families. The all-round discharge cassette type Indoor unit 's air louver can be Independently controlled to realize a new air flow form. The air supply range is wide and temperature distribution is more uniform, bringing a comfortable environment experience. With optional human sensory function, the control is more intelligent and user-friendly.

#### • 360 ° Overall Temperature Field Identification

Intelligent sensory function control and high temperature field recognition accuracy can avoid cold wind blowing people, make warm wind follow people and prevent direct blowing to the human body; when it detects that no one is indoors, it automatically adjusts the set temperature; if there is no one indoors for long, the unit will be automatically shut off.



\*This function should be customized and needs to be used with wired controller XE70-33/H.

#### • 360 ° Surrounding Airflow

Wide air supply range, more unform temperature distribution and more comfortable experience.



#### Independent Swing Control

The four air louvers can be controlled independently, and the air supply direction can be adjusted independently to achieve different angle combinations to avoid direct air blowing.



\* This function needs to be used with wired controller XE70-33/H.

 Optional intelligent voice control module, far-field (5m) voice recognition technology, intelligent status broadcast, leading a new intelligent interaction experience.

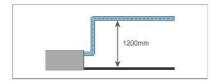
\* This accessory should be customized.

• Optional fresh air fitting can effectively introduce 8 ~ 10% of outdoor fresh air and improve indoor comfort.



#### DC Quiet Condensate Pump

The pump drainage lifting height can be up to 1,200mm, and vertical installation height of the unit can be flexibly adjusted, with high engineering adaptability.



 Optional lifting panel, and the inlet grille adopts two-way suspension lifting technology to realize the lifting function of the grille. User can clean the filter by himself thanks to convenient maintenance.



\*Optional fitting, please consult engineering and technical personnel.

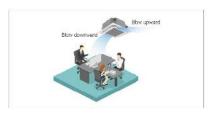


360  $^{\circ}$  air discharge compact cassette, 8 models in the whole series, capacity range: 1.5kW  $\sim$  5.6kW. Newly designed 360  $^{\circ}$  air outlet panel can achieve 360  $^{\circ}$  surrounding airflow, for wider air supply range, more uniform air distribution and temperature field, and more comfortable user experience. It can be widely used in households, hotels, restaurants, offices, meeting rooms and other places.



#### • 360 " Surrounding Airflow

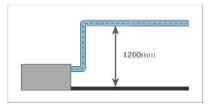
The newly designed 360 ° surrounding airflow has a wide air supply range, more uniform airflow organization and temperature distribution, avoiding partial hot and colid, and providing a more comfortable user experience.



#### Independent Swing Control

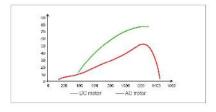
The four air louvers can be controlled independently, and direction of air supply can be regulated independently to achieve different angles of air supply and avoid direct wind blowing to people.

\* This function needs to be used with wired controller XE/0-33/H.



#### DC Quiet Condensate Pump

The high-lift DC quiet condensate pump is adopted, which has lower operating power and better sound quality. The maximum lifting height is 1,200mm, the installation design is more flexible, and it is convenient for the layout of engineering drain pipe.



#### DC Motor Design

The fan adopts high-efficiency DC motor to realize stepless speed regulation. Compared with ordinary AC motor, it can achieve effective energy conservation of about 30%.

#### Newly Designed Air Ducts and Blades for Lower Operating Noise

Internal air ducts and blades adopt new fluid simulation design, which allows lower operating noise under the same air volume. Noise is as low as 25dB(A).

#### Compact Design

With compact structural design, unit body is smaller than the previous generation, and the installation area is smaller.

#### Multiple Protection Functions

The unit is designed with multiple protection functions to achieve safe and relable long term operation, including water full protection, anti-freezing protection, fan error protection, etc.



# Wall-mounted Type Indoor Unit



The whole series adopt high-efficiency DC motor, stylish design, simple and easy panel disassembly, convenient cleaning design, uniform air flow distribution, and wide air supply range. It can blow the wind to every corner of the room. It is widely used in various places such as houses, hotels, apartments, offices and meeting rooms.

#### Easy Installation

It adopts wall-mounted installation, no need occupying floor space and no need to suspend the ceiling. Refrigerant pipe can be installed flexiblely.

#### Automatic Up and Down Swing Design

With up and down swing function, air louver can realize automatic control, air supply range is increased and air supply is uniform, creating a comfortable working and living environment.



#### Wide Air Supply

The wind can be naturally and evenly distributed to all corners of the room.



#### Quiet Design

Using high-efficiency cross-flow fan blades, noise of the whole unit is greatly reduced.

#### Uniform Temperature Distribution and High Comfort

The temperature field is evenly and reasonably distributed, the heating airflow can directly reach the ground, warming the entire room, greatly improving human comfort.

#### Washable Filter

With long-term filter, which can be disassembled and cleaned for easy maintenance.

#### Removable Panel

Panel of the indoor unit can be easily slid in or out, disassembly is simple and easy, which is easy to clean and the appearance of indoor unit can be kept clean and new.

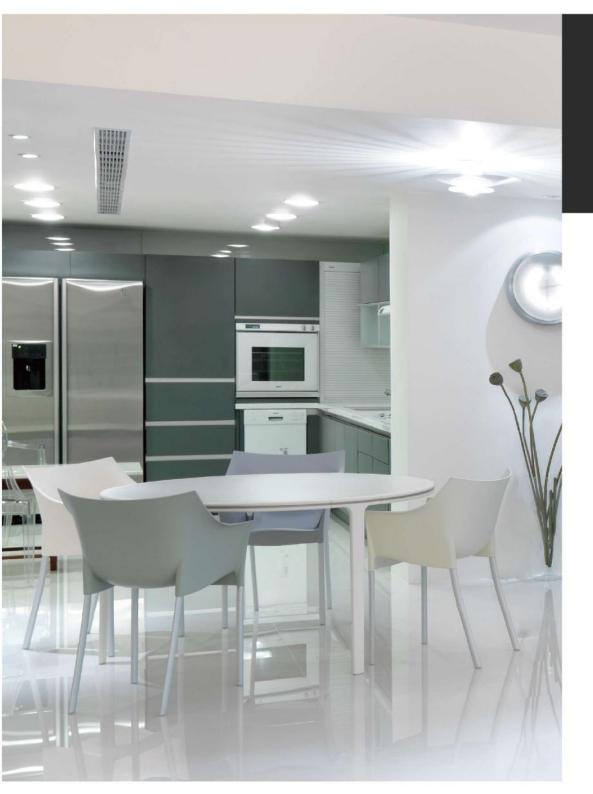
#### Powerful and Fast

Using intelligent temperature control technology, with powerful and rapid cooling/heating function, can make the indoor temperature quickly reach the set temperature.



#### Multiple Protection Functions

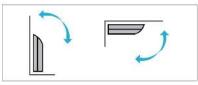
Anti-freezing protection, fan motor built-in overload protection, temperature sensor error protection.

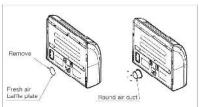


# Floor Ceiling Type Indoor Unit



Floor ceiling type indoor unit has two installation methods: floor mounted and ceiling mounted. It is suitable to multiple applications such as hotels, office buildings, shopping malls, apartments, villas, households, etc.





#### Flexible Installation

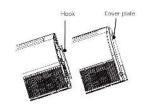
The unit can be floor mounted or ceiling mounted; the flexible and convenient installation method can give customers more installation choices. When floor mounted, the installation is more convenient.

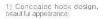
#### Fresh Air Intake

Fresh air duct can be connected to introduce fresh air into the room from the outside.

#### Easy Installation

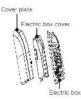
Adjust the angle of the air deflector to avoid affecting the ceiling near the air cuttet.







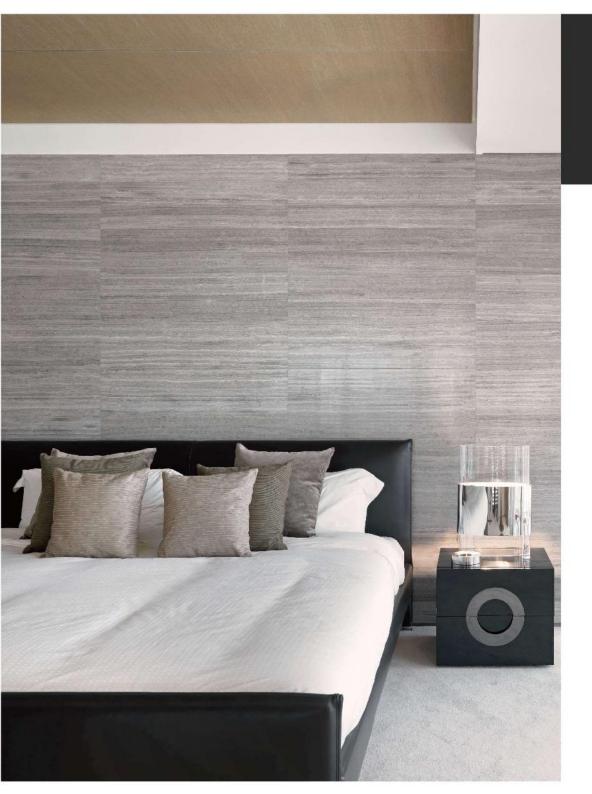
 Multi directional outlet method can adapt to different installation sites:



 The concealed cosign of the side electrical box, Wire can be connected by disassembling the cover.

#### Quiet Design

The new low-noise fan blade cooperates with the DC motor and excellent soundproof air distribution structure to ensure that the air supply is even and smooth, creating a quiet and comfortable environment.



# **Console Indoor Unit**

Console indoor unit features easy installation without suspended ceiling, which will not affect the integrated indoor decoration. It can be widely applied in villas, offices, meeting rooms, etc., providing users with a comfortable living and working environment.



#### Quiet Fan Blade Design, Low Noise Operation

By adopting DC motor and large diameter centrifugal fan blade design, low speed can achieve large zir volume, uniform air distribution and low noise, providing quiet and comfortable space.

#### Uniform Temperature Distribution and High Level of Comfort

The temperature field is evenly and reasonably distributed, and the heating airflow directly reaches the ground, warming the entire room to greatly improve user comfort.

#### Removable Panel

Panel of the indoor unit can be easily slid in or out for easy disassembly and convenient cleaning; the appearance of indoor unit can be kept clean and new.

#### Multiple Protection Functions

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

#### Strong and Fast

By adopting intelligent temperature control technology, with powerful and rapid cooling/heating function, it can make indoor temperature quickly reach the set temperature.

#### Washable Filter

The long-life filter can be disassembled and cleaned, for easier maintenance.

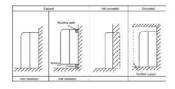
#### Two-way Air Supply

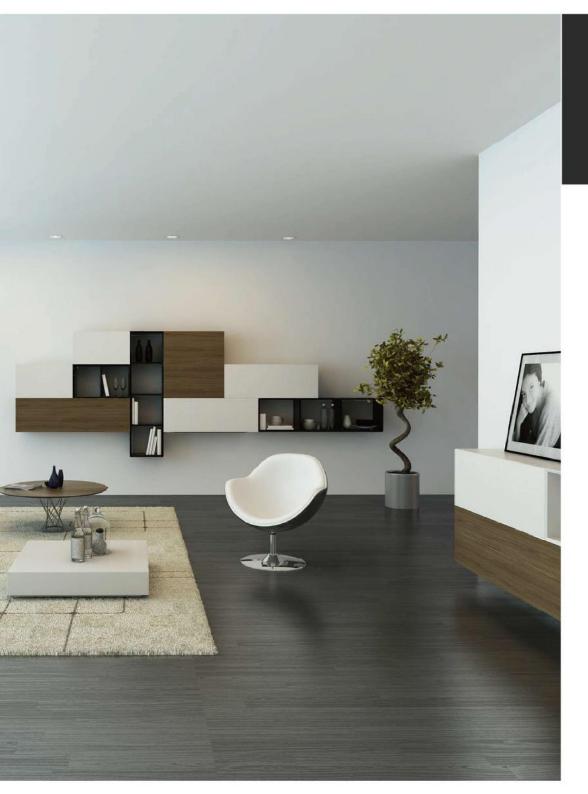
With the upper and lower air outlets, the unit can realize 3D air supply, which means the air will flow naturally and evenly to every corner of the room.



#### Easy Installation

It can be installed on the floor without the need to cooperate with ceiling, and arrangement of refrigerant pipe is Tlexible and free.





# Floor Standing Type

With large cooling capacity and a space-saving vertical structure, it is widely applied in houses, hotels, restaurants, chain stores, offices, and meeting rooms to provide users with a comfortable and pleasant living and working environment.

#### Up and Down Swing, Long Air Supply Distance



#### Washable Filter

The long-term filter can be disassembled and cleaned, for easier maintenance.

#### Quiet Design

By adopting high-efficiency centrilugal fan blades and quiet valves, noise of the complete unit is greatly reduced.

\* Work with remote control YAP1E

#### Strong and Fast

By adopting intelligent temperature control technology, with powerful and rapid cooling/heating function, it can make indoor temperature quickly reach like set temperature.

#### I Feel Function

After the user turns on this function, the unit can detect the temperature of user \* s location in real time and adjust to improve user comfort.

\* Work with remote control YAP1F

#### Multiple Protection Functions

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



This unit adopts floor standing concealed installation method. With small occupation space, it will not impact the integrated indoor decoration. Cooling capacity ranges from 2.2kW to 7.1kW. It can be widely used in hotels, schools, villas, offices and meeting rooms, providing users with a comfortable living and working environment.

# DC Motor Design, Low Noise Operation

The brushless DC motor realizes stepless speed adjustment, and can set the automatic quiet mode through wired controller to make the operation quieter.

#### High Static Pressure Design, Multi-stage Static Pressure for Adjustment

On the basis of the limited vertical return air space structure, the 5-stage external static pressure can be adjusted, and the maximum static pressure can reach 60Pa. It meets the engineering design and application of air duct installation requirements, which is more convenient and fast.

# Ultra-thin Body Design. Saving Installation Space

The structure is compact, thickness of the unit body is only 200mm, and the installation space and decoration space are greatly saved when adopting sealed installation.



#### Flexible installation

The front detachable air return structure can realize the flexible switch between side air return and the bottom air return. Different height support foot designs to meet the user's choice of different air volume and different decoration space.



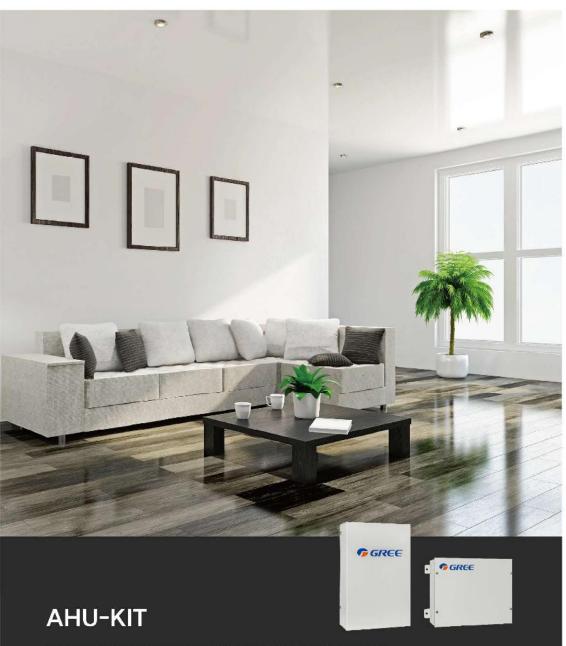
#### Convenient Maintenance Design

Convenient front-side disassembly maintenance design; only maintenance port in the decorative wall is reserved, so that all the internal parts can be disassembled from the front side.



#### Safe and Reliable Operation

The unit adopts multiple internal wiring, water-return elbows and anti-overflow structure, which has perfectly solved the hidden danger of water penetration of electric box due to ultra thin design.



[Constitution]: Electronic expansion valve components, control components.

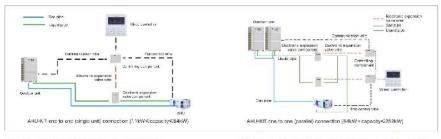
[Function]: Connect the direct-expansion air handling unit (Gree's or third-party's direct-expansion air handling unit ) to the Gree multi VRF system, so that the air handling unit has the functional advantages of multi VRF unit.

#### Connection

The AHU-KIT with the air handling unit can be used as a multi VRF indoor unit to connect to a multi VRF outdoor unit. The connection is limited by the outdoor unit. There are the following three types of connections:

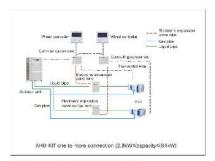
#### One to One

The AHU-KIT with the air handling unit can be connected with multi VRF outdoor units in one-to-one way. Total capacity of the ALIU KIT should be between 50% and 110% of the outdoor unit's capacity.



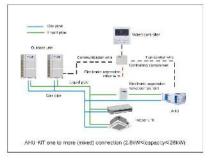
#### One to Many (Only DX AHU Unit)

Multiple sets of AHU-KIT-air handling units can be connected to one multi VRF outdoor unit. Total capacity of the AHU-KIT should be between 50% and 110% of the outdoor unit's capacity. (Take one for two as an example)



# One to Many (DX AHU Unit + GMV Indoor

The AHU-KIT and ordinary multi VRF indoor unit can be connected into the same multi VRF outdoor unit. Total capacity of the AHU-KIT and the ordinary multi-VRF Indoor unit is between 50% and 110% of the outdoor unit's capacity, and total capacity of the AHU-KIT cannot exceed 30% of the outdoor unit's capacity.



