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Note:
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High-efficiency and Energy-saving

High-efficiency enthalpy-adding inverter compressor, high-efficiency DC motor and new modular control way are adopted, which greatly improves the operation efficiency of the unit.



High-efficiency and Energy-saving

HPAC High-efficiency Alternate Control

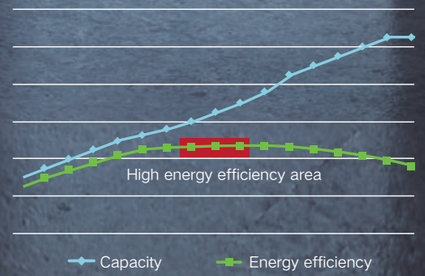
GMV6 adopts high-efficiency alternate control method to intelligently adjust the distributing method according to the demand of indoor load, which has ensured the service life of the integrated module, and improved the overall operating energy efficiency at the same time.

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.



GMV5

GMV6-HPAC control



High-efficiency EVI Compressor



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.

④ 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.

⑤ 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.

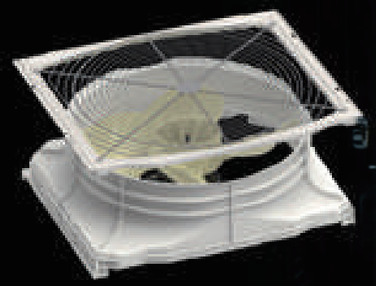
⑦ Positive displacement gear pump

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

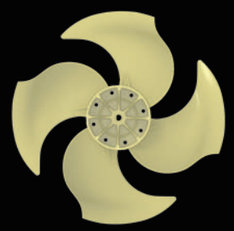
Large Air Volume Low Noise Fan Blade

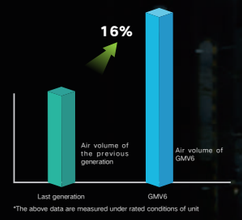
The “Reverse-S shape” tail design can effectively increase the working area of fan blades and greatly improve the air volume. The tail of the blade adopts the aircraft winglet design, which can effectively suppress the tip vortex caused by wing tip pressure difference and reduce noise.

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.

1. The heat exchanger adopts acid-proof and highly anticorrosive black aluminum fins.
   Neutral salt spray time is up to 2000 hours.

2. 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.

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

4. 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].

7. Outer sealing material of the coil adopts stainless steel and electrophoresis*[2].

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

Note:
1. Applicable to GMV6 (GMV-**WM/H1-X) series. For special environments with acid, alkali and salt 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.



Normal operation status

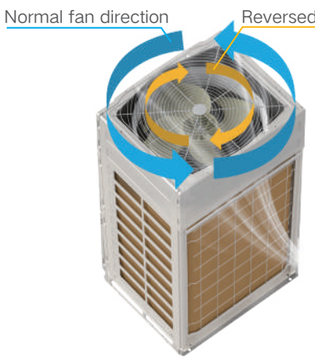


Auto-clean status

*This function should be customized.

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.



Snow Prevention Function

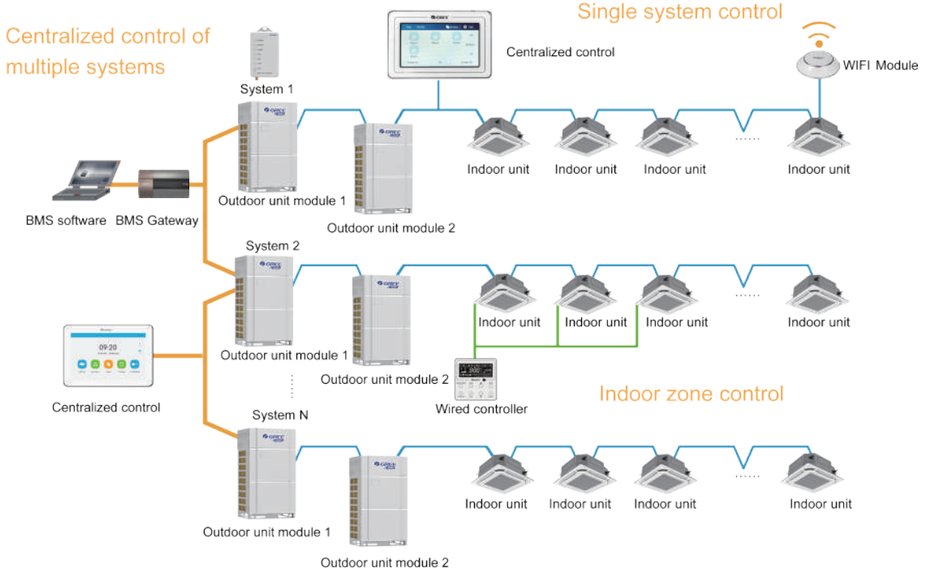
In order to prevent the influence of snow accumulated on the top of the outdoor fan, the unit will automatically turn on the fan to clear the snow and ensure normal operation.

CAN+ Communication Technology



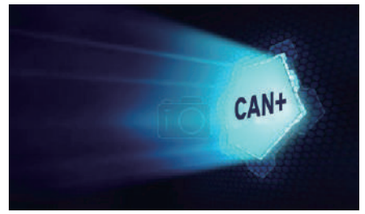
Innovative Stratification CAN+ Structure with Multiple Master Networks

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

New-generation intelligent management and control solution, satisfying various demands of users.

Keycard Wired Controller





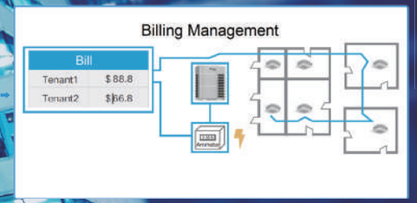
Centralized Controller







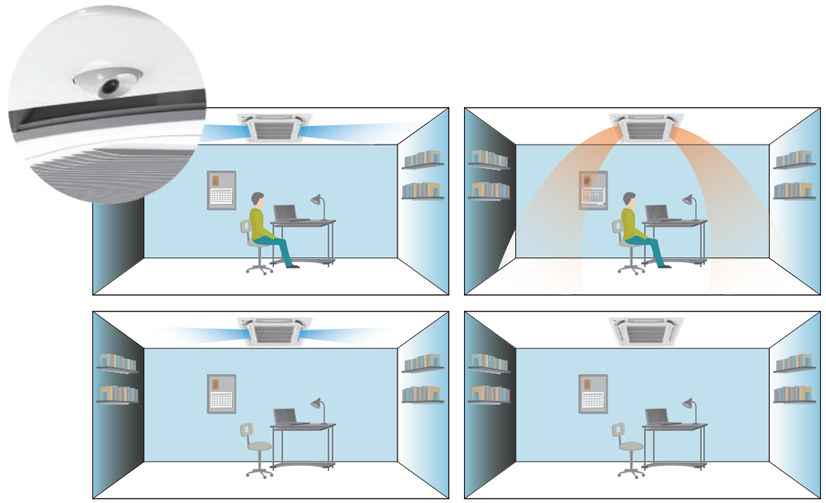




Intelligent Control and Management

Intelligent Sensing Function

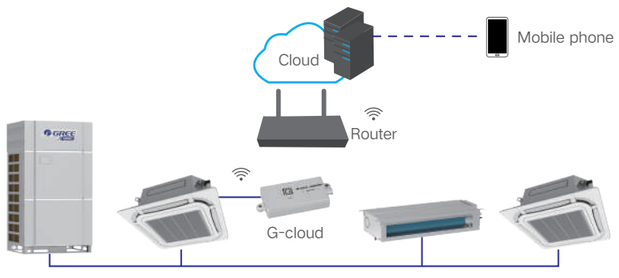
Intelligent sensing function control, 360°panoramic temperature field identification; high precision of temperature field identification, achieving cold air prevention, warm air surrounding; multiple intelligent control, more well-proportioned temperature field, more energy-saving operation.



*This function should be customized.

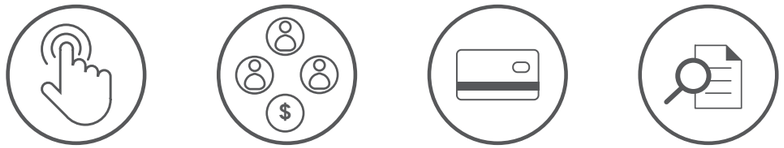
Cloud Control

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 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.



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

GMV6 can be matched with fresh air indoor unit and ERV system. Meanwhile, fresh air accessories, high-efficiency filter and other clean and healthy fresh air solutions are optional, to achieve dual functions of air conditioning and fresh air, and improve the indoor air quality obviously.

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, reduce the initial investment of air conditioning equipment.

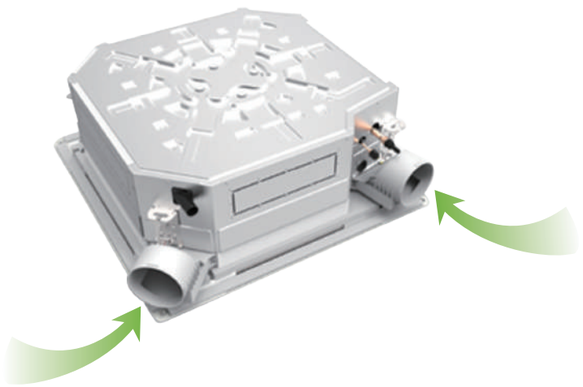
Less operating cost: Adopt DC inverter technology, output of refrigerant can be adjusted according to actual situation, ensuring stable air supply and avoiding small load and large power.

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



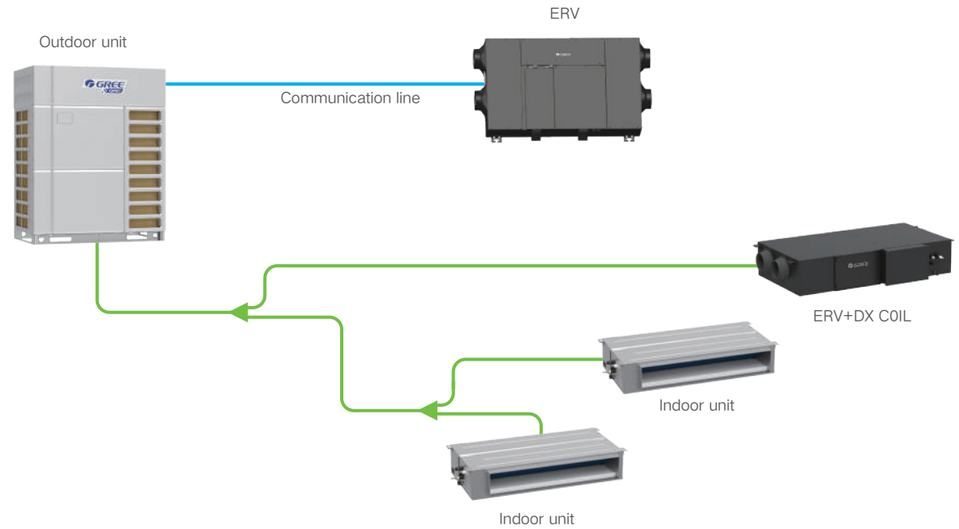
Fresh Air Accessory

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



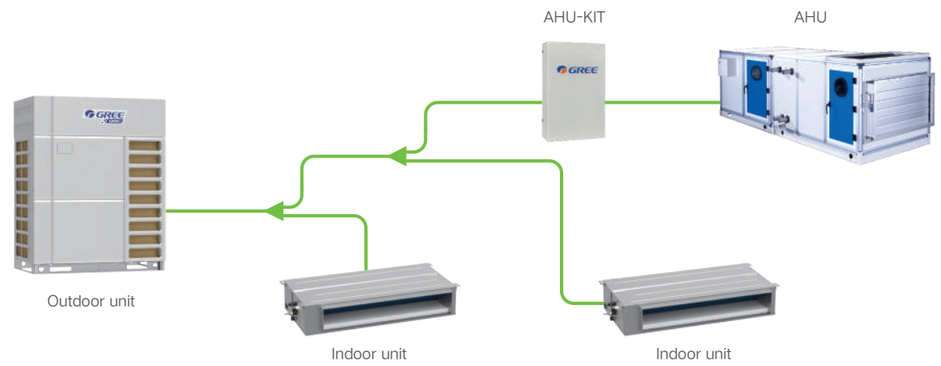
ERV System

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

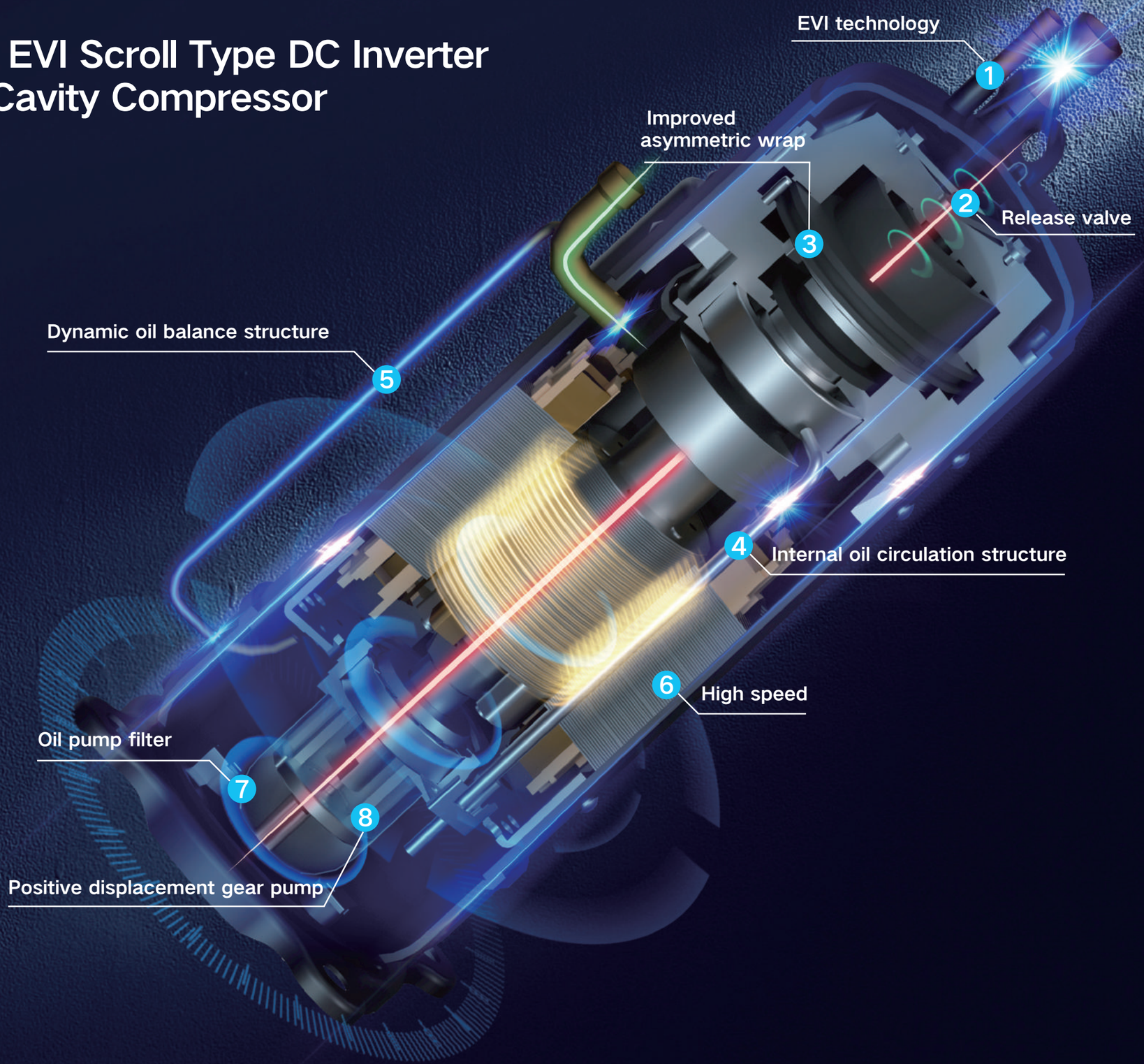


Clean System

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.



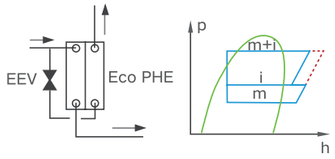
High-efficiency EVI Scroll Type DC Inverter High-pressure Cavity Compressor



High-efficiency Enthalpy Control Technology

High-efficiency Enthalpy Compressor

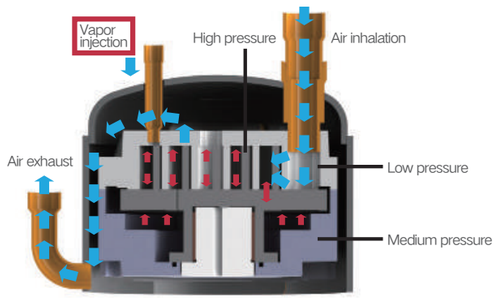
High-efficiency enthalpy compressor is developed according to the features of VRF unit, its 0-420Hz adjusting range can perfectly match with the whole unit, so as to excel the performance to the greatest extent.



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

① EVI Technology

Reinforce system capacity, widen operating range, accelerate heating.



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.

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.

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.

⑥ High speed

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

⑦ Oil pump filter

Filtrate the impurities to ensure the supplied oil is clean.

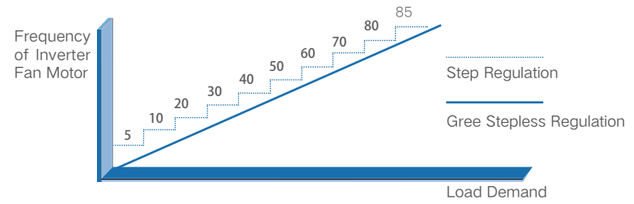
⑧ Positive displacement gear pump

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

Sensorless DC Inverter Fan Motor

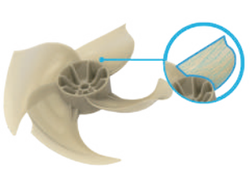
Adopt the DC inverter motor with high back electromotive force to realize stepless speed adjustment within 5~85Hz, the precision is 1Hz, with low operating current, low motor input power, and high efficiency.

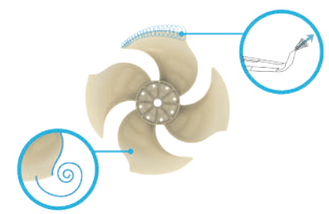


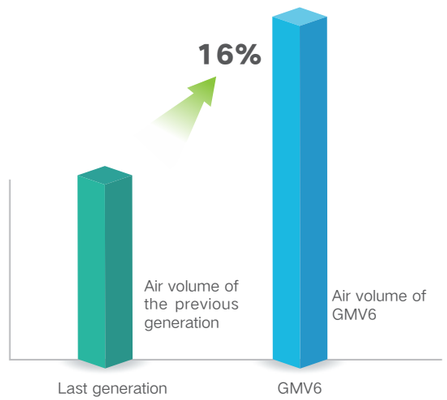


Large Air Volume and Low Noise Air Duct

“Reverse-S shape” tail design, which can effectively increase the working area of fan blade, greatly improve 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.







*China Patent 201820495665.8 Axial Fan Blade and Air Conditioner

*Applicable for some models.

*The above data are measured under rated conditions of unit

High-efficiency Heat Exchanger Design

G-shape Integrated Heat Exchanger



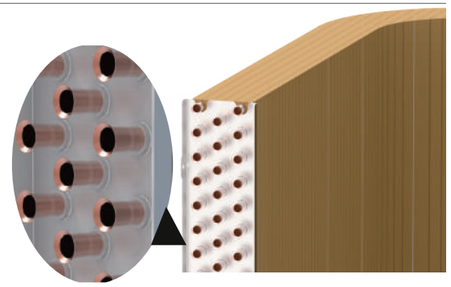
Adopt G shape integrated heat exchanger, one-time processing, improving space utilization efficiency, increasing heat exchanger area, and improving heat exchange efficiency.

*Note: Applicable for some models.

Multi-row Small Diameter Design

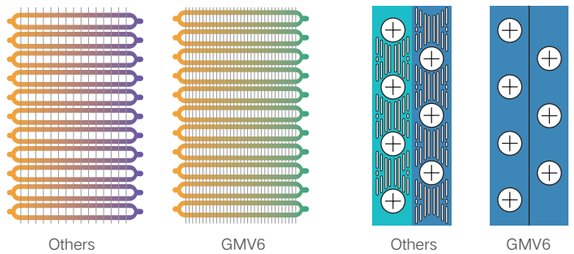
Single pipe of refrigerant pipeline adopts φ7mm and 3-row design, which can reduce the flowing resistance of refrigerant inside the pipe and effectively increase the heat exchange area of refrigerant, so as to optimize and improve the heat exchange efficiency.

*Note: Applicable for some models.



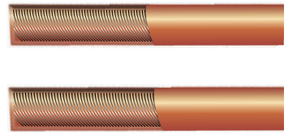
Small Pitch Corrugated Heat Exchanger Fins

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



Internal Screw Thread Design of Copper Tube

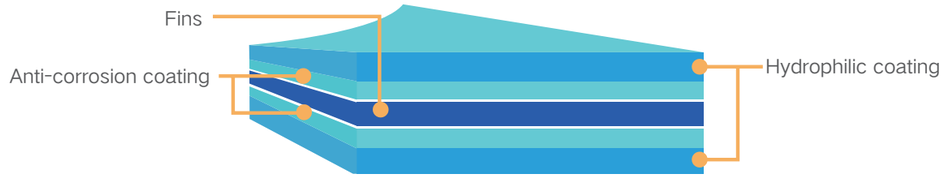
The refrigerant pipe adopts internal screw thread design, choose the appropriate internal screw thread type (tooth height and angle) through experiment, to increase the contact area with the refrigerant, optimize the turbulent state of refrigerant flow, and improve the heat exchange efficiency.



Internal screw thread high-efficiency heat exchange tube

Multi-functional Heat Exchanger Fins

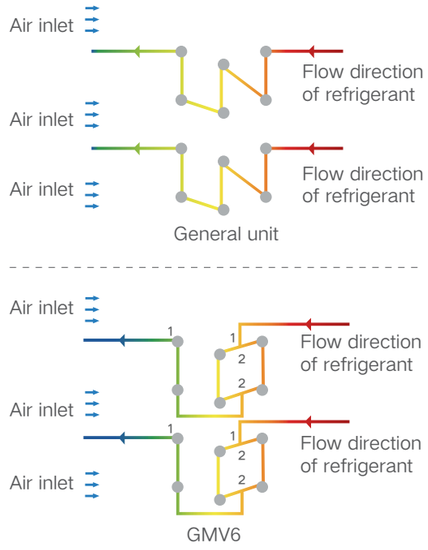
The heat exchanger fins adopt double-sided double-effect coating and hydrophilic membrane design so that the unit is not easy to get frosted and the condensate water or water from defrosting can flow down more quickly; the anti-corrosion coating isolates the pollutants and dust from air to protect the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

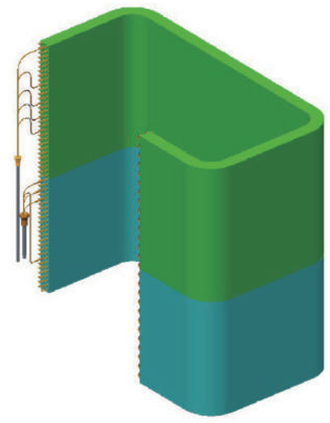


Double coating heat exchange fins structure

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.





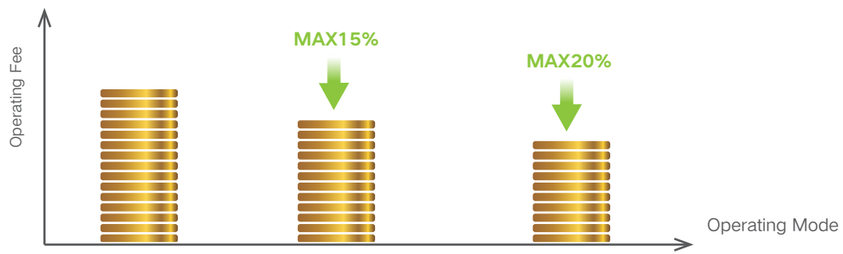
Multiple Energy-saving Modes

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 curtailment 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.

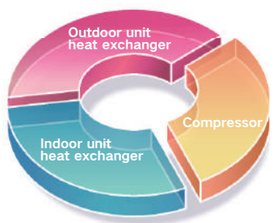
Compulsory Energy-saving Mode
Compulsorily limit the output of outdoor unit, satisfy the using capacity demand in priority. 90% and 80% capacity proportion can be selected to limit the output according to the power consumption of unit and user demand.



Capacity Priority Mode Auto Energy-saving Mode Compulsory Energy-saving Mode

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.

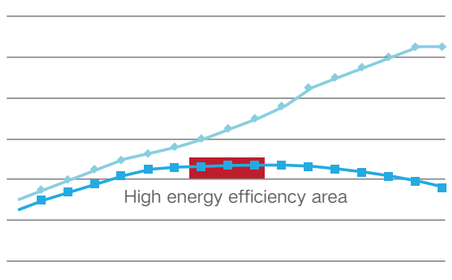


The best matching features exist among the compressor, indoor heat exchanger, and outdoor heat exchanger. It can automatically match the capacity of indoor and outdoor heat exchangers, and adjust in real time according to operating situation.



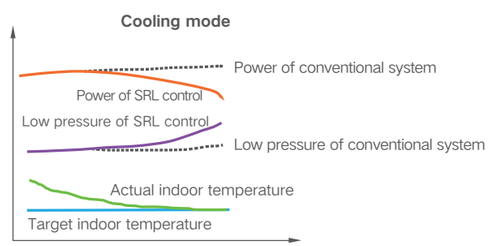
GMV5

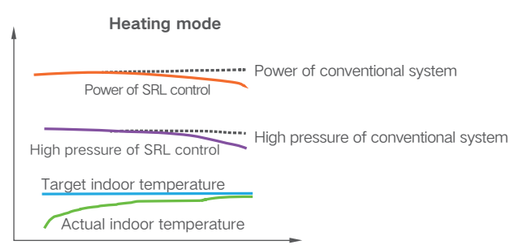
GMV6-HPAC control



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.





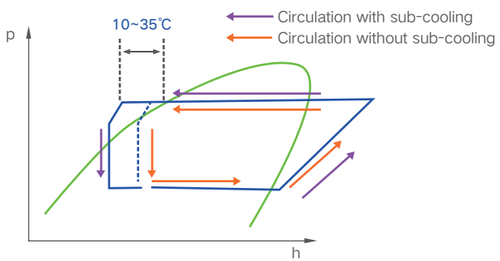
Variable Sub-cooling Design

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℃ , 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:

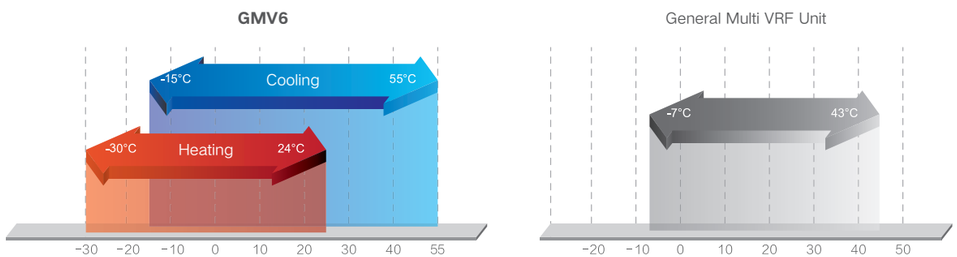
With fixed sub-cooling degree, output of the unit cannot adapt to changes in load. When the system conducts excessive sub-cooling, performance of the whole unit is reduced, degree of superheat for the exhaust of compressor is insufficient, and the reliability is reduced





Wide Operation Range

-30℃-55℃ 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℃ .



Note:
1. The maximum operating temperature in cooling is 55℃ while the minimum operating temperature in heating is -30℃ . Different series have different operating ranges, please refer to the corresponding technical information.
2.Cooling at -15~-5℃ is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5℃ .

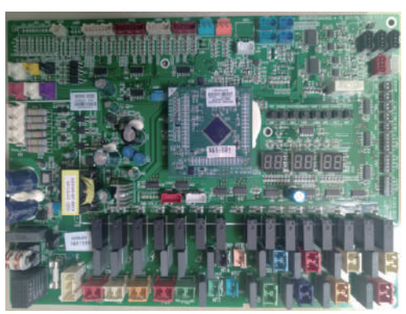
Integrated Mainboard

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.

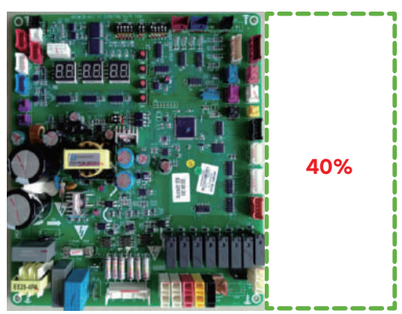
Intelligent Design
low power consumption control, auto address allocation, auto commissioning, error memory and inquiry;

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.



GMV5



GMV6

Integrated High-efficiency Heat Dissipation Electric Controller

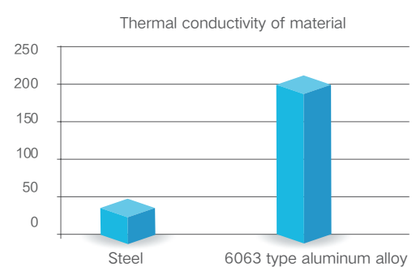
Main body of electric box is made of 6063T5 aluminum alloy material with high thermal conductivity (the heat dissipation capacity is 4.5 times that of conventional steel plates). The integrated structure design reduces the overall volume by 35%. Installation and maintenance are more convenient.



Other (sheet metal structure)

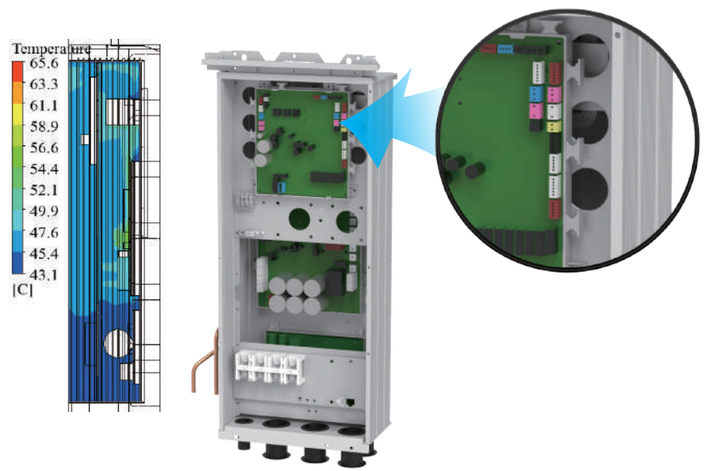


GMV6(Aluminum alloy)



*Chinese Patent for Utility Model No.ZL201720497732.5 Outdoor unit, Electric Box and its Box Subassembly of Air Conditioner.
Note: Aluminum control box is not applicable for GMV6(GMV-**WM/G-F).

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℃ , and improving the reliability of inverter components of large-capacity inverter compressor.

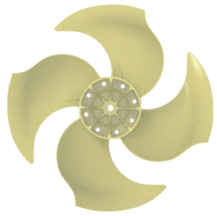


Quiet and Comfortable Experience

GMV6 adopts multiple professional noise-reduction technologies to improve the operation of the unit and create a quiet and comfortable environment.

Multiple Professional Noise Reduction Technologies

① Large Air Volume and Low Noise Fan Blade
Reverse S shape tail design and aircraft winglet 4-blade design to achieve large air volume and low noise.





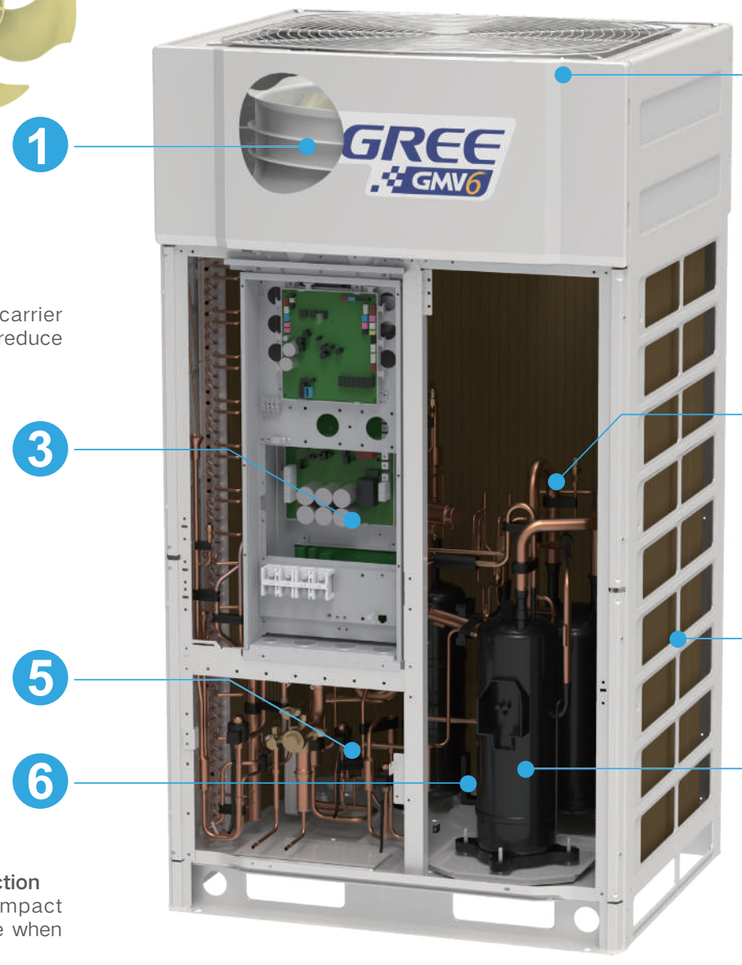
③ Intelligent Noise Reduction Converter
IGBT adopts exciting voltage and control carrier frequency switching technology to actively reduce electromagnetic noise.

⑤ Quiet Throttling Component
The quiet expansion valve with special structural design meets the needs of pressure-reducing flow distribution and can minimize the throttle noise.

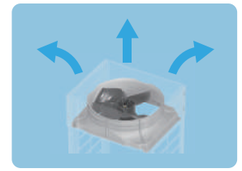


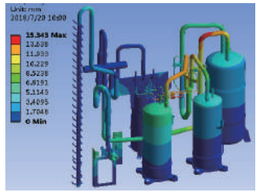


⑥ Enthalpy-adding Pulsation Noise Reduction
Design a special buffer to reduce the impact noise of refrigerant pulsation on the pipeline when spraying enthalpy by 90%.



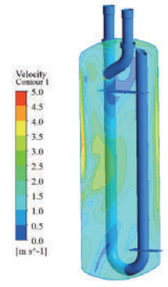
② New Streamline Grill and Immersed Layout Air Duct
The general air duct system of unit goes down to form an immersed layout, which can effectively reduce the fan noise.





④ Pipeline Simulation Shock Absorption Design
Pipeline is designed based on ANSYS to effectively reduce the vibration of pipes.

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-out tubes are specially designed to reduce noise.



⑧ Sound Absorption and Sound Insulation Design of Compressor
Adopt compound material with high sound absorption and insulation effect to reduce the noise of compressor effectively.



Sound absorption material



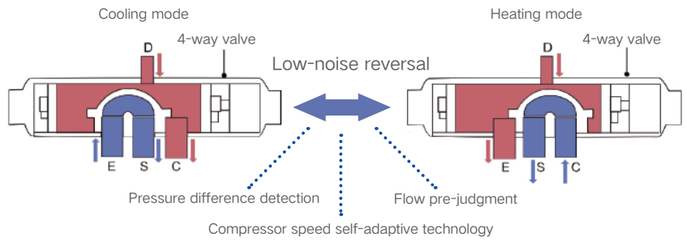
Metal sound insulation cover

*Configuration of some models

Low-noise Operating Technology

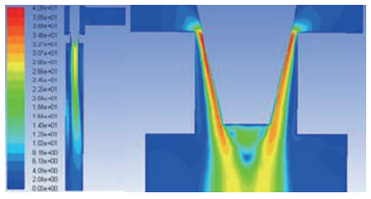
Low-noise Reversing Control Technology

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.

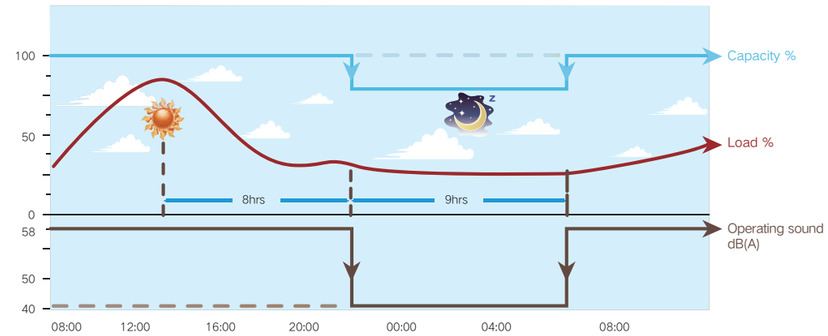


Quiet Technology

13 Quiet Modes

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.



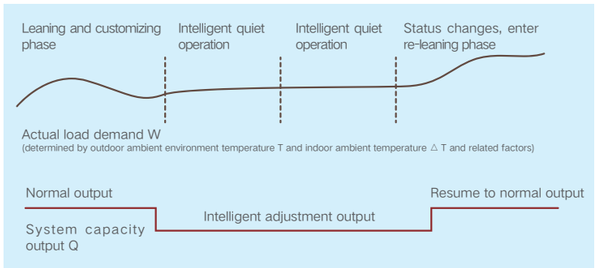
Quiet in Compulsion

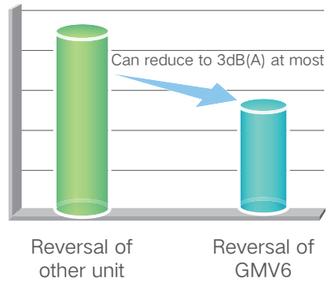
When the unit is installed in an environment with high noise requirements, it needs to operate silently during the day or night. Then you can choose three mandatory settings of quiet modes to ensure that the unit operates in low noise mode at any time, and the noise value can be as low as 40dB (A).



Intelligent Quiet

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.



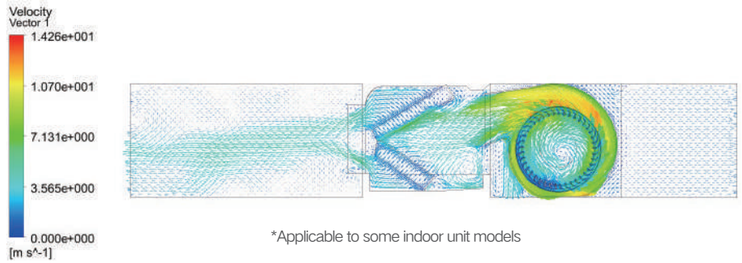


* Internal measurement value.

Indoor Unit Quiet Technology

Indoor Quiet Air Duct Design

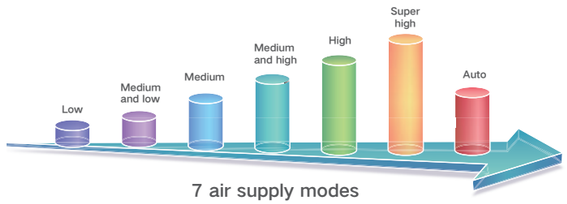
Heat exchanger of indoor unit adopts V shape design for even and smooth air flow to create a quiet and comfortable environment.



*Applicable to some indoor unit models

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.

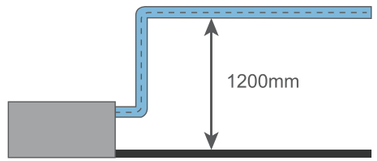


7 air supply modes

Note: applicable to partial DC motor models

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).



small talk from a distance of 1.5m | during quiet operation | sound regulation room | reading room | office

Stable and Reliable Operation

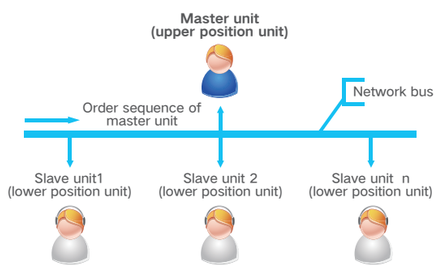
GMV6 adopts CAN+ communication, multiple oil circuits control and other technologies, which greatly improves the stability and reliability of the unit.

CAN+ Communication Technology

Current Situation for Communication Technology of Multi VRF Unit Industry

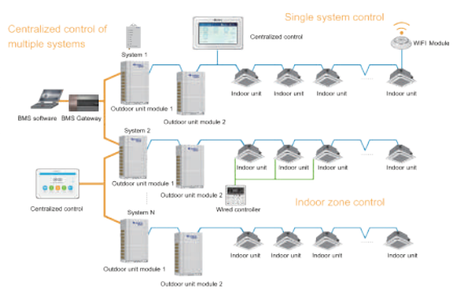
In the field of commercial VRF, as the installed capacity of the system increases, the number of connected indoor units also increases. Thus, the multi-system integrated control requires a highly stable communication network.