\*2.8~28kW units can be connected in the same system; 22.4~84kw units can be connected in the same system.

#### Features:

- The two components are designed independently, and the installation is convenient. The control component is installed indoors and electronic expansion valve can be installed indoors or outdoors, with flexible engineering design.
- A variety of model combinations can expand the capacity range to meet the requirements in most occasions. With fault signal to ensure safe and reliable operation.
- The outdoor unit is used as cooling and heating sources, no additional cooling and heating sources are required.
- Access to variable refrigerant control system, using DC inverter control technology.
- Can connect to the third party's controller to set on/off, modes, temperature and related parameters of the units.

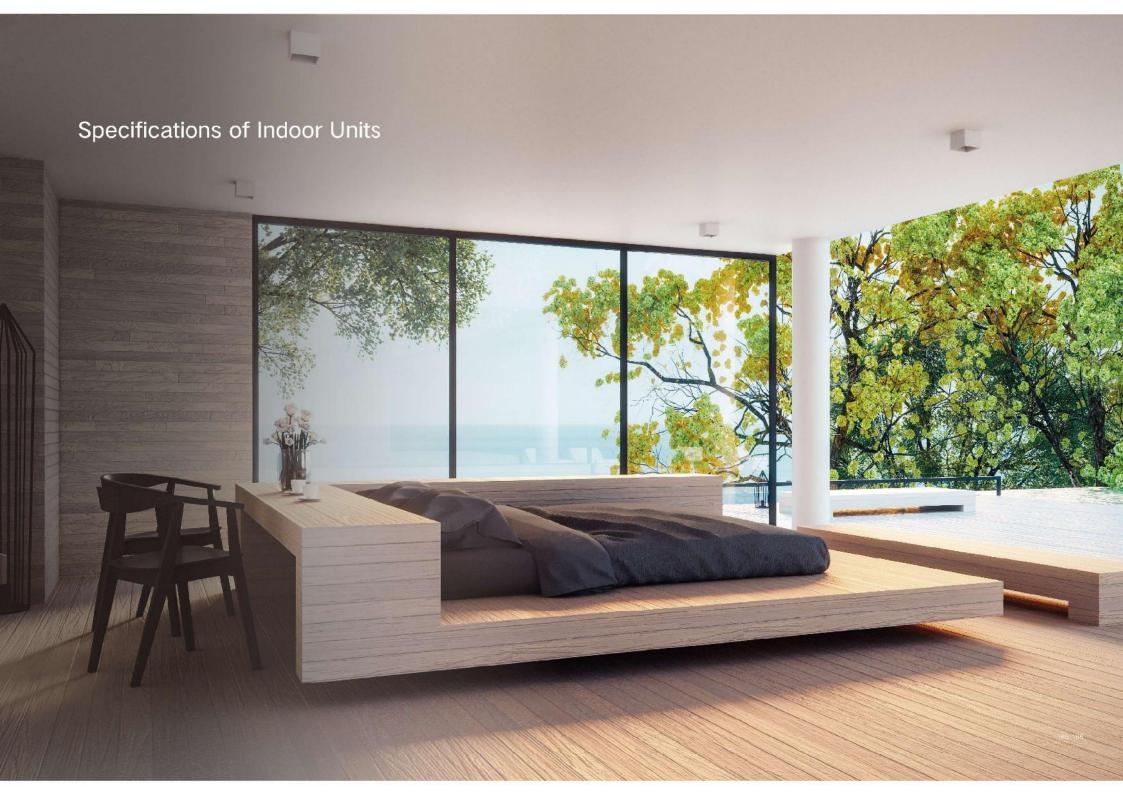


# Fresh Air Processing Indoor Unit



- Air volume: 1000-4000m³/ h
- DC inverter technology: adjust the capacity output according to actual needs to ensure stable humidity and reduce power consumption.
- Direct evaporative cooling: treat outdoor air to the state which is required indoors to achieve the dual effect of air conditioning and fresh air.
- Air conditioner and fresh air linkage: achieve simultaneous air conditioning and fresh air treatment in the same system.
   When the VRF unit is turned on, the fresh air unit is linked at the same time, worry-free and energy-saving.





# High Static Pressure Duct Type Indoor Unit

1	Model		GMV-ND22PHS/B-T	GMV-ND25PHS/B-T	GMV-ND28PHS/B-T	GMV-ND32PHS/B-T	GMV-ND36PHS/B-1
C	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	10 - 00 0	V/Ph/Hz		220-2	40V~ 50Hz & 208-230V-	- 60Hz	
Power consumpl	ion	W	55	55	55	65	65
Airflow volume(H	/M/L)	m³/h	550/480/400	550/480/400	550/480/400	600/500/420	600/500/420
Debard Comment	Cooling	A	0.5	0.5	0,5	0.5	0,5
Rated Current	Heating	A	0.5	0.5	0.5	0.5	0.5
ESP		Pa	60/0 150	60/0 - 150	60/0 - 150	60/0 ~ 150	60/0 - 150
Sound pressure le	vel(H/M/L)	dB(A)	33/30/28	33/30/28	33/30/28	33/31/29	33/31/29
C	Liquid	mm	Φ6.35	Ф6.35	Φ6.35	Φ6.35	Ф6.35
Connecting pipe	Gas	mm	Ф9.52	Ф9.52	Ф9.52	Ф12.7	Φ12.7
Parata salas	External dia.	mm	Ф25	Ф25	Ф25	Φ25	Ф25
Drain pipe	Thickness	mm	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
$(W \times D \times H)$	Package	mm	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360	897×808×360	897 × 808 × 360
Net weight/Gross	weight	kg	32/38	32/38	32/38	32/38	32/38
	40' GP	unit	168	168	168	168	168
Loading quantity	40' HQ	unit	196	196	196	196	196

	Model		GMV-ND40PHS/B-T	GMV-ND45PHS/B-T	GMV-ND50PHS/B-T	GMV-ND56PHS/B-T	GMV-ND63PHS/B-
	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		W/Ph/Hz	0000	220-2	40V~ 50Hz & 208-230V-	60Hz	
Power consumpt	rien	W	85	85	85	90	90
Airflow volume (H	I/M/L)	m³/h	850/700/600	850/700/600	850/700/600	1000/800/700	1000/800/700
	Cooling	A	0.5	0.5	0.5	0.8	0.8
Rated Current	Heating	A	0.5	0.5	0,5	0.8	0.8
ESP		Pa	60/0 ~ 150	60/0 ~ 150	60/0 ~ 150	90/0 ~ 200	90/0 - 200
Sound pressure le	evel(H/M/L)	dB(A)	36/34/32	36/34/32	36/34/32	37/35/33	37/35/33
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52
Connecting pipe	Gas	mm	Ф12.7	Ф12.7	Ф12.7	Ф15.9	Ф15.9
Desire eller	External dia.	mm	Ф25	Ф25	Ф25	Ф25	Ф25
Drain pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension	Outline	mm	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	1000 × 700 × 300	1000 × 700 × 300
$(W \times D \times H)$	Package	mm	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360	1205 × 813 × 360	1205 × 813 × 360
Net weight/Gross	s weight	kg	34/40	34/40	34/40	43/49	43/49
	40' GP	unit	168	168	168	138	138
Loading quantity	40' HQ	unit	196	196	196	161	161

1	Model		GMV-ND71PHS/B-T	GMV-ND80PHS/B-T	GMV-ND90PHS/B-T	GMV-ND100PHS/B-T	GMV-ND112PHS/B-
	Cooling	kW	7,1	8.0	9.0	10.0	11.2
Capacity	Heating	RW	8.0	9.0	10.0	11.2	12.5
Power supply		V/Ph/Hz	70,000	220-2	40V~ 50Hz & 208-230V	~ 60Hz	
Power consumpt	ion	W	1.00	100	140	140	160
Airflow volume(H	/M/L)	m <sup>3</sup> /h	1250/1050/950	1250/1050/950	1800/1450/1250	1800/1450/1250	2000/1600/1400
Rated Current	Cooling	A	0.0	0,3	1,1	1.1	1.1
Hated Current	Heating	A	0.8	8.0	1.1	1.1	1.1
ESP	************	Pa	90/0 ~ 200	90/0 ~ 200	90/0 - 200	90/0 ~ 200	90/0 - 200
Sound pressure le	wel(H/M/L)	dB(A)	38/36/34	38/36/34	40/37/35	40/37/35	40/38/36
	Liquid	mm	Φ9.52	Φ9.52	Ф9,52	Ф9.52	Φ9.52
Connecting pipe	Gas	mm	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф15.9
A	External dia.	mm	Φ25	Ф25	Ф25	Ф25	Φ25
Drain pipe	Thickness	mm	2.5	2.5	2,5	2.5	2.5
Dimension	Outline	mm .	1000 × 700 × 300	1000 ~ 700 ~ 300	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300
$(W \times D \times H)$	Package	mm	1205 × 813 × 360	1205×813×360	1601 × 813 × 365	1601 × 813 × 365	1601 × 813 × 365
Net weight/Gross	weight	kg	43/49	43/49	57/64	57/64	57/64
	40' GP	unit	138	138	84	84	84
Loading quantity	40' HQ	unit	161	161	98	98	98

1	Model		GMV-ND125PHS/B-T	GMV-ND140PHS/B-T	GMV-ND160PHS/B-T	GMV-ND180PHS/B-T	GMV-ND224PH/A-T
C	Cooling	kW.	12.5	14.0	16.0	18.0	22.4
Capacity	Heating.	kW	14.0	16.0	18.0	20.0	25.0
Power supply		V/Ph/Hz		220-2	40V~ 50Hz & 208-230V	- 60Hz	
Power consumpt	tion	W.	160	220	230	350	800
Airflow volume (H	I/M/L)	m³/h	2000/1600/1400	2350/1900/1650	2500/2000/1750	3000/2600/2000	4000/3600/3200
Description	Cooling	A	1.1	1.5	1,5	2.0	3.7
Rated Current	Heating	A	1.1	1,5	1,5	2.0	3.7
ESP		Pa	90/0 ~ 200	90/0 - 200	90/0 - 200	90/0 ~ 170	100/50 ~ 200
Sound pressure le	evel(H/M/L)	dB(A)	40/38/36	42/39/37	44/41/38	49/47/44	54/52/49
0	Liquid	mm	09.52	Φ9.52	Φ9.52	Φ9.52	Ф9.52
Connecting pipe	Gas	mm	015.9	Ф15.9	Ø19.05	Ф19.05	Ф19.05
October 1	External dia.	mm	Φ25	Φ25	Ф25	Ф25	Ф25
Drain pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.0
Dimension	Outline.	mm	1400×700×300	1400 × 700 × 300	1400×700×300	1400 × 700 × 300	1483×791×385
$(W \times D \times H)$	Package	mm	1601 × 813 × 365	1678 × 808 × 365	1678 × 808 × 365	1678 × 808 × 365	1578 × 883 × 472
Net weight/Gross	s weight	kg	57/64	58/67	58/67	58/67	82/104
Consider a service and	40' GP	unit	84	84	84	84	60
Loading quantity	40' HQ	unit	98	98	98	98	75

	vlodel		GMV-ND280PH/A-T*	GMV-ND400PH/AR-X1	GMV-ND450PH/AR-X*	GMV-N560PH/AR-M
C	Cooling	kW	28.0	40.0	45.0	56.0
Capacity	Heating	RW	31.0	45.0	50.0	63.0
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz	380-415V 3N~ 50/60Hz	380-415V 3N- 50/60Hz	380V 3N~ 50Hz
Power consumpt	ion	W	900	2500	2550	2700
Airflow volume(H	/M/L)	m³/h	4400/4000/3600	8000/6100/5050	8200/6600/5550	10000
Rated Current	Cooling	A	4.1	2.7	4.1	5.5
Hated Current	Heating	A	4.1	2.7	4.1	5.6
ESP		Pa	100/50 ~ 200	200/50~250	200/50~250	200
Sound pressure le	evel(H/M/L)	dB(A)	55/52/50	61/59/56	E2/60/57	63
	Liquid	mm	Φ9,52	Ф12.7	Φ12,7	Ф15,9
Connecting pipe	Gas	mm	Ф22.2	Ф25.4	Ф28.6	Ф28.6
Seelis whose	External dia.	mm	Ф25	Ф25	Ф25	Ф25
Drain pipe	Thickness	mm	2.0	1.2	1.2	1.2
Dimension	Outline	mm	1686 × 870 × 450	1680 × 900 × 650	1900×1100×700	1900 × 1100 × 850
(W×D×H)	Package	mm	1788 × 988 × 580	1923 × 1163 × 850	2123 × 1463 × 905	2123 × 1463 × 1060
Net weight/Gross	s weight	kg	105/140	170/220	236/317	282/364
	40° GP	unit	52	24	16	16
Loading quantity	40" HQ	unit	52	36	16	16

<sup>\*</sup> This model is without water pump,

# High Static Pressure Duct Type Indoor Unit

N	Model		GMV-ND22PHS/D-T*	GMV-ND25PHS/D-T*	GMV-ND28PHS/D-T*	GMV-ND32PHS/D-T*	GMV-ND36PHS/D-T
	Caoling	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		220-2	40V~ 50Hz & 208-230V	~ 60Hz	
Power consumpt	on	VV	50	50	.50	50	50
Airflow valume(H	/M/L)	m³/h	550/480/400	550/480/400	550/480/400	600/500/420	600/500/420
Barrella and and a	Cooling	Α	0.4	0.4	0.4	0.4	0.4
Rated current	Heating	A	0.4	0.4	0.4	0.4	0.4
ESP		Pa	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80
Saund pressure le	wel(H/M/L)	dB(A)	35/31/29	35/31/29	35/31/29	36/33/30	36/33/30
	Liquid	mm	Ф6.35	Φ6,35	Φ6.35	Φ6.35	Φ6.35
Connecting pipe	Gas	mm	Φ9,52	Φ9.52	Φ9,52	Ф12.7	Φ12.7
Drain pipe	External de.	mm	Ф25	Ф25	Ф25	Ф25	Ф25
Diani pipe	Thickness	mm	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
(W ~ D ~ H)	Package	mm	897 × 808 × 360	897 * 808 * 360	897 * 808 * 360	897 * 808 * 360	897 * 808 * 360
Net weight / Gros	s weight	kg	30,5/36	30.5/36	30.5/36	30.5/36	30.5/36
	40'GP	unit	168	168	168	168	168
Loading quantity	40"HQ	unit	196	196	196	196	196

	Model		GMV-ND40PHS/D-T*	GMV-ND45PHS/D-T*	GMV-ND50PHS/D-T'	GMV-ND56PHS/D-T*	GMV-ND63PHS/D-T
	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		220-2-	40V~ 50Hz & 208-230V-	60Hz	
Power consumpt	ion	W	100	100	100	105	105
Airflow valume(H	/M/L)	m³/h	850/700/600	850/700/600	850/700/600	1000/800/700	1000/800/700
	Cooling	A	0.8	0.8	0.8	0.8	0.8
Rated current	Heating	Α	0.8	0.8	0.8	0.8	0.8
ESP		Pa	50/0-80	50/0-80	50/0-80	90/0~200	90/0~200
Sound pressure le	wel(H/M/L)	dB(A)	40/36/32	40/36/32	40/36/32	40/36/32	40/36/32
	Liquid	mm	Φ6,35	Φ6,35	Ф6,35	Φ9.52	Ф9.52
Connecting pipe	Gas	mm	Ф12.7	Ф12.7	Ф12.7	Ф15.9	Ф15.9
Drain pipe	External da.	mm	Ф25	Φ25	Ф25	Ф25	Ф25
Dian't paper	Thickness	mm	2,5	2.5	2.5	2.5	2,5
Dimension	Outline	mm	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	1000 × 700 × 300	1000 × 700 × 300
$(M \times D \times H)$	Package	mm	897×808×360	897 × 808 × 360	897×808×360	1205×813×360	1205×813×360
Net weight / Gros	s weight	kg	31.5/37	31.5/37	31.5/37	40.5/46.5	40.5/46.5
	40'GP	unit	168	168	168	138	138
Loading quantity	40'HQ	unit	196	196	196	161	161

\*Note: This model is not suitable for EU market.

.1	Model		GMV-ND71PHS/D-T*	GMV-ND80PHS/D-T*	GMV-ND90PHS/D-T*	GMV-ND100PHS/ D-T*	GMV-ND112PHS/ D-T*
Occupation	Cooling	kW	7.1	8.0	9.0	10.0	11.2
Capacity	Heating	kW	8.0	9.0	10.0	11.2	12.5
Power supply		V/Ph/Hz		220-2-	40V~ 50Hz & 208-230V~	60Hz	
Power consumpt	ion	W	110	110	170	170	170
Airflow volume(H	I/M/L)	m³/h	1250/1050/950	1250/1050/950	1800/1450/1250	1800/1450/1250	2000/1600/1400
	Cooling	Α	0.9	0.9	1,4	1.4	1.4
Rated current	Heating	Α	0.9	0.9	1.4	1.4	1.4
FSP		Pa	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200
Sound pressure le	evel(H/M/L)	dB(A)	40/36/32	40/36/32	42/38/34	42/38/34	43/39/36
	Liquid	mm	Ф9.52	Ф9.52	Φ9.52	Ф9.52	Ф9.52
Connecting pipe	Gas	mm	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф15.9
Drain pipe	External dia.	mm	Ф25	Ф25	Ф25	Ф25	Ф25
Drain pipo	Thickness	mm	2.5	2.5	2,5	2.5	2.5
Dimension	Outline	mm	1000×700×300	1000×700×300	1400 × 700 × 300	1400×700×300	1400×700×300
(W ~ D ~ H)	Package	mm	1205×813×360	1205×813×360	1601×813×365	1601 × 813 × 365	1601×813×365
Net weight / Gra	ss weight	kg	41/47	41/47	54/61	54/61	54/61
I was allow a second with	40'GP	unit	138	138	84	84	84
Loading quantity	40'! IQ	unit	161	161	90	90	90

1	vlodel		GMV-ND125PHS/D-T*	GMV-ND140PHS/D-T*	GMV-ND160PHS/D-T*	GMV-ND180PHS/D-T*
	Cooling	kW	12.5	14.0	16.0	18.0
Capacity	Heating	kW	14.0	16.0	18.0	20.0
Power supply		W/Ph/Hz		220-240V~ 50Hz 8	3, 208-230V~ 60Hz	
Power consumpt	ion	W	170	240	240	350
Airflow voluma(H	/M/L)	m³/h	2000/1600/1400	2350/1900/1650	2500/2000/1750	3000/2600/2000
Outside works	Cooling	A	1.4	1,8	1.8	2.0
Rated current	Heating	A	1.4	1.8	1.8	2.0
ESP		Pa	90/0~200	90/0~200	90/0~200	90/0-170
Sound pressure le	wel(H/M/L)	dB(A)	44/40/37	44/41/38	45/43/40	49/47/44
_	Liquid	mm	Ф9.52	Φ9.52	Ф9.52	Φ9.52
Connecting pipe	Gas	mm	Φ15.9	Ф15.9	Φ19.05	Ф19.05
- 1 - 1	External dia.	mm	Ф25	Ф25	Ф25	Ф25
Drain pipe	Thickness	mm	2.5	2,5	2.5	2,5
Dimension	Outline	mm	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300	1400×700×300
$(W \times D \times H)$	Package	mm	1601 × 813 × 365	1601 × 813 × 365	1601 × 813 × 365	1678×808×365
Net weight / Gra:	ss weight	kg	54/61	54,5/61,5	54.5/61.5	58/67
A CONTRACTOR OF THE PARTY OF TH	40'GP	unit	84	84	84	84
Loading quantity	40'HQ	unit	98	98	98	98

\*Note: This model is not suitable for EU market.

# General Static Pressure Duct Type Indoor Unit

	Model		GMV-ND18PLS/C1-T	GMV-ND22PLS/C1-T	GMV-ND25PLS/C1-T	GMV-ND28PLS/C1-T	GMV-ND32PLS/C1-
a	Cooling	kW	1.80	2.20	2.50	2.80	3.20
Capacity	Heating	kW	2.20	2.50	2,80	3.20	3.60
Power supp	ly	V/Ph/Hz		220-2	40V~ 50Hz & 208-230V-	- 60Hz	
Power cons	umption	W	28	28	28	28	37
Airflow volur	ne(H/M/L)	m³/h	450/350/200	450/350/200	450/350/200	450/350/200	550/400/300
Rated	Cooling	Α	0.2	0.2	0.2	0,2	0,3
Current	Heating	Α	0.2	0.2	0.2	0.2	0.3
ESP	*	Pa	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30
Sound press (H/M/L)	sure level	clB(A)	30/25/22	30/25/22	30/25/22	30/25/22	31/27/25
Connecting	Liquid	mm	Ф6,35	Ф6.35	Ф6,35	Φ6.35	Ф6,35
pipe	Gas	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф12.7
	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	710 × 462 × 200	710 × 462 × 200	710 × 462 × 200	710 × 462 × 200	710 × 462 × 200
$(W \times D \times H)$	Package	mm	1008 × 558 × 275	1008 × 568 × 275	1008 × 568 × 275	1008 × 568 × 275	1008 × 568 × 275
Net weight/0	Gross weight	kg	18.5/23.5	18.5/23.5	18.5/23.5	18.5/23.5	19/24
Loading	40' GP	unit	386	386	386	386	386
quantity	40' HQ	unit	430	430	430	430	430

	Model		GMV-ND36PLS/C1-T	GMV-ND40PLS/C1-T	GMV-ND45PLS/C1-T	GMV-ND50PLS/C1-T	GMV-ND56PLS/C1-
A	Cooling	kW	3.60	4.00	4.50	5.00	5.60
Capacity	Heating	kW	4.00	4.50	5.00	5.60	6.30
Power supp	iy	W/Ph/Hz		220-2	40V~ 50Hz & 208-230V-	60Hz	No.
Power cons	umption	W	37	40	40	40	55
Airflow volui	me(H/M/L)	m³/h	550/400/300	750/550/400	750/550/400	750/550/400	950/700/550
Rated Cooling		Α	0.3	0.3	E.0	0.3	0.4
Current Healing		A	0.3	0.3	0.3	0.3	0.4
ESP		Pa	15/0 ~ 30	/0 ~ 30 15/0 ~ 30 15/0 ~ 30 15/0~30		15/0~30	15/0~30
Sound press (H/M/L)	sure level	dB(A)	31/27/25	33/29/27	33/29/27	33/29/27	35/31/29
Connecting	Liquid	mm	Ф6.35	Ф12.7	Ф12.7	Ф12.7	Ф15.9
pipe	Gas	mm	Ф12.7	Ф6.35	Ф6.35	Φ6,35	Φ9.52
	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	710 × 462 × 200	1010 × 462 × 200	1010×462×200	1010 × 462 × 200	1010 × 462 × 200
(W × D × H) Package		mm	1008 × 568 × 275	1308 × 568 × 275	1308 × 568 × 275	1308 × 568 × 275	1308 × 568 × 275
Net weight/Gross weight		kg	19/24	24/30	24/30	24/30	25/31
Loading	40' GP	urilt	386	288	288	288	288
quantity 40" HQ		unit	430	340	340	340	340

	Model		GMV-ND63PLS/C1-T	GMV-ND71PLS/C1-T	GMV-ND80PLS/C1-T	GMV-ND80PLS/C-T	GMV-ND90PLS/C-
6II	Caaling	kW	6.30	7,10	8.00	B.O	9.0
Capacity	Heating	kW	7,10	8.00	9.00	9,0	10.0
Power supp	ly	V/Ph/Hz		220-2	40V~ 50Hz & 208-230V~	60Hz	
Power consumption		W	55	55	55	110	130
Airflow volume(H/M/L)		m³/h	850/700/550	1100/850/650	1200/950/700	1250/1100/900	1500/1250/900
Rated Cooling		A	0.4	0.5	0.5	0.53	0.63
Current Heating		A	0.4	0.5	0.5	0.53	0.63
ESP		Pa	15/0~30	15/0~30	15/0~30	50/0 ~ 80	50/0 ~ 80
Sound press (H/M/L)	sure level	dB(A)	35/31/29	37/32/30	40/35/31	37/34/31	40/36/32
Connecting	Liquid	mm	Ф15.9	Φ15.9 Φ15.9		Φ9.52	Ф9.52
pipe	Gas	mm	Φ9.52	Ф9.52	Φ9.52	Ф15.9	Ф15.9
_	External dia.	mm	25	25	25	Ф25	Ф25
Drain pipe	Thickness	mm	2.5	2.5	2.5	2,5	2,5
Dimension	Outline	mm	1010 × 452 × 200	1310 × 462 × 200	1310×462×200	1200 × 655 × 260	1340 × 655 × 260
(W×D×H) Package		mm	1308 × 588 × 275	1608×568×275	1608×568×275	1448 × 858 × 315	1588 × 858 × 315
Net weight/Gross weigh		kg	25/31	31/37.5	31/37.5	39.0/48.0	45,5/54,5
Loading	40 ° GP	unit	288	229	229	154	105
quantity 40 ' HQ		unit	340	257	257	176	120

	Model		GMV-ND100PLS/C-T	GMV-ND112PLS/C-T	GMV-ND125PLS/C-T	GMV-ND140PLS/C-1	
-	Cooling	kW	10.0	11.2	12.5	14.0	
Capacity	Heating	kW	11.2	12.5	14.0	16.0	
Power supp	ply	V/Ph/Hz		220-240V~ 50Hz	\$ 208-230V~ 60Hz		
Power cons	sumption	W	130	130	170	170	
Airflow volu	me(H/M/L)	m³/n	1500/1350/1000	1700/1500/1100	2000/1700/1400	2000/1700/1400	
Rated Cooling		A	0.63	0.63	0.8	0.8	
Current Heating		A	0.63	0.63	0.8	0.8	
ESP		Pa	50/0 ~ 80	50/0 ~ 80	50/0 ~ 80	50/0 ~ 80	
Sound press (H/M/L)	sure level	dB(A)	40/36/32	40/36/32	42/40/37	42/40/37	
Connectino	Liquid	mm	Ф9,52	Ф9.52	Φ9.52	Φ9,52	
oipe	Gas	mm	Ф16.9	Ф15.9	Ф15.9	Ф15.9	
_	External dia.	mm	Ф25	Ф25	Ф25	Ф25	
Drain pipe	Thickness	mm	2.5	2.5	2.5	2.5	
Dimension	Outline	mm	1340×655×260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	
$(W \times D \times H)$	Package	mm	1588 × 858 × 315	1588 × 858 × 315	1588 × 858 × 315	1588 × 858 × 315	
Net weight/Gross weight		kg	45.5/54.5	45.5/54.5	46.5/55.5	46.5/55.5	
Loading	40 ' GP	unit	105	105	105	105	
quantity	40' HQ	unit	120	120	120	120	

# 360° Air Discharge Cassette Indoor Unit

	1	Model		GMV-ND22T/C-T	GMV-ND28T/C-T	GMV-ND36T/C-T	GMV-ND45T/C-T	GMV-ND50T/C-T
		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
ower supp			V/Ph/Hz	220-240V 50		10V~ 50Hz & 208-230V	- 60Hz	
Power consumption		on	W	26	26	26	26	28
Airflow volume(H/M/L)		m³/n	800/700/600	800/700/600	800/700/600	800/700/600	900/800/700	
		Cooling	A	0.2	0.2	0.2	0.2	0.2
Rated curre	ent	Heating	A	0.2	0.2	0.2	0.2	0.2
Sound pres	ssure le	vel(H/M/L)	dB(A)	33/30/28	33/30/28	33/30/28	34/30/28	35/32/29
		Liquid	mm	Φ6.35	Φ6.35	Φ6,35	Φ6,35	Φ6.35
Connecting	3 bibe	Gas	mm	Φ9.52	Ф9,52	Ф12,7	Φ12.7	Ф12.7
	0	External dia.	mm	Ф25	Ф25	Ф25	Φ25	Φ25
Drain pipe		Thickness	mm	2.5	2.5	2.5	2.5	2.5
. Dime	ension	Outline	mm	840 × 840 × 240	840 × 840 × 240	840 × 840 × 240	840 × 840 × 240	840 × 840 × 240
Main M×	D×H)	Package	mm	963 × 963 × 325	963 × 963 × 325	963 × 963 × 325	963 × 963 × 325	963 × 963 × 325
nody Netv	weight/0	iross weight	kg	27.0/35.0	27.0/35.0	27.0/35.0	27.0/35.0	28.0/36.0
- 1		Model		1F06	1F06	1F06	1F06	1F06
Dime	ension	Outline	mm	950 × 950 × 65	950 × 950 × 65	950 × 950 × 65	950 × 950 × 65	950 × 950 × 65
Panel (W ×	D×H)	Package	mm	1033 × 1020 × 110	1033 × 1020 × 110	1033 × 1020 × 110	1033 × 1020 × 110	1033 × 1020 × 110
Netv	weight/0	iross weight	kg	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5
andban a	santh.	40' GP	unit	126	126	126	126	126
Loading qu	uarnity	40' HQ	unit	144	144	144	144	144

	Model		GMV-ND56T/C-T	GMV-ND63T/C-T	GMV-ND71T/C-T	GMV-ND80T/C-T	GMV-ND90T/C-T
	Cooling	kW	5.6	6.3	7.1	0.8	9.0
Capacity	Heating	kW	6.3	7.1	8.0	9.0	10.0
Power supply	1 2	W/Ph/Hz	220-2		10V-50Hz & 208-230V	- 60Hz	
Power consumpt	ton	W	35	60	60	85	85
Airflow volume(H/M/L)		m³/n	950/850/750	1150/950/850	1150/950/850	1250/1000/900	1250/1000/900
No. of Contract	Cooling	A	0.2	0.4	0.4	0.4	0.4
Rated current	Heating	A	0.2	0.4	0.4	0.4	0.4
Sound pressure level(HVM/L)		dB(A)	37/33/30	37/34/31	37/34/31	39/37/34	39/37/34
Once well an other	Liquid	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52
Connecting pipe	Gas	mm	Φ15.9	Ф15.9	Ф15.9	Φ15.9	Ф15.9
	External dia.	mm	Ф25	Ф25	Ф25	Ф25	Ф25
Drain pipe	Thickness	mm	2.5	2,5	2.5	2.5	2.5
Dimension	Outline	mm	840 × 840 × 240	840 × 840 × 240	840 × 840 × 240	840 × 840 × 240	840 × 840 × 240
Main (W×D×H)	Package	mm	963 × 963 × 325	963 × 963 × 325	963 × 963 × 325	963 × 963 × 325	963 × 963 × 325
oody Net weight	Gross weight	kq	28.0/36.0	28.0/36.0	28.0/36.0	29.0/37.0	29.0/37.0
	Model		TF06	TF06	TF06	TF06	TF06
, Dimension	Outline	mm	950 × 950 × 65	950 × 950 × 65	950 × 950 × 65	950 × 950 × 65	950 × 950 × 65
Panel (W×D×H)	Package.	mm	1033×1020×110	1033×1020×110	1033 × 1020 × 110	1033 × 1020 × 110	1033 × 1020 × 110
Net weight/	Gross weight	kg	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5
	40 GP	unit	126	126	126	126	126
Loading quantity	40 ' HQ	unit	144	144	144	144	144

		Model		GMV-ND100T/C-T	GMV-ND112T/C-T	GMV-ND125T/C-T	GMV-ND140T/C-T	GMV-ND160T/C-T
	0400	Cooling	kW	10.0	11.2	12.5	14.0	16.0
Capac	City	Heating	kW	11.2	12.5	14.0	16.0	18.0
Power	r supply	(C)	V/Ph/Hz		220-240V- 50Hz & 208-230V- 60Hz		9	
	r consumpt	on	W	85	115	115	115	170
Airfiev	v volume(H	/M/L)	m³/h	1253/1000/900	1650/1300/1100	1650/1300/1100	1650/1300/1100	2000/1800/1430
Rated current Cooling		Cooling A		0.4	0.6	0.6	0.6	1.2
	current I pressure le	Heating	A dB(A)	0.4 39/37/34	0.6 43/41/39	0.6 43/41/39	0.6 43/41/39	1.2 51/48/42
		Liquid	mm	Φ9.52	Ф9.52	Ф9.52	Ф9.52	Ф9.52
Conne	acting pipe	Gas	mm	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф19.05
n		Externa dia.	mm	Ф25	Ф25	Ф25	Ф25	Ф25
Drain	bibe	Thickness	mm	2.5	2.5	2.5	2.5	2.5
220	Dimension	Outline mm		840 × 840 × 240	840 × 840 × 290	840 × 840 × 290	840 × 840 × 290	840 × 840 × 290
Main	(M×D×H)	Package	mm	963×963×325	963×963×379	963×963×379	963×963×379	963×963×379
bady	Net weight/0	Gross weight	kg	29.0/37.0	33.0/42.0	33.0/42.0	33.0/42.0	36.0/44.0
		Model		TF06	TF06	TF06	TF06	TF06
Panel	Dimension	Outline	.mm	950 × 950 × 65	950 × 950 × 65	950 × 950 × 65	950 × 950 × 65	950 × 950 × 65
ranei	(W×D×H)	Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110
		Gross weight	kg	6,0/9,5	6,0/9,5	6,0/9.5	6.0/9.5	6,0/9.5
		40 GP	unit	126	113	113	113	113
LUAGII	ng quantity	40 ' HQ	unit	144	124	124	124	124