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.

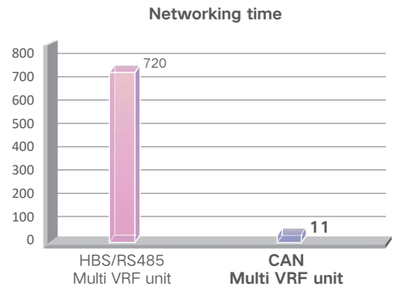


Technical Effect		CAN+ Network Structure	Traditional Network Structure
Real-time capability of interaction	Communication cycle of single system	<500ms	About 5s
	Preferential response	Microseconds	Seconds
	Centralized control response time	6s	10min
Reliability of interaction	Error isolation	Automatic	No
	Impact of node malfunction	Not rely on any node	Totally rely on master unit
	Sub-net 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

- Network scale: single system can control up to 100* indoor units, reducing equipment investment and management costs;
- 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.

  * Require engineering customization

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

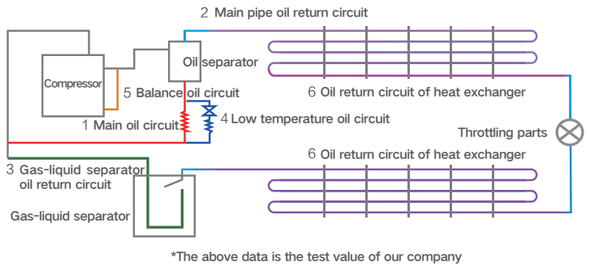
- In 2017, the project “Research and Application of CAN + Communication Technology Based on Multi VRF Unit” was accredited by the Chinese Association of Refrigeration and reached the “international leading” level;
- In 2018, the project “Research and Application of CAN + Communication Technology for 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 VRF 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

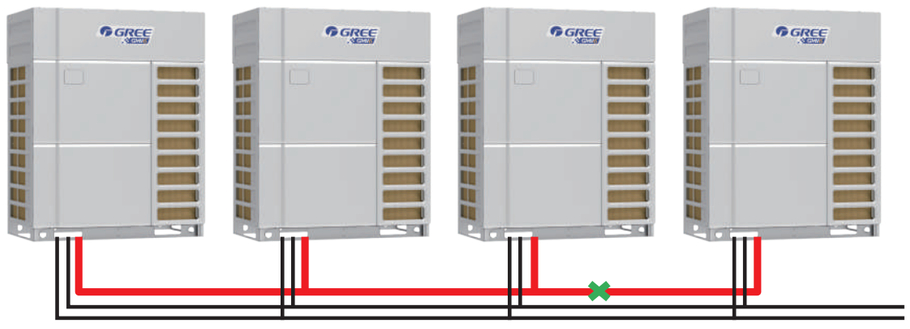
Six oil circuits ensure smooth and reliable oil passage.



*The above data is the test value of our company

Self-balancing Control Without Oil Balancing Tube

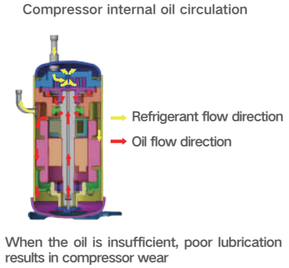
Advanced oil balancing control method, no external oil balancing pipeline is required between modules, and the installation is simple and fast. By collecting and calculating the capacity output and threshold conditions between each module, the distribution of refrigeration oil between the modules is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

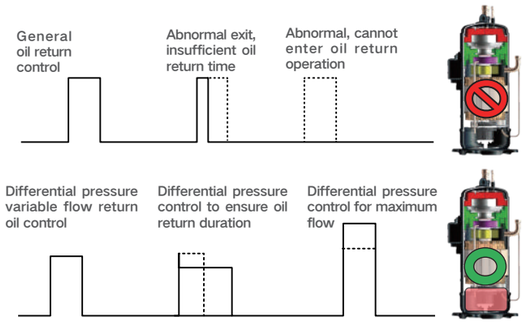


China Patent No. 201510307364.9 “Oil Balancing Control Method of Air Conditioning System”

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.

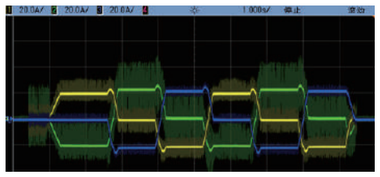


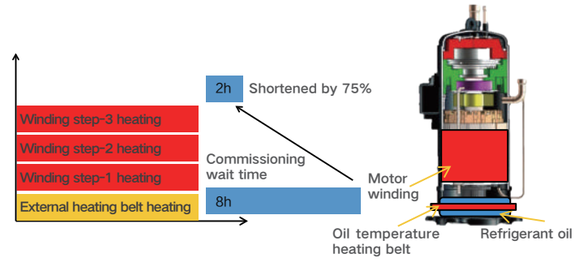


Double Heating Source Oil Temperature Control Technology

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

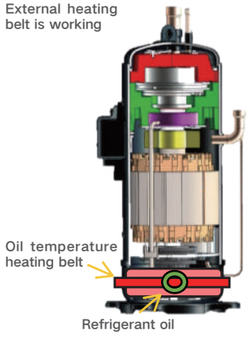
Variable control of motor winding heating power enables fast and safe start-up under different environmental conditions, and the preheating time is shortened from 8 hours to 2 hours.

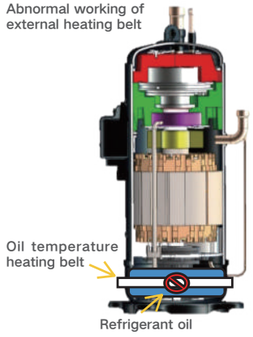


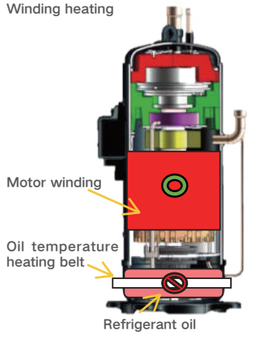


Backup Heating

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.



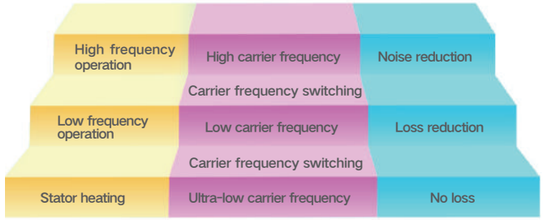




Self-adaptive Drive Technology

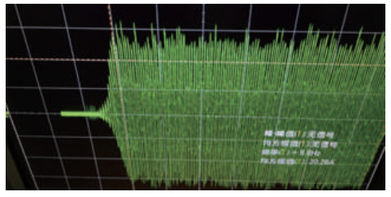
Variable Carrier Frequency Control Technology

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

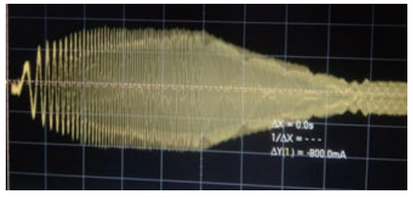


Strong Torque Start Control

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.



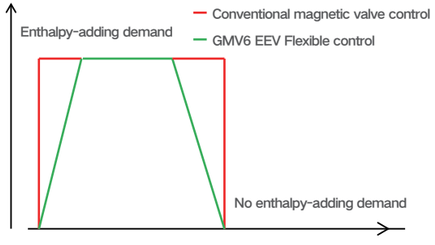
Conventional startup mode

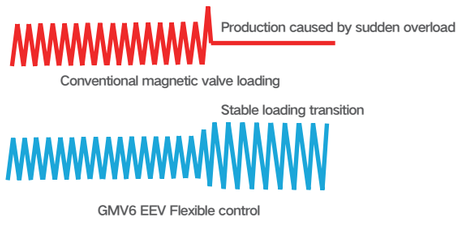


GMV6 startup mode

Flexible Enthalpy Loading Control

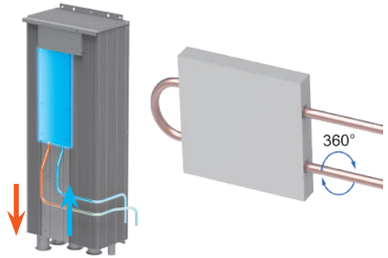
The general enthalpy-adding system adopts “0⟷1” on-off method to switch between enthalpy-adding mode and non-enthalpy-adding mode. This will cause the compressor load to change drastically, which may lead to runaway and shutdown. In serious cases, the compressor may be damaged. The GMV6 unit uses the 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.





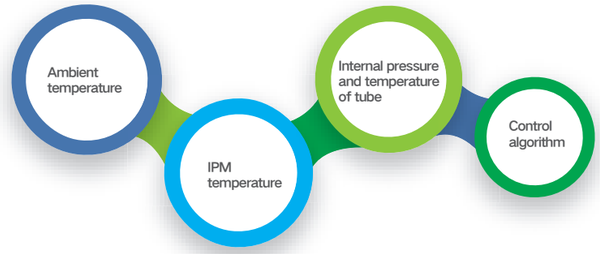
Sub-cooling Module Cooling Technology

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℃ , and reliability raised dramatically.



Anti-condensation Control Algorithm for High Humidity Environment

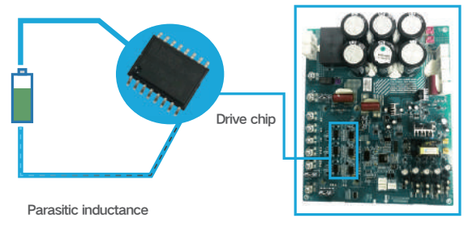
By detecting the ambient temperature, internal pressure and temperature of the tube, IPM temperature, etc., the anti-low temperature control algorithm for the high humidity environment is determined to prevent the condensation of internal components and avoid damage to the devices.

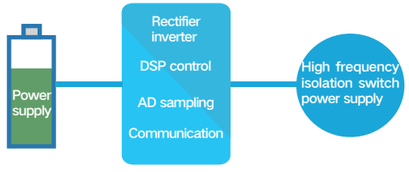


Anti-high Voltage Impact Technology

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.

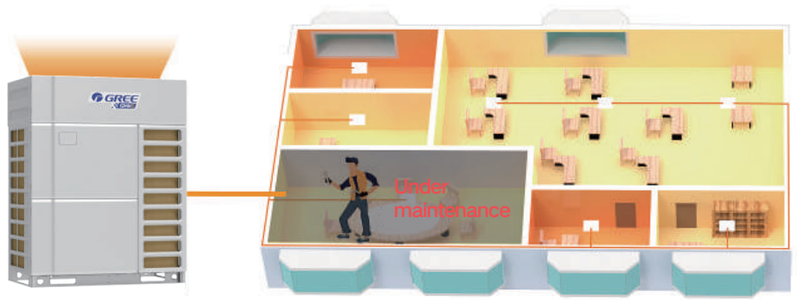
With high-voltage switch power supply and fully isolated drive technology, multiple output electromagnetic isolation, to avoid mutual interference. The circuit protection function is synchronously isolated, and the desat setting can suppress transient peak current. Industrial-grade performance and high-power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



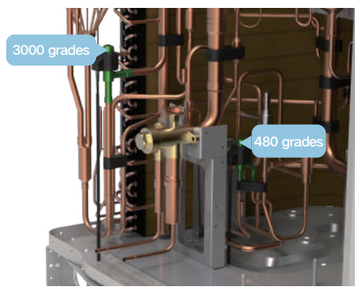
Note: There should be less than 3 indoor units that are powered off at the same time within the same cooling system.

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.

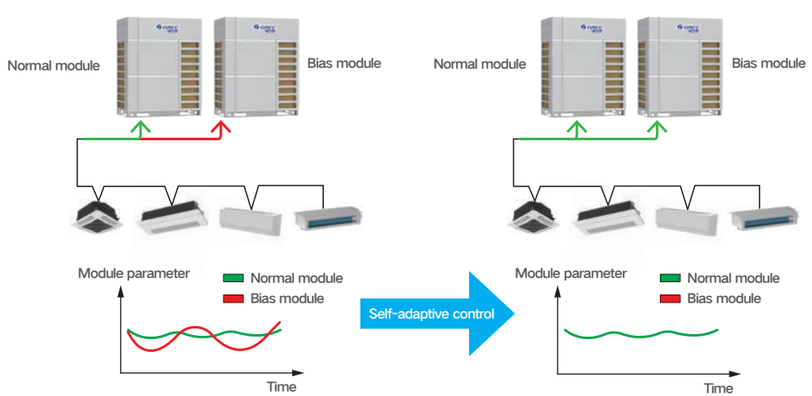


Indoor Unit

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 in 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

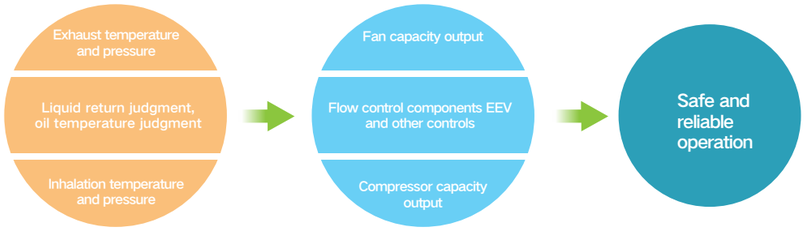
As for the system control, not only the overall service life of the modular design is considered, when the module is designed for multiple compressors, the internal compressors will also conduct rotation control to balance the operating service life of each compressor.



*Applicable to partial models.

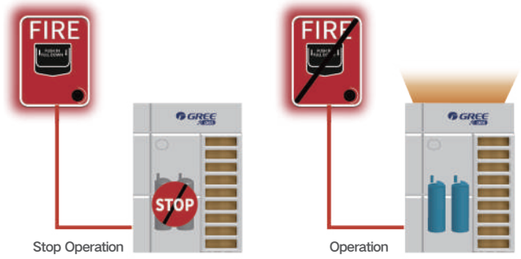
Advanced Anti-liquid Impact Technology

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.



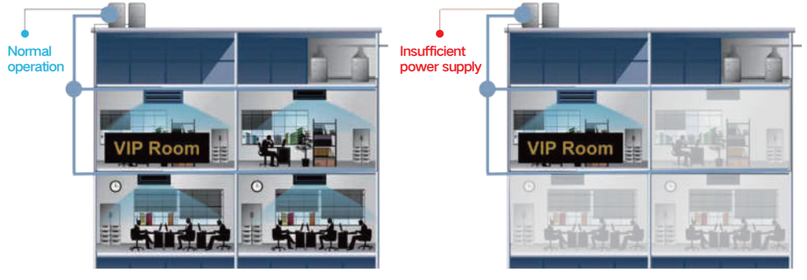
Emergency Stop Function

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

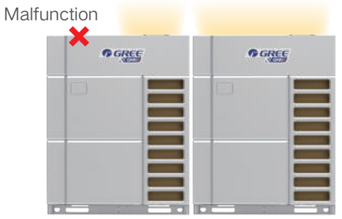
Basic module emergency function:

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 fans. 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

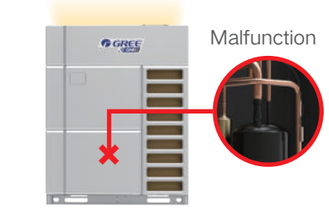
For a basic module with two or more compressors, when one of the compressors is malfunctioning, the unit can still operate with other compressors, which reduces the influence of malfunction.



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.

* Only for some temperature sensors.

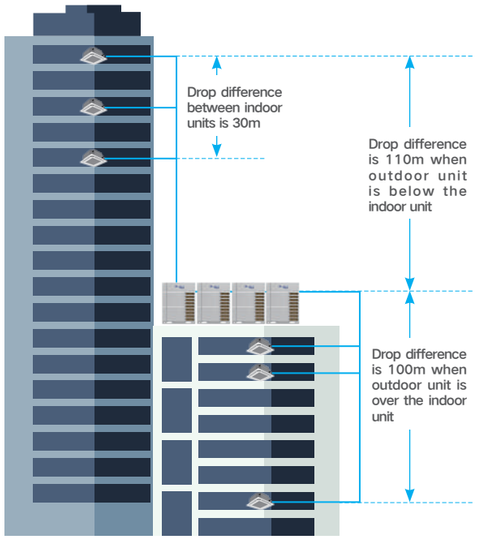


Flexible Engineering Design

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.



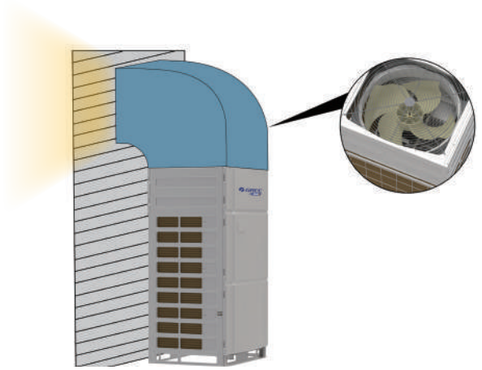
- The maximum actual single pipe length is 200m, the maximum equivalent single pipe length is 240m, and the maximum piping length is 1,000m.
- The maximum length after the first branch pipe is 120m *.
- The maximum drop of indoor and outdoor units is 110m * (100m when the outdoor unit is in upper position)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

High external static pressure design reduces the engineering application requirements, and the design of equipment layer is more convenient for vortex streamline distribution of air-out grill to reduce the wind resistance and increase the efficiency of motor, maximum static pressure is 110Pa.



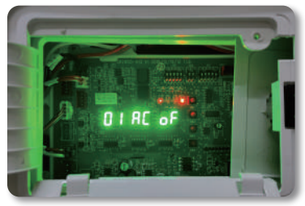
Intelligent Commissioning

Quick Installation

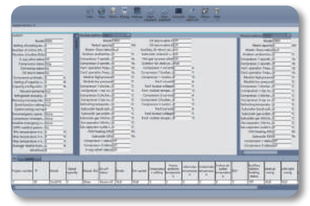
- Automatic address allocation: the system automatically allocates addresses to the indoor units, no DIP switch is required for commissioning, which is convenient.
- Five-side outlet pipes connection method: pipes can be lead out from five sides--front side, left and right sides, back and lower sides, 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; automatic data storage (4GB), no external storage required

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 *

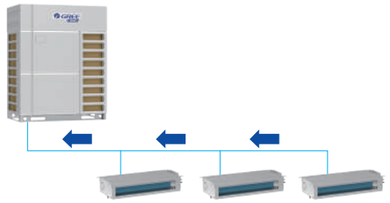
The new-generation refrigerant automatic charging function can effectively monitor and judge the status of the refrigerant in the system by detecting the high and low pressure, ambient temperature, and other parameters of the system, and strive to achieve the amount of refrigerant that matches the project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

*This function needs to be customized



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.



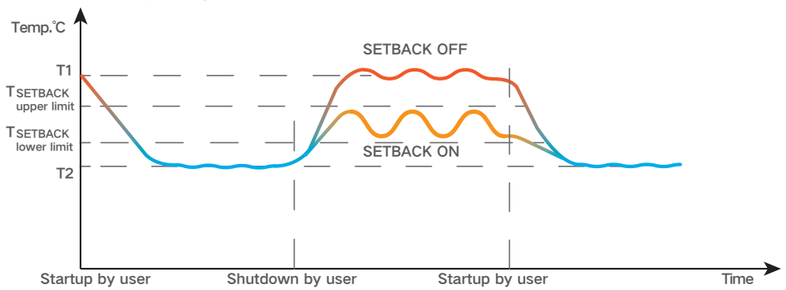
Indoor unit refrigerant recovery



Module refrigerant recovery

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

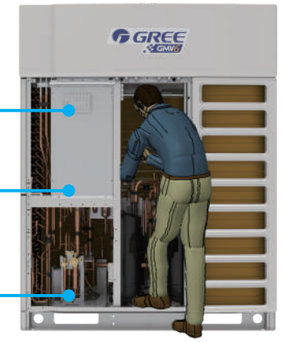
GMV6 integrated electronic control layout, with reserved maintenance space for higher maintenance efficiency.

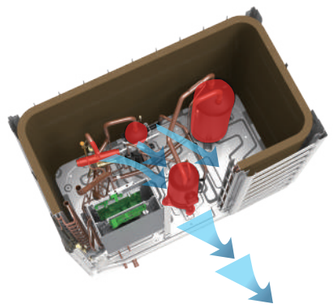


Commissioning window, no need to remove the panel, you can conduct commissioning and troubleshooting during operation.

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.

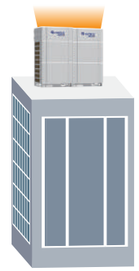




Large space for convenient maintenance

Four Seasons Operating Function

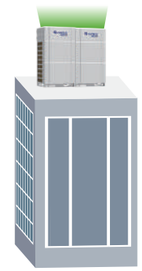
Without adding additional accessories, operation mode of the whole unit can be set through the outdoor unit to achieve centralized management and reduce energy waste.



Summer lock: cooling is effective

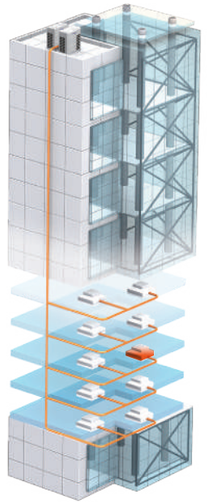


Transient season lock: air supply is effective



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 Outdoor Units Specifications

GMV6（380-415V 3N~50/60Hz）

Model			GMV-224WM/H-X	GMV-280WM/H-X	GMV-335WM/H-X	GMV-400WM/H-X
Capacity range		HP	8	10	12	14
Cooling capacity	Rated *	kW	22.4	28.0	33.5	40.0
	Max.	kW	22.4	28.0	33.5	40.0
Heating capacity	Rated *	kW	22.4	28.0	33.5	40.0
	Max.	kW	25.0	31.5	37.5	45.0
SEER	Ducted *	-	7.10	6.66	6.31	6.72
	Cassette *	-	7.80	6.33	6.58	6.74
SCOP	Ducted *	-	4.62	4.50	4.40	4.50
	Cassette *	-	4.50	4.75	4.35	4.30
Power supply		V/Ph/Hz	380-415V 3N~50/60Hz			
Min. circuit/Max. fuse current		A	23.0/25	23.5/25	24.1/25	37.5/40
Maximum drive IDU NO.		unit	13	16	19	23
Refrigerant charge volume		kg	5.5	5.5	7.5	7.5
Airflow volume		m^3/h	9750	10500	11100	13500
Sound pressure level(Cooling)		dB(A)	56	57	59	59
Sound power level(Cooling)	Ducted *	dB(A)	80	84	86	90
	Cassette *	dB(A)	82	86	86	88
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7
	Gas	mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4
Dimension(W × D × H)	Outline	mm	930 × 775 × 1690	930 × 775 × 1690	930 × 775 × 1690	1340 × 775 × 1690
	Package	mm	1000 × 830 × 1855	1000 × 830 × 1855	1000 × 830 × 1855	1400 × 830 × 1855
Net weight/Gross weight		kg	220/230	220/230	240/250	300/315
Loading quantity	20' GP	set	12	12	12	10
	40' GP	set	28	28	28	22
	40' HQ	set	28	28	28	22

Model			GMV-450WM/H-X	GMV-504WM/H-X	GMV-560WM/H-X	GMV-615WM/H-X
Capacity range		HP	16	18	20	22
Cooling capacity	Rated *	kW	45.0	50.4	52.0	52.0
	Max.	kW	45.0	50.4	56.0	61.5
Heating capacity	Rated *	kW	45.0	50.4	56.0	56.0
	Max.	kW	50.0	56.5	63.0	69.0
SEER	Ducted *	-	6.24	6.12	5.97	6.02
	Cassette *	-	6.41	6.44	5.67	5.75
SCOP	Ducted *	-	4.60	4.19	4.10	4.10
	Cassette *	-	4.44	3.71	3.71	3.71
Power supply		V/Ph/Hz	380-415V 3N~50/60Hz			
Min. circuit/Max. fuse current		A	39.3/40	47.0/50	48.0/50	49.0/50
Maximum drive IDU NO.		unit	26	29	33	36
Refrigerant charge volume		kg	7.5	8.3	8.3	8.3
Airflow volume		m^3/h	15400	16000	16500	16500
Sound pressure level(Cooling)		dB(A)	60	61	62	63
Sound power level(Cooling)	Ducted *	dB(A)	93	93	93	93
	Cassette *	dB(A)	93	88	94	94
Connecting pipe	Liquid	mm	Φ12.7	Φ15.9	Φ15.9	Φ15.9
	Gas	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6
Dimension(W × D × H)	Outline	mm	1340 × 775 × 1690	1340 × 775 × 1690	1340 × 775 × 1690	1340 × 775 × 1690
	Package	mm	1400 × 830 × 1855	1400 × 830 × 1855	1400 × 830 × 1855	1400 × 830 × 1855
Net weight/Gross weight		kg	300/315	350/365	350/365	355/370
Loading quantity	20' GP	set	10	10	10	10
	40' GP	set	22	22	22	22
	40' HQ	set	22	22	22	22

*The data is Eurovent certified.
*The outline dimensions of the outdoor unit do not include the fan grille.
*GREE is committed to continuously improving our products to ensure the higher quality and reliability standards, and to meet local regulations and market requirements, specification, design and feature are subject to change without prior notice.

ODU Specifications

GMV6（380-415V 3N~50/60Hz）

Model			GMV-224WM/H1-X	GMV-280WM/H1-X	GMV-335WM/H1-X	GMV-400WM/H1-X
Capacity range		HP	8	10	12	14
Cooling capacity	Rated *	kW	22.4	28.0	33.5	40.0
	Max.	kW	22.4	28.0	33.5	40.0
Heating capacity	Rated *	kW	22.4	28.0	33.5	40.0
	Max.	kW	25.0	31.5	37.5	45.0
SEER	Ducted *	-	7.10	6.66	6.31	6.72
	Cassette *	-	7.80	6.33	6.58	6.74
SCOP	Ducted *	-	4.62	4.50	4.40	4.50
	Cassette *	-	4.50	4.75	4.35	4.30
Power supply		V/Ph/Hz	380-415V 3N~50/60Hz			
Min. circuit/Max. fuse current		A	23.0/25	23.5/25	24.1/25	37.5/40
Maximum drive IDU NO.		unit	13	16	19	23
Refrigerant charge volume		kg	5.5	5.5	7.5	7.5
Airflow volume		m^3/h	9750	10500	11100	13500
Sound pressure level(Cooling)		dB(A)	56	57	59	59
Sound power level(Cooling)	Ducted *	dB(A)	80	84	86	90
	Cassette *	dB(A)	82	86	86	88
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7
	Gas	mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4
Dimension(W × D × H)	Outline	mm	930 × 775 × 1690	930 × 775 × 1690	930 × 775 × 1690	1340 × 775 × 1690
	Package	mm	1000 × 830 × 1855	1000 × 830 × 1855	1000 × 830 × 1855	1400 × 830 × 1855
Net weight/Gross weight		kg	220/230	220/230	240/250	300/315
Loading quantity	20' GP	set	12	12	12	10
	40' GP	set	28	28	28	22
	40' HQ	set	28	28	28	22

Model			GMV-450WM/H1-X	GMV-504WM/H1-X	GMV-560WM/H1-X	GMV-615WM/H1-X
Capacity range		HP	16	18	20	22
Cooling capacity	Rated *	kW	45.0	50.4	52.0	52.0
	Max.	kW	45.0	50.4	56.0	61.5
Heating capacity	Rated *	kW	45.0	50.4	56.0	56.0
	Max.	kW	50.0	56.5	63.0	69.0
SEER	Ducted *	-	6.24	6.12	5.97	6.02
	Cassette *	-	6.41	6.44	5.67	5.75
SCOP	Ducted *	-	4.60	4.19	4.10	4.10
	Cassette *	-	4.44	3.71	3.71	3.71
Power supply		V/Ph/Hz	380-415V 3N~50/60Hz			
Min. circuit/Max. fuse current		A	39.3/40	47.0/50	48.0/50	49.0/50
Maximum drive IDU NO.		unit	26	29	33	36
Refrigerant charge volume		kg	7.5	8.3	8.3	8.3
Airflow volume		m^3/h	15400	16000	16500	16500
Sound pressure level(Cooling)		dB(A)	60	61	62	63
Sound power level(Cooling)	Ducted *	dB(A)	93	93	93	93
	Cassette *	dB(A)	93	88	94	94
Connecting pipe	Liquid	mm	Φ12.7	Φ15.9	Φ15.9	Φ15.9
	Gas	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6
Dimension(W × D × H)	Outline	mm	1340 × 775 × 1690	1340 × 775 × 1690	1340 × 775 × 1690	1340 × 775 × 1690
	Package	mm	1400 × 830 × 1855	1400 × 830 × 1855	1400 × 830 × 1855	1400 × 830 × 1855
Net weight/Gross weight		kg	300/315	350/365	350/365	355/370
Loading quantity	20' GP	set	10	10	10	10
	40' GP	set	22	22	22	22
	40' HQ	set	22	22	22	22

*The data is Eurovent certified.
*The outline dimensions of the outdoor unit do not include the fan grille.
*GREE is committed to continuously improving our products to ensure the higher quality and reliability standards, and to meet local regulations and market requirements, specification, design and feature are subject to change without prior notice.

ODU Combination Specifications

GMV6（380-415V 3N~50/60Hz）

HP	Model	GMV-224WM/H-X	GMV-280WM/H-X	GMV-335WM/H-X	GMV-400WM/H-X	GMV-450WM/H-X	GMV-504WM/H-X	GMV-560WM/H-X	GMV-615WM/H-X
8	GMV-224WM/H-X	●							
10	GMV-280WM/H-X		●						
12	GMV-335WM/H-X			●					
14	GMV-400WM/H-X				●				
16	GMV-450WM/H-X					●			
18	GMV-504WM/H-X						●		
20	GMV-560WM/H-X							●	
22	GMV-615WM/H-X								●
24	GMV-680WM/H-X		●		●				
26	GMV-730WM/H-X		●			●			
28	GMV-784WM/H-X		●				●		
30	GMV-840WM/H-X		●					●	
32	GMV-895WM/H-X		●						●
34	GMV-950WM/H-X			●					●
36	GMV-1015WM/H-X				●				●
38	GMV-1065WM/H-X					●			●
40	GMV-1119WM/H-X						●		●
42	GMV-1175WM/H-X							●	●
44	GMV-1230WM/H-X								●●
46	GMV-1290WM/H-X		●			●		●	
48	GMV-1345WM/H-X		●			●			●
50	GMV-1400WM/H-X			●		●			●
52	GMV-1455WM/H-X		●					●	●
54	GMV-1510WM/H-X		●						●●
56	GMV-1565WM/H-X			●					●●
58	GMV-1630WM/H-X				●				●●
60	GMV-1680WM/H-X					●			●●
62	GMV-1734WM/H-X						●		●●
64	GMV-1790WM/H-X							●	●●
66	GMV-1845WM/H-X								●●●
68	GMV-1905WM/H-X		●			●		●	●
70	GMV-1959WM/H-X		●				●	●	●
72	GMV-2015WM/H-X		●					●●	●
74	GMV-2070WM/H-X		●					●	●●
76	GMV-2125WM/H-X		●						●●●
78	GMV-2180WM/H-X			●					●●●
80	GMV-2245WM/H-X				●				●●●
82	GMV-2295WM/H-X					●			●●●
84	GMV-2349WM/H-X						●		●●●
86	GMV-2405WM/H-X							●	●●●
88	GMV-2460WM/H-X								●●●●

The combination models of the outdoor units are not Eurovent certified.
The combinations of anticorrosion models GMV-***WM/H1-X are the same as aboved.

ODU Combination Specifications

GMV6（380-415V 3N~50/60Hz）

HP	Model	Power Supply	Capacity		Dimension (W × D × H)	Airflow Volume	ESP	Connecting pipe		Min.circuit current	Max.fuse current	Net weight
			Cooling	Heating				Liquid	Gas			
			kW	kW	mm	m^3/h	Pa	mm	mm	A	A	kg
24	GMV-680WM/H-X	380-415V 3N~ 50/60Hz	68.0	76.5	930 × 775 × 1690 +1340 × 775 × 1690	10500+13500	110	Φ15.9	Φ28.6	23.5+37.5	25+40	220+300
26	GMV-730WM/H-X		73.0	81.5	930 × 775 × 1690 +1340 × 775 × 1690	10500+15400	110	Φ19.05	Φ31.8	23.5+39.3	25+40	220+300
28	GMV-784WM/H-X		78.4	88.0	930 × 775 × 1690 +1340 × 775 × 1690	10500+16000	110	Φ19.05	Φ31.8	23.5+47	25+50	220+350
30	GMV-840WM/H-X		84.0	94.5	930 × 775 × 1690 +1340 × 775 × 1690	10500+16500	110	Φ19.05	Φ31.8	23.5+48	25+50	220+350
32	GMV-895WM/H-X		89.5	100.5	930 × 775 × 1690 +1340 × 775 × 1690	10500+16500	110	Φ19.05	Φ31.8	23.5+49	25+50	220+355
34	GMV-950WM/H-X		95.0	106.5	930 × 775 × 1690 +1340 × 775 × 1690	11100+16500	110	Φ19.05	Φ31.8	24.1+49	25+50	240+355
36	GMV-1015WM/H-X		101.5	114.0	(1340 × 775 × 1690) × 2	13500+16500	110	Φ19.05	Φ38.1	37.5+49	40+50	300+355
38	GMV-1065WM/H-X		106.5	119.0	(1340 × 775 × 1690) × 2	15400+16500	110	Φ19.05	Φ38.1	39.3+49	40+50	300+355
40	GMV-1119WM/H-X		111.9	125.5	(1340 × 775 × 1690) × 2	16000+16500	110	Φ19.05	Φ38.1	47+49	50+50	350+355
42	GMV-1175WM/H-X		117.5	132.0	(1340 × 775 × 1690) × 2	16500 × 2	110	Φ19.05	Φ38.1	48+49	50+50	350+355
44	GMV-1230WM/H-X		123.0	138.0	(1340 × 775 × 1690) × 2	16500 × 2	110	Φ19.05	Φ38.1	49+49	50+50	355 × 2
46	GMV-1290WM/H-X		129.0	144.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	10500+ 15400+16500	110	Φ19.05	Φ38.1	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	Φ19.05	Φ38.1	23.5+39.3+49	25+40+50	220+300+355
50	GMV-1400WM/H-X		140.0	156.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	11100+ 15400+16500	110	Φ19.05	Φ41.3	24.1+39.3+49	25+40+50	240+300+355
52	GMV-1455WM/H-X		145.5	163.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	10500+16500 × 2	110	Φ19.05	Φ41.3	23.5+48+49	25+50+50	220+350+355
54	GMV-1510WM/H-X		151.0	169.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	10500+16500 × 2	110	Φ19.05	Φ41.3	23.5+49+49	25+50+50	220+355 × 2
56	GMV-1565WM/H-X		156.5	175.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	11100+16500 × 2	110	Φ19.05	Φ41.3	24.1+49+49	25+50+50	240+355 × 2
58	GMV-1630WM/H-X		163.0	183.0	(1340 × 775 × 1690) × 3	13500+16500 × 2	110	Φ19.05	Φ41.3	37.5+49+49	40+50+50	300+355 × 2
60	GMV-1680WM/H-X		168.0	188.0	(1340 × 775 × 1690) × 3	15400+16500 × 2	110	Φ19.05	Φ41.3	39.3+49+49	40+50+50	300+355 × 2
62	GMV-1734WM/H-X		173.4	194.5	(1340 × 775 × 1690) × 3	16000+16500 × 2	110	Φ19.05	Φ41.3	47+49+49	50+50+50	350+355 × 2
64	GMV-1790WM/H-X		179.0	201.0	(1340 × 775 × 1690) × 3	16500 × 3	110	Φ19.05	Φ41.3	48+49+49	50+50+50	350+355 × 2
66	GMV-1845WM/H-X		184.5	207.0	(1340 × 775 × 1690) × 3	16500 × 3	110	Φ19.05	Φ41.3	49+49+49	50+50+50	355 × 3
68	GMV-1905WM/H-X		190.5	213.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	10500+15400 +16500 × 2	110	Φ22.2	Φ44.5	23.5+39.3+48+49	25+40+50+50	220+300+350+355
70	GMV-1959WM/H-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+355
72	GMV-2015WM/H-X		201.5	226.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	10500+16500 × 3	110	Φ22.2	Φ44.5	23.5+48+48+49	25+50+50+50	220+350 × 2+355
74	GMV-2070WM/H-X		207.0	232.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	10500+16500 × 3	110	Φ22.2	Φ44.5	23.5+48+49+49	25+50+50+50	220+350+355 × 2
76	GMV-2125WM/H-X		212.5	238.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	10500+16500 × 3	110	Φ22.2	Φ44.5	23.5+49+49+49	25+50+50+50	220+355 × 3
78	GMV-2180WM/H-X		218.0	244.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	11100+16500 × 3	110	Φ22.2	Φ44.5	24.1+49+49+49	25+50+50+50	240+355 × 3
80	GMV-2245WM/H-X		224.5	252.0	(1340 × 775 × 1690) × 4	13500+16500 × 3	110	Φ22.2	Φ44.5	37.5+49+49+49	40+50+50+50	300+355 × 3
82	GMV-2295WM/H-X		229.5	257.0	(1340 × 775 × 1690) × 4	15400+16500 × 3	110	Φ22.2	Φ44.5	39.3+49+49+49	40+50+50+50	300+355 × 3
84	GMV-2349WM/H-X		234.9	263.5	(1340 × 775 × 1690) × 4	16000+16500 × 3	110	Φ22.2	Φ44.5	47+49+49+49	50+50+50+50	350+355 × 3
86	GMV-2405WM/H-X		240.5	270.0	(1340 × 775 × 1690) × 4	16500 × 4	110	Φ22.2	Φ44.5	48+49+49+49	50+50+50+50	350+355 × 3
88	GMV-2460WM/H-X		246.0	276.0	(1340 × 775 × 1690) × 4	16500 × 4	110	Φ22.2	Φ44.5	49+49+49+49	50+50+50+50	355 × 4

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ODU Combination Specifications