	Model		GMV-ND22T/D1-T*	GMV-ND28T/D1-T*	GMV-ND36T/D1-T*	GMV-ND45T/D1-T*	GMV-ND50T/D1-T
	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 supply		V/Pn/Hz		220-24	40V~ 50Hz & 208-230V	- 60Hz	
Power consumption	1	W	40	40	40	50	50
Airflow volume(H/N	MLY	m³/h	800/700/600	800/700/600	800/700/600	900/800/700	900/800/700
	Cooling	A	0.35	0.35	0.35	0.44	0,44
Rated current	Heating	A	0.35	0.35	0.35	0.44	0.44
Sound pressure lev		dB(A)	32/29/27	32/29/27	32/29/27	35/30/27	35/30/27
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6,35	Ф6.35
Connecting pipe	Gas	mm	Ф9.52	Φ9.52	Ф12.7	Ф12.7	Ф12.7
Louisiano	External dia.	mm	Φ25	Ф25	Φ25	Ф25	Ф25
Drain pipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension	Outline	mm	840 × 840 × 200	840 × 840 × 200	840 × 840 × 200	840 × 840 × 200	840 × 840 × 200
Main (WxDxIII)	Package	mm	933×933×255	933×933×255	933×933×255	933×933×255	933×933×255
hady Net weight/G	ross weight	kg	19/23	19/23	19/23	19/23	19/23
Dimension	Outline	mm	950 × 950 × 65	950×950×65	950 × 950 × 65	950 × 950 × 65	950×950×65
Panel (W×D×H)	Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110
Net weight/6		kg	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5
	40'GP	unit	152	152	152	152	152
Loading quantity	40'HQ	unit	169	169	169	169	169
- 1A	Model		GMV-ND56T/D1-T*	GMV-ND63T/D1-T*	GMV-ND71T/D1-T*	GMV-ND80T/D1-T*	GMV-ND90T/D1-T
30	Cooling	kW	5.6	6,3	7.1	8.0	9,0
Capacity	Lesting	RW	6.3	7.1	0.0	9.0	10.0
Power supply	1 Harati Ig	V/Ph/Hz	4.0	20.1	40V~ 50Hz & 208-230V		10.0
	·	W	60	60	60	75	75
		m <sup>5</sup> /h	1100/935/850	1100/935/850	1100/935/850	1400/1000/900	1400/1000/900
Power consumption Airflow valume(H/M/L)			1 00/2533/000	1100/930/000	1100/333/430	1400/1000/300	1400/1000/200
Almow volumetring	-	۸	0.49	0.40	0.49	0.60	0.60
	Cooling	A	0.49	0.49	0.49	0.60	0.60
Rated current	Cooling Heating	Α	0.49	0.49	0.49	0.60	0,60
Rated current	Cooling Heating el(H/M/L)	A dB(A)	0.49 37/35/32	0.49 37/35/32	0.49 37/35/32	0.60 40/36/31	0,60 40/36/31
Rated current Sound pressure lev	Cooling Heating el(H/M/L) Liquid	A dB(A) mm	0.49 37/35/32 Φ9.52	0.49 37/35/32 Ф9.52	0.49 37/35/32 Ф9.52	0.60 40/36/31 Ф9,52	0,60 40/36/31 Ф9,52
Rated current Sound pressure lev Connecting pipe	Cooling Heating ret(H/M/L) Liquid Gas	A dB(A) mm mm	0.49 37/35/32 Ф9.52 Ф15.9	0.49 37/35/32 Ф9.52 Ф15.9	0.49 37/35/32 Ф9.52 Ф15.9	0.60 40/36/31 Φ9.52 Φ15.9	0,60 40/36/31 Ф9.52 Ф15.9
Rated current Sound pressure lev Connecting pipe	Cooling Heating ei(H/M/L) Liquid Gas External dia.	A dB(A) mm mm mm	0.49 37/35/32 Ф9.52 Ф15.9 Ф25	0,49 37/35/32 Ф9.52 Ф15.9 Ф25	0.49 37/35/32 Φ9.52 Φ15.9 Φ25	0.60 40/36/31 Ф9.52 Ф15.9 Ф25	0,60 40/36/31 Ф9,52 Ф15,9 Ф25
Rated current Sound pressure lev Connecting pipe Drain pipe	Cooling Heating el(H/M/L) Liquid Gas External dia. Thickness	A dB(A) mm mm mm mm	0.49 37/38/32 Φ9.52 Φ15.9 Φ25 2.5	0.49 37/35/32 Φ9.52 Φ15.9 Φ25 2.5	0,49 37/35/32 Φ9.52 Φ15.9 Φ25 2.5	0.60 40/36/31 Φ9.52 Φ15.9 Φ25 2.5	0,60 40/36/31 Ф9,52 Ф15.9 Ф25 2,8
Rated current  Sound pressure lev  Connecting pipe  Drain pipe  Main   Dimension   Michael   Mic	Coolino Heating el(H/M/L) Liquid Gas External dia. Thickness Outline	A dB(A) mm mm mm mm	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 843×840×200	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 840×840×200	0.49 37/35/32 Φ9.52 Φ15.9 Φ25 2.5 840×840×200	0.60 40/36/31 Φ9.52 Φ15.9 Φ25 2.6 840×840×240	0,60 40/36/31 Φ9.52 Φ15.9 Φ25 2.8 840×840×240
Rated current  Sound pressure lev  Connecting pipe  Drain pipe  Main (W×D×H)	Cooling Heating Helipating Helipating Helipating Gas External dia. Thickness Outline Package	A dB(A) mm	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 843×840×200 933×933×255	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 840×840×200 933×933×255	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 840 × 840 × 200 933 × 933 × 255	0.60 40/36/31 Φ9.52 Φ15.9 Φ25 2.6 840 × 840 × 240 933 × 933 × 292	0.60 40/36/31 Φ9.52 Φ15.9 Φ25 2.8 840×840×240 933×933×232
Rated current Sound pressure lev Connecting pipe Drain pipe  Main (W × D × H) Net weight/G	Cooling Heating Heating Helth/M/L) Liquid Gas External dia. Thickness Outline Package Gross weight	A dB(A) mm mm mm mm mm kg	0.49 37/38/32 Ф9.62 Ф15.9 Ф25 2.5 843 × 840 × 200 933 × 933 × 255 21/26	0.49 37/36/32 Ф9.52 Ф15.9 Ф25 2.5 840×840×200 933×933×255 21/26	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 840 × 840 × 200 933 × 933 × 255 21/25	0.60 40/36/31 Ф9.52 Ф15.9 Ф25 2.5 840×840×240 933×933×292 22.5/27.5	0,60 40/36/31 Φ9,52 Φ15,9 Φ25 2,8 840×840×240 933×933×292 22,5/27,5
Rated current  Sound pressure lev  Connecting pipe  Drain pipe  Main (W×D×H) body  Net weight/G  Dimension	Cooling Heating Heating El(H/M/L) Liquid Gas External dia. Thickness Outline Package Pross weight Outline	A dB(A) mm mm mm mm mm kg mm	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 840×840×200 933×933×255 21/25 950×950×65	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 840 × 840 × 200 933 × 933 × 255 21/25 950 × 950 × 65	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 840 × 840 × 200 933 × 933 × 255 21/25 950 × 950 × 65	0.60 40/36/31 99.52 Ф15.9 Ф25 2.5 840×840×240 933×933×292 22.5/27.5 950×950×65	0.60 40/36/31 Φ9.52 Φ15.9 Φ25 2.8 840 × 840 × 240 933 × 933 × 292 22.5/27.5 950 × 950 × 65
Rated current  Sound pressure lev Connecting pipe  Drain pipe  Main Dimension (W × D × H)  Dimension Panet (W × D × H)	Coolina Heating Heating Heating Heating Heating Cas External dia. Thickness Outline Package Package Courtine Package Package Package	A dB(A) mm mm mm mm mm kg mm mm	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 842 × 840 × 200 933 × 933 × 255 21/26 21/26 10/33 × 1020 × 110	0.49 37/36/32 Ф9.52 Ф15.9 Ф25 2.5 840 × 840 × 200 933 × 933 × 255 21/25 950 × 950 × 65 1033 × 1020 × 110	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 840 × 840 × 200 933 × 933 × 255 21/25 950 × 950 × 65 1033 × 1020 × 110	0.60 40/36/31 Ф9.52 Ф15.9 Ф25 2.5 840 × 840 × 240 933 × 933 × 292 22.5/27.5 950 × 950 × 65 1033 × 1020 × 110	0.60 40/36/31 09.52 015.9 025 2.8 840 x 840 x 240 933 x 933 x 292 22.5/27.5 950 x 950 x 65 1033 x 1020 x 110
Rated current Sound pressure lev Connecting pipe Drain pipe  Main (W × D × H) body Net weight/G Dimension	Coolino Heating ei(H/M/L) Liquid Gas External dia. Thickness Outline Package Pross weight Outline Package Cross weight	A dB(A) mm mm mm mm kg mm kg	0.49 37/38/32 Ф9.52 Ф15.9 Ф25 2.5 843 × 840 × 200 933 × 933 × 255 21/26 950 × 950 × 65 1033 × 1020 × 110 6.0/9.5	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 840 × 840 × 200 933 × 933 × 255 21/25 950 × 950 × 65 1033 × 1020 × 110 6.0/9.5	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 840 × 840 × 200 933 × 933 × 255 21/25 950 × 950 × 65 1033 × 1020 × 110 6.0/9.5	0.60 40/36/31 Φ9.52 Φ15.9 Φ25 2.5 840×840×240 933×933×292 22.5/27.5 950×950×65 1033×1020×110 6.0/9.5	0,60 40/36/31 Φ9.52 Φ15.9 Φ25 2.8 840×840×240 933×933×292 22.5/27.5 950×950×65 1033×1020×110 6.0/9.5
Rated current  Sound pressure lev Connecting pipe  Drain pipe  Main Dimension (W × D × H)  Dimension Panet (W × D × H)	Coolina Heating Heating Heating Heating Heating Cas External dia. Thickness Outline Package Package Courtine Package Package Package	A dB(A) mm mm mm mm mm kg mm mm	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 842 × 840 × 200 933 × 933 × 255 21/26 21/26 10/33 × 1020 × 110	0.49 37/36/32 Ф9.52 Ф15.9 Ф25 2.5 840 × 840 × 200 933 × 933 × 255 21/25 950 × 950 × 65 1033 × 1020 × 110	0.49 37/35/32 Ф9.52 Ф15.9 Ф25 2.5 840 × 840 × 200 933 × 933 × 255 21/25 950 × 950 × 65 1033 × 1020 × 110	0.60 40/36/31 Ф9.52 Ф15.9 Ф25 2.5 840 × 840 × 240 933 × 933 × 292 22.5/27.5 950 × 950 × 65 1033 × 1020 × 110	0.60 40/36/31 09.52 015.9 025 2.8 840 x 840 x 240 933 x 933 x 292 22.5/27.5 950 x 950 x 65 1033 x 1020 x 110

N/	lodel		GMV-ND100T/D1-T*	GMV-ND112T/D1-T*	GMV-ND125T/D1-T*	GMV-ND140T/D1-T*	
O	Cooling	kW	10.0	11.2	12,5	14.0	
Capacity	Heating	kW	11.2	12.5	14.0	16.0	
ower supply		WPh/Hz		220-240V~ 50Hz 8	% 208-230V~ 60Hz		
Power consumption	5	W	100	100	160	160	
Airflow volume(H/N	VL)	m³/h	1550/1200/1000	1550/1200/1000	1800/1450/1150	1800/1450/1150	
National accessors	Cooling	A	0.76	0.76	0.85	0,85	
Rated current	Heating	A	0.76	0.76	0.85	0,85	
Sound pressure lev	el(LI/M/L)	dB(A)	40/09/05	43/39/35	40/41/05	40/41/05	
	Liquid	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52	
Connecting pipe	Gas	mm	Ф15.9	Ф15.9	Ф15.9	Ф15.9	
V. V. V.	External dia,	mm	Ф25	Ф25	Ф25	Ф25	
Orain pipe	Thickness	mm	2.5	2.5	2.5	2.5	
Dimension	Outline	mm	840 × 840 × 240	840 × 840 × 240	840 × 840 × 290	840 × 840 × 290	
Main (W×D×H)	Package	mm	933 × 933 × 292	933 × 933 × 292	933 × 933 × 345	933 × 933 × 345	
Net weight/C	ross weight	kg	22,5/27,5	22.5/27.5	25/30.5	25/30.5	
Dimension	Outline	mm	950 × 950 × 65	950 × 950 × 65	950 × 950 × 65	950 × 950 × 65	
Panel (W×D×H)	Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	
Net weight/C	ross weight	kg	6,0/9,5	6.0/9.5	6.0/9.5	6.0/9.5	
and an exemple.	40'GP	unit	139	139	117	117	
Loading quantity	40'HQ	unit	157	157	135	135	

\*Note: This model is not suitable for EU market.

# 360° Air Discharge Compact Cassette Indoor Unit

		Model		GMV-ND15T/E-T	GMV-ND18T/E-T	GMV-ND22T/E-T	GMV-ND28T/E-T
2000		Cooling	KW	1.5	1.8	2.2	2.8
Capa	city	Heating	kW	1.8	2,2	2.5	3.2
Powe	csupply		V/Ph/Hz		220-240V~ 50Hz	8 208-236V~ 60Hz	
Powe	r consumpt	ion	W	30	30	30	30
Airfloy	w volume(H	/M/L)	m²/h	460/420/370	460/420/370	500/460/370	570/480/420
24.1	Rated current Cooling		A	0.15	0.15 0.15		0.15
Hatec	current	Heating	A	0.15	0.15	0.15	0.15
Souna	d pressure le	vel(H/M/L)	dB(A)	33/30/25	33/30/25	36/31/25	35/33/28
Connecting pipe Liquid Gas		Liquid	mm	Ф6.35	Ф6.35	Φ6,35	Φ6,35
		Gas	mm	Ф9.52	Ф9.52	Ф9.52	Ф9.52
4 7		External dia.	mm	Ф25	Ф25	Ф25	Ф25
Drain	pipe	Thickness	mm	2,5	2.5	2.5	2,5
	Dimension	Outline	mm	570×570×265	570 × 570 × 265	570 × 570 × 265	570 × 570 × 265
Main	$(W \times D \times H)$	Package	mm	698 × 653 × 295	698 × 653 × 295	698 × 653 × 295	698 × 653 × 295
эсц	Net weight/	Grass weight	kg	17.5/22,5	17.5/22.5	17.5/22.5	17.5/22.5
		Model.		TF05	TF05	TF05	TF05
Connect	Dimension	Outline	mm	620 × 620 × 47.5	620×620×47.5	620×620×47.5	620 × 620 × 47,5
Panel	(W×D×H)	Package	mm	701 × 701 × 125	701 × 701 × 125	701 × 701 × 125	701 × 701 × 125
	Net weight/s	Gross weight	kg	3.0/4.5	3.0/4.5	3.0/4.5	3.0/4.5
Loading quantity 40 GP 40 HQ		40' GP	unit	378	378	378	378
		40' HQ	unit	432	432	432	432

		Model		GMV-ND36T/E-T	GMV-ND45T/E-T	GMV-ND50T/E-T	GMV-ND56T/E-T	
	- 4	Cooling	KW	3.6	4.5	5.0	5.6	
Capa	city	Heating	kW	4.0	5.0	5.6	6.3	
Powe	r supply	1. 100	V/Ph/Hz		220-240V~ 50Hz 8	& 208-230V~ 60Hz		
Powe	r consumpti	ion	W	30	45	45	45	
Airflow volume(H/M/L)		m³/h	620/550/480	730/650/660	730/650/560	730/650/560		
-	cooling Cooling		A	0.15	0.23	0.23	0.23	
natec	Heating		A	0.15	0.23	0.23	0.23	
Sound pressure level(H/M/L)		dB(A)	39/37/35	43/41/39	43/41/39	43/41/39		
Llauld		mm	Φ6,35	Φ6.35	Φ6.35	Φ9,52		
Connecting pipe Gas		Gas	mm	Ф12.7	Ф12.7	Φ12.7	Ф15.9	
	1400	External dia,	mm	Ф25	Φ25	Ф25	Ф25	
Drain	pipe	Thickness	mm	2.5	2.5	2.5	2.5	
	Dimension	Outline	mm	570 × 570 × 265	570 × 570 × 265	570 × 570 × 265	570×570×265	
Main	$(M \times D \times H)$	Package	mm	698 × 653 × 295	698 × 653 × 295	698 × 653 × 295	698 × 653 × 295	
July	Net weight/0	Cross weight	kg	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5	
		Model		TF05	TF05	TF05	TF05	
	Dimension	Outline	mm	620 × 620 × 47.5	620 × 620 × 47.5	620 × 620 × 47.5	620 × 620 × 47,5	
Panel (W×D×H)		Package	mm	701 × 701 × 125	701 × 701 × 125	701 × 701 × 125	701 × 701 × 125	
Net weight/Cross		Cross weight	kg	3.0/4.5	3.0/4.5	3.0/4.5	3.0/4.5	
		40 ' GP	unit	378	978	378	376	
Loading quantity 40		40' HQ	unit	432	432	432	432	

# 2-way Cassette Indoor Unit

	1	Model		GMV-ND28TS/ B-T	GMV-ND36TS/ B-T	GMV-ND45TS/ B-T	GMV-ND50TS/ B-T	GMV-ND56TS/ B-T	GMV-ND63TS/ B-T	GMV-ND71TS/ B-T	GMV-ND80TS/ B-T
		Cooling	RW.	2.8	3.6	4.5	5.0	5.6	6.3	7.1	0,8
Capac	ty	Heating	KW	3.2	4,0	5.0	5.6	6.3	7.1	0.8	9.0
Power	supply	S.C.	WPh/Hz	tz 220-240V - 50Hz & 209-230V - 60Hz							
Power	lower consumption		W	20	20	30	30	30	30	55	55
Arflow volume(H/M/L)		m³/h	671/616/513	671/616/513	71.5/616/513	715/616/513	764/709/676	764/709/676	816/745/660	816/745/660	
257525	Cooling		A	0.25	0.25	0.30	0.30	0.30	0.30	0.49	0.49
Rated	Rated current Heating		A	0.25	0.25	0.30	0.30	6,30	0.90	0.49	0.49
Sound pressure level(H/M/L)		dB(A)	33/31/28	33/31/28	35/31/28	35/31/28	37/35/32	37/35/32	39/37/34	39/37/34	
Liquid		mm	Φ6.35	Φ6.35	Ø5.35	Φ6.35	Φ9,52	Φ9,52	Ф9.52	Φ9,52	
Conne	otling pipe	Gas	mm	Ф9.52	Ф12.7	0127	ф12.7	Ф15.9	Ф15.9	015.9	Ф15.9
or waren	Second 1	External dia.	mm	025	0.25	Ф25	Ф25	Ф25	Q25	Ф25	0.25
Drain p	ipe	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2,5
9	Dimension	Outine	mm	790×630×280	790×630×280	790×630×280	790×630×280	790×630×230	790×630×280	790 × 630 × 280	790×630×280
Main	(W×D×H)	Padkage	mm	1093×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033 × 740 × 365	1033×740×365
Lically	Net weight/G	iross weight	ka	25.5/33.0	25.5/33.0	25.5/33.0	25.5/33.0	25.0/33.5	26.0/33.5	26.0/33.5	26.0/33.5
	Model			TE03	TE03	TE03	TE03	TE03	TE03	TE03	TE03
	Dimension	Outine	mm	1100×710×28	1100×710×28	1100×710×28	1100×710×28	1100×710×28	1100×710×28	1100×710×28	1100×710×28
Pand (W×D×H)		Padkage	mm	1230 × 843 = 130	1230×843×130	1230×843×130	1230×843×130	1230×843×130	1230×843×130	1230×843×130	1230 × 843 × 130
Net weight/G		iross weight	kg	6.0/10.6	6.0/10.5	6.0/10.5	6.0/10.5	6.0/10.5	6.0/10.5	6.0/10.5	6.0/10.5
40'GP		unit	144	144	144	144	144	144	144	144	
Loadin	g quantity	40'HQ	unit	168	166	166	166	166	165	166	166

# 1-way Cassette Indoor Unit

	1	Model		GMV-ND22TD/A-T	GMV-ND28TD/ A-T	GMV-ND36TD/A-T	GMV-ND45TD/A-T	GMV-ND50TD/A-T	GMV-ND56TD/A-1			
Conn	N. I.	Cooling	kW	2.2	2.8	3.6	4.5	5.0	5.6			
Capa	city	Heating	kW	25	3.2	4.0	5.0	5.6	6.3			
Powe	r supply		V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz							
Power consumption W		W	30	30	30	45	45	45				
Airflow volume(H/M/L.)		m³/h	600/500/450	600/500/450	600/500/450	830/600/500	830/600/500	890/667/564				
	Cooling A		A	0.2	0.2	0.2	0.3	0.3	0.3			
Rated current Heating		A	0.2	0.2	0.2	0.3	0.3	0.3				
Sound pressure level (H/M/L) dB)		dB(A)	36/32/28	36/32/28	36/32/28	40/35/30	40/35/30	41/38/35				
_		Liquid	mm	Φ6.35	Φ6.35	Ψ6.35	Ψ6.35	ψ6.35	Φ9.52			
Conn	ecting pipe	Gas	mm	Ф9.52	Ф9.52	Ф12.7	Ф12.7	Ф12.7	Ф15.9			
Drain	nina	External dia.	mm	Ф25	Φ25	Φ25	Ф25	Ф25	Ф25			
	Po-berr	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5			
	Dimension		mm	987 × 385 × 178	987 × 385 × 178	987×385×178	987×385×178	987 × 385 × 178	987 × 385 × 178			
Main body	$(W \times D \times H)$	Package	mm	1307 × 501 × 310	1307 × 501 × 310	1307×501×310	1307×501×310	1307×501×310	1307 × 501 × 310			
July	Net weight/0	Gross weight	kg	20/27	20/27	20/27	21/28.5	21/28.5	21/28.5			
		Model		TD01	TD01	TD01	TD01	TD01	TD01			
	Dimension	Outline	mm	1200 × 460 × 55	1200 × 460 × 55	1200 × 460 × 55	1200×460×55	1200 × 460 × 55	1200 × 460 × 55			
Panel	$(W \times D \times H)$	Package	mm	1265 × 536 × 121	1265 × 536 × 121	1265 × 536 × 121	1265 × 536 × 121	1265 × 536 × 121	1265×536×121			
Net weight/G		Gross weight	kg	4.2/6	4.2/6	4.2/6	4.2/6	4.2/6	4.2/6			
r 2 2 2 2		40' GP	unit	215	215	215	215	215	215			
Load	ng quantity	40' HQ	unit	242	242	242	242	242	242			

	Mo	dol		GMV-ND63TD/B-T	GMV-ND71TD/B-T	GMV-ND80TD/B-T
		Coaling	kW	6.3	7.1	0.8
Capacity		Heating	KW	7.1	8.0	9.0
Power supp	alý		V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60H	lz.
Power cons	surription		W	57	83	83
Airflow volu	irflow volume(H/M/L)		m³/h	880/680/600	1000/680/600	1000/683/600
Cooling		Cooling	A	0.55	0.86	0.86
Rated curre	ent.	Heating	A	0.55	0.86	0.86
Sound pres	sure level(H/M	M/L)	dB(A)	42/39/36	44/39/36	44/39/36
0	Control of C	Liquid	mm	Φ9.52	Φ9.52	Ф9.52
Connecting	bibe	Gas	mm	Ф15.9	Ф15.9	Ф15.9
o and a second		External dia.	mm	Ф25	Ф25	Ф25
Drain pipe		Thickness	mm	2.50	2.50	2.50
	Dimension	Outline	mm	1200×470×200	1200 × 470 × 200	1200 × 470 × 200
Main body	(W×D×H)	Package	mm	1438 × 548 × 255	1438 × 548 × 255	1438 × 548 × 255
	Net weight/	Gross weight	kg	26/31.5	26/31.5	26/31.5
	100000000000000000000000000000000000000	Model		TD03	TD03	TD03
Danal	Dimension	Outline	mm	1350 × 555 × 64	1350 × 555 × 64	1350 × 555 × 64
Panel	(W×D×H)	Package	mm	1443×648×155	1443 × 648 × 155	1443 × 643 × 155
	Net weight/	Gross weight	kg	7.8/13.5	7.8/13.5	7.8/13.5
Landina a	no Kit.	40'GP	unit	170	170	170
Loading qu	aminy	40'HQ	unit	189	189	189

# Floor Ceiling Type Indoor Unit

	Model		GMV-ND28ZD/B-T	GMV-ND36ZD/B-T	GMV-ND50ZD/B-T	GMV-ND56ZD/B-T	GMV-ND63ZD/B-T	GMV-ND71ZD/B-T
Canaaltii	Cooling	KW	2.8	3.6	5.0	5.6	6.3	7.1
Capacity	Heating	kW	3.2	4.0	5.6	6.3	7.1	8.0
Power supply	7,55	WPh/Hz	N		220-240V~ 50Hz 8	3 208-230V~ 60Hz	().	
Power consumpt	ion	W	35	35	55	55	60	80
Airflow volume(H	/M/L)	m³/h	600/500/450	600/500/450	750/650/600	750/650/600	1350/1200/1050	1350/1200/1050
Charles and an investment	Cooling	A	0.2	0.2	0.3	0.3	0.4	0.4
Rated current	Heating	A	0.2	0.2	0.3	0.3	0.4	0.4
Sound pressure le	evel(H/M/L)	dB(A)	36/32/29	36/32/29	42/39/36	42/39/36	44/41/38	44/41/38
	Liquid	mm	Φ6.35	Ф6.35	Φ6.35	Φ9.52	Φ9.52	Φ9,52
Connecting pipe	Gas	mm	Φ9.52	Ф12.7	Ф12.7	Ф 15,9	Ф15.9	Ф15.9
Barrier and the same	External dia.	mm	Ф17	Φ17	Φ17	Ф17	Ф17	Ф17
Drain pipe	Thickness	mm	1.75	1.75	1.75	1.76	1.75	1.75
Dimension	Outline	mm	870×665×235	870 × 665 × 235	870 × 665 × 235	870×665×235	1200 × 665 × 235	1200 × 665 × 235
$(W \times D \times H)$	Package	mm	973 × 770 × 300	973×770×300	973×770×300	973×770×300	1303×770×300	1303×770×300
Net weight/Gross	weight	kg	24/29	24/29	25/30	25/30	32/38	32/38
1	40' GP	unit	252	252	252	252	189	189
Loading quantity	40' HQ	unit	288	288	288	288	216	216

	Model		GMV-ND90ZD/B-T	GMV-ND112ZD/B-T	GMV-ND125ZD/B-T	GMV-ND140ZD/B-T	GMV-ND160ZD/B-
CIt	Cooling	kW	9.0	11.2	12.5	14.0	16.0
Capacity	Heating	kW	10.0	12.5	14.0	16.0	18,0
Power supply		V/Ph/Hz		220-24	40V~ 50Hz & 208-230V	~ 60Hz	
Power consumpt	ion	W	120	120	120	150	175
Airflow volume(H	I/M/L)	m³/h	1550/1400/1250	1800/1600/1400	1800/1600/1400	2000/1750/1600	2150/1850/1650
Rated current	Cooling	A	0.7	0.7	0.7	0.8	0.9
Hateo current	Heating	A	0.7	0.7	0.7	0.8	0.9
Sound pressure le	evel(H/M/L)	dB(A)	47/44/41	47/44/42	47/44/42	49/45/43	52/48/45
	Liquid	mm	Ф9.52	Ф9,52	Ф9,52	Ф9,52	Φ9.52
Connecting pipe	Gas	mm	Ф15.9	Ф15.9	Ф15.9	Ф15.9	Ф19.05
	External dia.	mm	Ф17	Ф17	Ф17	Φ17	Ф17
Drain pipe	Thickness	mm	1.75	1.75	1.75	1.75	1.75
Dimension	Outline	mm	1200 × 665 × 235	1570 × 665 × 235	1570×665×235	1570 × 665 × 235	1570 × 665 × 235
(W×D×H)	Package	mm	1303 × 770 × 300	1669×770×300	1669 × 770 × 300	1669 × 770 × 300	1669 × 770 × 300
Net weight/Gross	s weight	kg	33/39	41/48	41/48	43/50	43/50
	40' GP	unit	189	147	147	147	147
Loading quantity	40' HQ	unit	216	168	168	168	168

# Wall-mounted Type Indoor Unit

1	Model		GMV-ND15G/ B4B-T	GMV-ND18G/ B4B-T	GMV-ND22G/ B4B-T	GMV-ND28G/ B4B-T	GMV-ND36G/ B4B-T	GMV-ND45G/ B4B-T	GMV-ND50G/ B4B-T
0	Cooling	kW.	1.5	1.8	2.2	2.8	3.6	4.5	5.0
Capacity	Heating	kW	1.8	2.2	2,5	3.2	4.0	5.0	5.6
Power supply		V/Ph/Hz		5	220-240V	- 50Hz & 208-23	0V- 60Hz		
Power consump	tion	W	20	20	20	20	25	35	35
Airflow volume(H	I/M/L)	m³/h	500/440/300	500/440/300	500/440/300	500/440/300	630/460/320	850/580/500	850/580/500
	Caoling	A	0.1	0.1	0.1	0.1	0.12	0.17	0.17
Rated current	Heating	A	0.1	0.1	0.1	0.1	0.12	0.17	0.17
Sound pressure le	vel(H/M/L)	dB(A)	35/33/30	35/33/30	35/33/30	35/33/30	38/35/31	43/40/37	43/40/37
	Liquid	mm	Φ6,35	Ф6.35	Ф6.35	Ф6.35	Φ6,35	Φ6,35	Φ6.35
Connecting pipe	Gas	mm	Ф9,52	Ф9.52	Ф9.52	Ф9.52	Ф12.7	Ф12.7	Ф12.7
Drain pipe	External dia.	mm	Φ20	Φ20	Φ20	Φ20	Φ20	Φ20	Ф20
	Thickness	mm	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Dimension	Outline	mm	845 × 209 × 289	845 × 209 × 289	845 × 209 × 289	845 × 209 × 289	845 × 209 × 289	970 × 224 × 300	970 × 224 × 300
$(W \times D \times H)$	Package	mm	976 × 281 × 379	976×281×379	976 × 281 × 379	976×281×379	976 × 281 × 379	1096 × 308 × 395	1096 × 308 × 395
Net weight/Gross	s weight	kġ	10.5/ 2.5	10.5/12.5	10.5/12.5	10.5/12.5	10.5/12.5	12.5/15.5	12.5/15.5
I washe was a same	40 ' GP	unit	576	576	576	576	576	448	448
Loading quantity	40' HQ	unit	576	576	576	576	576	512	512

	Model		GMV-ND56G/ B4B-T	GMV-ND63G/ B4B-T	GMV-ND71G/ B4B-T	GMV-ND80G/ B4B-T	GMV-ND90G/ B4B-T	GMV-ND100G/ B4B-T
Canada	Caoling	kW	5.6	6.3	7.1	8.0	9,0	9.5
Capacity	Heating	KW	6.3	7.1	7.5	9.0	10.0	10.5
Power supply		V/Ph/Hz			220-240V~ 50Hz 8	3. 208-230V~ 60Hz		
Power consumpt	ton	W	50	50	65	80	80	100
Airflow volume(H	VM/L)	m³/h	1100/850/650	1100/850/650	1200/850/650	1550/1050/800	1550/1050/800	1650/1100/900
Rated current	Cooling	A	0.24	0.24	0.31	0.4	0.41	0.41
isted current	Heating	A	0.24	0.24	0.31	0,4"	0.41	0.41
Sound pressure li	evel(H/M/L)	dB(A)	43/41/37	43/41/37	44/41/37	49/46/40	49/46/40	52/48/40
	Liquid	mm	Ф9,52	Ф9.52	Φ9.52	Ф9,52	Ф9.52	Φ9.52
Connecting pipe	Gas	mm	Ф15.9	Ф15.9	Ф15.9	Ф15,9	Ф15.9	Ф15.9
Drain pipe	External da.	mm	Ф20	Ф20	Ф20	Ф20	Ф20	Ф20
	Thickness	mm	1,5	1.5	1.5	1.5	1,5	1.5
Dimension	Outline	mm	1078 × 246 × 325	1078 × 246 × 325	1078 × 246 × 325	1350 × 253 × 326	1350 × 258 × 326	1350 × 258 × 326
(W×D×H)	Package	mm	1203×338×425	1203×338×425	1203 × 338 × 425	1496×357×433	1496×357×433	1496 × 357 × 433
Net weight/Gross	s weight	kg	16/19	16/19	16/19	20/24	20/24	20/24
London a continu	40' GP	unit	282	282	282	228	228	228
Loading quantily	40' HQ	unit	329	329	329	266	266	266

## Console Indoor Unit

1	Model		GMV-ND22C/A-T	GMV-ND28C/A-T	GMV-ND36C/A-T	GMV-ND45C/A-T	GMV-ND50C/A-T
0	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/Liz		220 2	40V - 50Hz & 208 230V	601 lz	
Power consumpt	tion	W	15	15	20	40	40
Airflow volume(H	/M/L)	m³/h	400/320/270	400/320/270	480/400/310	680/600/500	680/600/500
	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
Sound pressure le	evel(H/M/L)	dB(A)	38/33/27	38/33/27	40/37/32	46/43/39	46/43/39
	Liquid	mm	Φ6.35	Ф6.35	Φ6,35	Ф6.35	Ф6.35
Connecting pipe	Gas	mm	09.52	Φ9.52	Ф12.7	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Ф28	Ф28	Ф28	Ф28	Ф28
	Thickness	mm	1	1	1	1	1
Dimension	Outline	mm	/UU×215×600	700 × 215 × 600	/00×215×600	700 × 215 × 600	700×215×600
$(W \times D \times H)$	Package	mm	788 × 283 × 777	788 × 283 × 777	788 × 283 × 777	788 × 283 × 777	788 × 283 × 777
Net weight/Gross	weight	kg	16/19	16/19	16/19	16/19	16/19
	40' GP	unit	348	348	348	348	348
Loading quantity	40' HQ	unit	348	348	348	348	348

# Floor Standing Type

1	Model		GMV ND100L/A T	GMV ND140L/A T
0	Cooling	kW	10.0	14.0
Capacity	Heating	kW	11.0	15.0
Power supply		V/Ph/Hz	220-240V~ 50Hz	\$ 208-230V~ 60Hz
Power consump	tian	W	200	200
Airflow volume(H	I/M/L)	m³/h	1850/1600/1400	1850/1600/1400
Sound pressure I	evel(H/M/L)	dB(A)	50/48/46	50/48/46
C	Liquid	mm	Ф9.52	Φ9.52
Connecting pipe	Gas	mm	Ф15.9	Ф15.9
Drain pipe	External dia.	mm	Ф31	Ф31
	Thickness	mm	4.5	4.5
Dimension	Outline	mm	580 × 400 × 1870	580 × 400 × 1870
$(W \times D \times H)$	Package	mm	738 × 545 × 2083	738 × 545 × 2083
Net weight/Gross	s weight	kg	54.0/74.0	57.0/77.0
Londina augadis	40' GP	unit	67	67
Loading quantity	40' HQ	unit	67	67