GMV6（380-415V 3N~50/60Hz）

HP	Model	Power Supply	Capacity		Dimension (W×D×H)	Airflow Volume	ESP	Connecting pipe		Min.circuit current	Max.fuse current	Net weight
			Cooling	Heating				Liquid	Gas			
			kW	kW	mm	m^3/h	Pa	mm	mm	A	A	kg
24	GMV-680WM/H1-X	380-415V 3N~50/60Hz	68.0	76.5	930×775×1690 +1340×775×1690	10500+13500	110	Φ15.9	Φ28.6	23.5+37.5	25+40	220+300
26	GMV-730WM/H1-X		73.0	81.5	930×775×1690 +1340×775×1690	10500+15400	110	Φ19.05	Φ31.8	23.5+39.3	25+40	220+300
28	GMV-784WM/H1-X		78.4	88.0	930×775×1690 +1340×775×1690	10500+16000	110	Φ19.05	Φ31.8	23.5+47	25+50	220+350
30	GMV-840WM/H1-X		84.0	94.5	930×775×1690 +1340×775×1690	10500+16500	110	Φ19.05	Φ31.8	23.5+48	25+50	220+350
32	GMV-895WM/H1-X		89.5	100.5	930×775×1690 +1340×775×1690	10500+16500	110	Φ19.05	Φ31.8	23.5+49	25+50	220+355
34	GMV-950WM/H1-X		95.0	106.5	930×775×1690 +1340×775×1690	11100+16500	110	Φ19.05	Φ31.8	24.1+49	25+50	240+355
36	GMV-1015WM/H1-X		101.5	114.0	(1340×775×1690)×2	13500+16500	110	Φ19.05	Φ38.1	37.5+49	40+50	300+355
38	GMV-1065WM/H1-X		106.5	119.0	(1340×775×1690)×2	15400+16500	110	Φ19.05	Φ38.1	39.3+49	40+50	300+355
40	GMV-1119WM/H1-X		111.9	125.5	(1340×775×1690)×2	16000+16500	110	Φ19.05	Φ38.1	47+49	50+50	350+355
42	GMV-1175WM/H1-X		117.5	132.0	(1340×775×1690)×2	16500×2	110	Φ19.05	Φ38.1	48+49	50+50	350+355
44	GMV-1230WM/H1-X		123.0	138.0	(1340×775×1690)×2	16500×2	110	Φ19.05	Φ38.1	49+49	50+50	355×2
46	GMV-1290WM/H1-X		129.0	144.5	930×775×1690+ (1340×775×1690)×2	10500+ 15400+16500	110	Φ19.05	Φ38.1	23.5+39.3+48	25+40+50	220+300+350
48	GMV-1345WM/H1-X		134.5	150.5	930×775×1690+ (1340×775×1690)×2	10500+ 15400+16500	110	Φ19.05	Φ38.1	23.5+39.3+49	25+40+50	220+300+355
50	GMV-1400WM/H1-X		140.0	156.5	930×775×1690+ (1340×775×1690)×2	11100+ 15400+16500	110	Φ19.05	Φ41.3	24.1+39.3+49	25+40+50	240+300+355
52	GMV-1455WM/H1-X		145.5	163.5	930×775×1690+ (1340×775×1690)×2	10500+16500×2	110	Φ19.05	Φ41.3	23.5+48+49	25+50+50	220+350+355
54	GMV-1510WM/H1-X		151.0	169.5	930×775×1690+ (1340×775×1690)×2	10500+16500×2	110	Φ19.05	Φ41.3	23.5+49+49	25+50+50	220+355×2
56	GMV-1565WM/H1-X		156.5	175.5	930×775×1690+ (1340×775×1690)×2	11100+16500×2	110	Φ19.05	Φ41.3	24.1+49+49	25+50+50	240+355×2
58	GMV-1630WM/H1-X		163.0	183.0	(1340×775×1690)×3	13500+16500×2	110	Φ19.05	Φ41.3	37.5+49+49	40+50+50	300+355×2
60	GMV-1680WM/H1-X		168.0	188.0	(1340×775×1690)×3	15400+16500×2	110	Φ19.05	Φ41.3	39.3+49+49	40+50+50	300+355×2
62	GMV-1734WM/H1-X		173.4	194.5	(1340×775×1690)×3	16000+16500×2	110	Φ19.05	Φ41.3	47+49+49	50+50+50	350+355×2
64	GMV-1790WM/H1-X		179.0	201.0	(1340×775×1690)×3	16500×3	110	Φ19.05	Φ41.3	48+49+49	50+50+50	350+355×2
66	GMV-1845WM/H1-X		184.5	207.0	(1340×775×1690)×3	16500×3	110	Φ19.05	Φ41.3	49+49+49	50+50+50	355×3
68	GMV-1905WM/H1-X		190.5	213.5	930×775×1690+ (1340×775×1690)×3	10500+15400 +16500×2	110	Φ22.2	Φ44.5	23.5+39.3+48+49	25+40+50+50	220+300+350+355
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+355
72	GMV-2015WM/H1-X		201.5	226.5	930×775×1690+ (1340×775×1690)×3	10500+16500×3	110	Φ22.2	Φ44.5	23.5+48+48+49	25+50+50+50	220+350×2+355
74	GMV-2070WM/H1-X		207.0	232.5	930×775×1690+ (1340×775×1690)×3	10500+16500×3	110	Φ22.2	Φ44.5	23.5+48+49+49	25+50+50+50	220+350+355×2
76	GMV-2125WM/H1-X		212.5	238.5	930×775×1690+ (1340×775×1690)×3	10500+16500×3	110	Φ22.2	Φ44.5	23.5+49+49+49	25+50+50+50	220+355×3
78	GMV-2180WM/H1-X		218.0	244.5	930×775×1690+ (1340×775×1690)×3	11100+16500×3	110	Φ22.2	Φ44.5	24.1+49+49+49	25+50+50+50	240+355×3
80	GMV-2245WM/H1-X		224.5	252.0	(1340×775×1690)×4	13500+16500×3	110	Φ22.2	Φ44.5	37.5+49+49+49	40+50+50+50	300+355×3
82	GMV-2295WM/H1-X		229.5	257.0	(1340×775×1690)×4	15400+16500×3	110	Φ22.2	Φ44.5	39.3+49+49+49	40+50+50+50	300+355×3
84	GMV-2349WM/H1-X		234.9	263.5	(1340×775×1690)×4	16000+16500×3	110	Φ22.2	Φ44.5	47+49+49+49	50+50+50+50	350+355×3
86	GMV-2405WM/H1-X		240.5	270.0	(1340×775×1690)×4	16500×4	110	Φ22.2	Φ44.5	48+49+49+49	50+50+50+50	350+355×3
88	GMV-2460WM/H1-X		246.0	276.0	(1340×775×1690)×4	16500×4	110	Φ22.2	Φ44.5	49+49+49+49	50+50+50+50	355×4

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ODU Specifications

GMV6 HR

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

GREE participates in the ECP programme for VRF with Diploma No. 17.02.283. Check ongoing validity of certificate: www.eurovent-certification.com

Model			GMV-VQ224WM/C-X	GMV-VQ280WM/C-X	GMV-VQ335WM/C-X	GMV-VQ400WM/C-X
Capacity range		HP	8	10	12	14
Cooling capacity	Rated *	kW	22.4	28.0	33.5	40.0
	Max.	kW	22.4	28.0	33.5	40.0
Heating capacity	Rated *	kW	22.4	28.0	33.5	40.0
	Max.	kW	25.0	31.5	37.5	45.0
SEER	Ducted *	-	7.00	6.76	6.61	6.97
	Cassette *	-	7.25	6.49	6.73	6.25
SCOP	Ducted *	-	4.32	4.58	4.74	4.44
	Cassette *	-	4.30	4.44	4.37	4.44
Power supply		V/Ph/Hz	380-415V 3N~50/60Hz			
Min. circuit/fuse current		A	23.0/25	23.5/25	24.1/25	37.5/40
Maximum drive IDU NO.		unit	13	16	19	23
Refrigerant charge volume		kg	8.2	8.5	9.6	11.1
Airflow volume		m^3/h	9750	10500	11100	13500
Sound pressure level(Cooling)		dB(A)	60	61	63	63
Sound power level (Cooling)	Ducted	dB(A)*	80	82	84	91
	Cassette	dB(A)*	80	84	86	87
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7
	High pressure gas	mm	Φ15.9	Φ19.05	Φ19.05	Φ22.2
	Low pressure gas	mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4
Dimension(W×D×H)	Outline	mm	930×775×1690	930×775×1690	930×775×1690	1340×775×1690
	Package	mm	1000×830×1855	1000×830×1855	1000×830×1855	1400×830×1855
Net weight/Gross weight		kg	243/253	243/253	256/266	325/340
Loading quantity	40' GP	set	28	28	28	22
	40' HQ	set	28	28	28	22

Model			GMV-VQ450WM/C-X	GMV-VQ504WM/C-X	GMV-VQ560WM/C-X	GMV-VQ615WM/C-X
Capacity range		HP	16	18	20	22
Cooling capacity	Rated *	kW	45.0	50.4	52.0	52.0
	Max.	kW	45.0	50.4	56.0	61.5
Heating capacity	Rated *	kW	45.0	50.4	56.0	56.0
	Max.	kW	50.0	56.5	63.0	69.0
SEER	Ducted *	-	6.53	6.54	6.38	6.32
	Cassette *	-	6.22	6.78	6.42	6.36
SCOP	Ducted *	-	4.42	4.25	4.15	4.15
	Cassette *	-	4.51	4.34	4.34	4.34
Power supply		V/Ph/Hz	380-415V 3N~50/60Hz			
Min. circuit/fuse current		A	39.3/40	47.0/50	48.0/50	49.0/50
Maximum drive IDU NO.		unit	26	29	33	36
Refrigerant charge volume		kg	11.6	12.8	12.8	13.3
Airflow volume		m^3/h	15400	16000	16500	16500
Sound pressure level(Cooling)		dB(A)	63	63	63	64
Sound power level (Cooling)	Ducted	dB(A)*	91	88	88	88
	Cassette	dB(A)*	94	87	89	89
Connecting pipe	Liquid	mm	Φ12.7	Φ15.9	Φ15.9	Φ15.9
	High pressure gas	mm	Φ22.2	Φ25.4	Φ25.4	Φ25.4
	Low pressure gas	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6
Dimension(W×D×H)	Outline	mm	1340×775×1690	1340×775×1690	1340×775×1690	1340×775×1690
	Package	mm	1400×830×1855	1400×830×1855	1400×830×1855	1400×830×1855
Net weight/Gross weight		kg	325/340	385/400	385/400	385/400
Loading quantity	40' GP	set	22	22	22	22
	40' HQ	set	22	22	22	22

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GMV6 HR

Model	Capacity range	Cooling capacity	Heating capacity	Connecting pipe diameter			Power Supply	Min. circuit current	Max. fuse current	Refrigerant charge volume	Net weight	Gross weight
				Liquid	HP Gas	LP Gas						
	HP	kW	kW	mm	mm	mm		A	A	kg	kg	kg
GMV-VQ680WM/C-X	24	68.0	76.5	Φ15.9	Φ25.4	Φ28.6		23.5+37.5	25+40	19.6	243+325	253+340
GMV-VQ730WM/C-X	26	73.0	81.5	Φ19.05	Φ28.6	Φ31.8		23.5+39.3	25+40	20.1	243+325	253+340
GMV-VQ785WM/C-X	28	78.4	88.0	Φ19.05	Φ28.6	Φ31.8		23.5+47	25+50	21.3	243+385	253+400
GMV-VQ850WM/C-X	30	84.0	94.5	Φ19.05	Φ28.6	Φ31.8		23.5+48	25+50	21.3	243+385	253+400
GMV-VQ900WM/C-X	32	89.5	100.5	Φ19.05	Φ28.6	Φ31.8		23.5+49	25+50	21.8	243+385	253+400
GMV-VQ960WM/C-X	34	95.0	106.5	Φ19.05	Φ28.6	Φ31.8		24.1+49	25+50	22.9	256+385	266+400
GMV-VQ1010WM/C-X	36	101.5	114.0	Φ19.05	Φ31.8	Φ38.1		37.5+49	40+50	24.4	325+385	340+400
GMV-VQ1065WM/C-X	38	106.5	119.0	Φ19.05	Φ31.8	Φ38.1		39.3+49	40+50	24.9	325+385	340+400
GMV-VQ1130WM/C-X	40	111.9	125.5	Φ19.05	Φ31.8	Φ38.1		47+49	50+50	26.1	385+385	400+400
GMV-VQ1180WM/C-X	42	117.5	132.0	Φ19.05	Φ31.8	Φ38.1		48+49	50+50	26.1	385+385	400+400
GMV-VQ1235WM/C-X	44	123.0	138.0	Φ19.05	Φ31.8	Φ38.1		49+49	50+50	26.6	385+385	400+400
GMV-VQ1300WM/C-X	46	129.0	144.5	Φ19.05	Φ31.8	Φ38.1		23.5+39.3 +48	25+40+50	32.9	243+325+385	253+340+400
GMV-VQ1350WM/C-X	48	134.5	150.5	Φ19.05	Φ31.8	Φ38.1		23.5+39.3 +49	25+40+50	33.4	243+325+385	253+340+400
GMV-VQ1410WM/C-X	50	140.0	156.5	Φ19.05	Φ38.1	Φ41.3		24.1+39.3 +49	25+40+50	34.5	256+325+385	266+340+400
GMV-VQ1460WM/C-X	52	145.5	163.5	Φ19.05	Φ38.1	Φ41.3		23.5+48 +49	25+50+50	34.6	243+385+385	253+400+400
GMV-VQ1515WM/C-X	54	151.0	169.5	Φ19.05	Φ38.1	Φ41.3		23.5+49 +49	25+50+50	35.1	243+385+385	253+400+400
GMV-VQ1580WM/C-X	56	156.5	175.5	Φ19.05	Φ38.1	Φ41.3	380-415V 3N~50 /60Hz	24.1+49 +49	25+50+50	36.2	256+385+385	266+400+400
GMV-VQ1630WM/C-X	58	163.0	183.0	Φ19.05	Φ38.1	Φ41.3		37.5+49 +49	40+50+50	37.7	325+385+385	340+400+400
GMV-VQ1685WM/C-X	60	168.0	188.0	Φ19.05	Φ38.1	Φ41.3		39.3+49 +49	40+50+50	38.2	325+385+385	340+400+400
GMV-VQ1750WM/C-X	62	173.4	194.5	Φ19.05	Φ38.1	Φ41.3		47+49 +49	50+50+50	39.4	385+385+385	400+400+400
GMV-VQ1800WM/C-X	64	179.0	201.0	Φ19.05	Φ38.1	Φ41.3		48+49 +49	50+50+50	39.4	385+385+385	400+400+400
GMV-VQ1845WM/C-X	66	184.5	207.0	Φ19.05	Φ38.1	Φ41.3		49+49 +49	50+50+50	39.9	385+385+385	400+400+400
GMV-VQ1908WM/C-X	68	190.5	213.5	Φ22.2	Φ41.3	Φ44.5		23.5+39.3 +48+49	25+40+ 50+50	46.2	243+325+ 385+385	253+340+ 400+400
GMV-VQ1962WM/C-X	70	195.9	220.0	Φ22.2	Φ41.3	Φ44.5		23.5+47 +48+49	25+50+ 50+50	47.4	243+385+ 385+385	253+400+ 400+400
GMV-VQ2016WM/C-X	72	201.5	226.5	Φ22.2	Φ41.3	Φ44.5		23.5+48 +48+49	25+50+ 50+50	47.4	243+385+ 385+385	253+400+ 400+400
GMV-VQ2072WM/C-X	74	207.0	232.5	Φ22.2	Φ41.3	Φ44.5		23.5+48 +49+49	25+50+ 50+50	47.9	243+385+ 385+385	253+400+ 400+400
GMV-VQ2128WM/C-X	76	212.5	238.5	Φ22.2	Φ41.3	Φ44.5		23.5+49 +49+49	25+50+ 50+50	48.4	243+385+ 385+385	253+400+ 400+400
GMV-VQ2184WM/C-X	78	218.0	244.5	Φ22.2	Φ41.3	Φ44.5		24.1+49 +49+49	25+50+ 50+50	49.5	256+385+ 385+385	266+400+ 400+400
GMV-VQ2240WM/C-X	80	224.5	252.0	Φ22.2	Φ41.3	Φ44.5		37.5+49 +49+49	40+50+ 50+50	51	325+385+ 385+385	340+400+ 400+400
GMV-VQ2295WM/C-X	82	229.5	257.0	Φ22.2	Φ41.3	Φ44.5		39.3+49 +49+49	40+50+ 50+50	51.5	325+385+ 385+385	340+400+ 400+400
GMV-VQ2350WM/C-X	84	234.9	263.5	Φ22.2	Φ41.3	Φ44.5		47+49 +49+49	50+50+ 50+50	52.7	385+385+ 385+385	400+400+ 400+400
GMV-VQ2405WM/C-X	86	240.5	270.0	Φ22.2	Φ41.3	Φ44.5		48+49 +49+49	50+50+ 50+50	52.7	385+385+ 385+385	400+400+ 400+400
GMV-VQ2460WM/C-X	88	246.0	276.0	Φ22.2	Φ41.3	Φ44.5		49+49 +49+49	50+50+ 50+50	53.2	385+385+ 385+385	400+400+ 400+400

*The combination models of the outdoor units are not Eurovent certified.
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ODU Combination Specifications

GMV6 HR

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-X
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-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-VQ2070WM/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								●●●●

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

GMV X PRO

- 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



Key Features

Wide Capacity Range

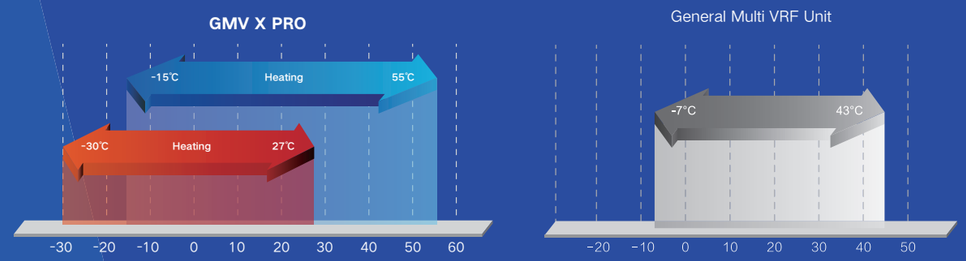
12 basic models with a capacity range of 8HP~30HP, support 4-module combination. The maximum combination is 120HP for wider cooling capacity range, and the adaptability of engineering capacity design is further improved.



8~12HP 14~24HP 26~30HP 120HP

Wide Operation Range

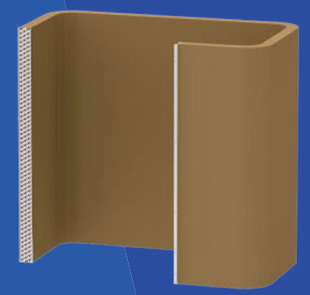
-30℃-55℃ stable operation to provide users with comfortable environment in both cold and hot weather, operating ambient temperature for cooling can be as low as -15℃.

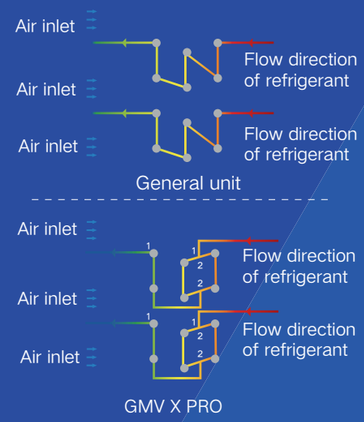


Note:
Cooling at -15~-5℃ is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5℃.

Super-large High-efficiency Heat Exchanger Design

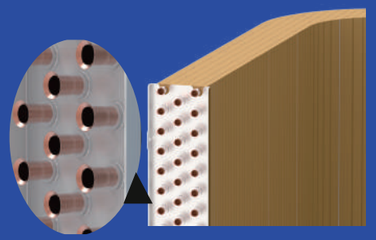
The advanced integrated molding process scheme is adopted. The length of the single heat exchanger is up to 3.6m, which improves the space utilization efficiency, the heat exchanger area and the heat exchange efficiency. The differential partition design of the flow path of the heat exchanger makes the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





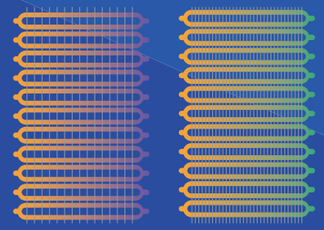
Multi-row Small Diameter Design

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

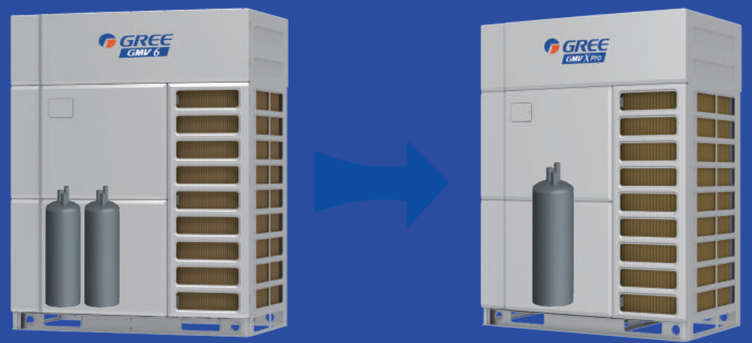
Small-spacing corrugated heat exchange fins with hydrophilicity is adopted, so that the overall heat exchange efficiency is higher and the corrosion resistance is stronger for easier defrosting.



Others GMV X PRO

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.



Others GMV X PRO

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.

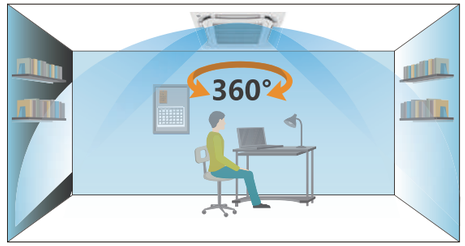


Others GMV X PRO

Comfortable and Healthy Experience

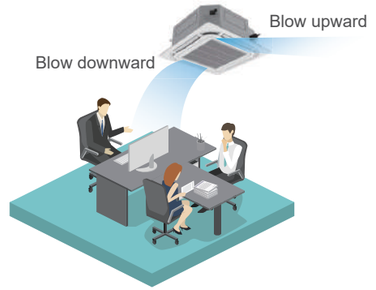
360° Surrounding Airflow

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.

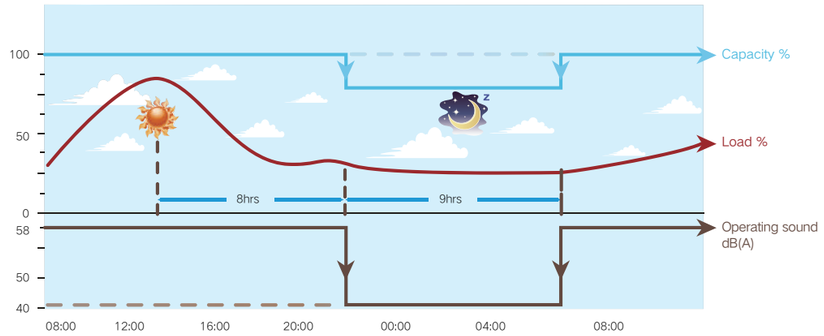


* This function needs to be used with wired controller XE70-33/H.

Noise Control Technology

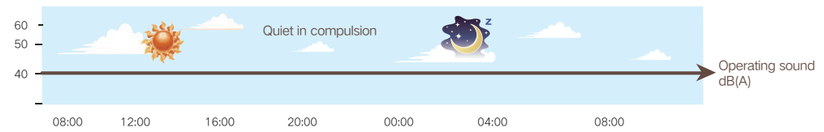
Quiet at Night

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 be operated 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).



Clean and Healthy Fresh Air

Fresh Air System

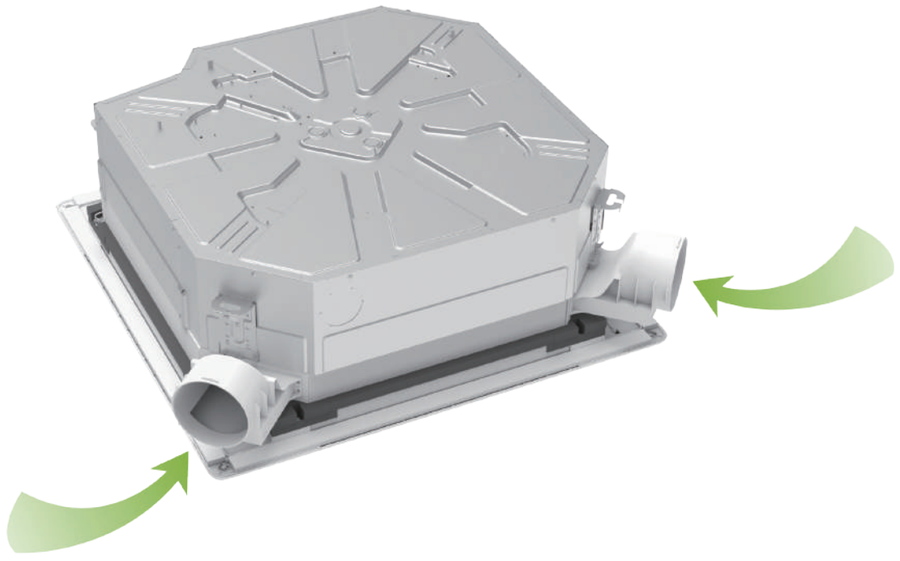
GMV X PRO can be matched with fresh air indoor unit and ERV system. Meanwhile, fresh air accessory, high-efficiency filter and other clean and healthy fresh air solutions are optional, to achieve dual functions of air conditioning and fresh air, and greatly improve the indoor air quality.

Fresh Air System satisfies multiple indoor fresh air supply demands.



Fresh Air Accessory

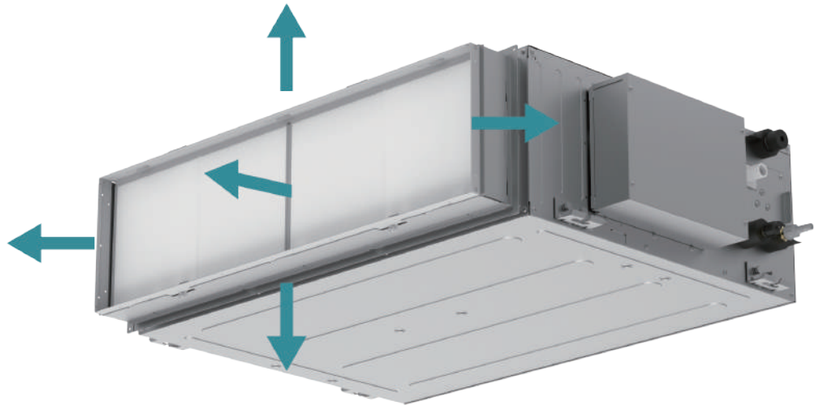
The Cassette type unit can be work with fresh air accessory to efficiently introduce 8%~10% of outdoor fresh air.



*Test condition: indoor 20/16℃ (68 ℉ /60.8 ℉).

High-efficiency Filter

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



ODU Specifications

GMVX Pro (Standard)

Model			GMV-224WM/X-X	GMV-280WM/X-X	GMV-335WM/X-X	GMV-400WM/X-X	GMV-450WM/X-X	GMV-504WM/X-X
Capacity range		HP	8	10	12	14	16	18
Cooling capacity	Rated *	kW	22.4	28.0	33.5	40.0	45.0	50.4
	Max.	kW	22.4	28.0	33.5	40.0	45.0	50.4
Heating capacity	Rated *	kW	22.4	28.0	33.5	40.0	45.0	50.4
	Max.	kW	25.0	31.5	37.5	45.0	50.0	56.5
SEER	Ducted *	-	7.49	7.21	7.15	7.36	7.27	7.10
	Cassette *	-	8.05	7.59	7.19	7.71	7.29	7.22
SCOP	Ducted *	-	4.62	4.60	4.57	4.55	4.76	4.66
	Cassette *	-	4.50	4.76	4.40	4.37	4.48	4.31
Power supply		V/Ph/Hz	380-415V 3N~ 50/60Hz					
Min. circuit/Max. Fuse current		A	27.0/32	27.5/32	28.0/32	38.0/40	38.5/40	38.5/40
Max.drive IDU NO.		unit	16	20	24	28	30	35
Refrigerant charge volume		kg	5.5	5.5	5.5	7.5	7.5	7.5
Airflow rate		m^3/h	9750	10500	11100	13500	15400	16000
Sound pressure level(Cooling)		dB(A)	56	57	58	59	60	61
Sound power level(Cooling)	Ducted *	dB(A)	78	79	82	81	82	85
	Cassette *	dB(A)	78	79	83	81	82	84
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9
	Gas	mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4	Φ28.6	Φ28.6
Dimension(W*D*H)	Outline	mm	930×775×1690	930×775×1690	930×775×1690	1340*775*1690	1340*775*1690	1340*775*1690
	Package	mm	1000×830×1855	1000×830×1855	1000×830×1855	1400*830*1855	1400*830*1855	1400*830*1855
Net weight/Gross weight		kg	210/220	210/220	210/220	285/300	285/300	285/300
Loading quantity	20' GP	set	12	12	12	10	10	10
	40' GP	set	28	28	28	22	22	22
	40' HQ	set	28	28	28	22	22	22

Model			GMV-560WM/X-X	GMV-615WM/X-X	GMV-680WM/X-X	GMV-730WM/X-X	GMV-785WM/X-X	GMV-850WM/X-X
Capacity range		HP	20	22	24	26	28	30
Cooling capacity	Rated *	kW	56.0	61.5	67.0	73.0	78.5	85.0
	Max.	kW	56.0	61.5	68.0	73.0	78.5	85.0
Heating capacity	Rated *	kW	56.0	61.5	67.0	73.0	78.5	85.0
	Max.	kW	63.0	69.0	76.5	82.5	87.5	95.0
SEER	Ducted *	-	6.87	6.72	6.45	6.60	6.48	6.40
	Cassette *	-	6.88	6.64	6.14	6.51	6.30	6.15
SCOP	Ducted *	-	4.26	4.38	4.20	4.15	4.17	4.28
	Cassette *	-	4.06	4.09	4.12	4.28	4.28	4.20
Power supply		V/Ph/Hz	380-415V 3N~ 50/60Hz					
Min. circuit/Max. Fuse current		A	39.3/40	46.1/50	49.0/50	57.2/63	57.2/63	57.2/63
Max.drive IDU NO.		unit	39	42	45	48	52	58
Refrigerant charge volume		kg	7.5	7.8	8.3	11	11	11
Airflow rate		m^3/h	16500	16500	18350	26000	26000	26000
Sound pressure level(Cooling)		dB(A)	62	63	64	66	66	66
Sound power level(Cooling)	Ducted *	dB(A)	88	88	90	90	90	90
	Cassette *	dB(A)	88	88	91	91	91	91
Connecting pipe	Liquid	mm	Φ15.9	Φ15.9	Φ15.9	Φ19.05	Φ19.05	Φ19.05
	Gas	mm	Φ28.6	Φ28.6	Φ28.6	Φ31.8	Φ31.8	Φ31.8
Dimension(W*D*H)	Outline	mm	1340*775*1690	1340*775*1690	1340*775*1690	1760*835*1795	1760*835*1795	1760*835*1795
	Package	mm	1400*830*1855	1400*830*1855	1400*830*1855	1828*913*1986	1828*913*1986	1828*913*1986
Net weight/Gross weight		kg	340/355	340/355	355/370	425/450	425/450	425/450
Loading quantity	20' GP	set	10	10	10	6	6	6
	40' GP	set	22	22	22	13	13	13
	40' HQ	set	22	22	22	13	13	13

*The data is Eurovent certified.
*The outline dimensions of the outdoor unit do not include the fan grille.
*GREE is committed to continuously improving our products to ensure the higher quality and reliability standards, and to meet local regulations and market requirements, specification, design and feature are subject to change without prior notice.

GMVX Pro (Anti-Corrosion)

Model			GMV-224WM/X1-X	GMV-280WM/X1-X	GMV-335WM/X1-X	GMV-400WM/X1-X	GMV-450WM/X1-X	GMV-504WM/X1-X
Capacity range		HP	8	10	12	14	16	18
Cooling capacity	Rated *	kW	22.4	28.0	33.5	40.0	45.0	50.4
	Max.	kW	22.4	28.0	33.5	40.0	45.0	50.4
Heating capacity	Rated *	kW	22.4	28.0	33.5	40.0	45.0	50.4
	Max.	kW	25.0	31.5	37.5	45.0	50.0	56.5
SEER	Ducted *	-	7.49	7.21	7.15	7.36	7.27	7.10
	Cassette *	-	8.05	7.59	7.19	7.71	7.29	7.22
SCOP	Ducted *	-	4.62	4.60	4.57	4.55	4.76	4.66
	Cassette *	-	4.50	4.76	4.40	4.37	4.48	4.31
Power supply		V/Ph/Hz	380-415V 3N~ 50/60Hz					
Min. circuit/Max. Fuse current		A	27.0/32	27.5/32	28.0/32	38.0/40	38.5/40	38.5/40
Max.drive IDU NO.		unit	16	20	24	28	30	35
Refrigerant charge volume		kg	5.5	5.5	5.5	7.5	7.5	7.5
Airflow rate		m^3/h	9750	10500	11100	13500	15400	16000
Sound pressure level(Cooling)		dB(A)	56	57	58	59	60	61
Sound power level(Cooling)	Ducted *	dB(A)	78	79	82	81	82	85
	Cassette *	dB(A)	78	79	83	81	82	84
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9
	Gas	mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4	Φ28.6	Φ28.6
Dimension(W*D*H)	Outline	mm	930×775×1690	930×775×1690	930×775×1690	1340*775*1690	1340*775*1690	1340*775*1690
	Package	mm	1000×830×1855	1000×830×1855	1000×830×1855	1400*830*1855	1400*830*1855	1400*830*1855
Net weight/Gross weight		kg	210/220	210/220	210/220	285/300	285/300	285/300
Loading quantity	20' GP	set	12	12	12	10	10	10
	40' GP	set	28	28	28	22	22	22
	40' HQ	set	28	28	28	22	22	22

Model			GMV-560WM/X1-X	GMV-615WM/X1-X	GMV-680WM/X1-X	GMV-730WM/X1-X	GMV-785WM/X1-X	GMV-850WM/X1-X
Capacity range		HP	20	22	24	26	28	30
Cooling capacity	Rated *	kW	56.0	61.5	67.0	73.0	78.5	85.0
	Max.	kW	56.0	61.5	68.0	73.0	78.5	85.0
Heating capacity	Rated *	kW	56.0	61.5	67.0	73.0	78.5	85.0
	Max.	kW	63.0	69.0	76.5	82.5	87.5	95.0
SEER	Ducted *	-	6.87	6.72	6.45	6.60	6.48	6.40
	Cassette *	-	6.88	6.64	6.14	6.51	6.30	6.15
SCOP	Ducted *	-	4.26	4.38	4.20	4.15	4.17	4.28
	Cassette *	-	4.06	4.09	4.12	4.28	4.28	4.20
Power supply		V/Ph/Hz	380-415V 3N~ 50/60Hz					
Min. circuit/Max. Fuse current		A	39.3/40	46.1/50	49.0/50	57.2/63	57.2/63	57.2/63
Max.drive IDU NO.		unit	39	42	45	48	52	58
Refrigerant charge volume		kg	7.5	7.8	8.3	11	11	11
Airflow rate		m^3/h	16500	16500	18350	26000	26000	26000
Sound pressure level(Cooling)		dB(A)	62	63	64	66	66	66
Sound power level(Cooling)	Ducted *	dB(A)	88	88	90	90	90	90
	Cassette *	dB(A)	88	88	91	91	91	91
Connecting pipe	Liquid	mm	Φ15.9	Φ15.9	Φ15.9	Φ19.05	Φ19.05	Φ19.05
	Gas	mm	Φ28.6	Φ28.6	Φ28.6	Φ31.8	Φ31.8	Φ31.8
Dimension(W*D*H)	Outline	mm	1340*775*1690	1340*775*1690	1340*775*1690	1760*835*1795	1760*835*1795	1760*835*1795
	Package	mm	1400*830*1855	1400*830*1855	1400*830*1855	1828*913*1986	1828*913*1986	1828*913*1986
Net weight/Gross weight		kg	340/355	340/355	355/370	425/450	425/450	425/450
Loading quantity	20' GP	set	10	10	10	6	6	6
	40' GP	set	22	22	22	13	13	13
	40' HQ	set	22	22	22	13	13	13

*The data is Eurovent certified.
*The outline dimensions of the outdoor unit do not include the fan grille.
*GREE is committed to continuously improving our products to ensure the higher quality and reliability standards, and to meet local regulations and market requirements, specification, design and feature are subject to change without prior notice.

ODU Combination Lineup

GMVX Pro (Standard)

HP	Model	GMV-224WM/X-X	GMV-280WM/X-X	GMV-335WM/X-X	GMV-400WM/X-X	GMV-450WM/X-X	GMV-504WM/X-X
8	GMV-224WM/X-X	◆					
10	GMV-280WM/X-X		◆				
12	GMV-335WM/X-X			◆			
14	GMV-400WM/X-X				◆		
16	GMV-450WM/X-X					◆	
18	GMV-504WM/X-X						◆
20	GMV-560WM/X-X						
22	GMV-615WM/X-X						
24	GMV-680WM/X-X						
26	GMV-730WM/X-X						
28	GMV-785WM/X-X						
30	GMV-850WM/X-X						
32	GMV-895WM/X-X			◆			
34	GMV-950WM/X-X			◆			
36	GMV-1008WM/X-X						◆◆
38	GMV-1064WM/X-X						◆
40	GMV-1130WM/X-X				◆		
42	GMV-1184WM/X-X						◆
44	GMV-1230WM/X-X						
46	GMV-1289WM/X-X						◆
48	GMV-1354WM/X-X						◆
50	GMV-1400WM/X-X						
52	GMV-1465WM/X-X						
54	GMV-1530WM/X-X						
56	GMV-1570WM/X-X						
58	GMV-1635WM/X-X						
60	GMV-1700WM/X-X						
62	GMV-1734WM/X-X						◆
64	GMV-1800WM/X-X			◆			
66	GMV-1858WM/X-X						◆◆
68	GMV-1904WM/X-X						◆
70	GMV-1969WM/X-X						◆
72	GMV-2034WM/X-X						◆
74	GMV-2084WM/X-X						◆
76	GMV-2139WM/X-X						◆
78	GMV-2204WM/X-X						◆
80	GMV-2250WM/X-X						
82	GMV-2315WM/X-X						
84	GMV-2380WM/X-X						
86	GMV-2420WM/X-X						
88	GMV-2485WM/X-X						
90	GMV-2550WM/X-X						
92	GMV-2585WM/X-X			◆			
94	GMV-2643WM/X-X						◆◆
96	GMV-2708WM/X-X						◆◆
98	GMV-2764WM/X-X						◆
100	GMV-2819WM/X-X						◆
102	GMV-2884WM/X-X						◆
104	GMV-2924WM/X-X						◆
106	GMV-2989WM/X-X						◆
108	GMV-3054WM/X-X						◆
110	GMV-3100WM/X-X						
112	GMV-3165WM/X-X						
114	GMV-3230WM/X-X						
116	GMV-3270WM/X-X						
118	GMV-3335WM/X-X						
120	GMV-3400WM/X-X						

HP	Model	GMV-560WM/X-X	GMV-615WM/X-X	GMV-680WM/X-X	GMV-730WM/X-X	GMV-785WM/X-X	GMV-850WM/X-X
8	GMV-224WM/X-X						
10	GMV-280WM/X-X						
12	GMV-335WM/X-X						
14	GMV-400WM/X-X						
16	GMV-450WM/X-X						
18	GMV-504WM/X-X						
20	GMV-560WM/X-X	◆					
22	GMV-615WM/X-X		◆				
24	GMV-680WM/X-X			◆			
26	GMV-730WM/X-X				◆		
28	GMV-785WM/X-X					◆	
30	GMV-850WM/X-X						◆
32	GMV-895WM/X-X	◆					
34	GMV-950WM/X-X		◆				
36	GMV-1008WM/X-X						
38	GMV-1064WM/X-X	◆					
40	GMV-1130WM/X-X				◆		
42	GMV-1184WM/X-X			◆			
44	GMV-1230WM/X-X		◆◆				
46	GMV-1289WM/X-X					◆	
48	GMV-1354WM/X-X						◆
50	GMV-1400WM/X-X		◆			◆	
52	GMV-1465WM/X-X		◆				◆
54	GMV-1530WM/X-X			◆			◆
56	GMV-1570WM/X-X					◆◆	
58	GMV-1635WM/X-X					◆	◆
60	GMV-1700WM/X-X						◆◆
62	GMV-1734WM/X-X		◆◆				
64	GMV-1800WM/X-X		◆				◆
66	GMV-1858WM/X-X						◆
68	GMV-1904WM/X-X		◆			◆	
70	GMV-1969WM/X-X		◆				◆
72	GMV-2034WM/X-X			◆			◆
74	GMV-2084WM/X-X				◆		◆
76	GMV-2139WM/X-X					◆	◆
78	GMV-2204WM/X-X						◆◆
80	GMV-2250WM/X-X		◆			◆	◆
82	GMV-2315WM/X-X		◆				◆◆
84	GMV-2380WM/X-X			◆			◆◆
86	GMV-2420WM/X-X					◆◆	◆
88	GMV-2485WM/X-X					◆	◆◆
90	GMV-2550WM/X-X						◆◆◆
92	GMV-2585WM/X-X		◆			◆	◆
94	GMV-2643WM/X-X					◆	◆
96	GMV-2708WM/X-X						◆◆
98	GMV-2764WM/X-X	◆					◆◆
100	GMV-2819WM/X-X		◆				◆◆
102	GMV-2884WM/X-X			◆			◆◆
104	GMV-2924WM/X-X					◆◆	◆
106	GMV-2989WM/X-X					◆	◆◆
108	GMV-3054WM/X-X						◆◆◆
110	GMV-3100WM/X-X		◆			◆	◆◆
112	GMV-3165WM/X-X		◆				◆◆◆
114	GMV-3230WM/X-X			◆			◆◆◆
116	GMV-3270WM/X-X					◆◆	◆◆
118	GMV-3335WM/X-X					◆	◆◆◆
120	GMV-3400WM/X-X						◆◆◆◆

ODU Combination Lineup

GMVX Pro (Anti-Corrosion)

HP	Mode / Model	CMV-224WM/X1-X	GMV-280WM/X1-X	CMV-335WWX1-X	GMV-400WM/X1-X	GMV-450WM/X1-X	GMV-504WM/X1-X
8	GMV-224WM/X1-X	◆					
10	GMV-280WM/X1-X		◆				
12	GMV-335WM/X1-X			◆			
14	GMV-400WM/X1-X				◆		
16	GMV-450WM/X1-X					◆	
18	GMV-504WM/X1-X						◆
20	GMV-560WM/X1-X						
22	GMV-615WM/X1-X						
24	GMV-680WM/X1-X						
26	GMV-730WM/X1-X						
28	GMV-785WM/X1-X						
30	GMV-850WM/X1-X						
32	GMV-895WM/X1-X			◆			
34	GMV-950WM/X1-X			◆			
36	GMV-1008WM/X1-X						◆◆
38	GMV-1064WM/X1-X						◆
40	GMV-1130WM/X1-X				◆		
42	GMV-1184WM/X1-X						◆
44	GMV-1230WM/X1-X						
46	GMV-1289WM/X1-X						◆
48	GMV-1354WM/X1-X						◆
50	GMV-1400WM/X1-X						
52	GMV-1465WM/X1-X						
54	GMV-1530WM/X1-X						
56	GMV-1570WM/X1-X						
58	GMV-1635WM/X1-X						
60	GMV-1700WM/X1-X						
62	GMV-1734WM/X1-X						◆
64	GMV-1800WM/X1-X			◆			
66	GMV-1858WM/X1-X						◆◆
68	GMV-1904WM/X1-X						◆
70	GMV-1969WM/X1-X						◆
72	GMV-2034WM/X1-X						◆
74	GMV-2084WM/X1-X						◆
76	GMV-2139WM/X1-X						◆
78	GMV-2204WM/X1-X						◆
80	GMV-2250WM/X1-X						
82	GMV-2315WM/X1-X						
84	GMV-2380WM/X1-X	◆					
86	GMV-2420WM/X1-X						
88	GMV-2485WM/X1-X						
90	GMV-2550WM/X1-X						
92	GMV-2585WM/X1-X			◆			
94	GMV-2643WM/X1-X						◆◆
96	GMV-2708WM/X1-X						◆◆
98	GMV-2764WM/X1-X						◆
100	GMV-2819WM/X1-X						◆
102	GMV-2884WM/X1-X						◆
104	GMV-2924WM/X1-X						◆
106	GMV-2989WM/X1-X						◆
108	GMV-3054WM/X1-X						◆
110	GMV-3100WM/X1-X						
112	GMV-3165WM/X1-X						
114	GMV-3230WM/X1-X						
116	GMV-3270WM/X1-X						
118	GMV-3335WM/X1-X						
120	GMV-3400WM/X1-X						

HP	Model	GMV-560WM/X1-X	GMV-615WM/X1-X	GMV-680WM/X1-X	CMV730WM/X1-X	CMV-785WX1-X	GMV-850WM/X1-X
8	GMV-224WM/X1-X						
10	GMV-280WM/X1-X						
12	GMV-335WM/X1-X						
14	GMV-400WM/X1-X						
16	GMV-450WM/X1-X						
18	GMV-504WM/X1-X						
20	GMV-560WM/X1-X	◆					
22	GMV-615WM/X1-X		◆				
24	GMV-680WM/X1-X			◆			
26	GMV-730WM/X1-X				◆		
28	GMV-785WM/X1-X					◆	
30	GMV-850WM/X1-X						◆
32	GMV-895WM/X1-X	◆					
34	GMV-950WM/X1-X		◆				
36	GMV-1008WM/X1-X						
38	GMV-1064WM/X1-X	◆					
40	GMV-1130WM/X1-X				◆		
42	GMV-1184WM/X1-X			◆			
44	GMV-1230WM/X1-X		◆◆				
46	GMV-1289WM/X1-X					◆	
48	GMV-1354WM/X1-X						◆
50	GMV-1400WM/X1-X		◆			◆	
52	GMV-1465WM/X1-X		◆				◆
54	GMV-1530WM/X1-X			◆			◆
56	GMV-1570WM/X1-X					◆◆	
58	GMV-1635WM/X1-X					◆	◆
60	GMV-1700WM/X1-X						◆◆
62	GMV-1734WM/X1-X		◆◆				
64	GMV-1800WM/X1-X		◆				◆
66	GMV-1858WM/X1-X						◆
68	GMV-1904WM/X1-X		◆			◆	
70	GMV-1969WM/X1-X		◆				◆
72	GMV-2034WM/X1-X			◆			◆
74	GMV-2084WM/X1-X				◆		◆
76	GMV-2139WM/X1-X					◆	◆
78	GMV-2204WM/X1-X						◆◆
80	GMV-2250WM/X1-X		◆			◆	◆
82	GMV-2315WM/X1-X		◆				◆◆
84	GMV-2380WM/X1-X			◆			◆◆
86	GMV-2420WM/X1-X					◆◆	◆
88	GMV-2485WM/X1-X					◆	◆◆
90	GMV-2550WM/X1-X						◆◆◆
92	GMV-2585WM/X1-X		◆			◆	◆
94	GMV-2643WM/X1-X					◆	◆
96	GMV-2708WM/X1-X						◆◆
98	GMV-2764WM/X1-X	◆					◆◆
100	GMV-2819WM/X1-X		◆				◆◆
102	GMV-2884WM/X1-X			◆			◆◆
104	GMV-2924WM/X1-X					◆◆	◆
106	GMV-2989WM/X1-X					◆	◆◆
108	GMV-3054WM/X1-X						◆◆◆
110	GMV-3100WM/X1-X		◆			◆	◆◆
112	GMV-3165WM/X1-X		◆				◆◆◆
114	GMV-3230WM/X1-X			◆			◆◆◆
116	GMV-3270WM/X1-X					◆◆	◆◆
118	GMV-3335WM/X1-X					◆	◆◆◆
120	GMV-3400WM/X1-X						◆◆◆◆

ODU Specifications

GMVX Pro (Standard)

HP	Model	Power Supply	Capacity		Dimension (W × D × H)	Airflow Volume	Connecting pipe		Min.circuit current	Max.fuse current	Net weight
			Cooling	Heating			Liquid	Gas			
			kW	kW	mm	m^3/h	mm	mm	A	A	kg
32	GMV-895WM/X-X	380-415V 3N~ 50/60Hz	89.5	100.5	930 × 775 × 1690+1340 × 775 × 1690	11100+16500	Φ19.05	Φ31.8	28.0+39.3	32+40	210+340
34	GMV-950WM/X-X		95.0	106.5	930 × 775 × 1690+1340 × 775 × 1690	11100+16500	Φ19.05	Φ31.8	28.0+46.1	32+50	210+340
36	GMV-1008WM/X-X		100.8	113.0	1340 × 775 × 1690+1340 × 775 × 1690	16000+16000	Φ19.05	Φ38.1	38.5+38.5	40+40	285+285
38	GMV-1064WM/X-X		106.4	119.5	1340 × 775 × 1690+1340 × 775 × 1690	16000+16500	Φ19.05	Φ38.1	38.5+39.3	40+40	285+340
40	GMV-1130WM/X-X		113.0	127.5	1340 × 775 × 1690+1760 × 835 × 1795	13500+26000	Φ19.05	Φ38.1	38.0+57.2	40+63	285+425
42	GMV-1184WM/X-X		118.4	133.0	1340 × 775 × 1690+1340 × 775 × 1690	16000+18350	Φ19.05	Φ38.1	38.5+49.0	40+50	285+355
44	GMV-1230WM/X-X		123.0	138.0	1340 × 775 × 1690+1340 × 775 × 1690	16500+16500	Φ19.05	Φ38.1	46.1+46.1	50+50	340+340
46	GMV-1289WM/X-X		128.9	144.0	1340 × 775 × 1690+1760 × 835 × 1795	16000+26000	Φ19.05	Φ38.1	38.5+57.2	40+63	285+425
48	GMV-1354WM/X-X		135.4	151.5	1340 × 775 × 1690+1760 × 835 × 1795	16000+26000	Φ19.05	Φ38.1	38.5+57.2	40+63	285+425
50	GMV-1400WM/X-X		140.0	156.5	1340 × 775 × 1690+1760 × 835 × 1795	16500+26000	Φ19.05	Φ41.3	46.1+57.2	50+63	340+425
52	GMV-1465WM/X-X		146.5	164.0	1340 × 775 × 1690+1760 × 835 × 1795	16500+26000	Φ19.05	Φ41.3	46.1+57.2	50+63	340+425
54	GMV-1530WM/X-X		153.0	171.5	1340 × 775 × 1690+1760 × 835 × 1795	18350+26000	Φ19.05	Φ41.3	49.0+57.2	50+63	355+425
56	GMV-1570WM/X-X		157.0	175.0	1760 × 835 × 1795+1760 × 835 × 1795	26000+26000	Φ19.05	Φ41.3	57.2+57.2	63+63	425+425
58	GMV-1635WM/X-X		163.5	182.5	1760 × 835 × 1795+1760 × 835 × 1795	26000+26000	Φ19.05	Φ41.3	57.2+57.2	63+63	425+425
60	GMV-1700WM/X-X		170.0	190.0	1760 × 835 × 1795+1760 × 835 × 1795	26000+26000	Φ19.05	Φ41.3	57.2+57.2	63+63	425+425
62	GMV-1734WM/X-X		173.4	194.5	1340 × 775 × 1690+1340 × 775 × 1690+1340 × 775 × 1690	16000+16500 +16500	Φ19.05	Φ41.3	38.5+46.1 +46.1	40+50+50	285+340 +340
64	GMV-1800WM/X-X		180.0	201.5	930 × 775 × 1690+1340 × 775 × 1690+1760 × 835 × 1795	11100+16500 +26000	Φ19.05	Φ41.3	28.0+46.1 +57.2	32+50+63	210+340 +425
66	GMV-1858WM/X-X		185.8	208.0	1340 × 775 × 1690+1340 × 775 × 1690+1760 × 835 × 1795	16000+16000 +26000	Φ19.05	Φ41.3	38.5+38.5 +57.2	40+40+63	285+285 +425
68	GMV-1904WM/X-X		190.4	213.0	1340 × 775 × 1690+1340 × 775 × 1690+1760 × 835 × 1795	16000+16500 +26000	Φ22.2	Φ44.5	38.5+46.1 +57.2	40+50+63	285+340 +425
70	GMV-1969WM/X-X		196.9	220.5	1340 × 775 × 1690+1340 × 775 × 1690+1760 × 835 × 1795	16000+16500 +26000	Φ22.2	Φ44.5	38.5+46.1 +57.2	40+50+63	285+340 +425
72	GMV-2034WM/X-X		203.4	228.0	1340 × 775 × 1690+1340 × 775 × 1690+1760 × 835 × 1795	16000+18350 +26000	Φ22.2	Φ44.5	38.5+49.0 +57.2	40+50+63	285+355 +425
74	GMV-2084WM/X-X		208.4	234.0	1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795	16000+26000 +26000	Φ22.2	Φ44.5	38.5+57.2 +57.2	40+63+63	285+425 +425
76	GMV-2139WM/X-X		213.9	239.0	1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795	16000+26000 +26000	Φ22.2	Φ44.5	38.5+57.2 +57.2	40+63+63	285+425 +425
78	GMV-2204WM/X-X		220.4	246.5	1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795	16000+26000 +26000	Φ22.2	Φ44.5	38.5+57.2 +57.2	40+63+63	285+425 +425

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HP	Model	Power Supply	Capacity		Dimension (W × D × H)	Airflow Volume	Connecting pipe		Min.circuit current	Max.fuse current	Net weight
			Cooling	Heating			Liquid	Gas			
			kW	kW	mm	m^3/h	mm	mm	A	A	kg
80	GMV-2250WM/X-X	380-415V 3N~ 50/60Hz	225.0	251.5	1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795	16500+26000 +26000	Φ22.2	Φ44.5	46.1+57.2 +57.2	50+63+63	340+425 +425
82	GMV-2315WM/X-X		231.5	259.0	1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795	16500+26000 +26000	Φ22.2	Φ44.5	46.1+57.2 +57.2	50+63+63	340+425 +425
84	GMV-2380WM/X-X		238.0	266.5	1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795	18350+26000 +26000	Φ22.2	Φ44.5	49.0+57.2 +57.2	50+63+63	355+425 +425
86	GMV-2420WM/X-X		242.0	270.0	1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795	26000+26000 +26000	Φ22.2	Φ44.5	57.2+57.2 +57.2	63+63+63	425+425 +425
88	GMV-2485WM/X-X		248.5	277.5	1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795	26000+26000 +26000	Φ22.2	Φ44.5	57.2+57.2 +57.2	63+63+63	425+425 +425
90	GMV-2550WM/X-X		255.0	285.0	1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795	26000+26000 +26000	Φ22.2	Φ44.5	57.2+57.2 +57.2	63+63+63	425+425 +425
92	GMV-2585WM/X-X		258.5	289.0	930 × 775 × 1690+1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795	11100+16500 +26000+26000	Φ22.2	Φ44.5	28.0+46.1 +57.2+57.2	32+50 +63+63	210+340 +425+425
94	GMV-2643WM/X-X		264.3	295.5	1340 × 775 × 1690+1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795	16000+16000 +26000+26000	Φ22.2	Φ44.5	38.5+38.5 +57.2+57.2	40+40 +63+63	285+285 +425+425
96	GMV-2708WM/X-X		270.8	303.0	1340 × 775 × 1690+1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795	16000+16000 +26000+26000	Φ22.2	Φ44.5	38.5+38.5 +57.2+57.2	40+40 +63+63	285+285 +425+425
98	GMV-2764WM/X-X		276.4	309.5	1340 × 775 × 1690+1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795	16000+16500 +26000+26000	Φ25.4	Φ51.4	38.5+39.3 +57.2+57.2	40+40 +63+63	285+340 +425+425
100	GMV-2819WM/X-X		281.9	315.5	1340 × 775 × 1690+1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795	16000+16500 +26000+26000	Φ25.4	Φ51.4	38.5+46.1 +57.2+57.2	40+50 +63+63	285+340 +425+425
102	GMV-2884WM/X-X		288.4	323.0	1340 × 775 × 1690+1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795	16000+18350 +26000+26000	Φ25.4	Φ51.4	38.5+49.0 +57.2+57.2	40+50 +63+63	285+355 +425+425
104	GMV-2924WM/X-X		292.4	326.5	1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795	16000+26000 +26000+26000	Φ25.4	Φ51.4	38.5+57.2 +57.2+57.2	40+63 +63+63	285+425 +425+425
106	GMV-2989WM/X-X		298.9	334.0	1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795	16000+26000 +26000+26000	Φ25.4	Φ51.4	38.5+57.2 +57.2+57.2	40+63 +63+63	285+425 +425+425
108	GMV-3054WM/X-X		305.4	341.5	1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795	16000+26000 +26000+26000	Φ25.4	Φ51.4	38.5+57.2 +57.2+57.2	40+63 +63+63	285+425 +425+425
110	GMV-3100WM/X-X		310.0	346.5	1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795	16500+26000 +26000+26000	Φ25.4	Φ51.4	46.1+57.2 +57.2+57.2	50+63 +63+63	340+425 +425+425
112	GMV-3165WM/X-X		316.5	354.0	1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795	16500+26000 +26000+26000	Φ25.4	Φ51.4	46.1+57.2 +57.2+57.2	50+63 +63+63	340+425 +425+425
114	GMV-3230WM/X-X		323.0	361.5	1340 × 775 × 1690+1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795	18350+26000 +26000+26000	Φ25.4	Φ51.4	49.0+57.2 +57.2+57.2	50+63 +63+63	355+425 +425+425
116	GMV-3270WM/X-X		327.0	365.0	1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795	26000+26000 +26000+26000	Φ25.4	Φ51.4	57.2+57.2 +57.2+57.2	63+63 +63+63	425+425 +425+425
118	GMV-3335WM/X-X		333.5	372.5	1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795	26000+26000 +26000+26000	Φ25.4	Φ51.4	57.2+57.2 +57.2+57.2	63+63 +63+63	425+425 +425+425
120	GMV-3400WM/X-X		340.0	380.0	1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795+1760 × 835 × 1795	26000+26000 +26000+26000	Φ25.4	Φ51.4	57.2+57.2 +57.2+57.2	63+63 +63+63	425+425 +425+425

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ODU Specifications

GMVX Pro (Anti-Corrosion)

HP	Model	Power Supply	Capacity		Dimension (W × D × H)	Airflow Volume	Connecting pipe		Min.circuit current	Max.fuse current	Net weight
			Cooling	Heating			Liquid	Gas			
			kW	kW	mm	m^3/h	mm	mm	A	A	kg
32	GMV-895WM/X1-X	380-415V 3N~ 50/60Hz	89.5	100.5	930×775×1690+1340×775×1690	11100+16500	Φ19.05	Φ31.8	28.0+39.3	32+40	210+340
34	GMV-950WM/X1-X		95.0	106.5	930×775×1690+1340×775×1690	11100+16500	Φ19.05	Φ31.8	28.0+46.1	32+50	210+340
36	GMV-1008WM/X1-X		100.8	113.0	1340×775×1690+1340×775×1690	16000+16000	Φ19.05	Φ38.1	38.5+38.5	40+40	285+285
38	GMV-1064WM/X1-X		106.4	119.5	1340×775×1690+1340×775×1690	16000+16500	Φ19.05	Φ38.1	38.5+39.3	40+40	285+340
40	GMV-1130WM/X1-X		113.0	127.5	1340×775×1690+1760×835×1795	13500+26000	Φ19.05	Φ38.1	38.0+57.2	40+63	285+425
42	GMV-1184WM/X1-X		118.4	133.0	1340×775×1690+1340×775×1690	16000+18350	Φ19.05	Φ38.1	38.5+49.0	40+50	285+355
44	GMV-1230WM/X1-X		123.0	138.0	1340×775×1690+1340×775×1690	16500+16500	Φ19.05	Φ38.1	46.1+46.1	50+50	340+340
46	GMV-1289WM/X1-X		128.9	144.0	1340×775×1690+1760×835×1795	16000+26000	Φ19.05	Φ38.1	38.5+57.2	40+63	285+425
48	GMV-1354WM/X1-X		135.4	151.5	1340×775×1690+1760×835×1795	16000+26000	Φ19.05	Φ38.1	38.5+57.2	40+63	285+425
50	GMV-1400WM/X1-X		140.0	156.5	1340×775×1690+1760×835×1795	16500+26000	Φ19.05	Φ41.3	46.1+57.2	50+63	340+425
52	GMV-1465WM/X1-X		146.5	164.0	1340×775×1690+1760×835×1795	16500+26000	Φ19.05	Φ41.3	46.1+57.2	50+63	340+425
54	GMV-1530WM/X1-X		153.0	171.5	1340×775×1690+1760×835×1795	18350+26000	Φ19.05	Φ41.3	49.0+57.2	50+63	355+425
56	GMV-1570WM/X1-X		157.0	175.0	1760×835×1795+1760×835×1795	26000+26000	Φ19.05	Φ41.3	57.2+57.2	63+63	425+425
58	GMV-1635WM/X1-X		163.5	182.5	1760×835×1795+1760×835×1795	26000+26000	Φ19.05	Φ41.3	57.2+57.2	63+63	425+425
60	GMV-1700WM/X1-X		170.0	190.0	1760×835×1795+1760×835×1795	26000+26000	Φ19.05	Φ41.3	57.2+57.2	63+63	425+425
62	GMV-1734WM/X1-X		173.4	194.5	1340×775×1690+1340×775×1690+1340×775×1690	16000+16500+16500	Φ19.05	Φ41.3	38.5+46.1+46.1	40+50+50	285+340+340
64	GMV-1800WM/X1-X		180.0	201.5	930×775×1690+1340×775×1690+1760×835×1795	11100+16500+26000	Φ19.05	Φ41.3	28.0+46.1+57.2	32+50+63	210+340+425
66	GMV-1858WM/X1-X		185.8	208.0	1340×775×1690+1340×775×1690+1760×835×1795	16000+16000+26000	Φ19.05	Φ41.3	38.5+38.5+57.2	40+40+63	285+285+425
68	GMV-1904WM/X1-X		190.4	213.0	1340×775×1690+1340×775×1690+1760×835×1795	16000+16500+26000	Φ22.2	Φ44.5	38.5+46.1+57.2	40+50+63	285+340+425
70	GMV-1969WM/X1-X		196.9	220.5	1340×775×1690+1340×775×1690+1760×835×1795	16000+16500+26000	Φ22.2	Φ44.5	38.5+46.1+57.2	40+50+63	285+340+425
72	GMV-2034WM/X1-X		203.4	228.0	1340×775×1690+1340×775×1690+1760×835×1795	16000+18350+26000	Φ22.2	Φ44.5	38.5+49.0+57.2	40+50+63	285+355+425
74	GMV-2084WM/X1-X		208.4	234.0	1340×775×1690+1760×835×1795+1760×835×1795	16000+26000+26000	Φ22.2	Φ44.5	38.5+57.2+57.2	40+63+63	285+425+425
76	GMV-2139WM/X1-X		213.9	239.0	1340×775×1690+1760×835×1795+1760×835×1795	16000+26000+26000	Φ22.2	Φ44.5	38.5+57.2+57.2	40+63+63	285+425+425
78	GMV-2204WM/X1-X		220.4	246.5	1340×775×1690+1760×835×1795+1760×835×1795	16000+26000+26000	Φ22.2	Φ44.5	38.5+57.2+57.2	40+63+63	285+425+425

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HP	Model	Power Supply	Capacity		Dimension (W × D × H)	Airflow Volume	Connecting pipe		Min.circuit current	Max.fuse current	Net weight
			Cooling	Heating			Liquid	Gas			
			kW	kW	mm	m^3/h	mm	mm	A	A	kg
80	GMV-2250WM/X1-X	380-415V 3N~ 50/60Hz	225.0	251.5	1340×775×1690+1760×835×1795+1760×835×1795	16500+26000+26000	Φ22.2	Φ44.5	46.1+57.2+57.2	50+63+63	340+425+425
82	GMV-2315WM/X1-X		231.5	259.0	1340×775×1690+1760×835×1795+1760×835×1795	16500+26000+26000	Φ22.2	Φ44.5	46.1+57.2+57.2	50+63+63	340+425+425
84	GMV-2380WM/X1-X		238.0	266.5	1340×775×1690+1760×835×1795+1760×835×1795	18350+26000+26000	Φ22.2	Φ44.5	49.0+57.2+57.2	50+63+63	355+425+425
86	GMV-2420WM/X1-X		242.0	270.0	1760×835×1795+1760×835×1795+1760×835×1795	26000+26000+26000	Φ22.2	Φ44.5	57.2+57.2+57.2	63+63+63	425+425+425
88	GMV-2485WM/X1-X		248.5	277.5	1760×835×1795+1760×835×1795+1760×835×1795	26000+26000+26000	Φ22.2	Φ44.5	57.2+57.2+57.2	63+63+63	425+425+425
90	GMV-2550WM/X1-X		255.0	285.0	1760×835×1795+1760×835×1795+1760×835×1795	26000+26000+26000	Φ22.2	Φ44.5	57.2+57.2+57.2	63+63+63	425+425+425
92	GMV-2585WM/X1-X		258.5	289.0	930×775×1690+1340×775×1690+1760×835×1795+1760×835×1795	11100+16500+26000+26000	Φ22.2	Φ44.5	28.0+46.1+57.2+57.2	32+50+63+63	210+340+425+425
94	GMV-2643WM/X1-X		264.3	295.5	1340×775×1690+1340×775×1690+1760×835×1795+1760×835×1795	16000+16000+26000+26000	Φ22.2	Φ44.5	38.5+38.5+57.2+57.2	40+40+63+63	285+285+425+425
96	GMV-2708WM/X1-X		270.8	303.0	1340×775×1690+1340×775×1690+1760×835×1795+1760×835×1795	16000+16000+26000+26000	Φ22.2	Φ44.5	38.5+38.5+57.2+57.2	40+40+63+63	285+285+425+425
98	GMV-2764WM/X1-X		276.4	309.5	1340×775×1690+1340×775×1690+1760×835×1795+1760×835×1795	16000+16500+26000+26000	Φ25.4	Φ51.4	38.5+39.3+57.2+57.2	40+40+63+63	285+340+425+425
100	GMV-2819WM/X1-X		281.9	315.5	1340×775×1690+1340×775×1690+1760×835×1795+1760×835×1795	16000+16500+26000+26000	Φ25.4	Φ51.4	38.5+46.1+57.2+57.2	40+50+63+63	285+340+425+425
102	GMV-2884WM/X1-X		288.4	323.0	1340×775×1690+1340×775×1690+1760×835×1795+1760×835×1795	16000+18350+26000+26000	Φ25.4	Φ51.4	38.5+49.0+57.2+57.2	40+50+63+63	285+355+425+425
104	GMV-2924WM/X1-X		292.4	326.5	1340×775×1690+1760×835×1795+1760×835×1795+1760×835×1795	16000+26000+26000+26000	Φ25.4	Φ51.4	38.5+57.2+57.2+57.2	40+63+63+63	285+425+425+425
106	GMV-2989WM/X1-X		298.9	334.0	1340×775×1690+1760×835×1795+1760×835×1795+1760×835×1795	16000+26000+26000	Φ25.4	Φ51.4	38.5+57.2+57.2+57.2	40+63+63+63	285+425+425+425
108	GMV-3054WM/X1-X		305.4	341.5	1340×775×1690+1760×835×1795+1760×835×1795+1760×835×1795	16000+26000+26000+26000	Φ25.4	Φ51.4	38.5+57.2+57.2+57.2	40+63+63+63	285+425+425+425
110	GMV-3100WM/X1-X		310.0	346.5	1340×775×1690+1760×835×1795+1760×835×1795+1760×835×1795	16500+26000+26000+26000	Φ25.4	Φ51.4	46.1+57.2+57.2+57.2	50+63+63+63	340+425+425+425
112	GMV-3165WM/X1-X		316.5	354.0	1340×775×1690+1760×835×1795+1760×835×1795+1760×835×1795	16500+26000+26000+26000	Φ25.4	Φ51.4	46.1+57.2+57.2+57.2	50+63+63+63	340+425+425+425
114	GMV-3230WM/X1-X		323.0	361.5	1340×775×1690+1760×835×1795+1760×835×1795+1760×835×1795	18350+26000+26000+26000	Φ25.4	Φ51.4	49.0+57.2+57.2+57.2	50+63+63+63	355+425+425+425
116	GMV-3270WM/X1-X		327.0	365.0	1760×835×1795+1760×835×1795+1760×835×1795+1760×835×1795	26000+26000+26000	Φ25.4	Φ51.4	57.2+57.2+57.2+57.2	63+63+63+63	425+425+425+425
118	GMV-3335WM/X1-X		333.5	372.5	1760×835×1795+1760×835×1795+1760×835×1795+1760×835×1795	26000+26000+26000	Φ25.4	Φ51.4	57.2+57.2+57.2+57.2	63+63+63+63	425+425+425+425
120	GMV-3400WM/X1-X		340.0	380.0	1760×835×1795+1760×835×1795+1760×835×1795+1760×835×1795	26000+26000+26000+26000	Φ25.4	Φ51.4	57.2+57.2+57.2+57.2	63+63+63+63	425+425+425+425

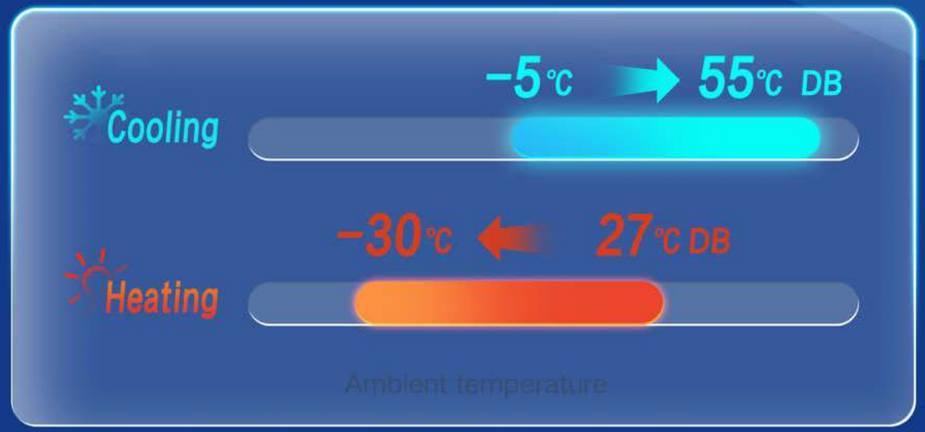
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GMV9 FLEX



ULTRA PERFORMANCE PRO

All Climate Operation



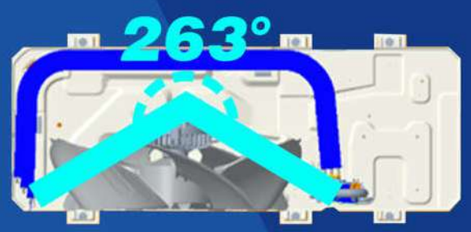
Wide Voltage Operation

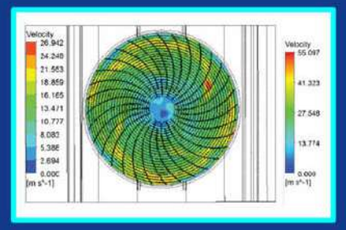
Stable operation is maintained within a wide voltage range of **320V to 460V**, ensuring reliability in fluctuating power conditions.



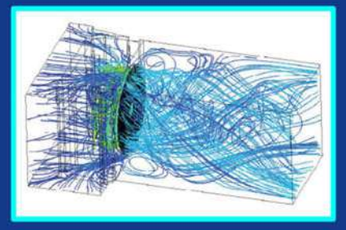
Ultra-wide angle air return design

The outdoor unit features an industry-leading 263° wide-angle air return design, delivering a maximum airflow capacity of 19500m³/h. This ultra-high airflow volume significantly enhances heat exchange efficiency for superior performance.





Air outlet temp. contour map



Wind field streamline plot

Powerful low ambient startup

With a high-efficiency EVI compressor, the system leverages pressure and temperature differentials during low-temperature startup to rapidly shift refrigerant, enhancing circulation and

increasing initial heating capacity by **15%**



FLEXIBLE INSTALLATION

Extensive Piping

Total piping length of 560m

Height difference between IDUs and ODUs is up to 50m (up to 40m when ODUs is located at lower position)



High ESP Design

ESP up to 80Pa* allows concealed installation, ideal for tight spaces or locations where airflow direction needs to be optimized.



*Factory default ESP is set to 40Pa, customizable to 80Pa upon request.

Compact Design

- Depth: 460mm; footprint: 0.58 m²
- Easy transportation: compatible with elevator transport.
- Multiple piping directions: enables flexible installation.



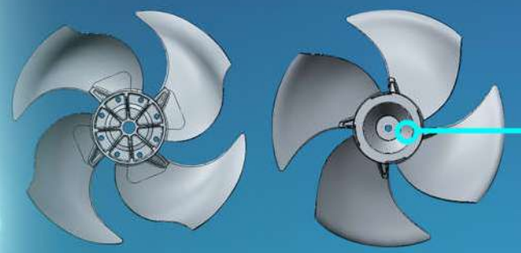
Modular Design

Basic Module 14~22HP
Up to 4 modules can be combined into a system with a maximum capacity of 88HP.

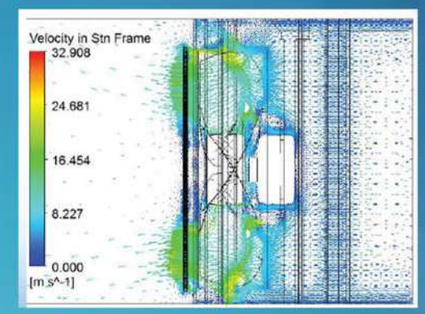


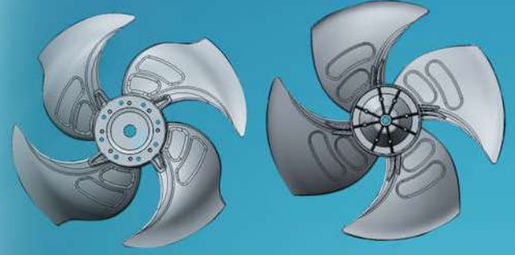
HIGH RELIABILITY

Optimized Fan Design



Snow-resistant hub: Prevents accumulation during winter.





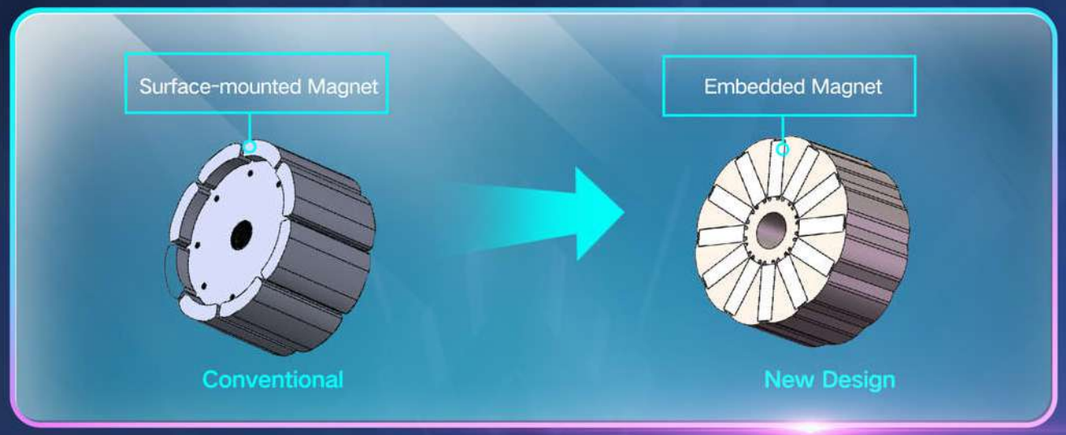
Conventional　　New Design

With the new design, the air volume of the fan has increased by 20%, and its efficiency has improved by 7% compared to the last generation of the fan.

DISTINCTIVE COMFORT

DC Fan Motor with Embedded Magnet Structure

- The high-power brushless DC motor features a plastic-sealed structure, ensuring excellent anti-corrosion performance.
- The embedded magnet structure provides better mechanical strength and thermal management, enabling support for higher operational speeds.



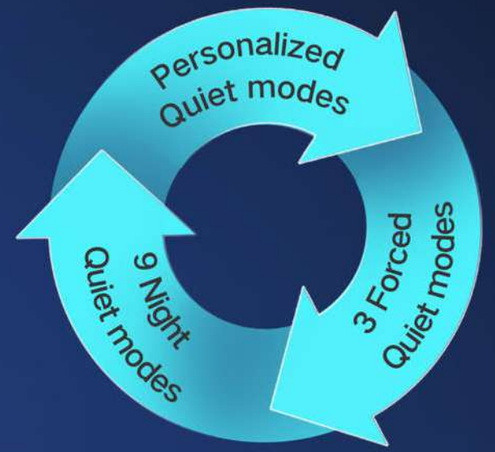
Exclusive Strong Headwind Startup Technology

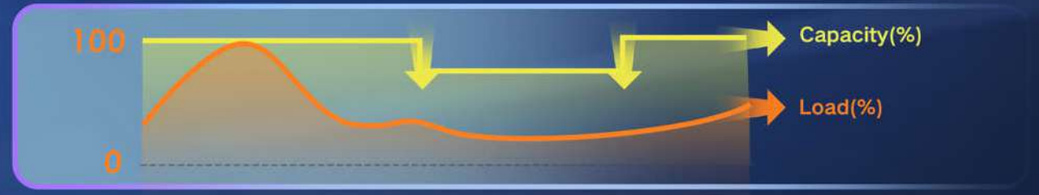
Defies strong winds—halts reverse fan rotation instantly and restarts smoothly, maximizing uptime.



Quiet Operation

Achieve 40 dB(A) quiet operation in Quiet Mode—ideal for nighttime use.









Indoor Unit Heat Exchanger Self-cleaning



Condensation

When the air conditioner is in the cooling mode, the temperature of the evaporator is lower than that of the air. The water vapor in the air condenses into water droplets on the surface of the evaporator and forms a water film.

Freezing

The evaporator temperature is further reduced after condensation to freeze the water droplets on the evaporator surface into a thin layer of ice. As the ice layer grows, the dirt attached to the evaporator surface is gradually separated from the evaporator due to the expansion force of the ice.

Dirt Removal

The dirt is embedded in the ice layer. After the ice layer reaches a certain thickness, the air conditioner enters the defrosting mode. The ice melts into water, and the dirt is washed away by the melted water and drained out of the air conditioner through the drainage system.

Dry

The fan in the air conditoner operates to blow air over the evaporated water vapor and accelerating the drying process of evaporator and drain pan. This helps to remove the moisture from the unit and preventing mold and bacteria growth.



Fresh Air

Fresh air IDUs: 1000-4000m^3/h fresh air volume



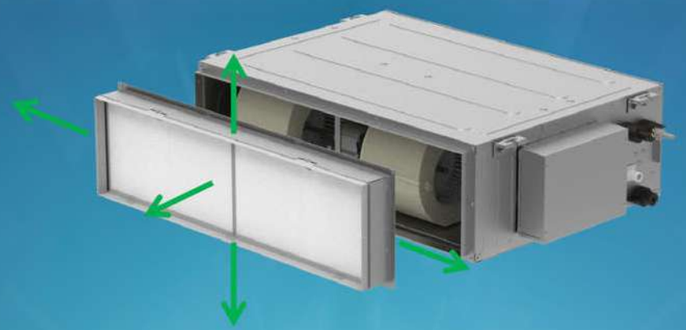
Fresh air kit: effectively introducing 8% to 10% of fresh air from outdoor



Indoor Air Purifying

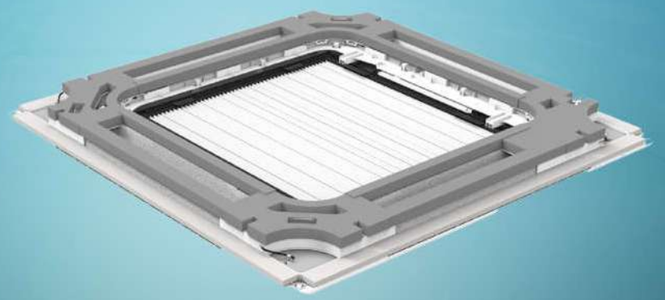
High-Efficiency Filter

- **PM2.5 Removal:** ⩾90% single-pass purification efficiency
- **Optimized Airflow:** Low resistance with minimal volume attenuation
- **Easy Maintenance:** 5-direction disassembly for quick replacement and installation



- HEPA filter: removes PM 2.5 and formaldehyde.