# **Concealed Floor Standing Type**

3	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
Capacity	Cooling Heating	kW kW	2.2 2.5	2.8 3.2	3.6 4.0	4.5 5.0	5.6 6.3	6.3 7.1	7.1 8.0
Power supply		V/Ph/Hz			220-240V	~ 50Hz & 208-23	80V~ 60Hz		
Pawer consump	tion	W	35	35	43	45	80	80	90
Airflow volume(H	I/M/L)	m³/h	450/350/250	450/350/250	550/450/350	650/500/400	900/750/600	900/750/600	1100/900/700
Catada	Cooling	A	0.18	0,18	0.22	0.23	0.41	0.41	0.46
Rated current	Heating	Α	0.18	0.18	0.22	0.23	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 l	evel(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
C	Liquid	mm	Φ6.35	Φ6,35	Φ6,35	Φ6,35	Ф9,52	Ф9.52	Φ9.52
Connecting pipe	Gas	mm	Ф9.52	Φ9.52	Ф12.7	Ф12.7	Ф15.9	Ф15.9	Ф15,9
Drain pipe	External da.	mm	Ф25	Φ25	Ψ25	ψ25	Ф25	Ф25	Ф25
PRO SELLO PRIBERO	Thickness	mm	1.2	1.2	1.2	1.2	1.2	1.2	1,2
Dimension	Outline	mm	700×200×615	700 × 200 × 615	700×200×615	900×200×615	1100×200×615	1100×200×615	1100 × 200 × 615
$(W \times D \times H)$	Package	mm	893×305×743	893 × 305 × 743	893 × 305 × 743	1123×305×743	1323 × 305 × 743	1323 × 305 × 743	1323 × 305 × 743
Net weight/Gross	s weight	Кр	23/30	23/30	23/30	27/36	32/41	32/41	32/41
Loading quantity	40' GP	unit	273	273	273	217	175	175	175
Loading quartity	40' HQ	unit	312	312	312	248	200	200	200

### AHU-KIT

		Madel		GMV-	N36U/	GM	V-N71U	/C-T	GMV	-N140L	J/C-T		GMV	-N280L	J/C-T		GMV	-N5601	J/C-T
Defaulted	1	Capacity		3	16		71			140				280				560	
capacity		Cooling	kW.	3	.6		7.1			14.0				28.0				56.0	
factory		Heating	kW:	- 4	.0	33	B.C			16.0				31.5				63.0	
2515 (SSV2)		Capacity		28	36	45	56	71	90	112	140	224	280	335	400	450	504	560	840
Adjustabl	le	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
capacity		Heating	kW	3.2	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 in	put	of the constant	W		8		8			8	y a contract			8	N. Williams			8	0.121.7700
Power su	ipply		V/Ph/Hz			(d): (7):			220	-240V~	50Hz 8	208-2	30V- 60	Hz		202			o-
Size of		(T (ex-	mm	Ф6.35	06,35	Ф9,52	Ф9.52	Ф9,52	Ф9,52	Φ9,52	Φ9.52	Ф.9.52	Ф9,52	Φ9,52	Ф9,52	Ф9,52	Ф15.9	Ф15,9	Ф15.9
connection	Air .	Liquid pipe	12000	Ф6.35	06.35	Ф6.35	Ф9.52	Ф9.52	Φ9.52	Ф9.52	Φ9,52	Φ9.52	Ф9.52	Ф12.7	Ф12.7	Ф12.7	Ф15.9	Ф15.9	Ф19.05
pipe	handing unit	Gas pipe	mm	Ф9.52	012.7	Ф12.7	Ф15.9	Ф15,9	Ф15.9	Ф15.9	Ф15.9	01905	Ф22.2	Ф25.4	Ф25,4	Ф28.6	Ф28,6	Ф28.6	Ф31.8
	Conne	ction metho	d							Br	azing Ci	onnectio	n						
Outline	SS	EXV box	C079700 5	203×3	26×85	203	×326	<85	203	× 326	< 85		203	× 326	< 85		246	× 500 ×	120
dimensia (W×D×		Cantrol box	mm	334×2	84×111	334	× 284 ×	111	334	× 284 ×	111		334	× 284 ×	111		334	× 284 ×	:111
		n(W×D×H)	mm	539×4	61×247	539	×461×	247	539	× 461 ×	247		539	× 461 ×	247		759	× 645 ×	180
Net weig	ht	30	kg	10	0.0		10.5			10.5				10.5				13.0	
Gross we	eight.		kg	1;	3.0	E	13.5			13.5				13,5				17.5	
7 00 000		40 GP	unit	9	90	3	990			990		Y.		990				702	
Loading		40° HP	unit	- 11	00		1100			1100				1100				756	

	м	odel		GMV-N560U/C-T +GMV-N140U/C-T	GMV-N560U/C-T +GMV-N280U/C-T		560U/C-T 1560U/C-T	GMV-N560U/C-T +GMV-N560U/C-T +GMV-N140U/C-T	GMV-N560U/C-T +GMV-N560U/C-T +GMV-N280U/C-T	GMV-N5 +GMV-N +GMV-N	560U/C-T
		Capacity		840+:40	840+280	840+560	840+840	840+840+140	840+840+280	840+840+500	840+840+840
Defaulted of ex-facto		Cooling	KW	98,0	112.0	140.0	168,0	182.0	196.0	224.0	252.0
		Heating	KW	1105	126.0	157.5	189.0	204.5	220.5	262.0	283.5
Power Inp	ut		W	8+8	8+8	8	F B	8+9+8	8+8+8	8+8	3+8
Power sup	pply		WPIVHz			220	240V~ 50	Hz & 208-230V~ 60I	-lz		
Size of	Air	Liquid pipe	mm	Ф 19.05	Φ19.05	Ф19.05	Ф 19.05	Ф19.05	Ф22.2	Φ22,2	Ф22.2
connection pine	unit	Gas pipe	1000	Ф38.1	Ф38.1	Φ41.3	Φ41.3	Ф41,3	Φ44.5	Ф 44.5	Ф44.5
Digae	Connec	tion method					Brazin	ng Connection			
Outline din	nension	EXV box	mm	246 × 500 × 120 +203 × 326 × 85	246 × 500 × 120 +203 × 326 × 85	(246×50)	)×120)×2	(246 × 500 × 120) × 2 +203 × 326 × 85	(246 × 500 × 120) × 2 +203 × 326 × 85	(246 × 500	×120)×3
(W×D×F	1	Controlbox	SHILL	(334×284×111)×2	(334×284×111)×2	(334 × 284	4×111)×2	(334×284×111)×3	(334×284×111)×3	(334 × 284	×111)×3
Package di	lmension(\	N×D×H)	mm	759 × 645 × 180+ 539 × 461 × 247	759×645×180+ 539×461×247	(759×645	5×180)×2	(759×645×180)×2 +539×461×247	(750 × 645 × 180) × 2 +539 × 461 × 247	(759 × 645	×180)×3
Not weigh	t		kg	13.0+10.5	13.0+10.5	13.0	+13,0	13,0+13,0+10.5	13,0+13.0+10,5	13,0+13	1.0+10.5
Grass wel	ght		ka	17.5+13.5	17.5+13.5	17.5	F17.5	17.5+17.5+13.5	17.5+17.5+13.5	17.5+17	.5+17.5

## Fresh Air Processing Indoor Unit

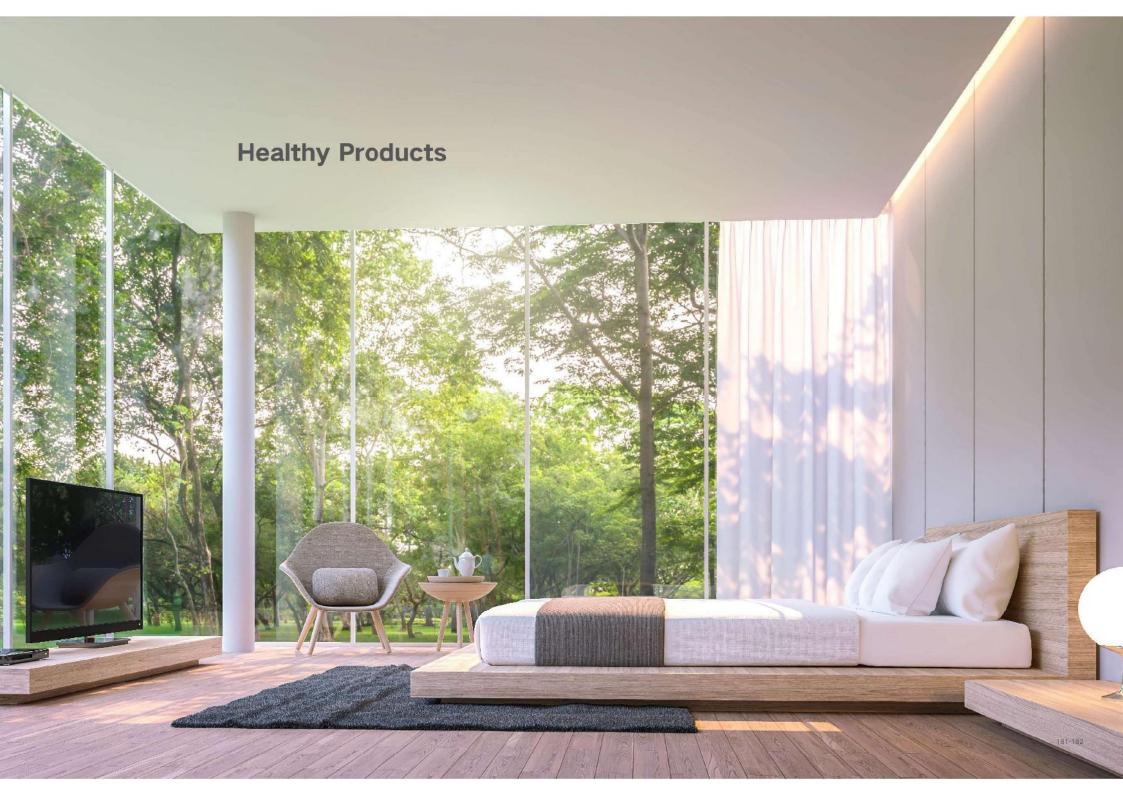
1	Model		GMV-NDX125P/ A-T	GMV-NDX140P/ A-T	GMV-NDX224P/ A-T	GMV-NDX250P/ A-T	GMV-NDX280P/ A-T	GMV-NX450P/ A(X4.0)-M
	Cooling"	kW	12.5	14.0	22,4	25.0	28.0	45.0
Capacity	Heating <sup>12</sup>	KW	85	10.0	16.0	18.0	20.0	32.0
	Heating*3	kW	10.5	12.0	20.0	20.0	22.0	35.0
Power supply		V/Ph/Hz		220-240	V~ 50Hz & 208-230	V~ 60Hz	19	380-415V 3N~50Hz
Power consumpt	ion*6	W	200/350	200/350	400/760	520/860	520/860	1240
ESP'6	-	Pa	150/50~200	150/50~200	200/50 ~ 300	200/50 ~ 330	200/50 - 300	200
Airflow volume (Default/Range) <sup>re</sup>	ř.	m³/h	1200/1000~2000	1200/1000~2000	2000/1500~3000	2500/2000~3500	2500/2000~3500	4000
Rated current <sup>"</sup>	Cooling	A	1.5'2.0	1,5/2,0	2.5/4.3	3,1/4,9	3.1/4.9	3.4
sated current	Heating	A	1.5'2.0	1.5/2.0	2.5/4.3	3.1/4.9	3.1/4.9	3.4
Sound pressure I (Default/Range)**		dB(A)	46/40~50	46/40~50	45/45~54	47/47~54	47/47~54	58
C	Liquid	mm	Φ8.52	Ф9.52	Ф9.52	Ф9.52	Φ9.52	Ф12,7
Connecting pipe	Gas	mm	Ф15.9	Ф15.9	Ф19.05	Ф22.2	Ф22.2	Ф28.6
Drain pipe	External dia.	mm	Ф25	Ф25	Ф25	Ф25	Ф25	Ф33
	Thickness	mm	25	2.5	2.0	2,0	2.0	3,0
Dimension	Outline	mm	1400 × 700 × 300	1400 × 700 × 300	1483×791×385	1483×791×385	1483×791×385	1700x1100x650
(W×D×H)	Package	mm	1601 × 81.3 × 365	1601 × 813 × 365	1578×883×472	1578×883×472	1578 × 883 × 472	1893x1463x838
Net weight/Gross	weight	kg	54/61	54/61	82/104	82/104	82/104	208/266
	40 GP	unit	84	84	52	52	52	16
Loading quantity	40' HQ	unit	98	98	65	65	85	16

- Note:

  1. Raten cooling capacity test conditions: indoor 35°C DB/28°C WB, outdoor 35°C DB.

  2. Rater frieding capacity test conditions indoor 7°C DB, cordoor 7°C DB/26°C WB.

  3. Rater frieding capacity test conditions indoor 7°C DB, cordoor 7°C DB, cordo





This series are fresh air units with evaporators, which means they have total heal exchangers and evaporators. When it's used with outdoor units, it can deliver fresh air without increasing the indoor load. They have multiple operation modes and are widely applicable.













Weekly timer



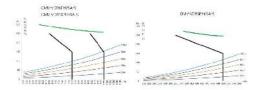
Child lock

....

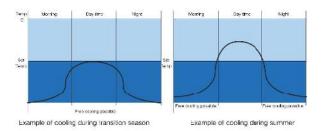
» High-efficiency HR module: They are built with heat exchange chips for efficient energy recovery on the air discharge side. When they are in use, other air conditioning equipment will consume less power.

Constant air volume: Units adopt constant air volume control technology so that they can maintain constant air volume within a specific range of pipeline resistance.

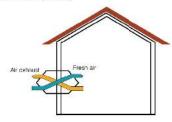




**)** Free cooling: When outdoor temperature is lower than the set temperature, units can automatically introduce the fresh outdoor air to make the room cooler. In transition season, free cooling can always be valid; under large temperature difference of day and night in summer, the free cooling mode can also be activated to cool down the indoor temperature.



» Multiple air supply modes: Positive pressure air supply: Different air flow volume can be set for the fresh air side and air discharge side to keep the indoor side under minor positive pressure, which will help guarantee room cleanness; Negative pressure air supply: Different air flow volume can be set for the fresh air side and air discharge side to keep the indoor side under minor negative pressure, which will help prevent leakage of indoor pollutants. Balanced air supply: The fresh air side and air discharge side can be set with the same air flow volume (default).



#### » Multiple operation modes:

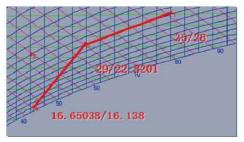
Total heat exchange mode: here is heat exchange at the fresh air side and air discharge side for efficiency energy recovery. By-pass mode: Ventilation without heat exchange. Air discharge mode: Only air discharge side is turned on for ventilation.



» Linked control: Units can be connected to other indoor units in the same CAN and HBS networks for linked control.



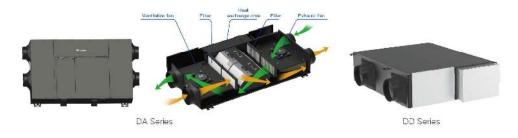
Cooling and heating functions: With fan colls, they have cooling and heating functions like common air conditioners. For example: Under the condition of 35°C(RH60%) for outdoor temperature, 27°C(RH50%) for indoor temperature and 73% of heat exchanger efficiency, when the fresh air passes through the core heat exchanger, and it reaches about 29°C, and then the fresh air is further cooled down and dehumidified by the evaporator, so that the fresh air reaches the appropriate temperature before entering the room.



		Madel		GMV-VDR5PH/SA-S	GMV-VDR8PH/SA-S	GMV-VDR1CPH/SA-S
flated v	otage		V		220-240	
Rated h	lated frequency		Hz		50/6C	
Cooling	capacity		KW.	8.5	12.0	14.5
Heating	capacity		kW	4.0	10.6	12.0
Power in	iput		kW	0.27	0.44	0.64
Current	input		A	1.65	2.73	3.86
	Airtiew volume		CFM	294	471	589
	24(110)W XG	ume	m²/h	500	800	1000
	ESP	Rated	ρa	150	150	150
Indoor	Thermal e	rchange efficiency	95	73	74	73
unit	Sound pay	wer level	cB	55	59	62
	Dimension		mm	1700 × 880 × 340	1800 × 1185 × 390	1800 × 1185 × 390
	(W×D×H	Package	ner:	1998 × 1138 × 535	2110 × 1440 × 557	2° 10 × 1440 × 567
	Net weigh	t/Gross weight	kg	120/175	158/225	158/225
/entiduct Outer dameter		mm	200	250	250	
Loading quantity 20°CP/40°GP/40°HQ		20°CP/40°GP/40°HQ	unit	20/44/44	16/32/32	16/32/32
Standan	d wired contr	clier		200000000000000000000000000000000000000	XE70-33/H	

#### **ERV**

ERV unit is an air terminal that can purify fresh outdoor air and exchange energy with indoor exhaust air. The unit consists of filters, heat exchangers and fan motors. The fresh outdoor air will pass through the filter and then exchange energy with the exhaust air in the total heat exchanger before entering the room. Through pre-cooling/pre-heating of the outdoor air, it can effectively reduce the fresh air load and achieve ventilation, air filtration and energy conservation.



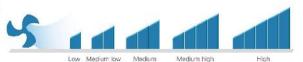
#### Ultra-thin Body, Convenient Maintenance

The unit is 220mm/240mm thick, which makes it easier to be installed into a narrow ceiling space; the lower service access port is convenient for maintenance.



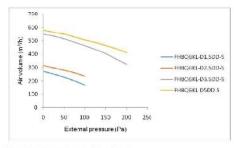
#### Multi-step Air Volume Control

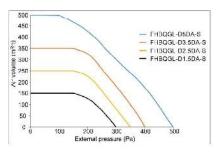
The unit has five step air speed for adjustment to meet the fresh air require ments of different houses and different piping sizes.



#### Constant Air Volume Control Technology\*

The unit adopts brushless DC motor stepless speed regulation and constant air volume control technology. Within a certain range of external static pressure, the unit judges through independent operation to keep the fresh air volume output constant.





\*Note: This feature is only fit for DA series.

#### Efficient Filtration\*

There are 2 layers of filters at the front of the core in fresh air side—[Pre-filter+HEPA/grade H13 filter material)] 2-in-1 filter, which can effectively filter the outdoor air and filter efficiency is up to 99%.