HEPA Filter



PEFECT MATCH

CAN+ Communication	Indoor Temperature Detection and Revision	Power-off Memory	SET BACK	PM2.5 Filter (Optional)	Intelligent Billing System	Filter Washing Reminding

Duct Type IDUs



High ESP | Mid. ESP | Low ESP | Fresh Air

Cassete Type IDUs



360°Flow | Compact Panel | Two-way | One-way

Other IDUs



Wall-mounted | Console | AHU Kit | Floor Ceiling | Concealed floor standing

ODU Specifications

GMV9 Flex (Standard)

Model			GMV-400WML/A-X	GMV-450WML/A-X	GMV-504WML/A-X	GMV-560WML/A-X	GMV-615WML/A-X
Capacity range		HP	14	16	18	20	22
Cooling capacity	Rated*	kW	40.0	45.0	50.4	56.0	61.5
	Max.	kW	40.0	45.0	50.4	56.0	61.5
Heating capacity	Rated*	kW	40.0	45.0	50.4	56.0	61.5
	Max.	kW	45.0	50.0	56.5	63.0	69.0
SEER	Ducted*	-	7.15	6.81	7.21	6.86	6.62
	Cassette*	-	7.20	7.00	7.25	7.09	6.63
SCOP	Ducted*	-	4.56	4.70	4.46	4.49	4.40
	Cassette*	-	4.50	4.40	4.22	4.11	4.10
Power supply		V/Ph/Hz	380-415V 3N~ 50/60Hz				
Min. circuit/Max. Fuse current		A	31.5/32	34.4/40	38.0/40	40.0/50	44.0/50
Max.drive IDU NO.		unit	28	30	35	39	42
Refrigerant charge volume		kg	7.0	7.0	8.0	8.0	8.0
Airflow rate		m^3/h	19000	19000	19500	19500	19500
Sound pressure level(Cooling)		dB(A)	59	60	60	61	61
Sound power level(Cooling)	Ducted*	dB(A)	83	84	84	85	87
	Cassette*	dB(A)	83	84	84	84	85
Connecting pipe	Liquid	mm	Φ12.7(1/2)	Φ12.7(1/2)	Φ15.9(5/8)	Φ15.9(5/8)	Φ15.9(5/8)
	Gas	mm	Φ25.4(1)	Φ28.6(1-1/8)	Φ28.6(1-1/8)	Φ28.6(1-1/8)	Φ28.6(1-1/8)
Dimension(W*D*H)	Outline	mm	1250×460×1745	1250×460×1745	1250×460×1745	1250×460×1745	1250×460×1745
	Package	mm	1348×593×1915	1348×593×1915	1348×593×1915	1348×593×1915	1348×593×1915
Net weight/Gross weight		kg	210/230	210/230	235/255	235/255	235/255
Loading quantity	20' GP	set	13	13	13	13	13
	40' GP	set	28	28	28	28	28
	40' HQ	set	28	28	28	28	28

*The data is Eurovent certified.
*The outline dimensions of the outdoor unit do not include the fan grille.
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GMV9 Flex (Anti-Corrosion)

Model			GMV-400WML/A1-X	GMV-450WML/A1-X	GMV-504WML/A1-X	GMV-560WML/A1-X	GMV-615WML/A1-X
Capacity range		HP	14	16	18	20	22
Cooling capacity	Rated*	kW	40.0	45.0	50.4	56.0	61.5
	Max.	kW	40.0	45.0	50.4	56.0	61.5
Heating capacity	Rated*	kW	40.0	45.0	50.4	56.0	61.5
	Max.	kW	45.0	50.0	56.5	63.0	69.0
SEER	Ducted*	-	7.15	6.81	7.21	6.86	6.62
	Cassette*	-	7.20	7.00	7.25	7.09	6.63
SCOP	Ducted*	-	4.56	4.70	4.46	4.49	4.40
	Cassette*	-	4.50	4.40	4.22	4.11	4.10
Power supply		V/Ph/Hz	380-415V 3N~ 50/60Hz				
Min. circuit/Max. Fuse current		A	31.5/32	34.4/40	38.0/40	40.0/50	44.0/50
Max.drive IDU NO.		unit	28	30	35	39	42
Refrigerant charge volume		kg	7.0	7.0	8.0	8.0	8.0
Airflow rate		m^3/h	19000	19000	19500	19500	19500
Sound pressure level(Cooling)		dB(A)	59	60	60	61	61
Sound power level(Cooling)	Ducted*	dB(A)	83	84	84	85	87
	Cassette*	dB(A)	83	84	84	84	85
Connecting pipe	Liquid	mm	Φ12.7(1/2)	Φ12.7(1/2)	Φ15.9(5/8)	Φ15.9(5/8)	Φ15.9(5/8)
	Gas	mm	Φ25.4(1)	Φ28.6(1-1/8)	Φ28.6(1-1/8)	Φ28.6(1-1/8)	Φ28.6(1-1/8)
Dimension(W*D*H)	Outline	mm	1250×460×1745	1250×460×1745	1250×460×1745	1250×460×1745	1250×460×1745
	Package	mm	1348×593×1915	1348×593×1915	1348×593×1915	1348×593×1915	1348×593×1915
Net weight/Gross weight		kg	210/230	210/230	235/255	235/255	235/255
Loading quantity	20' GP	set	13	13	13	13	13
	40' GP	set	28	28	28	28	28
	40' HQ	set	28	28	28	28	28

*The data is Eurovent certified.
*The outline dimensions of the outdoor unit do not include the fan grille.
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GMV9 Flex (Standard)

HP	Model	GMV-400WML/A-X	GMV-450WML/A-X	GMV-504WML/A-X	GMV-560WML/A-X	GMV-615WML/A-X
14	GMV-400WML/A-X	◆				
16	GMV-450WML/A-X		◆			
18	GMV-504WML/A-X			◆		
20	GMV-560WML/A-X				◆	
22	GMV-615WML/A-X					◆
28	GMV-800WML/A-X	◆◆				
30	GMV-850WML/A-X	◆	◆			
32	GMV-900WML/A-X		◆◆			
34	GMV-954WML/A-X		◆	◆		
36	GMV-1010WML/A-X		◆		◆	
38	GMV-1065WML/A-X		◆			◆
40	GMV-1119WML/A-X			◆		◆
42	GMV-1175WML/A-X				◆	◆
44	GMV-1230WML/A-X					◆◆
46	GMV-1300WML/A-X	◆	◆◆			
48	GMV-1350WML/A-X		◆◆◆			
50	GMV-1404WML/A-X		◆◆	◆		
52	GMV-1460WML/A-X		◆◆		◆	
54	GMV-1515WML/A-X		◆◆			◆
56	GMV-1570WML/A-X		◆		◆◆	
58	GMV-1625WML/A-X		◆		◆	◆
60	GMV-1680WML/A-X		◆			◆◆
62	GMV-1735WML/A-X				◆◆	◆
64	GMV-1790WML/A-X				◆	◆◆
66	GMV-1845WML/A-X					◆◆◆
68	GMV-1910WML/A-X		◆◆◆		◆	
70	GMV-1965WML/A-X		◆◆◆			◆
72	GMV-2020WML/A-X		◆◆		◆◆	
74	GMV-2075WML/A-X		◆◆		◆	◆
76	GMV-2130WML/A-X		◆◆			◆◆
78	GMV-2185WML/A-X		◆		◆◆	◆
80	GMV-2240WML/A-X		◆		◆	◆◆
82	GMV-2295WML/A-X		◆			◆◆◆
84	GMV-2349WML/A-X			◆		◆◆◆
86	GMV-2405WML/A-X				◆	◆◆◆
88	GMV-2460WML/A-X					◆◆◆◆

ODU Specifications

ODU Combination Lineup

GMV9 Flex (Anti-Corrosion)

HP	Model	GMV-400WML/A1-X	GMV-450WML/A1-X	GMV-504WML/A1-X	GMV-560WML/A1-X	GMV-615WML/A1-X
14	GMV-400WML/A1-X	●				
16	GMV-450WML/A1-X		●			
18	GMV-504WML/A1-X			●		
20	GMV-560WML/A1-X				●	
22	GMV-615WML/A1-X					●
28	GMV-800WML/A1-X	●●				
30	GMV-850WML/A1-X	●	●			
32	GMV-900WML/A1-X		●●			
34	GMV-954WML/A1-X		●	●		
36	GMV-1010WML/A1-X		●		●	
38	GMV-1065WML/A1-X		●			●
40	GMV-1119WML/A1-X			●		●
42	GMV-1175WML/A1-X				●	●
44	GMV-1230WML/A1-X					●●
46	GMV-1300WML/A1-X	●	●●			
48	GMV-1350WML/A1-X		●●●			
50	GMV-1404WML/A1-X		●●	●		
52	GMV-1460WML/A1-X		●●		●	
54	GMV-1515WML/A1-X		●●			●
56	GMV-1570WML/A1-X		●		●●	
58	GMV-1625WML/A1-X		●		●	●
60	GMV-1680WML/A1-X		●			●●
62	GMV-1735WML/A1-X				●●	●
64	GMV-1790WML/A1-X				●	●●
66	GMV-1845WML/A1-X					●●●
68	GMV-1910WML/A1-X		●●●			
70	GMV-1965WML/A1-X		●●●			
72	GMV-2020WML/A1-X		●●			
74	GMV-2075WML/A1-X		●●			
76	GMV-2130WML/A1-X		●●			
78	GMV-2185WML/A1-X		●			
80	GMV-2240WML/A1-X		●			
82	GMV-2295WML/A1-X		●			●●●
84	GMV-2349WML/A1-X			●		●●●
86	GMV-2405WML/A1-X				●	●●●
88	GMV-2460WML/A1-X					●●●●

GMV9 Flex (Standard)

HP	Model	Power Supply	Capacity		Dimension (W × D × H)	Airflow Volume	ESP	Connecting pipe		Min.circuit current	Max.fuse current	Net weight
			Cooling	Heating				Liquid	Gas			
			kW	kW	mm	m^3/h	Pa	mm	mm	A	A	kg
28	GMV-800WML/A-X	380-415V 3N~ 50/60Hz	80	90.0	1340 × 775 × 1690+1340 × 775 × 1690	19000+19000	40	Φ19.05	Φ31.8	31.5+31.5	32+32	210+210
30	GMV-850WML/A-X	380-415V 3N~ 50/60Hz	85	95.0	1340 × 775 × 1690+1340 × 775 × 1690	19000+19000	40	Φ19.05	Φ31.8	31.5+34.4	32+40	210+210
32	GMV-900WML/A-X	380-415V 3N~ 50/60Hz	90	100.0	1340 × 775 × 1690+1340 × 775 × 1690	19000+19000	40	Φ19.05	Φ31.8	34.4+34.4	40+40	210+210
34	GMV-954WML/A-X	380-415V 3N~ 50/60Hz	95.4	106.5	1340 × 775 × 1690+1340 × 775 × 1690	19000+19500	40	Φ19.05	Φ38.1	34.4+38.0	40+40	210+230
36	GMV-1010WML/A-X	380-415V 3N~ 50/60Hz	101	113.0	1340 × 775 × 1690+1340 × 775 × 1690	19000+19500	40	Φ19.05	Φ38.1	34.4+40.0	40+50	210+230
38	GMV-1065WML/A-X	380-415V 3N~ 50/60Hz	106.5	119.0	1340 × 775 × 1690+1340 × 775 × 1690	19000+19500	40	Φ19.05	Φ38.1	34.4+44.0	40+50	210+230
40	GMV-1119WML/A-X	380-415V 3N~ 50/60Hz	111.9	125.5	1340 × 775 × 1690+1340 × 775 × 1690	19500+19500	40	Φ19.05	Φ38.1	38.0+44.0	40+50	230+230
42	GMV-1175WML/A-X	380-415V 3N~ 50/60Hz	117.5	132.0	1340 × 775 × 1690+1340 × 775 × 1690	19500+19500	40	Φ19.05	Φ38.1	40.0+44.0	50+50	230+230
44	GMV-1230WML/A-X	380-415V 3N~ 50/60Hz	123	138.0	1340 × 775 × 1690+1340 × 775 × 1690	19500+19500	40	Φ19.05	Φ38.1	44.0+44.0	50+50	230+230
46	GMV-1300WML/A-X	380-415V 3N~ 50/60Hz	130	145.0	1340 × 775 × 1690+1340 × 775 × 1690+1340 × 775 × 1690	19000+19000+19000	40	Φ19.05	Φ38.1	31.5+34.4+34.4	32+40+40	210+210+210
48	GMV-1350WML/A-X	380-415V 3N~ 50/60Hz	135	150.0	1340 × 775 × 1690+1340 × 775 × 1690+1340 × 775 × 1690	19000+19000+19000	40	Φ19.05	Φ38.1	34.4+34.4+34.4	40+40+40	210+210+210
50	GMV-1404WML/A-X	380-415V 3N~ 50/60Hz	140.4	156.5	1340 × 775 × 1690+1340 × 775 × 1690+1340 × 775 × 1690	19000+19000+19500	40	Φ19.05	Φ41.3	34.4+34.4+38.0	40+40+40	210+210+230
52	GMV-1460WML/A-X	380-415V 3N~ 50/60Hz	146	163.0	1340 × 775 × 1690+1340 × 775 × 1690+1340 × 775 × 1690	19000+19000+19500	40	Φ19.05	Φ41.3	34.4+34.4+40.0	40+40+50	210+210+230
54	GMV-1515WML/A-X	380-415V 3N~ 50/60Hz	151.5	169.0	1340 × 775 × 1690+1340 × 775 × 1690+1340 × 775 × 1690	19000+19000+19500	40	Φ19.05	Φ41.3	34.4+34.4+44.0	40+40+50	210+210+230

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ODU Specifications

GMV9 Flex (Standard)

HP	Model	Power Supply	Capacity		Dimension (W × D × H)	Airflow Volume	ESP	Connecting pipe		Min.circuit current	Max.fuse current	Net weight
			Cooling	Heating				Liquid	Gas			
			kW	kW	mm	m^3/h	Pa	mm	mm	A	A	kg
56	GMV-1570WML/A-X	380-415V 3N~ 50/60Hz	157	176.0	1340×775×1690+1340×775×1690+1340×775×1690	19000+19500+19500	40	Φ19.05	Φ41.3	34.4+40.0+40.0	40+50+50	210+230+230
58	GMV-1625WML/A-X	380-415V 3N~ 50/60Hz	162.5	182.0	1340×775×1690+1340×775×1690+1340×775×1690	19000+19500+19500	40	Φ19.05	Φ41.3	34.4+40.0+44.0	40+50+50	210+230+230
60	GMV-1680WML/A-X	380-415V 3N~ 50/60Hz	168	188.0	1340×775×1690+1340×775×1690+1340×775×1690	19000+19500+19500	40	Φ19.05	Φ41.3	34.4+44.0+44.0	40+50+50	210+230+230
62	GMV-1735WML/A-X	380-415V 3N~ 50/60Hz	173.5	195.0	1340×775×1690+1340×775×1690+1340×775×1690	19500+19500+19500	40	Φ19.05	Φ41.3	40.0+40.0+44.0	50+50+50	230+230+230
64	GMV-1790WML/A-X	380-415V 3N~ 50/60Hz	179	201.0	1340×775×1690+1340×775×1690+1340×775×1690	19500+19500+19500	40	Φ19.05	Φ41.3	40.0+44.0+44.0	50+50+50	230+230+230
66	GMV-1845WML/A-X	380-415V 3N~ 50/60Hz	184.5	207.0	1340×775×1690+1340×775×1690+1340×775×1690	19500+19500+19500	40	Φ19.05	Φ41.3	44.0+44.0+44.0	50+50+50	230+230+230
68	GMV-1910WML/A-X	380-415V 3N~ 50/60Hz	191	213	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19000+19500	40	Φ22.2	Φ44.5	34.4+34.4+34.4+40.0	40+40+40+50	210+210+210+230
70	GMV-1965WML/A-X	380-415V 3N~ 50/60Hz	196.5	219.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19000+19500	40	Φ22.2	Φ44.5	34.4+34.4+34.4+44.0	40+40+40+50	210+210+210+230
72	GMV-2020WML/A-X	380-415V 3N~ 50/60Hz	202	226.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19500+19500	40	Φ22.2	Φ44.5	34.4+34.4+40.0+40.0	40+40+50+50	210+210+230+230
74	GMV-2075WML/A-X	380-415V 3N~ 50/60Hz	207.5	232.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19500+19500	40	Φ22.2	Φ44.5	34.4+34.4+40.0+44.0	40+40+50+50	210+210+230+230
76	GMV-2130WML/A-X	380-415V 3N~ 50/60Hz	213	238.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19500+19500	40	Φ22.2	Φ44.5	34.4+34.4+44.0+44.0	40+40+50+50	210+210+230+230
78	GMV-2185WML/A-X	380-415V 3N~ 50/60Hz	218.5	245.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19500+19500+19500	40	Φ22.2	Φ44.5	34.4+40.0+40.0+44.0	40+50+50+50	210+230+230+230
80	GMV-2240WML/A-X	380-415V 3N~ 50/60Hz	224	251.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19500+19500+19500	40	Φ22.2	Φ44.5	34.4+40.0+44.0+44.0	40+50+50+50	210+230+230+230
82	GMV-2295WML/A-X	380-415V 3N~ 50/60Hz	229.5	257.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19500+19500+19500	40	Φ22.2	Φ44.5	34.4+44.0+44.0+44.0	40+50+50+50	210+230+230+230
84	GMV-2349WML/A-X	380-415V 3N~ 50/60Hz	234.9	263.5	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19500+19500+19500+19500	40	Φ22.2	Φ44.5	38.0+44.0+44.0+44.0	40+50+50+50	230+230+230+230
86	GMV-2405WML/A-X	380-415V 3N~ 50/60Hz	240.5	270.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19500+19500+19500+19500	40	Φ22.2	Φ44.5	40.0+44.0+44.0+44.0	50+50+50+50	230+230+230+230
88	GMV-2460WML/A-X	380-415V 3N~ 50/60Hz	246	276.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19500+19500+19500+19500	40	Φ22.2	Φ44.5	44.0+44.0+44.0+44.0	50+50+50+50	230+230+230+230

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GMV9 Flex (Anti-Corrosion)

HP	Model	Power Supply	Capacity		Dimension (W × D × H)	Airflow Volume	ESP	Connecting pipe		Min.circuit current	Max.fuse current	Net weight
			Cooling	Heating				Liquid	Gas			
			kW	kW	mm	m^3/h	Pa	mm	mm	A	A	kg
28	GMV-800WML/A1-X	380-415V 3N~ 50/60Hz	80	90.0	1340×775×1690+1340×775×1690	19000+19000	40	Φ19.05	Φ31.8	31.5+31.5	32+32	210+210
30	GMV-850WML/A1-X	380-415V 3N~ 50/60Hz	85	95.0	1340×775×1690+1340×775×1690	19000+19000	40	Φ19.05	Φ31.8	31.5+34.4	32+40	210+210
32	GMV-900WML/A1-X	380-415V 3N~ 50/60Hz	90	100.0	1340×775×1690+1340×775×1690	19000+19000	40	Φ19.05	Φ31.8	34.4+34.4	40+40	210+210
34	GMV-954WML/A1-X	380-415V 3N~ 50/60Hz	95.4	106.5	1340×775×1690+1340×775×1690	19000+19500	40	Φ19.05	Φ38.1	34.4+38.0	40+40	210+230
36	GMV-1010WML/A1-X	380-415V 3N~ 50/60Hz	101	113.0	1340×775×1690+1340×775×1690	19000+19500	40	Φ19.05	Φ38.1	34.4+40.0	40+50	210+230
38	GMV-1065WML/A1-X	380-415V 3N~ 50/60Hz	106.5	119.0	1340×775×1690+1340×775×1690	19000+19500	40	Φ19.05	Φ38.1	34.4+44.0	40+50	210+230
40	GMV-1119WML/A1-X	380-415V 3N~ 50/60Hz	111.9	125.5	1340×775×1690+1340×775×1690	19500+19500	40	Φ19.05	Φ38.1	38.0+44.0	40+50	230+230
42	GMV-1175WML/A1-X	380-415V 3N~ 50/60Hz	117.5	132.0	1340×775×1690+1340×775×1690	19500+19500	40	Φ19.05	Φ38.1	40.0+44.0	50+50	230+230
44	GMV-1230WML/A1-X	380-415V 3N~ 50/60Hz	123	138.0	1340×775×1690+1340×775×1690	19500+19500	40	Φ19.05	Φ38.1	44.0+44.0	50+50	230+230
46	GMV-1300WML/A1-X	380-415V 3N~ 50/60Hz	130	145.0	1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19000	40	Φ19.05	Φ38.1	31.5+34.4+34.4	32+40+40	210+210+210
48	GMV-1350WML/A1-X	380-415V 3N~ 50/60Hz	135	150.0	1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19000	40	Φ19.05	Φ38.1	34.4+34.4+34.4	40+40+40	210+210+210
50	GMV-1404WML/A1-X	380-415V 3N~ 50/60Hz	140.4	156.5	1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19500	40	Φ19.05	Φ41.3	34.4+34.4+38.0	40+40+40	210+210+230
52	GMV-1460WML/A1-X	380-415V 3N~ 50/60Hz	146	163.0	1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19500	40	Φ19.05	Φ41.3	34.4+34.4+40.0	40+40+50	210+210+230
54	GMV-1515WML/A1-X	380-415V 3N~ 50/60Hz	151.5	169.0	1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19500	40	Φ19.05	Φ41.3	34.4+34.4+44.0	40+40+50	210+210+230
56	GMV-1570WML/A1-X	380-415V 3N~ 50/60Hz	157	176.0	1340×775×1690+1340×775×1690+1340×775×1690	19000+19500+19500	40	Φ19.05	Φ41.3	34.4+40.0+40.0	40+50+50	210+230+230
58	GMV-1625WML/A1-X	380-415V 3N~ 50/60Hz	162.5	182.0	1340×775×1690+1340×775×1690+1340×775×1690	19000+19500+19500	40	Φ19.05	Φ41.3	34.4+40.0+44.0	40+50+50	210+230+230
60	GMV-1680WML/A1-X	380-415V 3N~ 50/60Hz	168	188.0	1340×775×1690+1340×775×1690+1340×775×1690	19000+19500+19500	40	Φ19.05	Φ41.3	34.4+44.0+44.0	40+50+50	210+230+230
62	GMV-1735WML/A1-X	380-415V 3N~ 50/60Hz	173.5	195.0	1340×775×1690+1340×775×1690+1340×775×1690	19500+19500+19500	40	Φ19.05	Φ41.3	40.0+40.0+44.0	50+50+50	230+230+230
64	GMV-1790WML/A1-X	380-415V 3N~ 50/60Hz	179	201.0	1340×775×1690+1340×775×1690+1340×775×1690	19500+19500+19500	40	Φ19.05	Φ41.3	40.0+44.0+44.0	50+50+50	230+230+230

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ODU Specifications

GMV9 MINI

GMV9 Flex (Anti-Corrosion)

HP	Model	Power Supply	Capacity		Dimension (W × D × H)	Airflow Volume	ESP	Connecting pipe		Min.circuit current	Max.fuse current	Net weight
			Cooling	Heating				Liquid	Gas			
			kW	kW	mm	m^3/h	Pa	mm	mm	A	A	kg
66	GMV-1845WML/A1-X	380-415V 3N~ 50/60Hz	184.5	207.0	1340×775×1690+1340×775×1690+1340×775×1690	19500+19500+19500	40	Φ19.05	Φ41.3	44.0+44.0+44.0	50+50+50	230+230+230
68	GMV-1910WML/A1-X	380-415V 3N~ 50/60Hz	191	213	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19000+19500	40	Φ22.2	Φ44.5	34.4+34.4+34.4+40.0	40+40+40+50	210+210+210+230
70	GMV-1965WML/A1-X	380-415V 3N~ 50/60Hz	196.5	219.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19000+19500	40	Φ22.2	Φ44.5	34.4+34.4+34.4+44.0	40+40+40+50	210+210+210+230
72	GMV-2020WML/A1-X	380-415V 3N~ 50/60Hz	202	226.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19500+19500	40	Φ22.2	Φ44.5	34.4+34.4+40.0+40.0	40+40+50+50	210+210+230+230
74	GMV-2075WML/A1-X	380-415V 3N~ 50/60Hz	207.5	232.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19500+19500	40	Φ22.2	Φ44.5	34.4+34.4+40.0+44.0	40+40+50+50	210+210+230+230
76	GMV-2130WML/A1-X	380-415V 3N~ 50/60Hz	213	238.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19000+19500+19500	40	Φ22.2	Φ44.5	34.4+34.4+44.0+44.0	40+40+50+50	210+210+230+230
78	GMV-2185WML/A1-X	380-415V 3N~ 50/60Hz	218.5	245.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19500+19500+19500	40	Φ22.2	Φ44.5	34.4+40.0+40.0+44.0	40+50+50+50	210+230+230+230
80	GMV-2240WML/A1-X	380-415V 3N~ 50/60Hz	224	251.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19500+19500+19500	40	Φ22.2	Φ44.5	34.4+40.0+44.0+44.0	40+50+50+50	210+230+230+230
82	GMV-2295WML/A1-X	380-415V 3N~ 50/60Hz	229.5	257.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19000+19500+19500+19500	40	Φ22.2	Φ44.5	34.4+44.0+44.0+44.0	40+50+50+50	210+230+230+230
84	GMV-2349WML/A1-X	380-415V 3N~ 50/60Hz	234.9	263.5	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19500+19500+19500+19500	40	Φ22.2	Φ44.5	38.0+44.0+44.0+44.0	40+50+50+50	230+230+230+230
86	GMV-2405WML/A1-X	380-415V 3N~ 50/60Hz	240.5	270.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19500+19500+19500+19500	40	Φ22.2	Φ44.5	40.0+44.0+44.0+44.0	50+50+50+50	230+230+230+230
88	GMV-2460WML/A1-X	380-415V 3N~ 50/60Hz	246	276.0	1340×775×1690+1340×775×1690+1340×775×1690+1340×775×1690	19500+19500+19500+19500	40	Φ22.2	Φ44.5	44.0+44.0+44.0+44.0	50+50+50+50	230+230+230+230

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Compact Design · Silent Comfort · Smart Living

Key Features

Compact Design

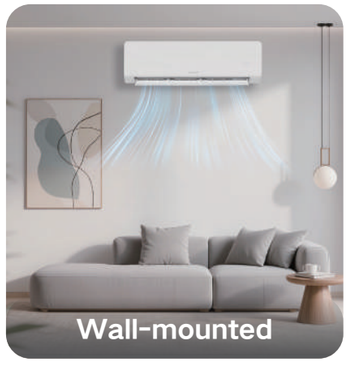
- Depth down to 370mm
- The outdoor unit fits easily into tight spaces like balconies, utility rooms, or narrow facades.
- Easy transport, handling, and installation in restricted spaces.

*Based on internal comparison. Results may vary by model.



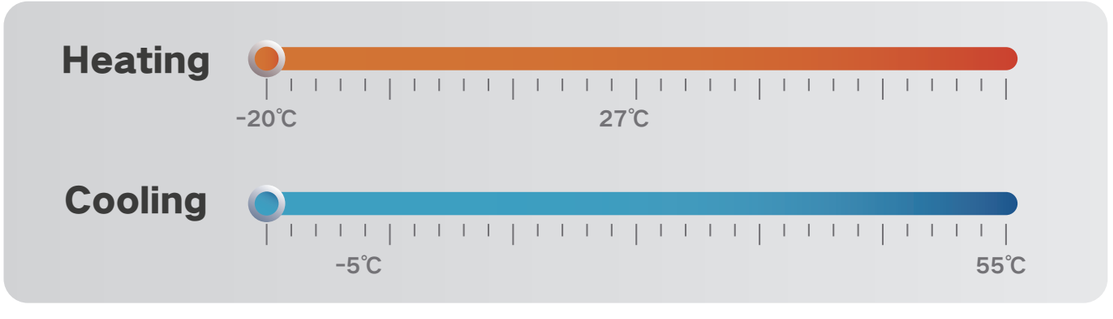
Versatile Application





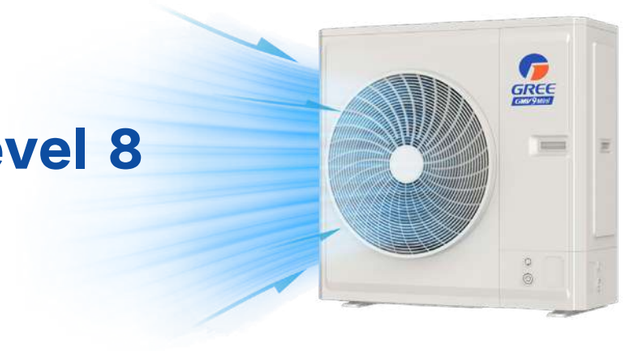


Wide Operating Range



Strong Wind Resistance

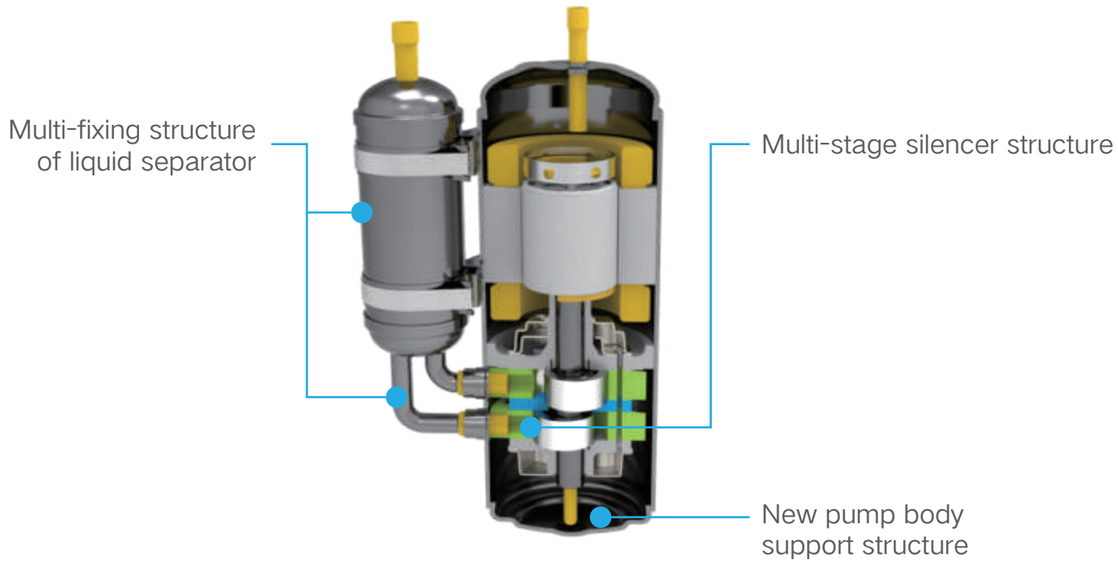
Unlike traditional ACs that fail to start at Level 4 winds, our advanced technology ensures smooth startup and stable performance even in strong reverse winds up to Level 8.



Quiet Design

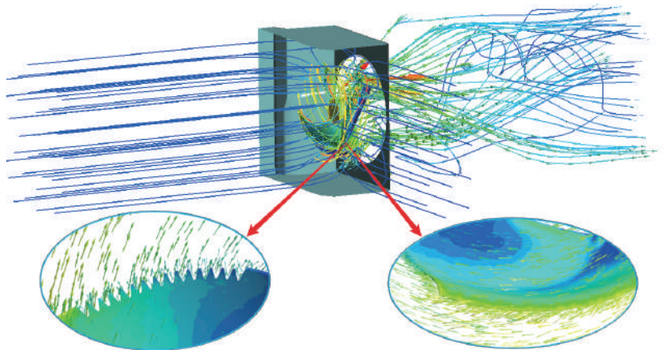
Silent Upgrade Technology

- Substantially lowers the compressor's low-frequency "humming" sound during prolonged low-speed operation.
- Effectively cuts down exhaust noise.
- Significantly reduces liquid separator resonance sound.



Owl Wing Biomimetic Design

Breaking down trailing vortex with serrated structure to achieve noise reduction.
For the "three-vortex" structure in the axial fan blade flow field, an innovative blade tip bending structure is proposed to suppress the formation and development of the tip leakage vortex and tip vortex, achieving efficiency improvement and noise reduction.



Owl wing biomimetic design

"Three-vortex" structure

Installation Adaptation

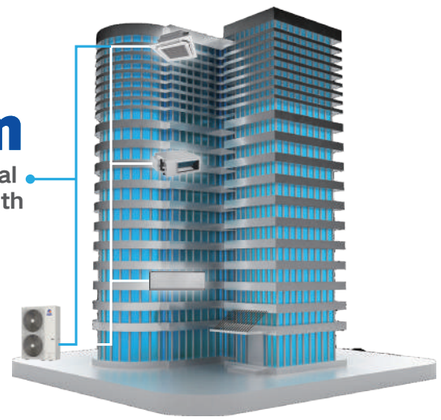
Long-Distance Capability*

120m Max. total connection pipe length

40m Max. height difference conquers complex building layouts

(Up to 30m when ODU is located at lower position)

*Long piping and large height difference may require additional components and capacity correction. Refer to engineering manual.



ODU Specification

GMV9 Mini (Single-Phase)

Model			GMV-121WL/D-T	GMV-141WL/D-T	GMV-160WL/D-T
Capacity range		HP	4	5	6
Cooling Capacity	Rated	kW	12.1	14.1	15.5
	Max	kW	12.1	14.1	15.5
Heating Capacity	Rated*	kW	12.1	14.1	15.5
	Max	kW	14	16	17.5
SEER	Ducted*	-	7.17	7.04	7.19
	Cassette	-	6.17	6.12	6.27
SCOP	Ducted*	-	4.55	4.71	4.65
	Cassette	-	4.81	4.71	4.74
Power Supply		V/Ph/Hz	220-240V~ 50/60Hz		
Max. Circuit / Max Fuse Current		A	26.9/32	28.2/32	29.3/32
Max. Drive IDU No.		Unit	7	8	9
Refrigerant Charge Volume		kg	2.6	2.6	2.6
Air Flow Rate		m^3/h	5000	5600	6100
Sound Pressure Level (Cooling)		dB(A)	/	/	/
Sound Power Level	Cooling*	dB(A)	73	75	76
	Heating	dB(A)	76	77	77
Connecting Pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ19.05
Dimension (W×D×H)	Outline	mm	990 × 370 × 955	990 × 370 × 955	990 × 370 × 955
	Package	mm	1068 × 468 × 1110	1068 × 468 × 1110	1068 × 468 × 1110
Net Weight / Gross Weight		kg	79.5/87.5	79.5/87.5	80/88.5
Loading Quantity	20GP	set	48	48	48
	40GP	set	100	100	100
	40'HQ	set	100	100	100

*The outline dimensions of the outdoor unit do not include the fan grill.
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GMV MINI STAR

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

GREE participates in the ECP programme for VRF with Diploma No. 17.02.283. Check ongoing validity of certificate: www.eurovent-certification.com

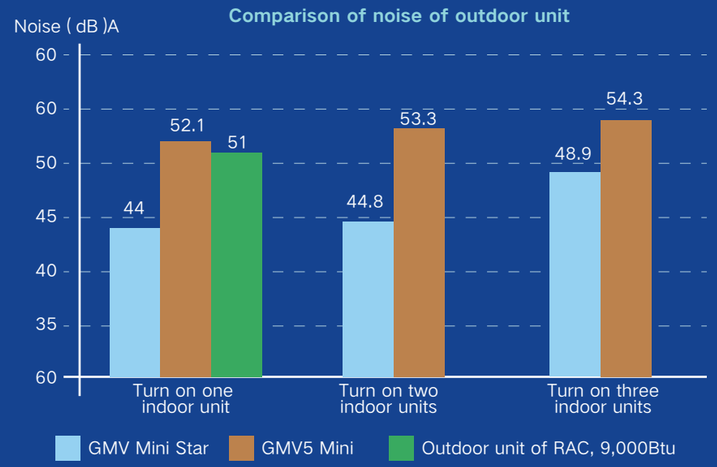


Key Features

Quiet Measure for Outdoor Unit

Dynamic self-adaptation silence technology for load

Based on the load variation in different time, the unit controls and adjusts the output of compressor and fan dynamically, so the noise of outdoor unit is as low as 44dB when turning on the 1HP indoor unit only.



Note: Gree laboratories tested the data and the value is concluded in the anechoic chamber according to the company's representative value of specification. Under actual project installation and application condition, affected by the surrounding noise and objective factor, for example, radioactive acoustic conductance, generally speaking, the value during working will be higher than the recorded sample value.

Quiet Design for Brand-new Noise Reduction Compressor

Novel Pump Support Structure

When the air conditioner is working in low frequency status for a long time, the noise of compressor in low frequency will be decreased greatly.

Several Sound Absorbing Structures

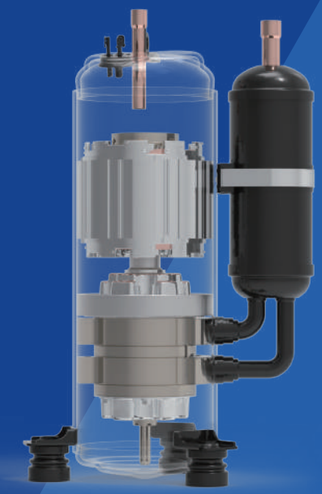
reduce the exhaust noise greatly.

Several Fixing Structures for Separator

reduce the resonance of separator.

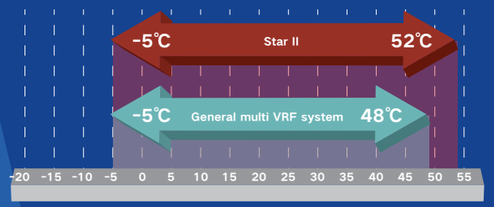
Magnetic Separation Structure Design for Rotor of Unequal Interval

Enhance the sine degree of air gap magnetic flux density wave form, lower the harmonic occupation, the amplitude of electromagnetic force, motor vibration, as well as noise.



Wide Operation Range

The operation range after upgrading is expanded to -5℃~52℃. In this temperature range, it can keep stable operation continuously to ensure the usage effect of air conditioner.



Outdoor operation range under cooling mode

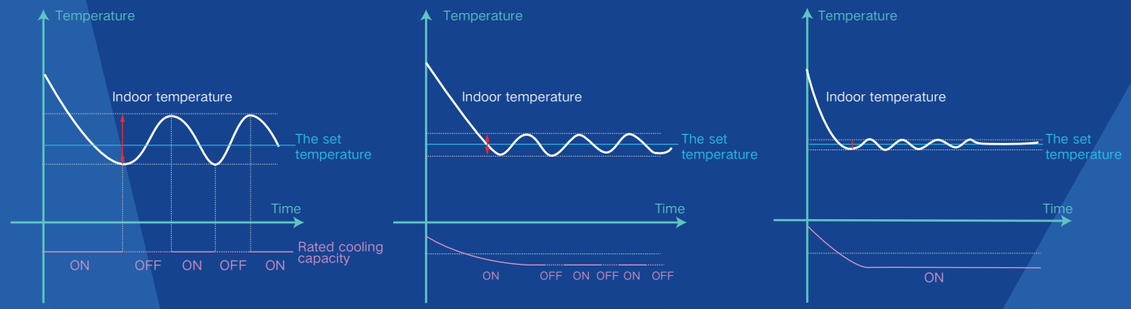
High-efficiency Heat Exchanger Design

Adopt the high-efficiency heat exchanger design to ensure that the windward area of heat exchanger is reduced without affecting the heat transfer effect.



High-efficiency Compressor Technology

Adopting the high-efficiency compressor technology, the compressor realizes the high-efficiency and energy-saving control of the system by using the PID algorithm to calculate the frequency conversion.



☹ Frequent startup/shutdown
☹ High fluctuation of temperature

☹ Slow cooling speed
☹ High fluctuation of temperature

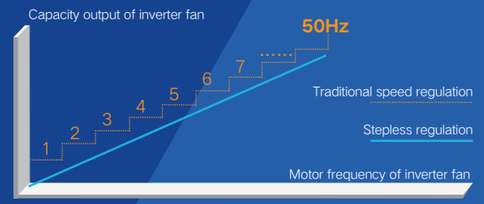
High-efficiency All DC motor

The outdoor unit adopts all DC motor, for which the energy efficiency is higher.

Traditional speed adjustment
Low efficiency
Loud noise
Poor stability

DC inverter stepless regulation II
High efficiency
Low noise
Good stability





DC inverter fan control technology

High-efficiency Compressor

Adopt the high-efficiency refrigerant heat dissipation model to ensure that the volume is reduced 75% without affecting the heat dissipation effect.

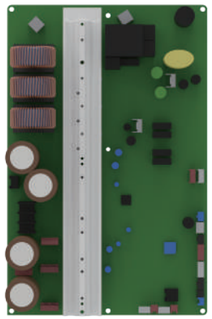






Drive Board Integrated Design

3-in-1 integrated design of drive board, filter board and inductance, which will reduce the space of electronic control greatly.



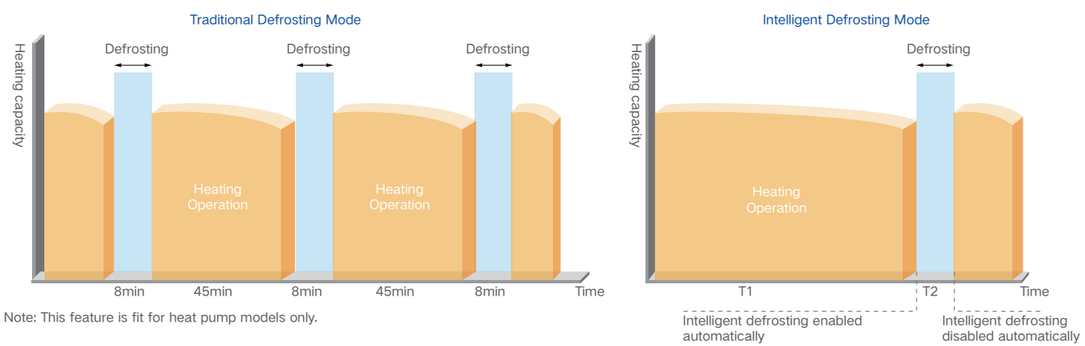
Ultra-strong Headwind Startup

Unique ultra-strong headwind startup technology, even in the Level-8 ultra-strong headwind, startup and operation can maintain normal.



Intelligent Defrosting Control

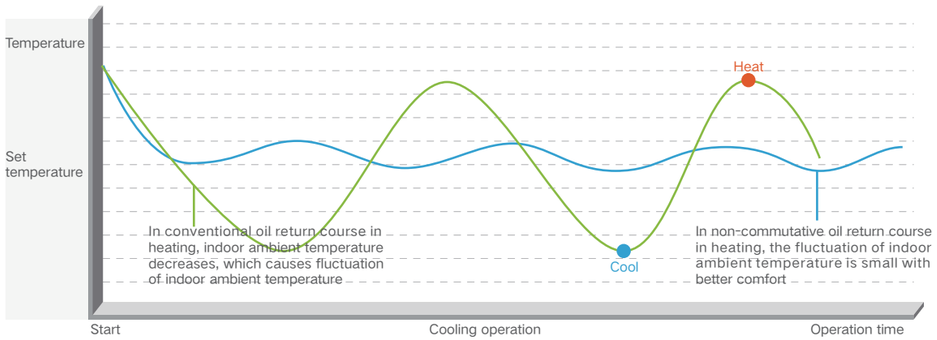
During the heating process, the frost status of the unit will be different after affecting by factors of outdoor ambient temperature, load status and operation time. Through real-time detection of operation parameters of the system, it can decide the defrosting time by intelligently estimating the thickness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



Note: This feature is fit for heat pump models only.

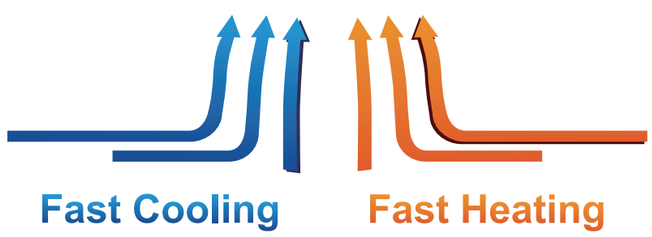
Non-commutative Oil Return Technology in Heating

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



Intelligent Temperature Control Technology

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



High Anti-interference Ability

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



50Hz&60Hz (220~240V)

Model			GMV-120WL/C1-S	GMV-140WL/C1-S	GMV-160WL/C1-S
Capacity range		HP	4	5	6
Cooling capacity	Rated*	kW	12.1	14	16
	Max.	kW	12.1	14	16
Heating capacity	Rated*	kW	12.1	14	16
	Max.	kW	14	16.5	18.5
SEER	Ducted*	-	6.8	6.9	6.9
	Cassette*	-	7	7	6.74
SCOP	Ducted*	-	4.1	4.31	4.1
	Cassette*	-	4.1	4.37	4.26
Power supply		V/Ph/Hz	220-240V ~ 50/60Hz		
Min.circuit/Max.fuse current		A	30.2/32	30.8/32	31.5/32
Maximum drive IDU NO		unit	7	8	9
Refrigerant charge volume		kg	3.2	3.2	3.3
Sound power level(cooing)	Ducted*	dB(A)	74	75	75
	Cassette*	dB(A)	72	73	76
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ19.05
Dimension(W×D×H)	Outline	mm	900×352×1352	900×352×1352	900×352×1352
	Package	mm	998×458×1500	998×458×1500	998×458×1500
Net weight/Gross weight		kg	97/107	97/107	98/108
Loading quantity	40'GP	unit	57	57	57
	40'HQ	unit	57	57	57

*The outline dimensions of the outdoor unit do not include the fan grill.
*The data is Eurovent certified.
*GREE is committed to continuously improving our products to ensure the higher quality and reliability standards, and to meet local regulations and market requirements, specification, design and feature are subject to change without prior notice.

GMV5 MINI & SLIM

GREE participates in the ECP programme for VRF with Diploma No. 17.02.283. Check ongoing validity of certificate: www.eurovent-certification.com



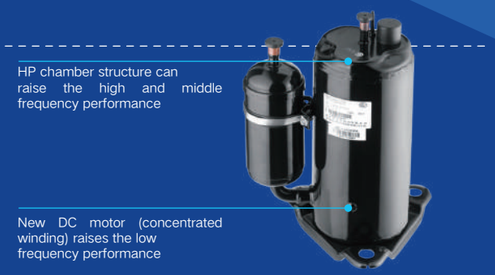
Key Features

All DC Inverter Technology to Improve Compression Efficiency

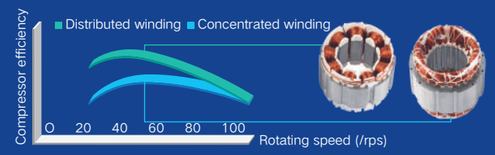
All DC inverter compressor and high-performance high pressure chamber are adopted to reduce loss of overheat and improve compression efficiency from direct intake. Compared with low pressure chamber, the compression efficiency is improved. High-efficient permasyn motor is adopted to provide better performance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

All DC Inverter Compressor

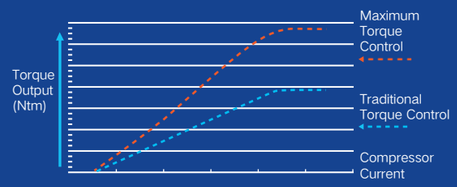
- All DC inverter compressor is used in this system. It can directly intake gas to reduce loss of overheat and improve efficiency.



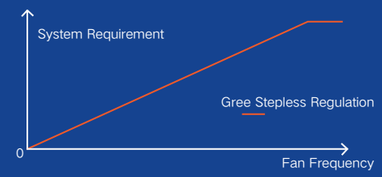
- High-efficient permasyn motor is adopted to provide better performance than traditional DC inverter compressor.



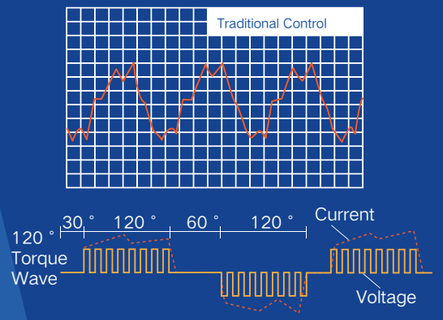
- **Technology of Maximum Torque TControl with Minimum Current**
  It can reduce energy loss caused by device winding so as to realize higher efficiency.

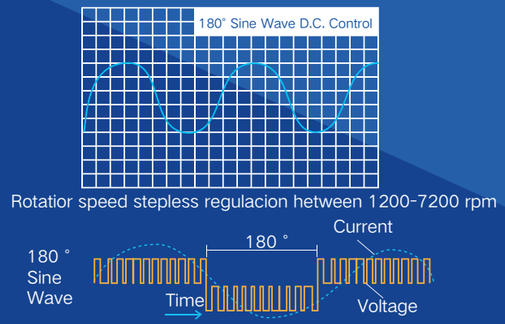


- **Low-frequency Torque Control**
  It can directly control motor torque, through which fan motor can run at a low speed. Users will feel more comfortable while requirements of the system are also met.



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

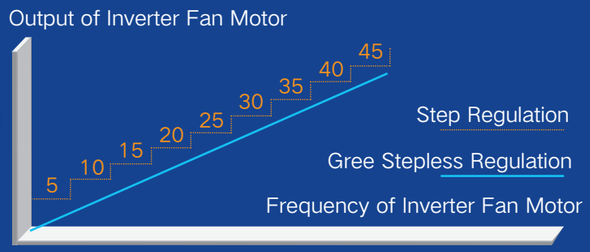




Sensorless DC Inverter Fan Motor

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

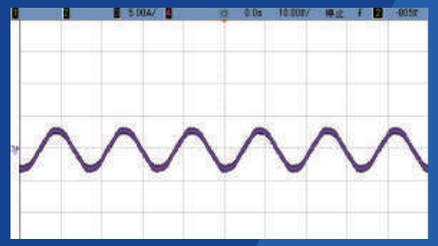




- Sensorless control technology guarantees lower noise, less vibration and steadier operation.



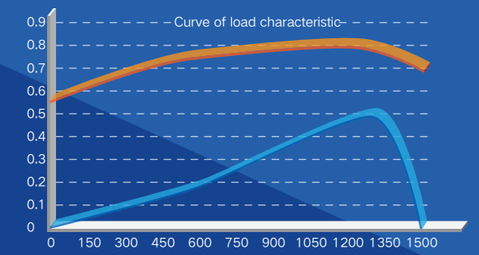
Before



After

Sensorless DC Inverter Fan Motor

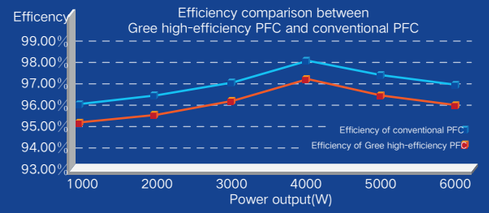
The indoor unit adopts high-efficiency brushless DC motor. Compared with conventional motor, the efficiency of brushless DC motor is improved by more than **30%**. Meanwhile, the design of evaporation capacity flow is optimized through emulation software of refrigeration system and the heat exchange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



High-efficiency Digital PFC Control *

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

*This feature is applicable for GMV5 Mini only.



Wider Operation Condition Range

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





Company A	Gree GMV5 Mini	Gree GMV5 Slim
Cooling:10~48 ° C Heating:-20~27 ° C	Cooling:-5~52 ° C Heating:-20~27 ° C	Cooling:-5~52 ° C Heating:-20~27 ° C

Comfortable and Quiet Mode

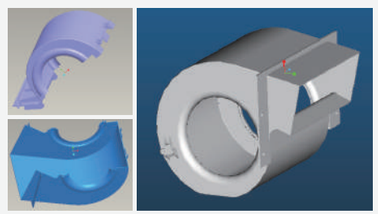
Low Noise of Outdoor Unit

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

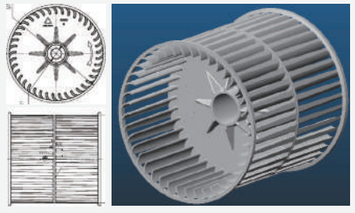


Low Noise of Indoor Unit

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



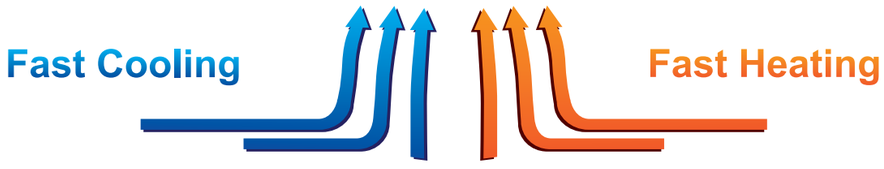
- By adopting the optimal inlet angle of centrifugal fan blade and optimal diameter ratio between internal and external circles of impeller, the air volume is increased and fan noise is decreased greatly.



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

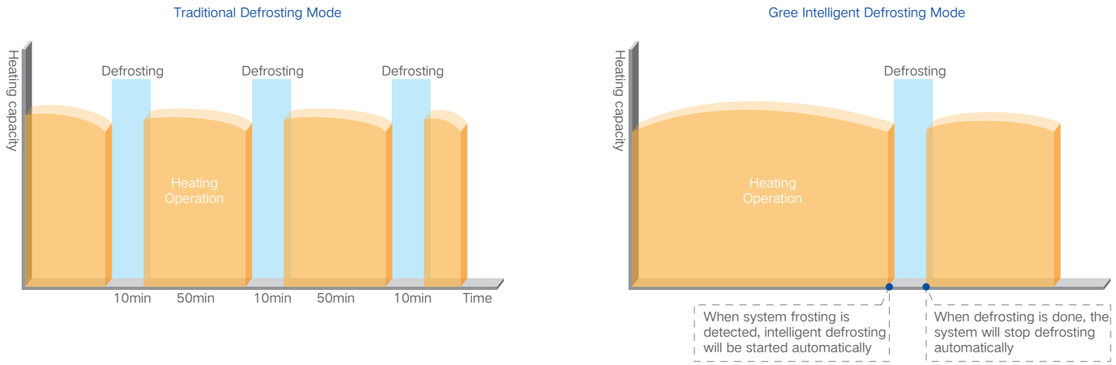
Intelligent Temperature Control Technology

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



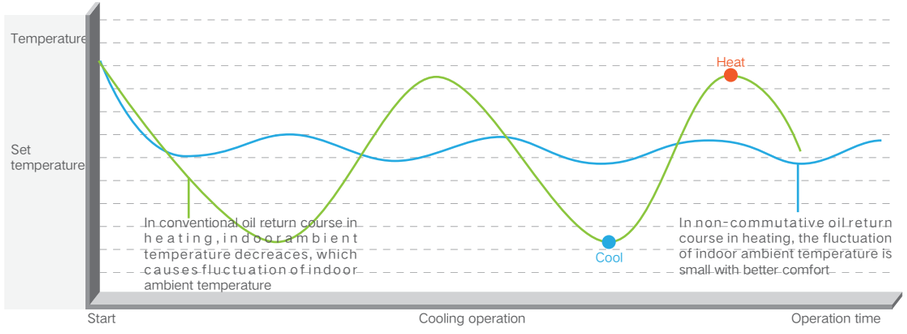
Comfortable Heating

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



Non-commutative Oil Return Technology in Heating

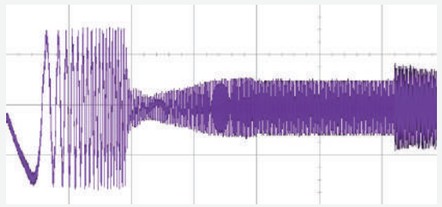
The unit can achieve non-commutative oil return in heating when outdoor ambient temperature is within 0~20 ° C. Thanks to this technology, indoor ambient temperature is more stable and comfort is improved in heating mode.



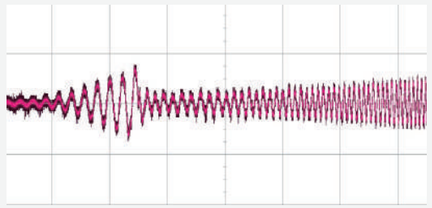
Reliable Operation

Compressor Closed-loop Startup Technology with More Reliable Startup

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



Conventional startup mode



Gree closed-loop startup mode

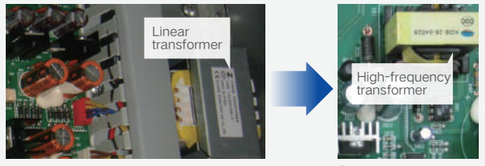
High Anti-interference Ability

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



Advanced High-frequency Transformer with More Stable Voltage

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



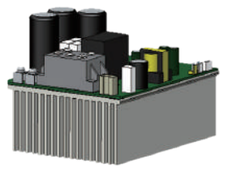
Linear power supply
(Linear inverter
+
Voltage-regulation chip)

Switching power supply
(High-frequency inverter
+
Switching chip)

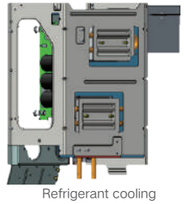
Refrigerant Cooling Technology*

- Usually, air-cooled fins are adopted for heat radia-
tion. Due to large size and passive radiation, heat radiating effect is unsatisfactory; with refrigerant cooling technology, heat radiating effect is much better because of compact structure and active radiation. Module temperature is dropped from 80℃ to 65 ℃,

*: This feature is applicable for GMV5 slim only.



Common heat radiation



Refrigerant cooling

Easy Installation and Transportation

Ultra-long Connection Pipe for More Convenient Connection

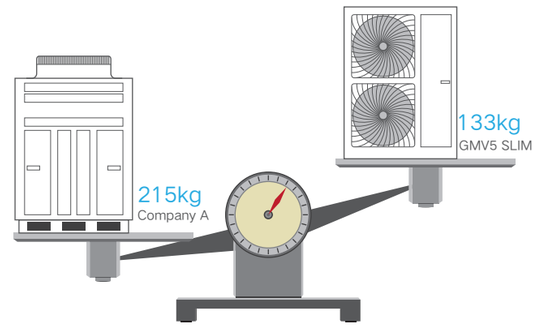
Under the subcooling control technology gained by adding subcooler, the indoor unit and outdoor unit ofGMV5 mini can operate reliably with longer connection pipe.

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

Top Advanced Light and Compact Size

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





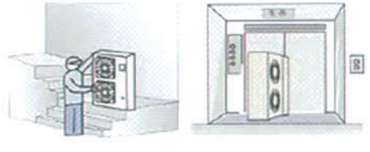
Easy Installation with Lower Construction Cost

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



Movement by Stairs and Elevator

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



Outdoor Unit Lineup

GMV5 MINI

HP	Model	Product
5	GMV-141WL/C-T	

GMV5 MINI

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

GMV5 SLIM

HP	Model	Product
8	GMV-224WL/C-X GMV-224WL/D-X GMV-224WL/D1-X	
10	GMV-280WL/C1-X	
12	GMV-335WL/C1-X	

GMV5 MINI

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

Model			GMV-141WL/C-T
Capacity range		HP	5
Cooling capacity	Rated*3	kW	14.1
	Max.	kW	14.1
Heating capacity	Rated*3	kW	14.1
	Max.	kW	16.0
SEER	Ducted*3	-	5.85
	Cassette*3	-	5.73
SCOP	Ducted*3	-	3.74
	Cassette*3	-	3.86
Power supply		V/Ph/Hz	220-240V ~50Hz & 208-230V ~60Hz
Min.circuit/Max.fuse current		A	35.8/40
Maximum drive IDU NO.		unit	8
Refrigerant charge volume		kg	3.3
Sound power level(cooing)	Ducted*3	dB(A)	77
	Cassette*3	dB(A)	77
Connecting pipe	Liquid	mm	Φ9.52
	Gas	mm	Φ15.9
Dimension(W × D × H)	Outline	mm	943 × 467 × 823
	Package	mm	1023 × 563 × 973
Net weight/Gross weight		kg	98/108
Loading quantity	40'GP	unit	88
	40'HQ	unit	88

Note:
(1)The ODU operation temperature range is -5~52℃ in cooling and -20~27℃ in heating.
(2)Model GMV-141WL/C-T: Heat radiation by refrigerant.
(3)The data is Eurovent certified.
(4)The outline dimensions of the outdoor unit do not include the fan grill.

Model			GMV-120WL/C-T	GMV-140WL/C-T	GMV-160WL/C-T
Capacity range		HP	4	5	6
Cooling capacity	Rated*3	kW	12.1	14.0	16.0
	Max.	kW	12.1	14.0	16.0
Heating capacity	Rated*3	kW	12.1	14.0	16.0
	Max.	kW	14.0	16.5	18.0
SEER	Ducted*3	-	6.70	6.88	6.96
	Cassette*3	-	6.70	6.79	6.55
SCOP	Ducted*3	-	3.97	4.24	4.04
	Cassette*3	-	3.93	4.11	4.06
Power supply		V/Ph/Hz	220-240V ~50Hz & 208-230V ~60Hz		
Min.circuit/Max.fuse current		A	30.4/32	33.7/40	36.3/40
Maximum drive IDU NO.		unit	7	8	9
Refrigerant charge volume		kg	3.3	3.3	3.3
Sound power level(cooing)	Ducted*3	dB(A)	74	75	75
	Cassette*3	dB(A)	72	73	76
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ19.05
Dimension(W × D × H)	Outline	mm	902 × 345 × 1324	902 × 345 × 1324	902 × 345 × 1324
	Package	mm	998 × 458 × 1500	998 × 458 × 1500	998 × 458 × 1500
Net weight/Gross weight		kg	112/123	112/123	112/123
Loading quantity	40'GP	unit	57	57	57
	40'HQ	unit	57	57	57

Note:
(1)The ODU operation temperature range is -5~52℃ in cooling and -20~27℃ in heating.
(2) Heat radiation by refrigerant.
(3)The data is Eurovent certified.
(4)The outline dimensions of the outdoor unit do not include the fan grill.

50Hz & 60Hz (380~415V)

Model			GMV-120WL/C-X	GMV-140WL/C-X	GMV-160WL/C-X
Capacity range		HP	4	5	6
Cooling capacity	Rated*2	kW	12.1	14.0	16.0
	Max.	kW	12.1	14.0	16.0
Heating capacity	Rated*2	kW	12.1	14.0	16.0
	Max.	kW	14.0	16.5	18.0
SEER	Ducted*2	-	6.70	6.88	6.96
	Cassette*2	-	6.70	6.79	6.55
SCOP	Ducted*2	-	3.97	4.24	4.04
	Cassette*2	-	3.93	4.11	4.06
Power supply		V/Ph/Hz	380-415V 3N ~ 50/60Hz		
Min.circuit/Max.fuse current		A	11.1/16	12/16	12.5/16
Maximum drive IDU NO.		unit	7	8	9
Refrigerant charge volume		kg	3.3	3.3	3.3
Sound power level(cooing)	Ducted*2	dB(A)	74	75	75
	Cassette*2	dB(A)	72	73	76
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ19.05
Dimension(W × D × H)	Outline	mm	902 × 345 × 1324	902 × 345 × 1324	902 × 345 × 1324
	Package	mm	998 × 458 × 1500	998 × 458 × 1500	998 × 458 × 1500
Net weight/Gross weight		kg	122/133	122/133	122/133
Loading quantity	40'GP	unit	57	57	57
	40'HQ	unit	57	57	57

Note:
(1)The ODU operation temperature range is -5~52℃ in cooling and -20~27℃ in heating.
(2)The data is Eurovent certified.
(3)The outline dimensions of the outdoor unit do not include the fan grill.

GMV5 SLIM

GMV5 SLIM 50Hz & 60Hz

Model			GMV-224WL/C-X	GMV-224WL/D-X	GMV-224WL/D1-X	GMV-280WL/C1-X	GMV-335WL/C1-X
Capacity range		HP	8	8	8	10	12
Cooling capacity	Rated*2	kW	22.4	22.4	22.4	28.0	33.5
	Max.	kW	22.4	22.4	22.4	28.0	33.5
Heating capacity	Rated*2	kW	22.4	22.4	22.4	28.0	33.5
	Max.	kW	24.0	24.0	24.0	28.0	33.5
SEER	Ducted*2	-	6.85	6.85	6.85	6.36	7.16
	Cassette*2	-	6.82	6.98	6.98	6.28	6.29
SCOP	Ducted*2	-	4.27	4.44	4.44	4.68	4.69
	Cassette*2	-	4.31	4.38	4.38	4.53	4.16
Power supply		V/Ph/Hz	380-415V 3N~ 50/60Hz				
Min. circuit/Max. Fuse current		A	17.2/20	19/25	19/25	22.5/25	24.5/32
Max.drive IDU NO.		unit	13	16	16	17	20
Refrigerant charge volume		kg	5.5	5.0	5.0	7.1	8.5
Airflow rate		m^3/h	8000	9500	9500	11000	11000
Sound power level(Cooling)	Ducted*2	dB(A)	78	80	80	80	80
	Cassette*2	dB(A)	78	78	78	80	81
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7
	Gas	mm	Φ19.05	Φ19.05	Φ19.05	Φ22.2	Φ25.4
Dimension(W*D*H)	Outline	mm	940 × 320 × 1430	940 × 460 × 1615	940 × 460 × 1615	940 × 460 × 1615	940 × 460 × 1615
	Package	mm	1038 × 438 × 1580	1038 × 578 × 1765	1038 × 578 × 1765	1038 × 578 × 1765	1038 × 578 × 1765
Net weight/Gross weight		kg	133/144	143/156	143/156	163/175	174/187
Loading quantity	40' GP	set	57	44	44	44	44
	40' HQ	set	57	44	44	44	44

Note:
(1)The ODU operation temperature range is -5~52℃ in cooling and -20~27℃ in heating.
(2)The data is Eurovent certified.
(3)The outline dimensions of the outdoor unit do not include the fan grille.

GMV5 HOME

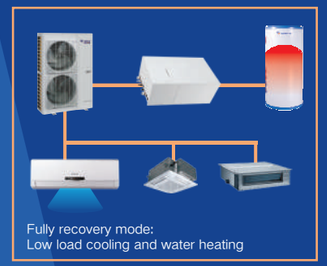


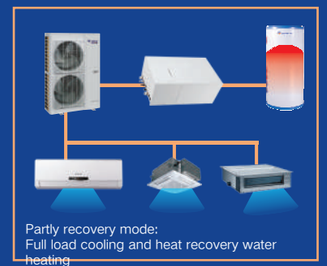
Key Features

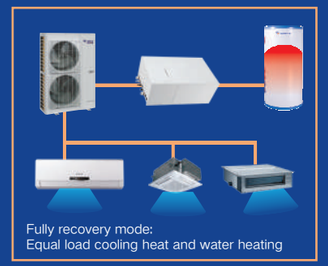
Five Basic Modes

Unique five-mode operation is a breakthrough in traditional heat recovery technology where heating and water-heating cannot be achieved at the same time.

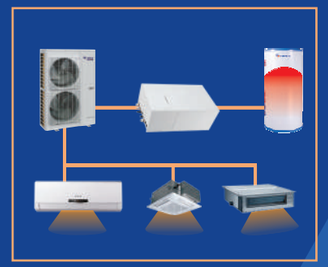
1 Cooling + Water Heating
When the system is operating with both Indoor Air Cooling Mode and Water Heating Mode, it can recover the wasted condensing heat to generate hot water which is free of charge, and lowers the heat pollution to atmosphere as well.


Fully recovery mode:
Low load cooling and water heating


Partly recovery mode:
Full load cooling and heat recovery water heating


Fully recovery mode:
Equal load cooling heat and water heating

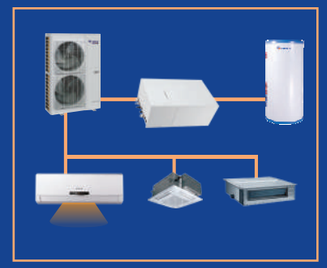
2 Heating + Water Heating
The outdoor unit can absorb the heat from outdoor ambient air and operate with Indoor Air Heating Mode and Water Heating Mode at the same time.



3 Cooling Only



4 Heating Only



5 Water Heating Only



Auto Heat Recovery in Cooling

When the indoor units are set in cooling mode, the heat which should be discharged into the environment is transferred to hot water. While you are enjoying the coolness brought by the air conditioner in summer, you can also enjoy free hot water. Meanwhile, the condensation effect of water tank is better than air-cooled outdoor unit. System high pressure is reduced and energy consumption is reduced by 10%.



When the indoor units are in cooling mode, the system will recover residual heat automatically for heating water.
Note: this function is defaulted on when ex-factory.

3 Super Function

- **Air Source Heat Pump Technology**

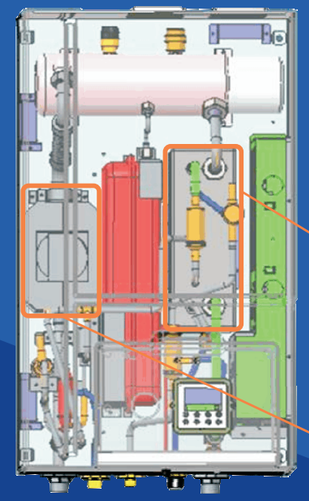


Heat Pumps take thermal energy from the outside air. In order to take energy from the air the heat pump needs a bit of energy to startwith:GMV5 Home requires only 1 kW of electricity to pump over 4 kW of heat into your home. In other words, extracting heat from air sources requires just 1kW of electrical input in order to generate over 4kW of heating output, more than 80% of the heat produced by GMV5 Home comes from the outside air and is free of charge.

- **Heat Recovery Technology**



Thanks to the perfect technology of Heat Recovery, during cooling operation, the condensing heat is recovered and reused to generate hot water for domestic use, which is free of charge.



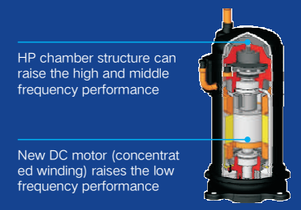
- **All DC Inverter Technology**

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

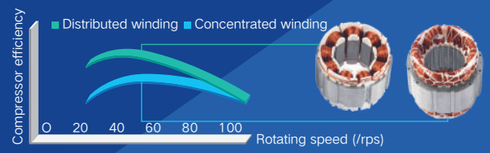
All DC Inverter Compressor

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



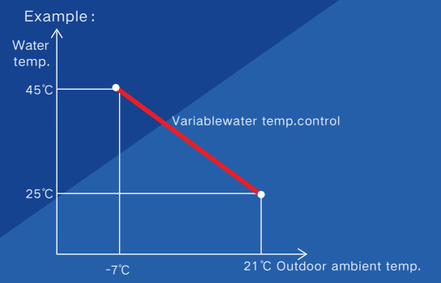


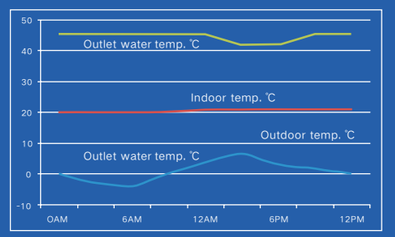
High-efficient permasyn motor is adopted to provide better performance than traditional Dcinverter compressor.



Auto Control Technology of Water Temperature

The auto control technology of water temperature can realize auto adjustment of floor heating water supply temperature, maintain stable indoor temperature, prevent over-cooling or over-heating and ensure the comfort of user.

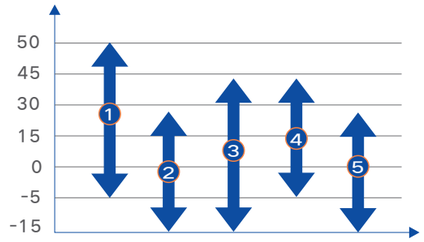




Wide Range of Operation Condition

Outdoor operation temperature range is improved to -5℃~50℃ in cooling and -15℃~24℃ in heating.

	Mode	Outdoor Condition(DB℃)
1	Cooling	-5~50
2	Heating	-15~24
3	Water heating	-15~43
4	Cooling and water heating	-5~43
5	Heating and water heating	-15~24

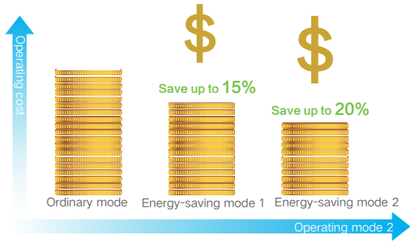


New Generation of Energy-saving Operation Control Technology with Energy Saving Up to 20%

The GMV5 Home system has 2 modes for energy saving, which can be chosen to meet different electricity demands.

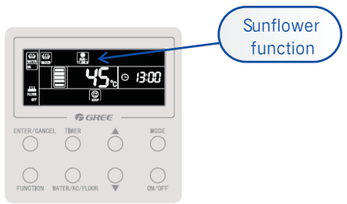
Mode 1:
In auto energy-saving mode, the system will self-adjust parameters according to the operation status, thus to lower the cost of electricity. Up to 15% of energy can be saved.
Mode 2:
In compulsory energy-saving mode, the system will limit power output forcibly. Up to 20% of energy can be saved.

*Note: This function is for the outdoor unit of 22.4kW and 28kW only.



Sunflower Function

Sunflower function is adopted. Water will be heated when outdoor ambient temperature is the highest for saving energy.



3D Heat Supply Technology

"Heating + floor heating" mode

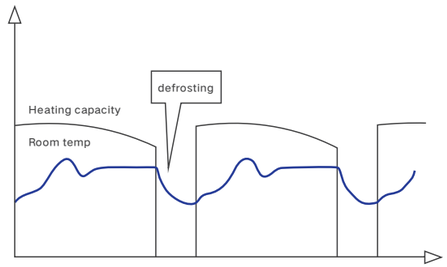
"Air conditioner+floor heating" in the same room can be turned on simultaneous.
*Note:This function is available when these two modes are turned on in just a few rooms.



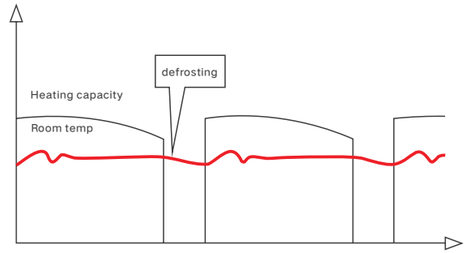


Intelligent Water Tank Defrosting Technology

During defrosting of conventional unit, indoor unit will switch to low pressure side(indoor heat getting) and room temperature will decrease by 4~6℃ after finishing defrosting; GMV5 Home adopts creative intelligent water tank defrosting technology. When the heat in external coil water tank is sufficient for defrosting, heat will be got from external coil water tank automatically during defrosting. Indoor temperature fluctuation is within 2℃ with no flow noise of indoor unit, which greatly improves heating comfort.



Conventional heat pump unit

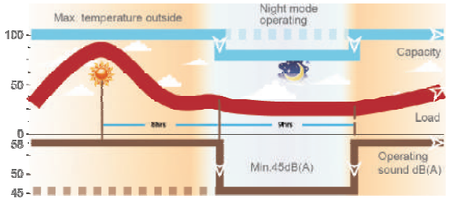


GMV5 Home

Outdoor Unit Quiet Mode and Quiet Control

- **Quiet at night**

The system can memorize and judge the highest outdoor temperature. When the system enters low load operation at night, the system will enter quiet mode operation automatically. According to the requirements of actual application, the system can be set in nine quiet modes. For example, the unit will enter night operation mode automatically after operating for 8 hours and resume normal operation mode after 9 hours.



- **Quiet at compulsion**

In some applications with high requirement on noise (such as villas, resorts), you can set the unit in forced quiet mode to ensure the unit operate in low noise mode in anytime. Forced quiet mode has three options, in which noise is as low as 45dB(A).

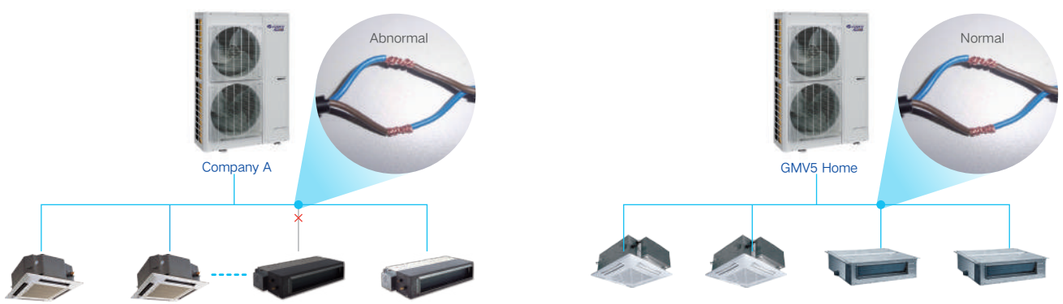


Non-polar CAN Technology to Improve Communication Efficiency

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

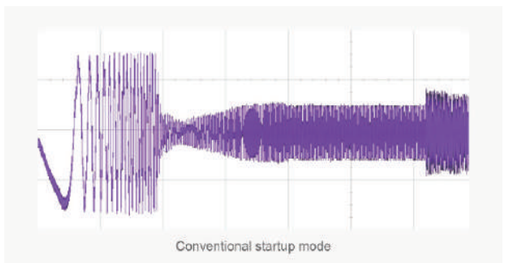
Performance Index	Company A Multi-VRF Network	GMV5 Home DC Inverter CAN Network
Reliability	Software check	Hardware check, more reliable
	One unit's communication error may lead to breakdown of the whole network	If one unit has errors, it will exit from the network without any influence to other units.
Communication Efficiency	Low utilization	High utilization
	Communication speed is about 10Kbps.	Communication speed is 20Kbps.
Compatibility	One main network, difficult to add new equipment	Multiple main networks, easy to add new equipment.
Communication Distance	1000m	1500m

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



Compressor Closed-loop Startup Technology with More Reliable Startup

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



High Anti-interference Ability

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

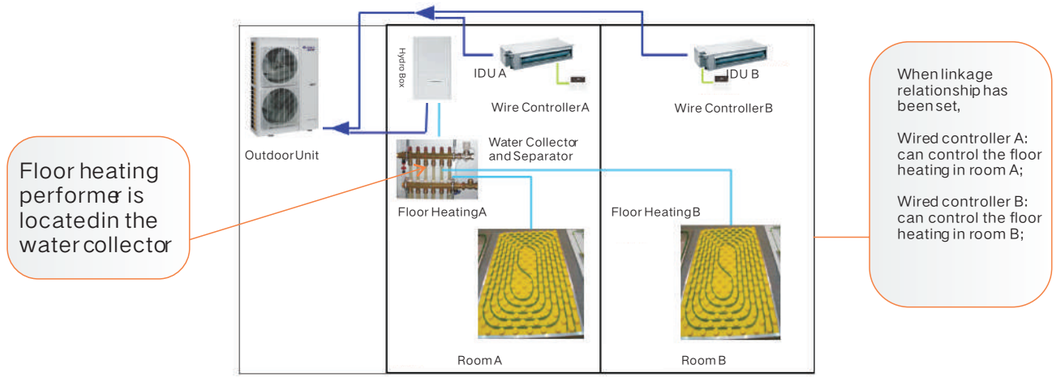


Independent Control Technology

IDU wired controller can be linked with floor heating performer:

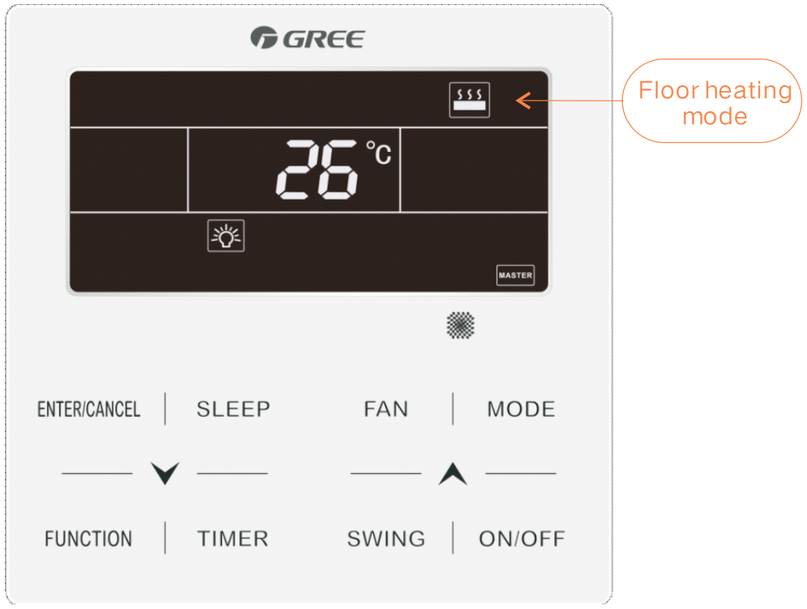
- IDU wired controller can independently control the startup and stoppage of floor heating in corresponding
- room;

The unit can detect indoor ambient temperature directly to control the startup and stoppage of floor heating in corresponding room. Compared with previous water heater, it is more energy-saving and capable of providing more comfort.



Intelligent Floor Heating Control Technology

The hydro box is equipped with the interface for floor heatingperformer(single phase 220V~),which can be connected with floor heating performer; the wired controller of IDU can control the floor heating performers in the room and the user doesn't need to buy floor heating temperature controller.



Intelligent Debugging for Convenient Construction

The hydro box is equipped with the interface for floor heatingperformer(single phase 220V~),which can be connected with floor heating performer; the wired controller of IDU can control the floor heating performers in the room and the user doesn't need to buy floor heating temperature controller.

GMV5 HOME has five auto debugging features:

- Auto location of IDU and ODU addresses;
- Auto detection of IDU and ODU quantity;
- Auto detection of errors;
- Auto startup of debugging;
- Real-time judgment of pipe errors.

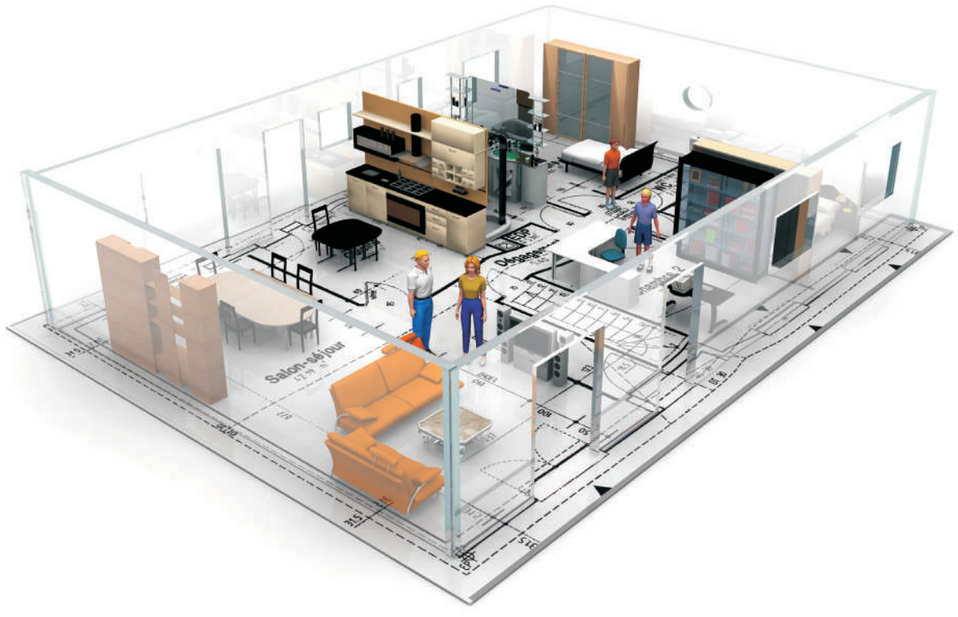
Auto Addressing of Outdoor and Indoor Unit

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



Manual Addressing
Company A

Auto Addressing
GMV5 Home



GMV5 HOME

GMV5 Home is a new generation of multi VRF system developed by Gree, integrating “central air conditioning + hot water + floor heating”.

Outdoor Unit



Water Tank



SXTD200LC JW/A-K*2



Hydro Box



Hot water converter*1



Golden fin condenser

Inner groove copper

Compact design

High efficiency

Wide voltage range

Easier maintainability

》 High efficiency and energy savings. The self-developed DC inverter technology stimulates the intelligence and integration of the system. In full heat recovery mode of “cooling + hot water”, the ECOP is up to 7.0; DC inverter water pump is adopted, which has apparent advantages in energy savings, flow-lift regulating range and performance curve.

》 Optional quiet modes. The system has got night quiet mode and forced quiet mode, with operation noise as low as 45dB(A).

》 Unique comfort functions. The system has got auto heat recovery function in cooling; the heat is recovered automatically for heating water; water heating and floor heating can be available simultaneously; 3D heat supply provides more comfort; the optimized defrosting reduces the fluctuation of indoor temperature.