The user can install the efficient reinforced filter [Activated carbon filter+efficient filter] at fresh air outlet side. One pass purification efficiency for PM2.5 is up to 99.9%.



"Note: This feature is only fit for DD series.

#### Multiple Control Methods

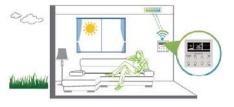
The unit can realize linkage control with multi VRF indoor unit (Connection with the multi VRF system is required).

#### ) Manual Control

By using the standard wired controller, users can manually control the start and stop of the fresh air unit.

#### ) Linkage Control

After connecting the fresh air unit to Gree multi VRF indoor unit through communication wire, set the wired controller of fresh air unit to linkage control mode. When the multi VRF air conditioning system is turned on, the fresh air unit automatically turns on to purify the indoor air; when the multi VRF air conditioning system is turned off, the fresh air unit automatically turns off, worry-free and energy-saving.





185 186

#### Two-way Flow Heat Recovery

The unit brings outdoor fresh air into the room, and at the same time exhausts the indoor dirty air. The fresh air flow and the exhaust air flow conduct counter flow heat exchange inside the total heat exchanger to efficiently recover the exhaust energy, roduce the fresh air load, and save energy.



#### DA Series

Mode			FHBQGL-D1.5DA-S	FHBQGL-D2.5DA-S	FHBQGL-D3.5DA+S	FHBQGL-D5DA-S
Air flow volume		m²/h	150	250	350	500
ESP		Pa		100	100	100
Temperature exchange efficiency		%	78	75	65	75
Power supply		V/Ph/Hz	220-249 /1/ 50/60	220-240 /17 50/60	220-240 /1/ 50/60	220-240 /1/ 50/60
Power nput		KW	0.05	0.1	0.15	0.3
Sound power level		dB	39	44	49	55
Name and Adv. Proc. 8	Outline	mm	1160 × 700 × 220	1160 × 700 × 220	1200×785×240	1385×785×240
Dimension (W × D × H) Package		10000	1468 × 873 × 285	1468 × 873 × 285	1528×973×305	1711 × 973 × 305
Net weight/Cross weigh	t)	KG.	50/58.5	50/58.5	60/70.9	71.5/82.5
Loading quantity	20° GP/40° GP/40° HO	unit	82/172/195	82/172/195	57/121/140	54/117/131

Note: The apove products don't have EURCVENT certification and can't be sold to the EU markets.

	Made		FHBQGI -D1.5DA-T	FHBQGL-D2.50A-T	EHRQGI-D3.5DA-T	F-IRQGI-D3DA-T
Air flow volume		m³/h	150	250	350	500
ESP		Pa	100	100	100	100
Temperature exchange efficiency		%	80	75	76	73
Power supply		W/Fh/Hz	209-236/1/60 220-246/1/50	208-220/1/60 220-240/1/60	298-226/1/60 220-240/1/60	208-23071/60 220-240/1/90
Power nput		kW	0.050	0.105	0.155	0.25C
Sound power level		dB	43	50	tro	57
The Control of the Point	Outline	men	1160×700×220	1160×700×220	1200×795×240	1385×785×240
Dimension (W×D×H)	Package	mm	1468 × 873 × 285	1458 × 873 × 285	1928 × 973 × 305	17:1×9/3×305
Net weight/Gross weigh	t	KG	50/58.5	50/58.5	60/70,5	71.5/82.5
Loading quantity	40/ GP/46°HQ	unit	172/195	172/195	121/140	117/131
SFC class		100	Λ.	В		%-

#### **DD** Series

	Viodel		FHBQGKD1.5DD-S	FHEQGKL-D2,5DD-S	FITBQGKL-D3.5DD-5	FHBOGKL-D5DD-S
Air flow volume		cr8/h	150	250	350	500
ESP		Pa	100	100	° 00	100
Enthalpy exchange	Heating	%	71	65	60	60
ethiciency	Cooling	%	55	55	55	56
Power supply		V/Ph/Hz	220-240 /1/ 50/60	220-240 /1/ 50/60	220-240 /1/ 50/60	220-240 /1/ 50/60
Power input		2W	0.006	0.195	0.180	0.360
Sound pressure level		dB(A)	33	37	38	44
Dimension (W×D×H)	Cutine	mm	660×850×220	660 × 850 × 220	900 × 920 × 240	900×920×240
ornerson (va ~ D ~ H)	Package	mm	1045 × 893 × 255	1045 × 893 × 265	1045×893×285	1045×893×285
Not weight/Gross weigh	t	kg	34/41	34/41	48/59	48/59
loading quantity	20" GP/40" GF	9/40' HQunit	96/208/234	98/208/234	72/160/160	72/160/180

Note. The above products can only be sold to the areas without certification requirements.

### **VRF** Accessories

#### Fresh Air Intake Kit

- It can effectively bring in 8%~10% fresh outdoor air.
- All-foam design, light and durable, used with 360 air discharge cassette type indoor unit, simple and convenient to install; double air inlets, using pressure difference principle, can automatically introduce fresh air without a motor, improving indoor unit air quality.



	Moda		XF150A-T	
Fresh air Intake	volume	%	10	
Dimension	Outline	mn:	834 × 834 × 60	
$(W \times D \times H)$	Package	ne	873 × 873 × 180	
Dimension of the connection mm		mm	150	
		Pcs	2	
Net weight/Gross weight		kg	2,2/7,7	

Note: This unit should be used with 360. Air Discharge Cassette Indoor Unit.

#### High-efficiency Filter

- The high-efficiency filter can effectively remove PM2.5. One pass purification efficiency≥90%
- Small air resistance and less volume attenuation.
- With 5 disassembly directions for convenient replacement and installation.

Filter mode	Applicable for the following high static pressure duct type IDU
FKH01A(H;-T	GMV-N D22 = 50PHS/B-T GMV-N D22 = 50PHS/D-T
FKH02A( II-T	GMV-ND56 - 90PHS/B-T GMV-ND56 - 90PHS/D-T
FKHG3A(HI=T	GMV-ND90 ~ 180PH\$/B-T GMV-ND90 ~ 180PH\$/D-T



187 188



# Controller Function Lineup

Function	Cassic wh	ed controller	controller		antro ler	Remote Signal Receiving Panel	Linkage Controller
	XE7A 24/11	XE7A 24/LIC	XE70 33/11	YAPTE	YAP1F7	JS13	L160 24/11
Dimensione (mm)	112×112	119×119	1132 × 112	1	7	HE = RE	96 × 63
Display	Positive segment LCD	Positive segment LCD	Matrix LCD	Positive segment LCD	Positive segment LCD	LED	LED
Backight	V	V	V	×	*	E.	F:
One controller for multiple							
units / group control (One controller controls 16 IDUs at most)	<b>V</b>	✓	V	×	×	V	V
One unit with not only one controlor / subsidiary controlor (one IDU can be controlled by two wired controlers)	V	√	V	×	x	JI can operate with the master wired controller as an auxiliary device)	(I can operate with the master wired controller as an auxiliary device;
Mode.	√ (auto, cacing, drying, fan only, heating, floor heating, 3D heating, space heating)	√ (auto, cooling, drying, fan only, neating, floor heating, 3D heating, space heating)	√ (auto, cooling, drying, fan only, heating, ficor heating, 3D heating, space heating)	√ (auto, cooling drying, fan only, heating)	√ ( auto, cucling, drying, fan only, heating)	×	×
Fan speed	√ (7 speeds: auto, low, medium-low, medium, medum-high, high, turbo;	√ (7 speeds: ac.o, low, medium-low, macium, medium-high, high, turbo)	√ (7 speeds: auto, low, medium-low, medium, medium high, high, turbo)	√ (7 speeds: aulo, cw. medium-low. medium, medium-high, high, turce)	√ (7 speeds: au.o, ow. medum-low. medum-high, high, urac)	×	×
Gock display and setting	V	√	V	V	V	ж	×
Countdown timer	V	V	V	×	×	×	×
Clock times	V	V	V	✓	V	×	8
Weakly timer	×	*	v	×	×	×	×
Child lock (buttons lock)	V	V	v/	V	V	×	×
Up&Down swing	V	V	V	V	V	×	×
Left&Right swing	ý	Ý	v	V	Ý	×	×
Seep	Ý	V	V	V	- V	×	×:
Filter cleaning indication	- V	V	Ý	×	v	*	×
Save	v	v	v	×	×	×	×
X-Fan	v	v	v	V	V	×	×
Que	Ý	v v	Ž	×	Ý	2	×
Absence (3°C heating)	Ý	ý	Ý	V	Ÿ	×	×
Low temperature drying	ž	- V	Ž.	*	Ÿ	*	*
Access delection	×	×	×	×	×	×	-/
Unit parameters query	V	V	- V	×	*	×	×
Unit parameters setting	- V	v	v	ж	×	я	×
Error cisplay	Ž	V	V	26	*	V	*
Remote signal	v	v	v	×	×	Ž	- V
Power-off recovery (default to be effective for overseas models and ineffective for damestic models)	✓	<b>V</b>	<b>V</b>	×	×	<b>√</b>	V
Indoor temperature query	V	V	V	×	×	×	×
I Feel	×	*	7	V	V	36	)r
Set back	V	V	*	×	*	×	×
Independent swing for cassette units	×	*	√	*	*	×	*
APP control	×	√	*	я	×	<b>8</b> 6	ж
Temperature control with a precision of 0.5 C	V	~	×	*	×	×	×

Note: √ means available; × means not available; / means not applicable

### **Controller Function Lineup**

Function	Centralized controller CE52-24/F(C)	E-Smart zone controller DE54-24/F(C)
Maximum number of controllable indoor units	253	32
Maximum number of controllable systems	16	16
Screen size	7 irch	4,3 inch
Screen recolution	1280 4 600	486 × 272
Touch mode	Capacitor touch	Capacitor touch
Power supply	100-240V AC	100-24CV AC
Dimensions (WxHxD) (mm)	185×128×11	128 × 86 × 11
On/Off setting	V	V
Mode setting	√	√
Temperature setting	✓	✓
Fan speed setting	7 fan speeds	7 fan speeds
Swing setting	√	✓
Shield setting	V	√
Ambient temperature display	✓	√
"C/"F display	✓	✓
DST	√	
Dicck display	√	√
Authority management	√	✓
Group management	V	√
Schedule management	√	V
Special schedule	V	*
Emergency stop	∨	×
Parameter que y	×.	V
Engineering setting	√	V
From records	√	√
IDU sort	✓	*
Name and icon setting	√	V
Run lime	√	×
Data export	Support TF card export	W.
Language	Englist     Simplified Chinese     Traditional Chinese     Traditional Chinese     Spanist     Spanist     French     Put ingueses	English     Simplified Chinese     Traditional Chinese     German
Applicable units	Air conditioner Water heating units F cor heating units Fresh air units	Air conditioner

Note:  $\checkmark$  means available:  $\times$  means not available;  $\prime$  means not applicable

#### Controllers.

#### Controller YAP1F

- · Can be switched in auto, cooling, dry, fan and heating modes;
- · Besides turbo mode, 6 fan speeds can be set;
- . Up & down swing and left & right swing;
- · Available functions: child lock, drying, health, turbo, sleep, light, absence, I-feel and timer;
- Clock display and indoor/outdoor ambient temperature viewing functions:
- I-feel function can be set for the unit. When I-feel is turned on, the unit can monitor the temperature at the location of user (around the remote controller) at real time to adjust indoor temperature for improving the comfort.

#### Remote controller YAP1F7

- · Switch among auto, cooling, dry, fan and heating modes;
- · Except turbo fan, six fan speeds can be adjusted;
- Set up&down swing and left&right swing;
- With child lock, X-fan, health, turbo, sleep, light, absence, I-FEEL, clock timer and auto clean functions:
- . With clock time display and indoor/outdoor ambient temperature check functions:
- Set temperature is adjustable under auto mode (set temperature under auto mode of multi VRF unit is fixed and can't be adjusted by the remote controller)



5 un 4



- · Large screen, moisture-proof flat base structure, simple design for flexible installation;
- . With LCD backlight display and touch buttons;
- . Clock can be displayed and set, with 24h timer ON/OFF function (countdown and clock timer);
- 7 fan speeds, up & down swing and left & right swing;
- . Working modes include auto, cooling dry, fan, heating floor Heating, 3D heating and space heating;
- Functions include sleep, quiet/auto quiet, energy-saving, x-fan, low-temperature dehumidifying absence in heating, filter cleaning reminder, auto cleaning, etc;
- · Engineering parameters can be viewed and set;
- . Hidden infrared remote control receiving device works with the infrared remote controller;
- Set temperature precision down to 0.5°C;
- Up to 2 wired controllers for 16 units, which is more flexible for use; a maximum of 16 indoor units can be controlled simultaneously via one master controller and one slave controller;
- WiFi function and APP remote control after networking, user can control units remotely through an APP in a smart phone.
   (This function is available only in XE7A-24/HC.)

#### Wired Controller XE70-33/H

- · Elegant and concise appearance;
- Touch buttons with back lighting LCD;
- · Detect ambient temperature precisely;
- · Chinese and English display can be switched;
- · With project parameters viewing and setting functions:
- 7 fan speeds, up & down swing and left & right swing;
- . Applicable to multi VRF air conditioner and fresh air unit with evaporator:
- · With service hotline inquiry and after-sales phone number record functions;
- With weekly timer function, multiple weekly timer can be set; under weekly timer function, mode, temperature and fan speed can be preset;
- Master and slave wired controllers can be set; simultaneous control over several IDUs is available; can simultaneously
  control 16 sets of IDUs at most;
- Sleep, quiet/auto quiet, light, energy saving, drying, memory, low-temperature dehumidifying, absence in heating, and
  filter cleaning reminder functions can be set.



Note: Auto clean function is available for some models.

191 192

### Controllers

#### Commissioning Tool CE42-24/F(C) (Debugger)

- . Built-in 4GB storage space:
- 4.3-inch color touch screen LCD:
- · Simulate indoor and outdoor unit;
- · With complete unit debugging function;
- · With indoor unit control and engineering setting function;
- · Outdoor unit program upgrade, indoor unit program upgrade;
- . Communication data can be saved and exported by connecting to PC;
- . With system status viewing, outdoor unit status viewing, indoor unit status viewing function;
- The single interface is compatible with CAN and RS485 communication, which can automatically identify the communication type.

#### Centralized Controller CE52-24/F(C)

- · Elegant and fashionable appearance;
- . Color LCD, fine display and true co or;
- . 7-inch capacitive touch screen for easy operation;
- . Up to 255 units can be centrally controlled:
- . Connectable with network of indoor units or outdoor units:
- Independent power supply in 100~240V wide voltage range:
- Embedded installation in wall with projecting thickness only of 11mm;
- . With project setting, parameter viewing, malfunction record and access management functions;
- Shielding function of single unit, group and all IDUs (shielding on/off, mode, temp setting, etc.), long-distance control at will;
   Provide naming of indoor units, selection of icons and personalized settings of centralized controller (setting background, backlight, etc.);
- With various functions; centralized control (control all Indoor units), group management (support DIY grouping), schedule
  management (setting of several schedules, support special schedule setting such as holiday) and single indoor unit control
  (on/off, mode, temp setting, fan speed, quiet, swing control, etc.).

#### E-Smart Zone Controller CE54-24/F(C)

- · Colorful LCD;
- · Elegant and fashionable appearance;
- . 4.3-inch capacitive touch screen for easy operation;
- Support maximum 32 indoor units, with powerful function:
- . Indoor or outdoor unit network can be connected, simple and flexible;
- . Embedded installation in wall with projecting thickness only of 11mm;
- 100 240V super wide voltage for independent power supply, stable and reliable;
- Support naming for indoor units, and icon selection, realizing individuation management;
- With long-distance shield function (shield on/off, mode, temperature, etc.) for single unit, group and all indoor units;
- With functions of engineering setting, parameters view, malfunction view and authority management, easy for debugging and maintenance;
- 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 functions: ON/OFF, Mode, Temperature, Fan, Swing, etc; advanced functions: Save, Sleep, Absence, Quiet, Turbo, etc.).



09:20

#### Linkage Controller LE60-24/H1

The linkage controller LC60-24/H1 is generally used with wired controllers to control AC units; when needed, it can also be individually connected to control the units. It has the following features:

- Flexibility to be installed in most places indoors, with no impact on indoor decoration;
- Access control detection, with two types of power input: AC 100-240V-50/60Hz or DC 5-24V:
- Dry contact signal detection, with two groups of dry contacts, which can be used to switch on/off indoor units via passive signals such as fire alarm and the opening and closing of windows;
- Up to 2 controllers for 16 units, which is more flexible for use; a maximum of 16 indoor units can be controlled simultaneously via one master controller and one slave controller.



#### Remote Signal Receiving Panel JS13

- · Receive common remote controller functions;
- · Simple appearance and integrated design;
- Precise set temperature control with the precision down to 0.5°C(remote controllers with a temperature control precision of 0.5°Care required);
- Up to 2 controllers for 16 units, which is more flexible for use; a maximum of 16 indoor units can be controlled simultaneously via one master controller and one slave controller;
- Hidden infrared remote control receiving device works with the infrared remote controller.



### **Key Card Interface Modules**

Indoor unit connects access control system through linkage controller LE60-24/H1 to realize unit off by removing the access card or unit on by inserting the access card, which is suitable for occasions such as hotels, where the access control linkage is needed to control the air conditioner.

Moreover, linkage controller LE6C-24/H1 provides two groups of dry contacts, which can be used to switch on/off indoor units via signals such as fire alarm and window closing/opening.