Iteml	Nominal operating condition(temperature)					
	Outdoor condition		Indoor condition		Water	
	DB(℃)	WB(℃)	DB(℃)	WB(℃)	Start(℃)	End(℃)
Cooling	35	24	27	19	/	/
Heating	7	6	20	15	/	/
Hot water	20	15	/	/	15	55

	Mode	Outdoor condition(℃)
Operation range	Cooling	-5~50
	Heating	-15~24
	Water heating	-15~43
	Cooling and water heating	-5~43
	Heating and water heating	-15~24

Hydro Box

Model				NRQD16G/A-S
Heating capacity			kW	4.5(3.6-16)
Dimension (W×D×H		Outline	mm	500×919×328
		Package	mm	1158×608×400
Power supply			V/Ph/Hz	220-240V ~ 50/60Hz
Connecting pipe	to ODU	Gas	mm	Φ15.9
		Liquid	mm	Φ9.52
		Gas(high pressure)	mm	Φ12.7
	to water tank		mm	Φ25
Water pump		Type	—	PB-2.5/11-A
		Power input	kW	0.08-0.14
		Water flow	L/h	1700.00
			GPM	7.48
		Delivery lift	m	6.00
Net weight/Gross weight			kg	56/62
Loading quantity	40'GP/40'HQ		unit	1058/1196

Hot Water Converter

Model			NRZ16G/A-S
Heating capacity		kW	4.5(2.8~5.6)
Dimension (W×D×H)	Outline	mm	370×135×485
	Package	mm	473×238×660
Power supply		V/Ph/Hz	220-240V ~ 50/60Hz
Connecting pipe to ODU	Gas	mm	Φ15.9
	Liquid	mm	Φ9.52
	Gas(high pressure)	mm	Φ12.7
Net weight/Gross weight		kg	8.5/13.5
Loading quantity	40'GP/40HQ	unit	660/880

Water Tank

Model		SXTD200LCJW/A-K
Capacity	L	185
Power supply for electric heater	-	220-240V~50Hz
Input power for electric heater	W	1500
Max. operation pressure	Mpa	0.70
Outline dimensions(W × D × H)	mm	462 × 462 × 1944
Package dimensions(W × D × H)	mm	583 × 583 × 2045
Water tank gross/net weight	kg	88/75
Outer size of connection pipe	mm	Φ6, Φ9.52
Material of inner tank	-	Enamel
Made of defending cauterization	-	Mg anode

Note:
*1: The hot water converter is only matched with the outdoor unit model of GMV(120~160)WL/A-S.
*2: The hot water converter is only matched with the water tank model of SXTD200LCJW/A-K.
*3: Please consult the sales person for the water tank.

Model			SXTVD300LCJ2/A-K
Water tank volume		L	300
Power supply		V/Ph/Hz	230V~50Hz
Electric heater power		W	3000
Screw thread spec of pipe	Cool water inlet	inch(mm)	Φ1/2"Female BSP(12.7)
	Hot water outlet	inch(mm)	Φ1/2"Female BSP(12.7)
Dimension — Outline	Diameter×H	mm	Φ620×1722
Dimension — Packaged	W×D×H	mm	743×743×1875
Net weight/Gross weight		kg	157.5/140
Loading quantity	40'GP/40'HQ	unit	63/63

Outdoor Unit

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

GREE participates in the ECP programme for VRF with Diploma No. 17.02.283. Check ongoing validity of certificate: www.eurovent-certification.com

Model			GMV-S120WL/A-S	GMV-S140WL/A-S	GMV-S160WL/A-S
Capacity range		HP	4	5	6
Cooling capacity	Rated*	kW	12.1	14.0	16.0
	Max.	kW	12.1	14.0	16.0
Heating capacity	Rated*	kW	12.1	14.0	16.0
	Max.	kW	14.0	16.5	18.5
SEER	Ducted*	-	6.70	6.88	6.96
	Cassette*	-	6.70	6.79	6.55
SCOP	Ducted*	-	3.97	4.24	4.04
	Cassette*	-	3.93	4.11	4.06
Power supply		V/Ph/Hz	220-240V ~50/60Hz		
Min.circuit/Max.fuse current		A	27/32	31/32	33/40
Maximum drive IDU NO.		unit	6	7	8
Refrigerant charge volume		kg	5	5	5
Sound power level(cooing)	Ducted*	dB(A)	74	75	75
	Cassette*	dB(A)	72	73	76
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ19.05
	Gas(high pressure)	mm	Φ12.7	Φ12.7	Φ12.7
Dimension(W × D × H)	Outline	mm	902 × 345 × 1324	902 × 345 × 1324	902 × 345 × 1324
	Package	mm	998 × 458 × 1500	998 × 458 × 1500	998 × 458 × 1500
Net weight/Gross weight		kg	113/123	113/123	113/123
Loading quantity	40'GP	unit	57	57	57
	40'HQ	unit	57	57	57

Note:
*The data is Eurovent certified.
*GREE is committed to continuously improving our products to ensure the higher quality and reliability standards, and to meet local regulations and market requirements, specification, design and feature are subject to change without prior notice.
*The outline dimensions of the outdoor unit do not include the fan grill.



GMV INDOOR UNITS

Indoor Unit Lineup

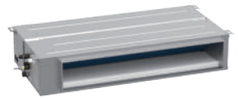
Type			1.5	1.8	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0	9.0	10.0	11.2	12.5	14.0	16.0	18.0	22.4	25.0	28.0	40.0	45.0	56.0
Duct Type Unit	High Static Pressure				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
	High Static Pressure (B3 Series)												●	●	●	●													
	General Static Pressure			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●								
Cassette Unit	360° Air Discharge				●		●		●		●	●	●	●	●	●	●	●	●	●	●	●								
	360° Air Discharge Compact		●	●	●		●		●		●	●	●																
	2-way						●		●		●	●	●	●	●	●													
	1-way				●		●		●		●	●	●																
Fresh Air Processing Indoor Unit																					●	●		●	●	●		●	
Wall-mounted Type Unit			●	●	●		●		●		●	●	●	●	●	●	●	●											
Floor Ceiling Type Indoor Unit							●		●			●	●	●	●		●		●	●	●	●							
Floor Standing Type Indoor Unit																		●			●								
Console Indoor Unit					●		●		●		●	●																	
Concealed Floor Standing Type Indoor Unit					●		●		●		●		●	●	●														
AHU KIT									●						●						●					●			●

Quick Review of IDU Functions

Types of Indoor Unit		GMV5/ GMV6 Universal	Indoor Tempe -rature Detection Point (Optional)	Indoor Temperature Detection and Revision	Static Pressure Adjustment	Fresh Air Device (Optional)	PM2.5 Filter (Optional)	Filter Washing Reminding	Intelligent Sensing Air Supply (Optional)	Auto Add -ressing	CAN+ Commu -nication	Singe/ Parallel Connection	Power- off Memory	Low-temp Anti-frost	SET BACK	Manage -ment of schedule	Intelligent Billing System
Duct Type Unit	High Static Pressure	●	●	●	●		●	●		●	●	●	●	●	●	●	●
	Medium Static Pressure	●	●	●	●		●	●		●	●	●	●	●	●	●	●
	General Static Pressure	●	●	●	●			●		●	●	●	●	●	●	●	●
Cassette Unit	360 ° Air Discharge	●	●	●		●		●	●	●	●	●	●	●	●	●	●
	360 ° Air Discharge Compact	●	●	●				●		●	●	●	●	●	●	●	●
	2-way	●	●	●				●		●	●	●	●	●	●	●	●
	1-way	●	●	●				●		●	●	●	●	●	●	●	●
Fresh Air Processing Indoor Unit		●	●	●	●			●		●	●	●	●	●	●	●	●
Wall-mounted Type Unit		●	●	●				●		●	●	●	●	●	●	●	●
Floor Ceiling Type Indoor Unit		●	●	●				●		●	●	●	●	●	●	●	●
Floor Standing Type Indoor Unit		●	●	●				●		●	●	●	●	●	●	●	●
Console Indoor Unit		●	●	●				●		●	●	●	●	●	●	●	●
Concealed Floor Standing Type Indoor Unit		●	●	●	●			●		●	●	●	●	●	●	●	●

Duct Type Indoor Unit

General Static Pressure Duct Type Indoor Unit



- Capacity range 1.8-14kW
- External static pressure can be up to 80 (50) Pa
- Standard fitting condensate pump lift, maximum lifting height can be up to 1.2m
- Multiple protections: anti-freeze protection, temperature sensor faulted protection and other multiple guarantees

High Static Pressure Duct Type Unit



- External static pressure can be up to 200Pa
- Standard fitting condensate water pump lift, lifting height can be up to 1.2m
- Optional PM2.5 electrostatic fiber filter
- 9-step static pressure for adjustment, convenient for engineering application

Fresh Air Processing Indoor Unit



- DC inverter technology
- Direct evaporating cooling
- Air conditioner and fresh air function is linked
- PM2.5 filter box*

*This filter box is optional.

Cassette Type Indoor Unit

1-way Cassette Unit



- 178mm ultra-thin unit body
- Removable grille, 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 and long room
- Standard fitting 1.2m condensate water pump lift
- Streamline panel design, elegant and decent

360 ° Air Discharge Cassette Indoor Unit



- 360 ° Air Supply
- Smart sensor technology, intelligently adjust air flow*
- 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, up and down 2-way air guiding

Floor Ceiling Type Indoor Unit



- Unit can be hoisted or seated. When seated, suspended ceiling is not needed
- Air louver can swing up and down for wide air supply range
- Easy installation, piping can be conducted on the ground

Console Indoor Unit



- Uniform temperature distribution, high comfort
- Easy installation without suspended ceiling, arrangement of refrigerant pipe is flexible
- Two-way air supply, upper and lower two air outlets in upper and lower side respectively, 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, can detect the temperature of user ’s position in real time to improve comfort (work with remote controller YAP1F)

Concealed Floor Standing Type

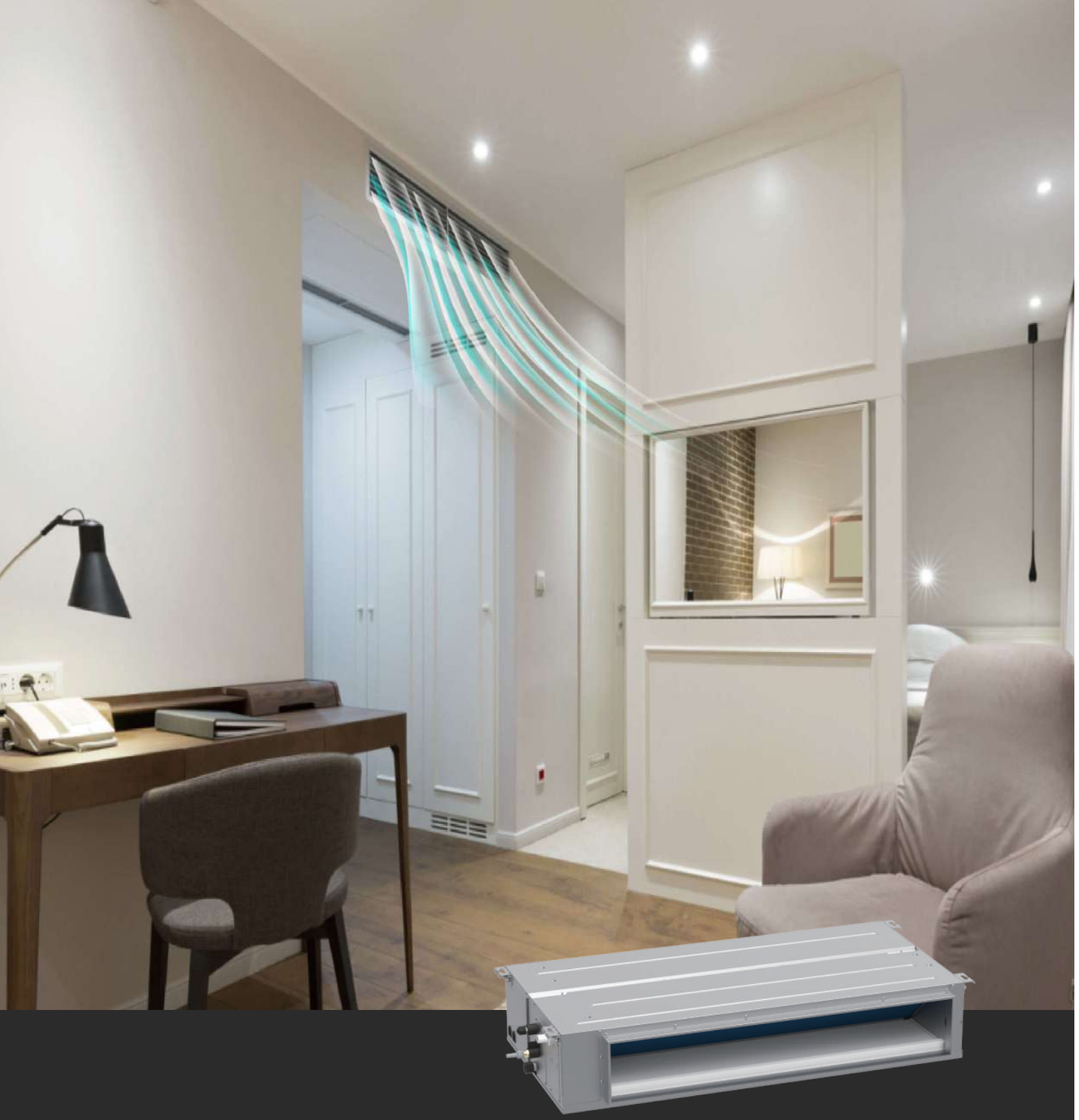


- Capacity range: 2.2~7.1kW
- Compact structure, ultra-thin unit body, only 200mm thickness in vertical installation
- Different steps of static pressure for adjustment, highest static pressure can be up to 60Pa
- Flexible installation, supporting feet design in different height, and can realize flexible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

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

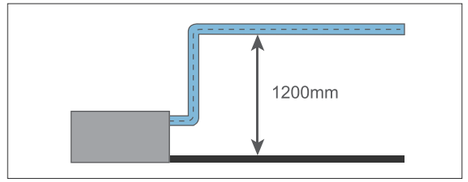


General Static Pressure Duct Type Indoor Unit

General static pressure duct type indoor unit adopts DC motor, multi-step 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.

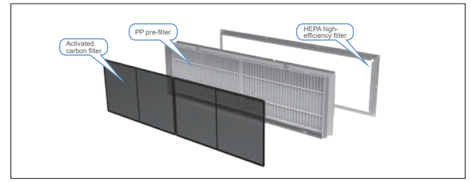
● Standard Fitting 1,200mm Condensate Water Lift Pump

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



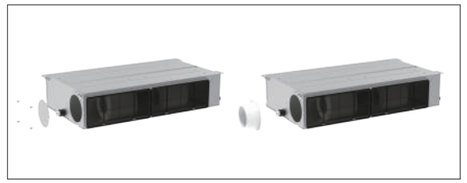
● High Efficiency Filtration

PM2.5 high-efficiency filter can effectively filtrate the PM2.5 and harmful substances in the return air, circulates and purifies the indoor air, improves the air quality, and prevents air-conditioning diseases.



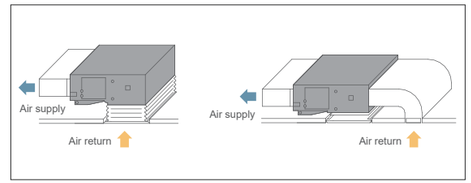
● Fresh Air Introduction Function

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



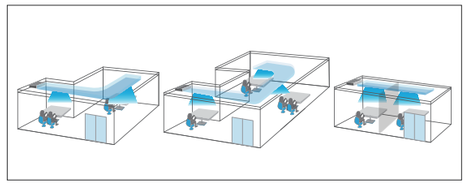
● Flexible Installation

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



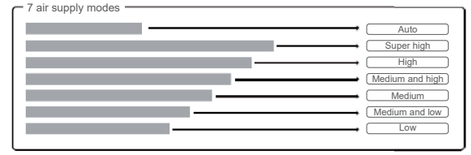
● 80Pa High Static Pressure Design, Multi-step Static Pressure to Adjust

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 notch of adjustable external static pressure, the engineering design and application is more convenient and fast.



● 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 unit through wired controller, and enable the automatic quiet function according to the indoor temperature and personnel activities. Super high step, 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.



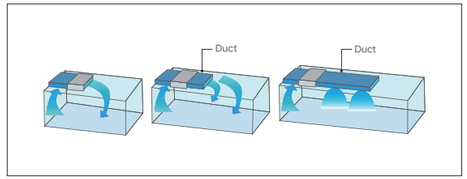
● DC Motor Design, Low Noise Operation

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



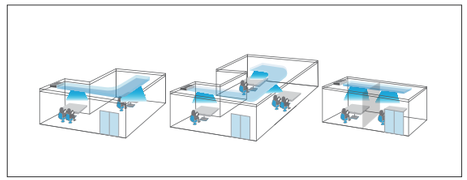
High Static Pressure Duct Type Unit

High static pressure duct type unit, with large air volume, wide static pressure adjustment range, maximum static pressure can be up to 200Pa; long air supply distance, which 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.



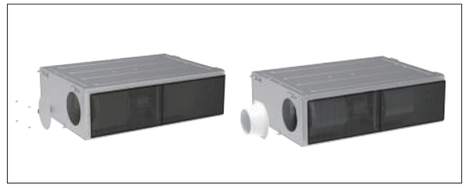
● High Static Pressure Design, Multi-step Static Pressure to Adjust

9-step adjustable external static pressure, the highest static pressure can reach 200Pa, engineering design and engineering application is more convenient and fast.



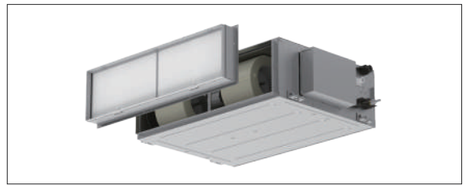
● Long-distance Air Supply

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



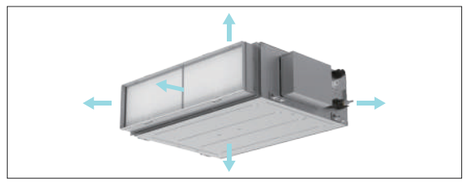
● Fresh Air Introduction Function

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



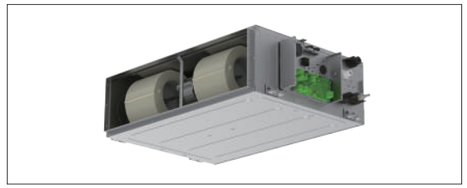
● High Efficiency Filtration

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



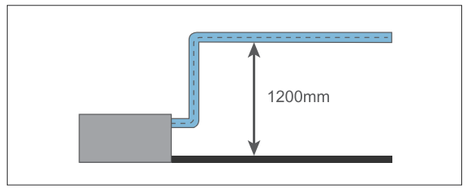
● Multi-directional Removable Filter

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



● 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.



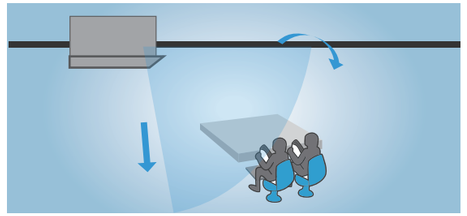
1-way Cassette Unit

1-way cassette unit, ultra-thin and compact body, effectively saves installation space, meets the air supply requirements of narrow and long rooms, walk-ways and other applications, and can be applied to households, hotels, small offices and other delicate and compact spaces.



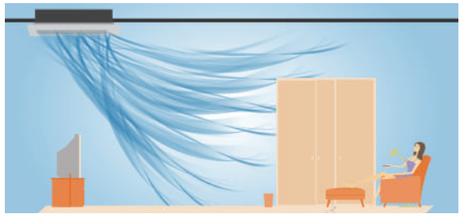
● Ultra Wide Angle Air Supply

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

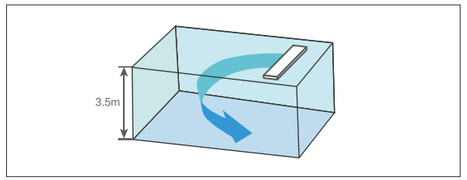


● Uniform Temperature Distribution and High Comfort

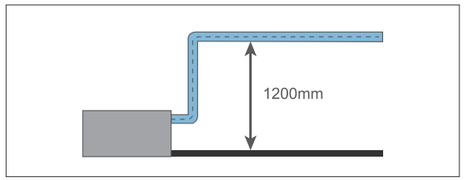
The temperature field is evenly and reasonably distributed, and the heating airflow directly reaches the ground, warming the entire room, greatly improves user comfort.



● 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.



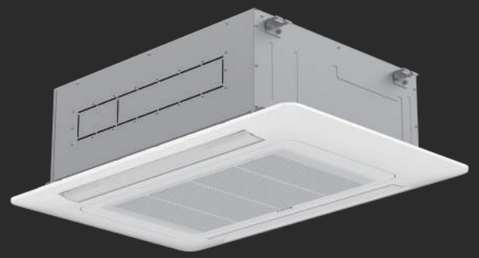
● Evaporator Auto-drying Operation

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 mold.

● Anti-fouling Design

By adjusting the angle of the air deflector, avoid infecting the ceiling near the air outlet.

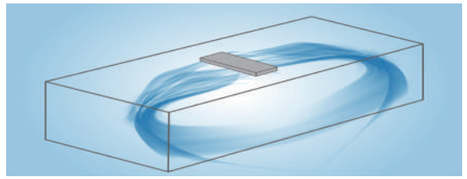
2-way Cassette Indoor Unit



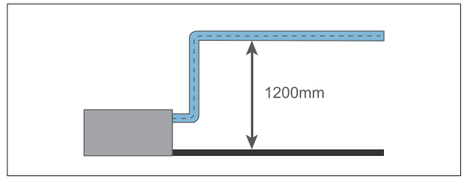
2-way cassette indoor unit adopts high-efficiency DC brushless motor and stylish appearance design, with middle air return and double-sided air supply mode for strong air volume, which can evenly supply air to all parts of the room, widely used in hotels and official buildings, shopping malls, apartments,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



● Standard Fitting 1,200mm Condensate Water Lift Pump



● 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.

● Anti-fouling Design

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 (XE70-33/H).

● Quiet Fan Blade Design, Low Noise Operation

Using 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.

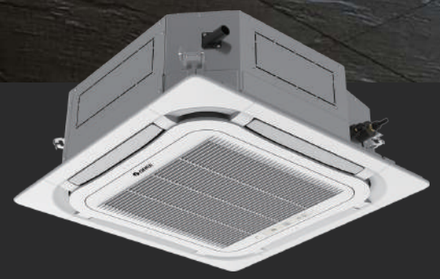
● Compact Body Design

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 Control

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.



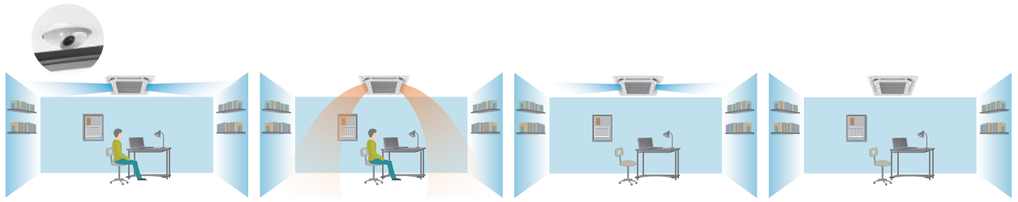


360 ° Air Discharge Cassette Indoor Unit

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. Optional human sensory function, the control is more intelligent and user-friendly.

● 360 ° Overall Temperature Field Identification

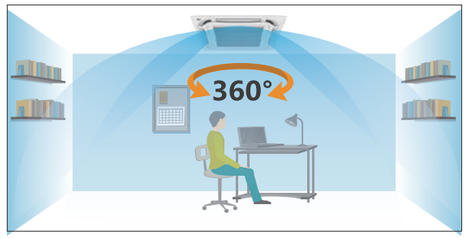
Intelligent sensory function control, high temperature field recognition accuracy, realize cold wind avoiding people, hot wind following people, to avoid direct blowing of the human body; when it detects that no one is indoors, it automatically adjusts the set temperature; if there is no one indoors for long, the unit will be automatically shut off.



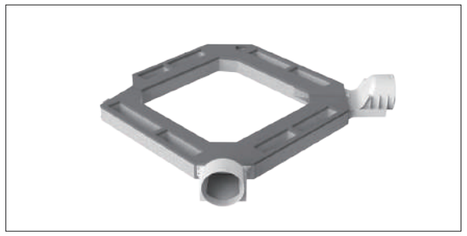
*This function should be customized and needs to be used with wired controller XE70-33/H.

● 360 ° Surrounding Airflow

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

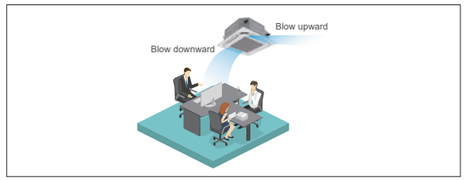


● Optional fresh air fitting can effectively introduce 8 ~ 10% of outdoor fresh air and improve indoor comfort.



● 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.



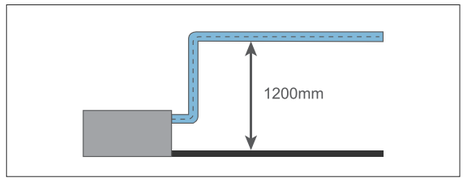
* This function needs to be used with wired controller XE70-33/H.

● 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.

● 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 for more convenient maintenance.



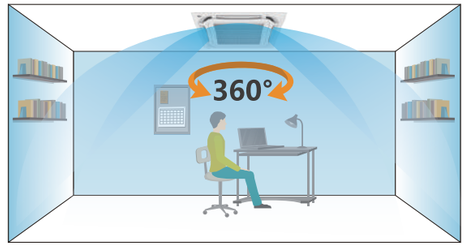
*Optional fitting, please consult engineering and technical personnel.





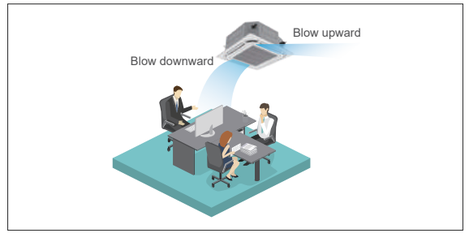
360 ° Air Discharge Compact Cassette Indoor Unit

360 ° air discharge compact cassette, 8 models in the whole series, capacity range: 1.5kW ~ 5.6kW. Newly designed 360 ° air outlet panel can achieve 360 ° 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

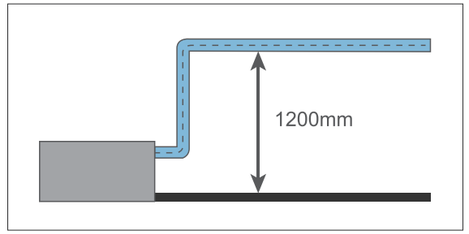
The newly designed 360 ° surrounding airflow has a wide air supply range, more uniform airflow organization and temperature distribution, avoiding partial hot and cold, and providing a more comfortable user experience.



● Independent Swing Control

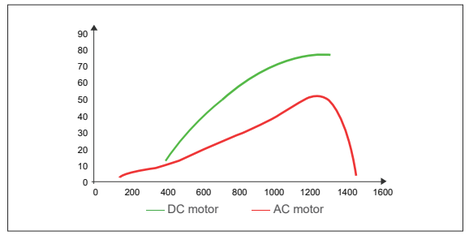
The four air louvers can be controlled independently, and direction of air supply can be regulated independently to achieve different angles of air supply and avoid direct wind blowing to people.

* This function needs to be used with wired controller XE70-33/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 reliable long-term operation, including water full protection, anti-freezing protection, fan error protection, etc.

Wall-mounted Type Indoor Unit



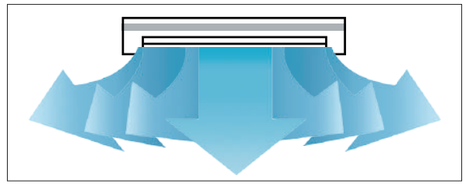
The whole series adopt high-efficiency DC motor, stylish design, simple and easy panel disassembly, convenient cleaning design, uniform air flow distribution, and wide air supply range. It can blow the wind to every corner of the room. It is widely used in various places such as houses, hotels, apartments,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

● Easy Installation

Wall-mounted installation, without occupying floor space, and no need to suspend ceiling, arrangement of refrigerant pipe is flexible.

● 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 Angle 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

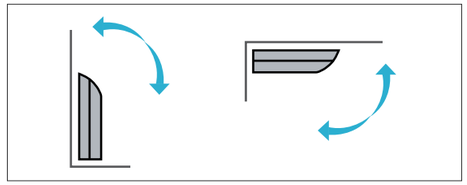
Anti-freezing protection, fan motor built-in overload protection, temperature sensor error protection.



Floor Ceiling Type Indoor Unit

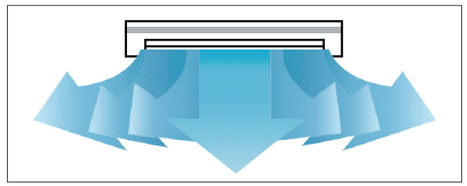


Floor ceiling type indoor unit, installation method of the unit has two types: seated type and suspending type, which is decent without hoisting installation. It is suitable to multiple applications such as hotel, office building, shopping mall, apartment, villa, household, etc.



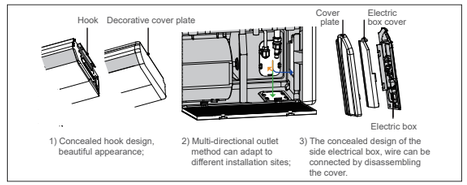
● Flexible Installation

The unit can be seated or hoisted, the flexible and convenient installation method can give customers more installation choices. When seated, the installation is more convenient.



● 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.



● Easy Installation

By adjusting the angle of the air deflector, avoid infecting the ceiling near the air outlet.

● 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

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

● Uniform Temperature Distribution and High Comfort

The temperature field is evenly and reasonably distributed, and the heating airflow directly reaches the ground, warming the entire room, greatly improves 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, temperature sensor error protection.

● Strong and Fast

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

● Washable Filter

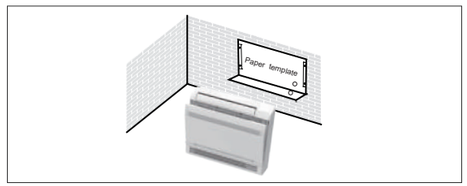
The long-life filter can be disassembled and cleaned, for easier maintenance.

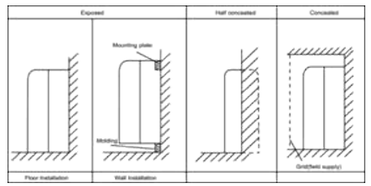
● Two-way Air Supply

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 flexible and free.



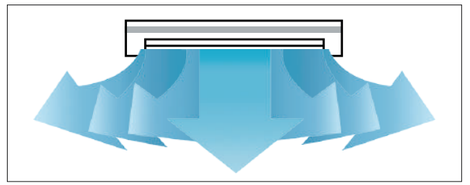


Floor Standing Type

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

Using high-efficiency centrifugal fan blades and quiet valves, noise of the whole unit is greatly reduced.

* Work with remote control YAP1F

● Strong and Fast

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





Concealed Floor Standing Type

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

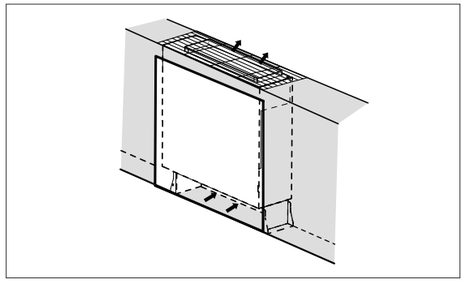
The brushless DC motor realizes stepless speed adjustment, and can set the automatic quiet mode through wired controller to make the operation quieter.

● 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 seated installation.

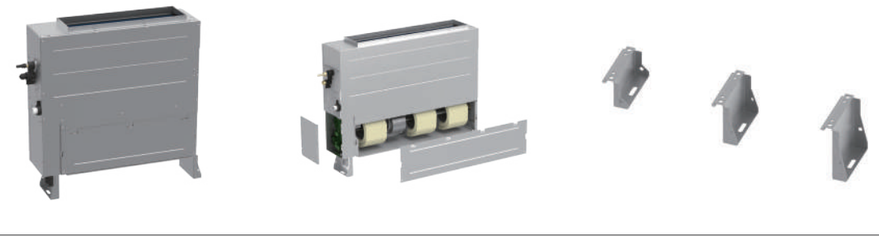
● High Static Pressure Design, Multi-step Static Pressure to Adjust

On the basis of the limited vertical return air space structure, the 5-step 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.



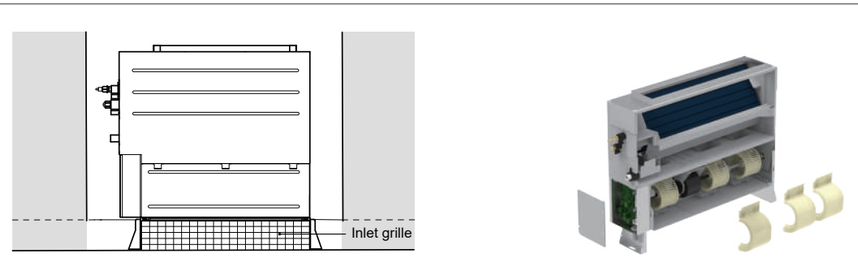
● Flexible installation

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.





AHU-KIT

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

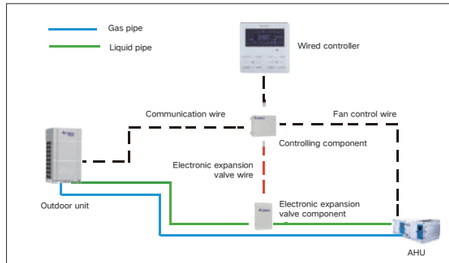
[Function]: Connect the direct-expansion air handling unit (Gree's or the third-party's) to the Gree multi VRF system, so that the air handling unit has the functional advantages of multi VRF unit.

Connection

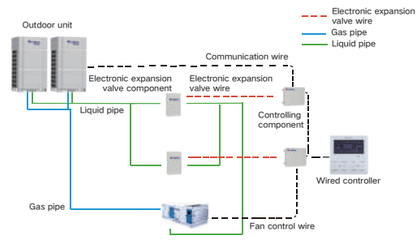
The AHU-KIT with the air handling unit can be used as a multi VRF indoor unit to connect to a multi VRF outdoor unit. The connection is limited by the outdoor unit. There are the following three types of connections:

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 AHU-KIT should be between 50% and 110% of the outdoor unit's capacity.



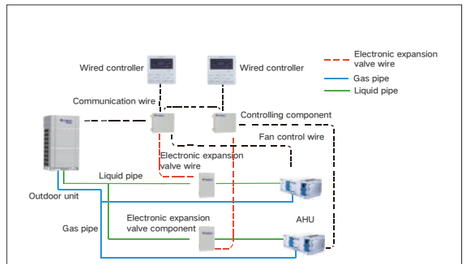
AHU-KIT one to one (single unit) connection (7.1kW≤capacity≤84kW)



AHU-KIT one to one (parallel) connection (84kW＜capacity≤252kW)

One to More (only DX AHU unit)

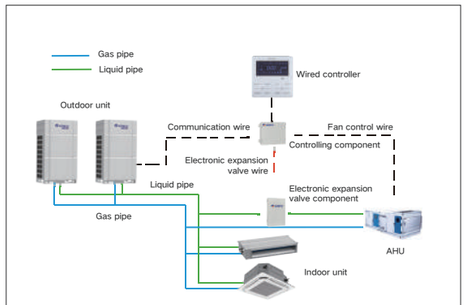
Multiple sets of AHU-KIT-air handling units can be connected to one multi VRF outdoor unit. Total capacity of the AHU-KIT should be between 50% and 110% of the outdoor unit's capacity. (Take one for two as an example)



AHU-KIT one to more connection (2.8kW≤capacity≤84kW)

One to More (DX AHU unit + GMV indoor unit)

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.



AHU-KIT one to more (mixed) connection (2.8kW≤capacity≤28kW)

*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

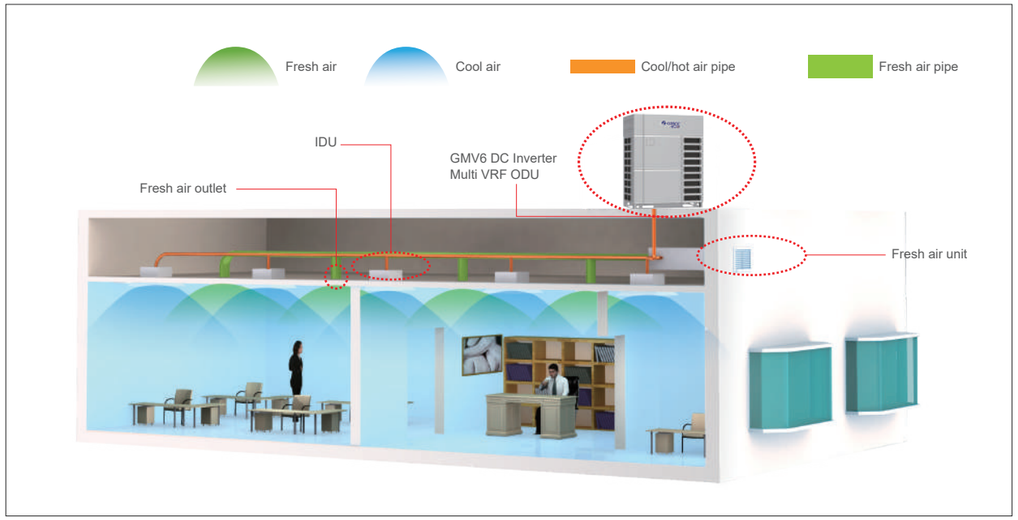
- DC inverter technology: adjust the capacity output according to actual needs, ensure stable humidity and reduce power consumption.

- Direct evaporative refrigeration: 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, saving both worry and electricity.

- PM2.5 filter box*: Built-in coarse-effect filter and high-efficiency filter, in order to filter large particles of pollutants and PM2.5, PM10, so that you can enjoy fresh outdoor air without leaving the house.

* The filter box is an optional function



Specifications of Indoor Units

Indoor Unit

High Static Pressure Duct Type Indoor Unit

Model			GMV-ND22PHS/B-T	GMV-ND25PHS/B-T	GMV-ND28PHS/B-T	GMV-ND32PHS/B-T	GMV-ND36PHS/B-T
Cooling capacity	Rated	kW	2.2	2.5	2.8	3.2	3.6
Heating capacity	Rated	kW	2.2	2.5	2.8	3.2	3.6
	Max.	kW	2.5	2.8	3.2	3.6	4.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz				
Power consumption		W	55	55	55	65	65
Airflow volume(H/M/L)		m^3/h	550/480/400	550/480/400	550/480/400	600/500/420	600/500/420
Rated Current	Cooling	A	0.5	0.5	0.5	0.5	0.5
	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 level(H/M/L)		dB(A)	33/30/28	33/30/28	33/30/28	33/31/29	33/31/29
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300
	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
Loading quantity	40 ' GP	unit	168	168	168	168	168
	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-T
Cooling capacity	Rated	kW	4.0	4.5	5.0	5.6	6.3
Heating capacity	Rated	kW	4.0	4.5	5.0	5.6	6.3
	Max.	kW	4.5	5.0	5.6	6.3	7.1
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz				
Power consumption		W	85	85	85	90	90
Airflow volume(H/M/L)		m^3/h	850/700/600	850/700/600	850/700/600	1000/800/700	1000/800/700
Rated Current	Cooling	A	0.5	0.5	0.5	0.8	0.8
	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 level(H/M/L)		dB(A)	36/34/32	36/34/32	36/34/32	37/35/33	37/35/33
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	1000 × 700 × 300	1000 × 700 × 300
	Package	mm	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360	1205 × 813 × 360	1205 × 813 × 360
Net weight/Gross weight		kg	34/40	34/40	34/40	43/49	43/49
Loading quantity	40 ' GP	unit	168	168	168	138	138
	40 ' HQ	unit	196	196	196	161	161

Model			GMV-ND71PHS/B-T	GMV-ND80PHS/B-T	GMV-ND90PHS/B-T	GMV-ND100PHS/B-T	GMV-ND112PHS/B-T
Cooling capacity	Rated	kW	7.1	8.0	9.0	10.0	11.2
Heating capacity	Rated	kW	7.1	8.0	9.0	10.0	11.2
	Max.	kW	8.0	9.0	10.0	11.2	12.5
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz				
Power consumption		W	100	100	140	140	160
Airflow volume(H/M/L)		m^3/h	1250/1050/950	1250/1050/950	1800/1450/1250	1800/1450/1250	2000/1600/1400
Rated Current	Cooling	A	0.8	0.8	1.1	1.1	1.1
	Heating	A	0.8	0.8	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 level(H/M/L)		dB(A)	38/36/34	38/36/34	40/37/35	40/37/35	40/38/36
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	1000 × 700 × 300	1000 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300
	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
Loading quantity	40 ' GP	unit	138	138	84	84	84
	40 ' HQ	unit	161	161	98	98	98

*GREE is committed to continuously improving our products to ensure the higher quality and reliability standards, and to meet local regulations and market requirements, specification, design and feature are subject to change without prior notice.