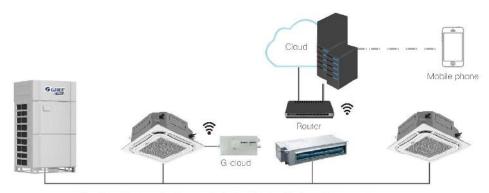
Model	Linkage Controller LE60-24/H1		
Appearance	Funds.  - Prop Carolina  - Prop Carolina		
Wiring diagram	Service and  Service Day metal to the part of the part		
Access control interface	AC100-240V/DC5-24V		
Dry contact interface	2 groups		
Dimensions(H×W×D)(mm)	63×94.5×29		
Power supply	18V DC(supply power by indoor unit.)		
Applicable range	All series of VRF		



### G-cloud

G-cloud is a compact WiFi controller, which connects G-cloud to the corresponding interface of any one of the multi VRF indoor units. Use mobile phone to download the "Gree+" APP; after simple network configuration, the multi VRF air conditioner can be easily controlled by the mobile phone anytime and anywhere. One set of multi VRF system only requires one G-cloud to realize the control of all indoor units under the system via mobile phone.

- Easy control of on-off, mode and temperature.
- · Ventilation, drying, sleep, energy saving functions can be set.
- 10 on/off preset appointments are available, support weekly limer function.
- 8-step fan speed control (quiet, automatic, low, medium and low, medium, medium and high, high, turbo).



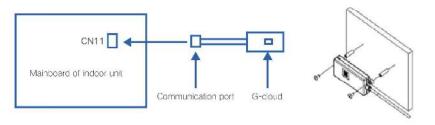
One G-could can realize the control of up to 80 sets of indoor units in a system.

#### > "Gree +" APP Control

The "Gree+" APP of mobile phone can easily control the air conditioner anytime and anywhere. It can be controlled in the house or remotely when going out. You are no longer worried about where to find the remote controller or forgetting to turn off the air conditioner when you go out.

#### > Small Size and Convenient Installation

G-cloud is small in size and flexible in installation. You can connect the G-cloud to the CAN interface of any indoor unit in the multi VRF system (it is recommended to be close to the router) and fix it.



#### **VRF Selector Ultimate**

A model selection system is a necessary tool for the sales of the VRF system in the overseas market. In order to meet the demand of the overseas market for the model selection system, the competitive strength of Gree products in the overseas market has been improved. Gree provides clients with intelligent, fast and multivariate model selection systems.

#### Intelligent Model Selection

- 1) The system will take multiple aspects into consideration to provide clients with the optimal plan by combining performance, noise, comfort, reliability, cost, etc.
- 2) It can calculate according to user demand, ambient temperature, using location, static pressure, etc. to recommend the suitable IDU, ODU and pipe arrangement. It will check by combining the collocation rate, pipe arrangement, etc. of the whole system, and automatically adjust the unit model to get the optimal model selection plan.
- 3) Using habit and using standard differ in different regions. The intelligent model selection system will conduct a special process according to metric/inch system, unit parameters, different language systems in different regions.
- 4) It will conduct automatic checking for the whole system. If anyone of the conditions cannot satisfy the user demand, the software will automatically calculate to find a suitable unit and pipe arrangement.



#### Fast Model Selection

The software can provide users with audio-visual model building experience via a visible modeling method. Through the intelligent fast connection, multiple parts of VRF can be correctly and fast linked, which can greatly improve the modeling efficiency.





#### Multivariate Model Selection

The mode selection system wll launch multiple model selection terminal applications around the core of model selection parameter data according to different user groups. The model selection data can achieve data resource sharing on the basis of a cloud server, which can provide different terminal users with standard and professional model selection service.

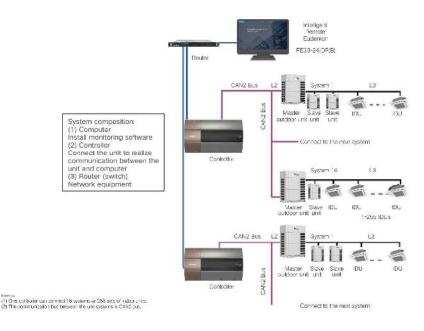


### Intelligent Remote Eudemon

Intelligent Remote Eudemon provides intelligent operation and maintenance services based on the cloud platform, meeting the demands of integrated monitoring of equipment in multiple locations.



Intelligent Remote Eudemon adopts world-leading CAN+ multi VRF unit's communication technology and combines with distributed processing methods to ensure that the system has the characteristics of high availability, easy expansion, and easy networking, and can meet the air conditioning monitoring requirements in multiple scenes.



197 198

#### Intelligent Assistant

#### One-stop Debugging

Support automatic one-stop debugging methods such as one-button debugging and code scanning debugging to achieve automatic synchronization matching, reduce debugging difficulty, and improve efficiency and accuracy.



#### Intelligent Physical Examination

The equipment status can be understood directly and the user can control the health of the unit by themselves.



#### Intelligent Control

#### Smart Scenes

The user can preset a set of parameters according to the needs of life and work (similar to the scene mode of a mobile phone), and then the user can enable and switch with one key, without setting parameters one by one.



#### Soft Start

Delay start of equipment in batches to avoid the impact to the grid in centralized control.



#### Temperature Field

Realize stepped temperature field, gradually adjust the temperature area, prevent sudden cooling or heating, and stay away from air conditioning sickness.



#### Smart Operation and Maintenance

#### VIP Exclusive Service

Independent VIP group professional customized service to avoid misoperation and provide a more comfortable environment for the VIP.



#### Schedule Management

Set schedules for different regions and different equipment, execute preset commands automatically, and reduce waste of time caused by repeated operations.



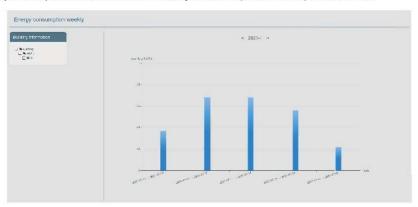
#### Green Assistant

Perform statistical analysis on the operating time, set temperature, and indoor temperature, and acquire the actual running status of the equipment in time.



#### Weekly Energy Consumption Report

Electricity statistics are carried out on a weekly and monthly basis. The background color is used to reflect the electricity consumption, and the user can accurately control the power consumption of the unit.



#### Intelligent Billing

Intelligent Billing is a solution to power consumption calculation and billing specialized for VRF units. This system adopts Gree's unique calculation method that makes the billing more reasonable. In design, it's tailored to the features of engineering construction, making the installation less difficult. It can be widely applied in shopping centers, apartment blocks, villa clusters or other commercial or residential occasions in different sizes and for different purposes.



#### **Billing Management**

Properly distribute the electricity automatically according to ON/OFF time, mode, set temperature, indoor ambient temperature, outdoor ambient temperature etc.; provide detailed bill operational details, etc.

#### Flexible Bill Export

Provide a variety of bill export modes to achieve free choices and convenient management of bill cycle, distribution mode and bill type.

Room		eC1 2018/08/01 2016/08/31				
Time						
No.	Equipment	Operation/KWH	Standby/KWH	Subtota		
1	IDU 1	12.5	C.55	13,05		
2	IDU 2	11.6	G21	11,81		
3	IDU 3	19,2	C.36	13.56		
Teta	177.7			38.4		

#### Compatible to Different Electric Meters

No.	Manufacturer	Electric Meter Model	Country of Origin	Satisfactory Regions (Reference
1	ENIES	EPR-04S-98	Turkey	Turkey, Middle East
2	WattNoce	WNC-30-240-MB	America	North America, Latin America
3	Siemens	PAC3200	Germany	Russia, Europe, Asia Pacific
4	Schnolder	IEM3253	France	Australia, Europe
5	Wasion	DTS343	China	China.

### **Building Protocol Gateway**

#### Modbus Gateway

Name	Model	Key Parameters	Application	Photo
VRF Fratocol Gateway	ME30-24/D1(BM)	Capacity: 255 sets of indoor unit within 16 systems) Protocol: Modbus RTU , Modbus TCP	It is generally used in large buildings such as office buildings, commercial streets, hospitals, and rall transis to connect to BAS to exhibite centralized management of air conditioner	** E
Modbus Gateway ( Mini )	ME30-24/E6(M)	Capacity: 128 sq.s of indoor units (within 16 systems) Expansion port: No Protocol: Modbus RTU	It is generally used for small and medium-sized projects such as villas and apartment buildings. It is used for docking with BAS systems or smart home systems. Since there is no I/O mediate, the capacity is small, and it is a low cost solution.	GREE EUDEMON
H2M Gatoway	MF31-33/EH1(M)	Capacity: 1-16 sets of indoor units Expansion port: No Protocol: Modbus RTU	Generally, it is an intelligent solution for hotel and household environment. The indoor unit directly connects to the controller of the hotel room RCU or the rescential smart forme system.	GREE EUDEMON

#### **BACnet Gateway**

BACnet features high communication efficiency, flexible protocol and convenient debugging. Gree BACnet gateway can realize the conversion of multi VRF unit's CAN protocol data into BACnet protocol data, as a bridge for data exchange between air conditioner and BAS.

Name	Model	Key Parameters	Application	Photo
VRF Protoco Gateway	ME30-24/D* (BM)	Capacity: 255 sets of indeer unit Protocol: BAChet	Mainly used in the docking of medium and arge building automatic control projects.	fr as

201-202

### Intelligent Debugging Software

GMV6 offers intelligent debugging software to 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.



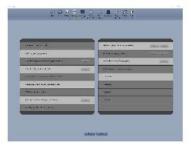
#### Control Functions

- Control the operation of unit as you like;
- Comprehensive control of outdoor unit, indoor unit, water tank, hydro pox, 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 deougging;
- 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 debugging errors; 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.



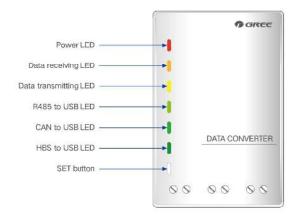


Step 1: Change Database Saving Path

Step 2: Database Save Setting

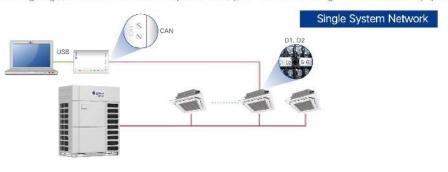
#### USB Data Converter

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

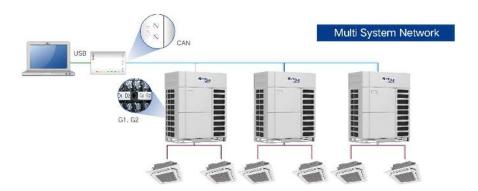


#### Auto Direction of Connection Way

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







## Outdoor Unit Protective Kit Against Snowstorm and Hail

In order to improve the adaptability of the unit in different environments, and ensure normal operation under harsh weather conditions like high winds, snowstorm and hall, the unit can be equipped with the following protective kit, including the air guide assembly at the top and the condenser protective assembly. Models for selection are:

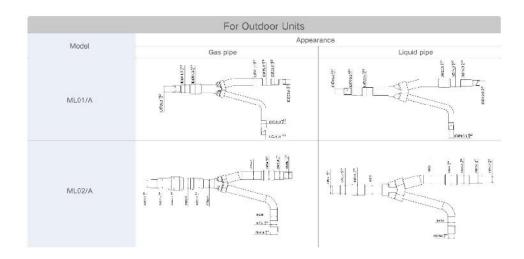


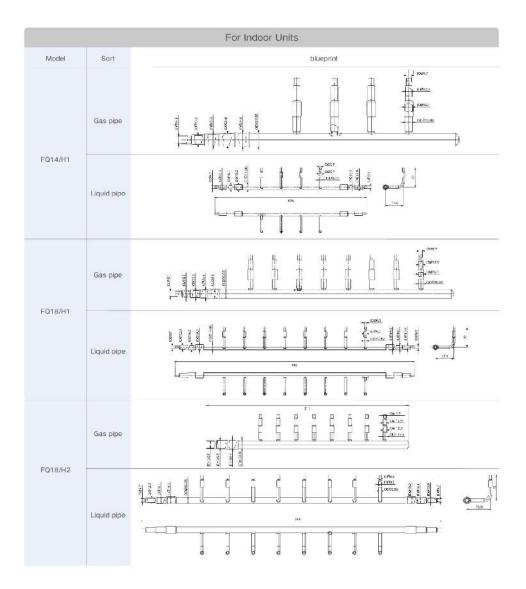
Model	CF898	CF899
Number of parts	4	5
Applicable model	GMV-224~335WM/** GMV-VQ224~335WM/**	GMV-400~680WM/** GMV-VQ400~615WM/**

Note: The protective kit will affect the unit 's performance to some extent depending on the environment. The actual performance of the unit after installation may vary.

# Branching Joint (For GMV6 and GMV X units)

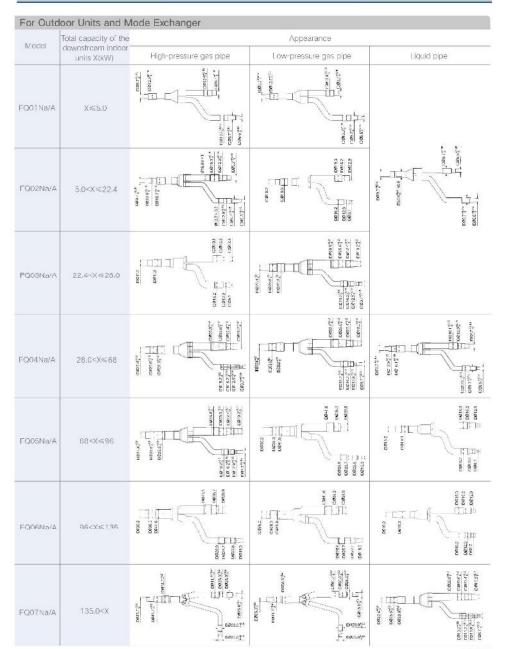
		For Indoor & Outdoor Un	ilts
Model	Total capacity X(kW)	Appeara	ance
WICHEI	X(KVV)	Gas pipe	Liquid pipe
FQ01A/A	X < 20	(a) 2 2 2 2 2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4	2027 202 2027 2027
FQ01B/A	20≤X≤30	(2) \$10.00 (2) \$10.00 (3) \$10.00 (4) \$10.00	(B) 10 (B
FQ02/A	30 < X≤70	CONT.)  CONT.)	2. 200 A CONTROL OF THE ACT OF TH
FQ03/A	70 <x<b>≤136</x<b>	1000   10000	CONT.
FQ04/A	136 < X ≤ 272	10 (10 m)	21.000 21.000 21.000 21.000 21.000
FQ05/A	X > 272	2 mm	2. (1.00)





Total rated capacity of downstream indoor units X(kW)	Gas pipe(mm)	Liquid pipe(mm)	Model of manifold pipe
X≤40.0	≈ψ25.4	≼Φ12.7	EQ14/HT
X≤68.0	≤Φ28.6	≤Ф15.9	FQ18/F1
68.0 < X	≽Φ31.8	≥Φ19.05	FQ18/H2

### Branching Joint (For GMV6 HR units)



209 210

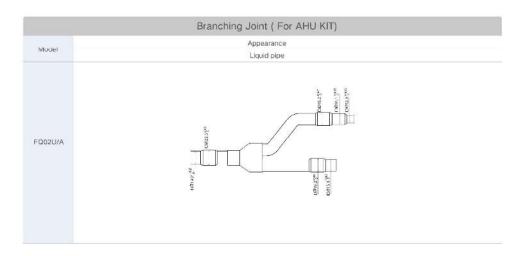
#### For Indoor & Mode Exchanger

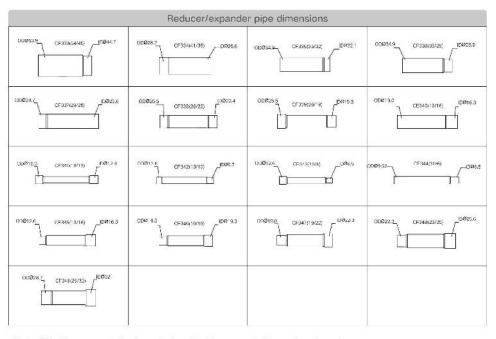
Model	Total capacity of	Appearance		
viduei	the downstream indoor units X(Kw)	Gas pipe	Liquid pipe	
Q01A/A	X≈;16	2,521,903 2,129,903	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
Q01B/A	16 <x≤28.0< td=""><td>000115°</td><td>200 mm/s and many state of the state of the</td></x≤28.0<>	000115°	200 mm/s and many state of the	

#### For Outdoor Units

Module's		Appearance			
wodei	capacity X(kW)	High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe	
ML01R	50.4≪X≪96	Secretary of the secret	COUNTRY'S	Zerson	
ML02R	96 <x< td=""><td></td><td>Conservation of the conservation of the conser</td><td>\$2000   \$2000</td></x<>		Conservation of the conser	\$2000   \$2000	

Model	Capacity of the	Appearance		
hydro box X(kW)	Gas pipe	Liquid pipe		
'Q01D/A	X-30	100 00 00 00 00 00 00 00 00 00 00 00 00	1.5 F001 1.5 F0	





Note: OD side connects the branch pipe; ID side connects the engineering pipe.



A Park Inn

♀ Dammam, Saudi Arabia



▲ La Quinta Inn



▲ Sunwah Pearl

♀ Ho Chi Minh City, Vietnam





▲ Hotel Palace Bellevue



▲ Tzu Chi Hospital

Q Jakarta, Indonesia