Model			GMV-ND125PHS/B-T	GMV-ND140PHS/B-T	GMV-ND160PHS/B-T	GMV-ND180PHS/B-T	GMV-ND224PH/A-T*
Cooling capacity	Rated	kW	12.5	14.0	16.0	18.0	22.4
Heating capacity	Rated	kW	12.5	14.0	16.0	18.0	25.0
	Max.	kW	14.0	16.0	18.0	20.0	25.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz				
Power consumption		W	160	220	230	350	800
Airflow volume(H/M/L)		m^3/h	2000/1600/1400	2350/1900/1650	2500/2000/1750	3000/2600/2000	4000/3600/3200
Rated Current	Cooling	A	1.1	1.5	1.5	2.0	3.7
	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 level(H/M/L)		dB(A)	40/38/36	42/39/37	44/41/38	49/47/44	54/52/49
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ19.05	Φ19.05	Φ19.05
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.0
Dimension (W × D × H)	Outline	mm	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300	1483 × 791 × 385
	Package	mm	1601 × 813 × 365	1678 × 808 × 365	1678 × 808 × 365	1678 × 808 × 365	1578 × 883 × 472
Net weight/Gross weight		kg	57/64	58/67	58/67	58/67	82/104
Loading quantity	40 ' GP	unit	84	84	84	84	60
	40 ' HQ	unit	98	98	98	98	75

Model			GMV-ND280PH/A-T*	GMV-ND400PH/AR-X*	GMV-ND450PH/AR-X*	GMV-N560PH/AR-M*
Cooling capacity	Rated	kW	28.0	40.0	45.0	56.0
Heating capacity	Rated	kW	31.0	45.0	50.0	63.0
	Max.	kW	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 consumption		W	900	2500	2550	2700
Airflow volume(H/M/L)		m^3/h	4400/4000/3600	8000/6100/5050	8200/6600/5550	10000
Rated Current	Cooling	A	4.1	2.7	4.1	5.5
	Heating	A	4.1	2.7	4.1	5.5
ESP		Pa	100/50 ~ 200	200/50~250	200/50~250	200
Sound pressure level(H/M/L)		dB(A)	55/52/50	61/59/56	62/60/57	63
Connecting pipe	Liquid	mm	Φ9.52	Φ12.7	Φ12.7	Φ15.9
	Gas	mm	Φ22.2	Φ25.4	Φ28.6	Φ28.6
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.0	1.2	1.2	1.2
Dimension (W × D × H)	Outline	mm	1686 × 870 × 450	1680 × 900 × 650	1900 × 1100 × 700	1900 × 1100 × 850
	Package	mm	1788 × 988 × 580	1923 × 1153 × 850	2123 × 1463 × 905	2123 × 1463 × 1060
Net weight/Gross weight		kg	105/140	170/220	236/317	282/364
Loading quantity	40 ' GP	unit	52	24	16	16
	40 ' HQ	unit	52	36	16	16

* This model is without water pump.

High Static Pressure Duct Type Indoor Unit(B3 Series)

Model			GMV-ND63PHS/B3-T	GMV-ND71PHS/B3-T	GMV-ND80PHS/B3-T
Cooling capacity	Rated	kW	6.3	7.1	8.0
Heating capacity	Rated	kW	6.3	7.1	8.0
	Max.	kW	7.1	8.0	9.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz		
Power consumption		W	90(63)	110(71)	110(80)
Airflow volume(H/M/L)		m^3/h	1000/800/700	1250/1050/950	1250/1050/950
Rated current	Cooling	A	0.7	0.9	0.9
	Heating	A	0.8	0.8	0.8
ESP		Pa	90/0 ~ 200	90/0 ~ 200	90/0 ~ 200
Sound pressure level(H/M/L)		dB(A)	37/35/33	38/36/34	38/36/34
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	1000 × 700 × 300	1000 × 700 × 300	1000 × 700 × 300
	Package	mm	1205 × 813 × 360	1205 × 813 × 360	1205 × 813 × 360
Net weight/Gross weight		kg	43.5/51.0	43.5/51.0	43.5/51.0
Loading quantity	40'GP	unit	138	138	138
	40'HQ	unit	161	161	161

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Indoor Unit

High Static Pressure Duct Type Indoor Unit(Da Series)

Model			GMV-ND56PHS/Da-T	GMV-ND63PHS/Da-T	GMV-ND71PHS/Da-T	GMV-ND80PHS/Da-T
Cooling capacity/kW	Rated	kW	5.6	6.3	7.1	8.0
Heating capacity/ Kw	Rated	kW	5.6	6.3	7.1	8.0
	Max.	kW	6.3	7.1	8.0	9.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz			
Power consumption		W	200	200	200	200
Airflow volume(H/M/L)		m^3/h	1250/1100/900	1250/1100/900	1250/1100/900	1250/1100/900
Rated Current	Cooling	A	1.4	1.4	1.4	1.4
	Heating	A	1.4	1.4	1.4	1.4
ESP		Pa	90/0~200	90/0~200	90/0~200	90/0~200
Sound pressure level(H/M/L)		dB(A)	41/37/33	41/37/33	41/37/33	41/37/33
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300
	Package	mm	1648 × 838 × 365	1648 × 838 × 365	1648 × 838 × 365	1648 × 838 × 365
Net weight / Gross weight		kg	59/68	59/68	59/68	59/68
Loading quantity	40'GP	unit	84	84	84	84
	40'HQ	unit	98	98	98	98

Model			GMV-ND90PH/Da-T	GMV-ND100PH/Da-T	GMV-ND112PH/Da-T
Cooling capacity/kW	Rated	kW	8.5	10.0	11.2
Heating capacity/ Kw	Rated	kW	8.5	10.0	11.2
	Max.	kW	10.0	11.2	12.5
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz		
Power consumption		W	550	550	550
Airflow volume(H/M/L)		m^3/h	2500/2000/1700	2500/2000/1700	2500/2000/1700
Rated Current	Cooling	A	3.5	3.5	3.5
	Heating	A	3.5	3.5	3.5
ESP		Pa	30/0-200	30/0-200	30/0-200
Sound pressure level(H/M/L)		dB(A)	43/41/39	43/41/39	43/41/39
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ19.05	Φ19.05	Φ19.05
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	1483 × 791 × 385	1483 × 791 × 385	1483 × 791 × 385
	Package	mm	1578 × 883 × 472	1578 × 883 × 472	1578 × 883 × 472
Net weight / Gross weight		kg	82/104	82/104	82/104
Loading quantity	40'GP	unit	60	60	60
	40'HQ	unit	75	75	75

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General Static Pressure Duct Type Indoor Unit

Model			GMV-ND18PLS/C-T	GMV-ND22PLS/C-T	GMV-ND25PLS/C-T	GMV-ND28PLS/C-T	GMV-ND32PLS/C-T	GMV-ND36PLS/C-T
Capacity	Cooling	kW	1.8	2.2	2.5	2.8	3.2	3.6
	Heating	kW	2.2	2.5	2.8	3.2	3.6	4.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz					
Power consumption		W	78	78	78	78	78	78
Airflow volume(H/M/L)		m^3/h	450/350/200	450/350/200	450/350/200	450/350/200	550/400/300	550/400/300
Rated Current	Cooling	A	0.2	0.2	0.2	0.2	0.3	0.3
	Heating	A	0.2	0.2	0.2	0.2	0.3	0.3
ESP		Pa	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30
Sound pressure level(H/M/L)		dB(A)	30/25/22	30/25/22	30/25/22	30/25/22	31/27/25	31/27/25
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	710 × 462 × 200	710 × 462 × 200	710 × 462 × 200	710 × 462 × 200	710 × 462 × 200	710 × 462 × 200
	Package	mm	1008 × 568 × 275	1008 × 568 × 275	1008 × 568 × 275	1008 × 568 × 275	1008 × 568 × 275	1008 × 568 × 275
Net weight/Gross weight		kg	18.5/23.5	18.5/23.5	18.5/23.5	18.5/23.5	19.0/24.0	19.0/24.0
Loading quantity	40 ' GP	unit	386	386	386	386	386	386
	40 ' HQ	unit	430	430	430	430	430	430

Model			GMV-ND40PLS/C-T	GMV-ND45PLS/C-T	GMV-ND50PLS/C-T	GMV-ND56PLS/C-T	GMV-ND63PLS/C-T	GMV-ND71PLS/C-T
Capacity	Cooling	kW	4.0	4.5	5.0	5.6	6.3	7.1
	Heating	kW	4.5	5.0	5.6	6.3	7.1	8.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz					
Power consumption		W	78	78	117	117	117	154
Airflow volume(H/M/L)		m^3/h	750/550/400	750/550/400	850/700/550	850/700/550	850/700/550	1100/850/650
Rated Current	Cooling	A	0.3	0.3	0.4	0.4	0.4	0.5
	Heating	A	0.3	0.3	0.4	0.4	0.4	0.5
ESP		Pa	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30	15/0 ~ 50
Sound pressure level(H/M/L)		dB(A)	33/29/27	33/29/27	35/31/29	35/31/29	35/31/29	37/32/30
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	1010 × 462 × 200	1010 × 462 × 200	1010 × 462 × 200	1010 × 462 × 200	1010 × 462 × 200	1310 × 462 × 200
	Package	mm	1308 × 568 × 275	1308 × 568 × 275	1308 × 568 × 275	1308 × 568 × 275	1308 × 568 × 275	1608 × 568 × 275
Net weight/Gross weight		kg	25.0/31.0	25.0/31.0	25.0/31.0	25.0/31.0	25.0/31.0	31.0/37.5
Loading quantity	40 ' GP	unit	288	288	288	288	288	229
	40 ' HQ	unit	340	340	340	340	340	257

Model			GMV-ND80PLS/C-T	GMV-ND90PLS/C-T	GMV-ND100PLS/C-T	GMV-ND112PLS/C-T	GMV-ND125PLS/C-T	GMV-ND140PLS/C-T
Capacity	Cooling	kW	8.0	9.0	10.0	11.2	12.5	14.0
	Heating	kW	9.0	10.0	11.2	12.5	14.0	16.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz					
Power consumption		W	110	130	130	130	170	170
Airflow volume(H/M/L)		m^3/h	1250/1100/900	1500/1250/900	1500/1350/1000	1700/1500/1100	2000/1700/1400	2000/1700/1400
Rated Current	Cooling	A	0.53	0.63	0.63	0.63	0.8	0.8
	Heating	A	0.53	0.63	0.63	0.63	0.8	0.8
ESP		Pa	50/0 ~ 80	50/0 ~ 80	50/0 ~ 80	50/0 ~ 80	50/0 ~ 80	50/0 ~ 80
Sound pressure level(H/M/L)		dB(A)	37/34/31	40/36/32	40/36/32	40/36/32	42/40/37	42/40/37
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	1200 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260
	Package	mm	1448 × 858 × 315	1588 × 858 × 315	1588 × 858 × 315	1588 × 858 × 315	1588 × 858 × 315	1588 × 858 × 315
Net weight/Gross weight		kg	39.0/48.0	45.5/54.5	45.5/54.5	45.5/54.5	46.5/55.5	46.5/55.5
Loading quantity	40 ' GP	unit	154	105	105	105	105	105
	40 ' HQ	unit	176	120	120	120	120	120

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Indoor Unit

360° Air Discharge Cassette Indoor Unit

Model				GMV-ND22T/C-T	GMV-ND28T/C-T	GMV-ND36T/C-T	GMV-ND45T/C-T	GMV-ND50T/C-T
Cooling capacity		Rated	kW	2.2	2.8	3.6	4.5	5.0
Heating capacity		Rated	kW	2.2	2.8	3.6	4.5	5.0
		Max.	kW	2.5	3.2	4.0	5.0	5.6
Power supply			V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz				
Power consumption			W	26	26	26	26	28
Airflow volume(H/M/L)			m^3/h	800/700/600	800/700/600	800/700/600	800/700/600	900/800/700
Rated current		Cooling	A	0.2	0.2	0.2	0.2	0.2
		Heating	A	0.2	0.2	0.2	0.2	0.2
Sound pressure level(H/M/L)			dB(A)	33/30/28	33/30/28	33/30/28	34/30/28	35/32/29
Connecting pipe		Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
		Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7
Drain pipe		External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
		Thickness	mm	2.5	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)	Outline	mm	840×840×240	840×840×240	840×840×240	840×840×240	840×840×240
		Package	mm	963×963×325	963×963×325	963×963×325	963×963×325	963×963×325
	Net weight/Gross weight		kg	27.0/35.0	27.0/35.0	27.0/35.0	27.0/35.0	28.0/36.0
Panel	Model			TF06	TF06	TF06	TF06	TF06
	Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65	950×950×65
		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
Loading quantity		40' GP	unit	126	126	126	126	126
		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 capacity		Rated	kW	5.6	6.3	7.1	8.0	9.0
Heating capacity		Rated	kW	5.6	6.3	7.1	8.0	9.0
		Max.	kW	6.3	7.1	8.0	9.0	10.0
Power supply			V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz				
Power consumption			W	35	60	60	85	85
Airflow volume(H/M/L)			m^3/h	950/850/750	1150/950/850	1150/950/850	1250/1000/900	1250/1000/900
Rated current		Cooling	A	0.2	0.4	0.4	0.4	0.4
		Heating	A	0.2	0.4	0.4	0.4	0.4
Sound pressure level(H/M/L)			dB(A)	37/33/30	37/34/31	37/34/31	39/37/34	39/37/34
Connecting pipe		Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
		Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9
Drain pipe		External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
		Thickness	mm	2.5	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)	Outline	mm	840×840×240	840×840×240	840×840×240	840×840×240	840×840×240
		Package	mm	963×963×325	963×963×325	963×963×325	963×963×325	963×963×325
	Net weight/Gross weight		kg	28.0/36.0	28.0/36.0	28.0/36.0	29.0/37.0	29.0/37.0
Panel	Model			TF06	TF06	TF06	TF06	TF06
	Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65	950×950×65
		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
Loading quantity		40' GP	unit	126	126	126	126	126
		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
Cooling capacity		Rated	kW	10.0	11.2	12.5	14.0	16.0
Heating capacity		Rated	kW	10.0	11.2	12.5	14.0	16.0
		Max.	kW	11.2	12.5	14.0	16.0	18.0
Power supply			V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz				
Power consumption			W	85	115	115	115	170
Airflow volume(H/M/L)			m^3/h	1250/1000/900	1650/1300/1100	1650/1300/1100	1650/1300/1100	2000/1800/1430
Rated current		Cooling	A	0.4	0.6	0.6	0.6	1.2
		Heating	A	0.4	0.6	0.6	0.6	1.2
Sound pressure level(H/M/L)			dB(A)	39/37/34	43/41/39	43/41/39	43/41/39	51/48/42
Connecting pipe		Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
		Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05
Drain pipe		External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
		Thickness	mm	2.5	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)	Outline	mm	840×840×240	840×840×290	840×840×290	840×840×290	840×840×290
		Package	mm	963×963×325	963×963×379	963×963×379	963×963×379	963×963×379
	Net weight/Gross weight		kg	29.0/37.0	33.0/42.0	33.0/42.0	33.0/42.0	36.0/44.0
Panel	Model			TF06	TF06	TF06	TF06	TF06
	Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65	950×950×65
		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
Loading quantity		40' GP	unit	126	113	113	113	113
		40' HQ	unit	144	124	124	124	124

*The outline dimensions of the outdoor unit do not include the fan grille.
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360° Air Discharge Cassette Indoor Unit(Da Series)

Model				GMV-ND56T/Da-T	GMV-ND63T/Da-T	GMV-ND71T/Da-T	GMV-ND80T/Da-T
Cooling capacity		Rated	kW	5.6	6.3	7.1	8.0
Heating capacity		Rated	kW	5.6	6.3	7.1	8.0
		Max.	kW	6.3	7.1	8.0	9.0
Power supply			V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz			
Power consumption			W	85	85	85	85
Airflow volume(H/M/L)			m^3/h	1800/1450/1150	1800/1450/1150	1800/1450/1150	1800/1450/1150
Rated current		Cooling	A	0.70	0.70	0.70	0.70
		Heating	A	0.70	0.70	0.70	0.70
Sound pressure level(H/M/L)			dB(A)	46/41/35	46/41/35	46/41/35	46/41/35
Connecting pipe		Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
		Gas	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
Drain pipe		External dia.	mm	Φ25	Φ25	Φ25	Φ25
		Thickness	mm	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)	Outline	mm	840×840×290	840×840×290	840×840×290	840×840×290
		Package	mm	933×903×335	933×903×335	933×903×335	933×903×335
	Net weight/Gross weight		kg	29/36	29/36	29/36	29/36
Panel	Model			TF06	TF06	TF06	TF06
	Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65
		Package	mm	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
Loading quantity		40'GP	unit	132	132	132	132
		40'HQ	unit	143	143	143	143

Model				GMV-ND90T/Da-T	GMV-ND100T/Da-T	GMV-ND112T/Da-T
Cooling capacity		Rated	kW	8.5	10.0	11.2
Heating capacity		Rated	kW	8.5	10.0	11.2
		Max.	kW	10.0	11.2	12.5
Power supply			V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz		
Power consumption			W	85	85	85
Airflow volume(H/M/L)			m^3/h	2000/1800/1430	2000/1800/1430	2000/1800/1430
Rated current		Cooling	A	0.70	0.70	0.70
		Heating	A	0.70	0.70	0.70
Sound pressure level(H/M/L)			dB(A)	51/48/42	51/48/42	51/48/42
Connecting pipe		Liquid	mm	Φ9.52	Φ9.52	Φ9.52
		Gas	mm	Φ19.05	Φ19.05	Φ19.05
Drain pipe		External dia.	mm	Φ25	Φ25	Φ25
		Thickness	mm	2.5	2.5	2.5
Main body	Dimension (W×D×H)	Outline	mm	840×840×290	840×840×290	840×840×290
		Package	mm	933×903×335	933×903×335	933×903×335
	Net weight/Gross weight		kg	29/36	29/36	29/36
Panel	Model			TF06	TF06	TF06
	Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65
		Package	mm	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
Loading quantity		40'GP	unit	132	132	132
		40'HQ	unit	143	143	143

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Indoor Unit

360° Air Discharge Compact Cassette Indoor Unit

Model				GMV-ND15T/E-T	GMV-ND18T/E-T	GMV-ND22T/E-T	GMV-ND28T/E-T
Capacity			Cooling kW	1.5	1.8	2.2	2.8
			Heating kW	1.8	2.2	2.5	3.2
Power supply			V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz			
Power consumption			W	30	30	30	30
Airflow volume(H/M/L)			m^3/h	460/420/370	460/420/370	500/460/370	570/480/420
Rated current			Cooling A	0.15	0.15	0.15	0.15
			Heating A	0.15	0.15	0.15	0.15
Sound pressure level(H/M/L)			dB(A)	33/30/25	33/30/25	36/31/25	36/33/28
Connecting pipe			Liquid mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
			Gas mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Drain pipe			External dia. mm	Φ25	Φ25	Φ25	Φ25
			Thickness mm	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)		Outline mm	570×570×265	570×570×265	570×570×265	570×570×265
			Package mm	698×653×295	698×653×295	698×653×295	698×653×295
	Net weight/Gross weight		kg	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5
Panel	Model			TF05	TF05	TF05	TF05
	Dimension (W×D×H)		Outline mm	620×620×47.5	620×620×47.5	620×620×47.5	620×620×47.5
			Package mm	701×701×125	701×701×125	701×701×125	701×701×125
	Net weight/Gross weight		kg	3.0/4.5	3.0/4.5	3.0/4.5	3.0/4.5
Loading quantity			40'GP unit	378	378	378	378
			40'HQ unit	432	432	432	432

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Model				GMV-ND36T/E-T	GMV-ND45T/E-T	GMV-ND50T/E-T	GMV-ND56T/E-T
Capacity			Cooling kW	3.6	4.5	5.0	5.6
			Heating kW	4.0	5.0	5.6	6.3
Power supply			V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz			
Power consumption			W	30	45	45	45
Airflow volume(H/M/L)			m^3/h	620/550/480	730/650/560	730/650/560	730/650/560
Rated current			Cooling A	0.15	0.23	0.23	0.23
			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
Connecting pipe			Liquid mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52
			Gas mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9
Drain pipe			External dia. mm	Φ25	Φ25	Φ25	Φ25
			Thickness mm	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)		Outline mm	570×570×265	570×570×265	570×570×265	570×570×265
			Package mm	698×653×295	698×653×295	698×653×295	698×653×295
	Net weight/Gross weight		kg	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5
Panel	Model			TF05	TF05	TF05	TF05
	Dimension (W×D×H)		Outline mm	620×620×47.5	620×620×47.5	620×620×47.5	620×620×47.5
			Package mm	701×701×125	701×701×125	701×701×125	701×701×125
	Net weight/Gross weight		kg	3.0/4.5	3.0/4.5	3.0/4.5	3.0/4.5
Loading quantity			40'GP unit	378	378	378	378
			40'HQ unit	432	432	432	432

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2-way Cassette Indoor Unit

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
Capacity			Cooling kW	2.8	3.6	4.5	5.0	5.6	6.3	7.1	8.0
			Heating kW	3.2	4.0	5.0	5.6	6.3	7.1	8.0	9.0
Power supply			V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz							
Power consumption			W	20	20	30	30	30	30	55	55
Airflow volume(H/M/L)			m^3/h	671/616/513	671/616/513	715/616/513	715/616/513	764/709/676	764/709/676	816/745/660	816/745/660
Rated current			Cooling A	0.25	0.25	0.3	0.3	0.3	0.3	0.49	0.49
			Heating A	0.25	0.25	0.3	0.3	0.3	0.3	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
Connecting pipe			Liquid mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52
			Gas mm	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9	Φ15.9
Drain pipe			External dia. mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
			Thickness mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)		Outline mm	790×630×280	790×630×280	790×630×280	790×630×280	790×630×280	790×630×280	790×630×280	790×630×280
			Package mm	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365
	Net weight/Gross weight		kg	25.5/33.0	25.5/33.0	25.5/33.0	25.5/33.0	26.0/33.5	26.0/33.5	26.0/33.5	26.0/33.5
Panel	Dimension (W×D×H)		Outline 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
			Package 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/Gross weight		kg	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	6.0/10.5
Loading quantity			40'GP unit	144	144	144	144	144	144	144	144
			40'HQ unit	166	166	166	166	166	166	166	166

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1-way Cassette Indoor Unit

Model				GMV-ND22TD/A-T	GMV-ND28TD/A-T	GMV-ND36TD/A-T	GMV-ND45TD/A-T	GMV-ND50TD/A-T	GMV-ND56TD/A-T
Capacity			Cooling kW	2.2	2.8	3.6	4.5	5.0	5.6
			Heating kW	2.5	3.2	4.0	5.0	5.6	6.3
Power supply			V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz					
Power consumption			W	30	30	30	45	45	45
Airflow volume(H/M/L)			m^3/h	600/500/450	600/500/450	600/500/450	830/600/500	830/600/500	890/667/564
Rated current			Cooling A	0.2	0.2	0.2	0.3	0.3	0.3
			Heating A	0.2	0.2	0.2	0.3	0.3	0.3
Sound pressure level(H/M/L)			dB(A)	36/32/28	36/32/28	36/32/28	40/35/30	40/35/30	41/38/35
Connecting pipe			Liquid mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52
			Gas mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9
Drain pipe			External dia. mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
			Thickness mm	2.5	2.5	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)		Outline mm	987×385×178	987×385×178	987×385×178	987×385×178	987×385×178	987×385×178
			Package mm	1307×501×310	1307×501×310	1307×501×310	1307×501×310	1307×501×310	1307×501×310
	Net weight/Gross weight		kg	20/27	20/27	20/27	21/28.5	21/28.5	21/28.5
Panel	Model			TD01	TD01	TD01	TD01	TD01	TD01
	Dimension (W×D×H)		Outline mm	1200×460×55	1200×460×55	1200×460×55	1200×460×55	1200×460×55	1200×460×55
			Package mm	1265×536×121	1265×536×121	1265×536×121	1265×536×121	1265×536×121	1265×536×121
	Net weight/Gross weight		kg	4.2/6	4.2/6	4.2/6	4.2/6	4.2/6	4.2/6
Loading quantity			40'GP unit	215	215	215	215	215	215
			40'HQ unit	242	242	242	242	242	242

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Indoor Unit

Wall-mounted Type Indoor Unit

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
Capacity	Cooling	kW	1.5	1.8	2.2	2.8	3.6	4.5	5.0
	Heating	kW	1.8	2.2	2.5	3.2	4.0	5.0	5.6
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz						
Power consumption		W	20	20	20	20	25	35	35
Airflow volume(H/M/L)		m^3/h	500/440/300	500/440/300	500/440/300	500/440/300	630/460/320	850/580/500	850/580/500
Rated current	Cooling	A	0.1	0.1	0.1	0.1	0.12	0.17	0.17
	Heating	A	0.1	0.1	0.1	0.1	0.12	0.17	0.17
Sound pressure level(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
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ20	Φ20	Φ20	Φ20	Φ20	Φ20	Φ20
	Thickness	mm	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Dimension (W × D × H)	Outline	mm	845 × 209 × 289	845 × 209 × 289	845 × 209 × 289	845 × 209 × 289	845 × 209 × 289	970 × 224 × 300	970 × 224 × 300
	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 weight		kg	10.5/12.5	10.5/12.5	10.5/12.5	10.5/12.5	10.5/12.5	12.5/15.5	12.5/15.5
Loading quantity	40'GP	unit	576	576	576	576	576	448	448
	40'HQ	unit	576	576	576	576	576	512	512

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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
Capacity	Cooling	kW	5.6	6.3	7.1	8.0	9.0	9.5
	Heating	kW	6.3	7.1	7.5	9.0	10.0	10.5
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz					
Power consumption		W	50	50	65	80	80	100
Airflow volume(H/M/L)		m^3/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	0.41	0.41	0.41
	Heating	A	0.24	0.24	0.31	0.41	0.41	0.41
Sound pressure level(H/M/L)		dB(A)	43/41/37	43/41/37	44/41/37	49/46/40	49/46/40	52/48/40
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ20	Φ20	Φ20	Φ20	Φ20	Φ20
	Thickness	mm	1.5	1.5	1.5	1.5	1.5	1.5
Dimension (W × D × H)	Outline	mm	1078 × 246 × 325	1078 × 246 × 325	1078 × 246 × 325	1350 × 258 × 326	1350 × 258 × 326	1350 × 258 × 326
	Package	mm	1203 × 338 × 425	1203 × 338 × 425	1203 × 338 × 425	1496 × 357 × 433	1496 × 357 × 433	1496 × 357 × 433
Net weight/Gross weight		kg	16/19	16/19	16/19	20/24	20/24	20/24
Loading quantity	40'GP	unit	282	282	282	228	228	228
	40'HQ	unit	329	329	329	266	266	266

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Fresh Air Processing Indoor Unit

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
Capacity	Cooling *1	kW	12.5	14.0	22.4	25.0	28.0	45.0
	Heating	kW*2	8.5	10.0	16.0	18.0	20.0	32.0
		kW*3	10.5	12.0	20.0	20.0	22.0	35.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz					380-415V 3N~50Hz
Power consumption*4		W	200/350	200/350	400/760	520/860	520/860	1240
ESP*5		Pa	150/50~200	150/50~200	200/50 ~ 300	200/50 ~ 300	200/50 ~ 300	200
Airflow volume (Default/Range)*6		m^3/h	1200/1000~2000	1200/1000~2000	2000/1500~3000	2500/2000~3500	2500/2000~3500	4000
Rated current*7	Cooling	A	1.5/2.0	1.5/2.0	2.5/4.3	3.1/4.9	3.1/4.9	3.4
	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 level (Default/Range)*8		dB(A)	46/40~50	46/40~50	45/45~54	47/47~54	47/47~54	58
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7
	Gas	mm	Φ15.9	Φ15.9	Φ19.05	Φ22.2	Φ22.2	Φ28.6
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ33
	Thickness	mm	2.5	2.5	2.0	2.0	2.0	3.0
Dimension (W × D × H)	Outline	mm	1400 × 700 × 300	1400 × 700 × 300	1483 × 791 × 385	1483 × 791 × 385	1483 × 791 × 385	1700x1100x650
	Package	mm	1601 × 813 × 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
Loading quantity	40'GP	unit	84	84	52	52	52	16
	40'HQ	unit	98	98	65	65	65	16

Note:
1. Rated cooling capacity test conditions: indoor 35℃ DB/28℃ WB, outdoor 35℃ DB.
2. Rated heating capacity test conditions: indoor 7℃ DB, outdoor 7℃ DB/6℃ WB.
3. Rated heating capacity test conditions: indoor -7℃ DB, outdoor 0℃ DB / -2.9℃ WB.
4. As for power consumption column, the left side of "/" is the rated power, and the right side is the max. power.
5. External static pressure: the left side of "/" is the static pressure of a standard unit while the right side is the static pressure option of a non-standard unit.
6. Air volume: the left side of "/" is the rated air volume while the right side is the adjustable fresh air volume.
7. Input current: the left side of " / " is the rated current while the right side is the maximum current.
8. As to noise: the left side of " / " is the noise value under rated static pressure while the right side is the noise range with the change of static pressure.

Console Indoor Unit

Model			GMV-ND22C/A-T	GMV-ND28C/A-T	GMV-ND36C/A-T	GMV-ND45C/A-T	GMV-ND50C/A-T
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.0
	Heating	kW	2.5	3.2	4.0	5.0	5.5
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz				
Power consumption		W	15	15	20	40	40
Airflow volume(H/M/L)		m^3/h	400/320/270	400/320/270	480/400/310	680/600/500	680/600/500
Rated current	Cooling	A	0.17	0.17	0.25	0.4	0.4
	Heating	A	0.17	0.17	0.25	0.4	0.4
Sound pressure level(H/M/L)		dB(A)	38/33/27	38/33/27	40/37/32	46/43/39	46/43/39
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ28	Φ28	Φ28	Φ28	Φ28
	Thickness	mm	1	1	1	1	1
Dimension (W × D × H)	Outline	mm	700 × 215 × 600	700 × 215 × 600	700 × 215 × 600	700 × 215 × 600	700 × 215 × 600
	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
Loading quantity	40'GP	unit	348	348	348	348	348
	40'HQ	unit	348	348	348	348	348

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Indoor Unit

Floor Ceiling Type Indoor Unit

Model			GMV-ND28ZD/A-T	GMV-ND36ZD/A-T	GMV-ND50ZD/A-T	GMV-ND56ZD/A-T	GMV-ND63ZD/A-T
Capacity	Cooling	kW	2.8	3.6	5.0	5.6	6.3
	Heating	kW	3.2	4.0	5.6	6.3	7.1
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz				
Power consumption		W	40	40	50	50	75
Airflow volume(H/M/L)		m^3/h	650/580/500	650/580/500	950/850/700	950/850/700	1400/1150/1000
Rated current	Cooling	A	0.30	0.30	0.40	0.40	0.60
	Heating	A	0.30	0.30	0.40	0.40	0.60
Sound pressure level(H/M/L)		dB(A)	36/34/32	36/34/32	42/38/33	42/38/33	44/42/39
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ17	Φ17	Φ17	Φ17	Φ17
	Thickness	mm	1.75	1.75	1.75	1.75	1.75
Dimension (W × D × H)	Outline	mm	1220 × 700 × 225	1220 × 700 × 225	1220 × 700 × 225	1220 × 700 × 225	1420 × 700 × 245
	Package	mm	1343 × 823 × 315	1343 × 823 × 315	1343 × 823 × 315	1343 × 823 × 315	1548 × 828 × 345
Net weight/Gross weight		kg	40.0/49.0	40.0/49.0	40.0/49.0	40.0/49.0	50.0/58.0
Loading quantity	40' GP	unit	145	145	145	145	90
	40' HQ	unit	158	158	158	158	98

Model			GMV-ND71ZD/A-T	GMV-ND90ZD/A-T	GMV-ND112ZD/A-T	GMV-ND125ZD/A-T	GMV-ND140ZD/A-T	GMV-ND160ZD/A-T
Capacity	Cooling	kW	7.1	9.0	11.2	12.5	14.0	16.0
	Heating	kW	8.0	10.0	12.5	14.0	16.0	18.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz					
Power consumption		W	75	140	160	160	160	200
Airflow volume(H/M/L)		m^3/h	1400/1150/1000	1600/1400/1200	2000/1800/1450	2000/1800/1450	2000/1800/1450	2300/2100/1900
Rated current	Cooling	A	0.60	1.10	1.40	1.40	1.40	1.90
	Heating	A	0.60	1.10	1.40	1.40	1.40	1.90
Sound pressure level(H/M/L)		dB(A)	44/42/39	50/47/43	51/47/42	52/49/45	52/49/45	52/49/45
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05
Drain pipe	External dia.	mm	Φ17	Φ17	Φ17	Φ17	Φ17	Φ17
	Thickness	mm	1.75	1.75	1.75	1.75	1.75	1.75
Dimension (W × D × H)	Outline	mm	1420 × 700 × 245	1420 × 700 × 245	1700 × 700 × 245	1700 × 700 × 245	1700 × 700 × 245	1700 × 700 × 245
	Package	mm	1548 × 828 × 345	1548 × 828 × 345	1828 × 828 × 345	1828 × 828 × 345	1828 × 828 × 345	1828 × 828 × 345
Net weight/Gross weight		kg	50.0/58.0	50.0/58.0	60.0/68.0	60.0/68.0	60.0/68.0	60.0/68.0
Loading quantity	40' GP	unit	90	90	84	84	84	84
	40' HQ	unit	98	98	98	98	98	98

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
Capacity	Cooling	kW	2.8	3.6	5.0	5.6	6.3	7.1
	Heating	kW	3.2	4.0	5.6	6.3	7.1	8.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz					
Power consumption		W	35	35	55	55	80	80
Airflow volume(H/M/L)		m^3/h	600/500/450	600/500/450	750/650/600	750/650/600	1350/1200/1050	1350/1200/1050
Rated current	Cooling	A	0.2	0.2	0.3	0.3	0.4	0.4
	Heating	A	0.2	0.2	0.3	0.3	0.4	0.4
Sound pressure level(H/M/L)		dB(A)	36/32/29	36/32/29	42/39/36	42/39/36	44/41/38	44/41/38
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ17	Φ17	Φ17	Φ17	Φ17	Φ17
	Thickness	mm	1.75	1.75	1.75	1.75	1.75	1.75
Dimension (W × D × H)	Outline	mm	870 × 665 × 235	870 × 665 × 235	870 × 665 × 235	870 × 665 × 235	1200 × 665 × 235	1200 × 665 × 235
	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
Loading quantity	40' GP	unit	252	252	252	252	189	189
	40' HQ	unit	288	288	288	288	216	216

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Model			GMV-ND90ZD/B-T	GMV-ND112ZD/B-T	GMV-ND125ZD/B-T	GMV-ND140ZD/B-T	GMV-ND160ZD/B-T
Capacity	Cooling	kW	9.0	11.2	12.5	14.0	16.0
	Heating	kW	10.0	12.5	14.0	16.0	18.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz				
Power consumption		W	120	120	120	150	175
Airflow volume(H/M/L)		m^3/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
	Heating	A	0.7	0.7	0.7	0.8	0.9
Sound pressure level(H/M/L)		dB(A)	47/44/41	47/44/42	47/44/42	49/45/43	52/48/45
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05
Drain pipe	External dia.	mm	Φ17	Φ17	Φ17	Φ17	Φ17
	Thickness	mm	1.75	1.75	1.75	1.75	1.75
Dimension (W × D × H)	Outline	mm	1200 × 665 × 235	1570 × 665 × 235	1570 × 665 × 235	1570 × 665 × 235	1570 × 665 × 235
	Package	mm	1303 × 770 × 300	1669 × 770 × 300	1669 × 770 × 300	1669 × 770 × 300	1669 × 770 × 300
Net weight/Gross weight		kg	33/39	41/48	41/48	43/50	43/50
Loading quantity	40' GP	unit	189	147	147	147	147
	40' HQ	unit	216	168	168	168	168

Concealed Floor Standing Type

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	kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1
	Heating	kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz						
Power consumption		W	35	35	43	45	80	80	90
Airflow volume(H/M/L)		m^3/h	450/350/250	450/350/250	550/450/350	650/500/400	900/750/600	900/750/600	1100/900/700
Rated current	Cooling	A	0.18	0.18	0.22	0.23	0.41	0.41	0.46
	Heating	A	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 level(H/M/L)		dB(A)	30/28/25	30/28/25	33/31/28	33/31/28	35/33/30	35/33/30	37/35/33
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Dimension (W × D × H)	Outline	mm	700 × 615 × 200	700 × 615 × 200	700 × 615 × 200	900 × 615 × 200	1100 × 615 × 200	1100 × 615 × 200	1100 × 615 × 200
	Package	mm	893 × 743 × 305	893 × 743 × 305	893 × 743 × 305	1123 × 743 × 305	1323 × 743 × 305	1323 × 743 × 305	1323 × 743 × 305
Net weight/Gross weight		kg	23/30	23/30	23/30	27/36	32/41	32/41	32/41
Loading quantity	40' GP	unit	273	273	273	217	175	175	175
	40' HQ	unit	312	312	312	248	200	200	200

Floor Standing Type

Model			GMV-ND100L/A-T	GMV-ND140L/A-T
Capacity	Cooling	kW	10.0	14.0
	Heating	kW	11.0	15.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz	
Power consumption		W	200	200
Airflow volume(H/M/L)		m^3/h	1850/1600/1400	1850/1600/1400
Sound pressure level(H/M/L)		dB(A)	50/48/46	50/48/46
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ31	Φ31
	Thickness	mm	4.5	4.5
Dimension (W × D × H)	Outline	mm	580 × 400 × 1870	580 × 400 × 1870
	Package	mm	738 × 545 × 2083	738 × 545 × 2083
Net weight/Gross weight		kg	54.0/74.0	57.0/77.0
Loading quantity	40' GP	unit	67	67
	40' HQ	unit	67	67

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Indoor Unit

AHU-KIT

Model			GMV-N36U/C-T	GMV-N71U/C-T		GMV-N140U/C-T			GMV-N280U/C-T					GMV-N560U/C-T		
Defaulted capacity of ex-factory	Capacity		36	71		140			280					560		
	Cooling	kW	3.6	7.1		14.0			28.0					56.0		
	Heating	kW	4.0	8.0		16.0			31.5					63.0		
Adjustable capacity	Capacity		28	36	45	56	71	90	112	140	224	280	335	400	450	504	560	840
	Cooling	kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	22.4	28.0	33.5	40.0	45.0	50.4	56.0	84.0
	Heating	kW	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	25.0	31.5	37.5	45.0	50.0	56.5	63.0	94.5
Power input		W	8		8			8			8					8		
Power Supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz															
Size of connection pipe	AHU-KIT (ex-factory pipe size)	mm	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ15.9	Φ15.9	Φ15.9
	Air handling unit Liquid pipe	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ19.05
	Gas pipe		Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05	Φ22.2	Φ25.4	Φ25.4	Φ28.6	Φ28.6	Φ28.6	Φ31.8
	Connection method		Brazing Connection															
Outline dimension (W × D × H)	EXV box	mm	203 × 326 × 85	203 × 326 × 85		203 × 326 × 85			203 × 326 × 85					246 × 500 × 120		
	Control box		334 × 284 × 111	334 × 284 × 111		334 × 284 × 111			334 × 284 × 111					334 × 284 × 111		
Package dimension(W × D × H)		mm	539 × 461 × 247	539 × 461 × 247		539 × 461 × 247			539 × 461 × 247					759 × 645 × 180		
Net weight		kg	10.0	10.5		10.5			10.5					13.0		
Gross weight		kg	13.0	13.5		13.5			13.5					17.5		
Loading	40' GP	unit	990	990		990			990					702		
	40' HP	unit	1100	1100		1100			1100					756		

Model			GMV-N560U/C-T +GMV-N140U/C- T	GMV-N560U/C-T +GMV-N280U/C- T	GMV-N560U/C-T +GMV-N560U/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-N560U/C-T +GMV-N560U/C-T +GMV-N560U/C-T	
Defaulted capacity of ex-factory	Capacity		840+140	840+280	840+560	840+840	840+840+140	840+840+280	840+840+560	840+840+840
	Cooling	kW	98.0	112.0	140.0	168.0	182.0	196.0	224.0	252.0
	Heating	kW	110.5	126.0	157.5	189.0	204.5	220.5	252.0	283.5
Power input		W	8+8	8+8	8+8		8+8+8	8+8+8	8+8+8	
Power Supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz							
Size of connection pipe	Air handling unit Liquid pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ22.2	Φ22.2	Φ22.2
	Gas pipe		Φ38.1	Φ38.1	Φ41.3	Φ41.3	Φ41.3	Φ44.5	Φ44.5	Φ44.5
	Connection method		Brazing Connection							
Outline dimension (W × D × H)	EXV box	mm	246 × 500 × 120 +203 × 326 × 85	246 × 500 × 120 +203 × 326 × 85	(246 × 500 × 120) × 2		(246 × 500 × 120) × 2 +203 × 326 × 85	(246 × 500 × 120) × 2 +203 × 326 × 85	(246 × 500 × 120) × 3	
	Control box		(334 × 284 × 111) × 2	(334 × 284 × 111) × 2	(334 × 284 × 111) × 2		(334 × 284 × 111) × 3	(334 × 284 × 111) × 3	(334 × 284 × 111) × 3	
Package dimension(W × D × H)		mm	759 × 645 × 180+ 539 × 461 × 247	759 × 645 × 180+ 539 × 461 × 247	(759 × 645 × 180) × 2		(759 × 645 × 180) × 2 +539 × 461 × 247	(759 × 645 × 180) × 2 +539 × 461 × 247	(759 × 645 × 180) × 3	
Net weight		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+13.0+10.5	
Gross weight		kg	17.5+13.5	17.5+13.5	17.5+17.5		17.5+17.5+13.5	17.5+17.5+13.5	17.5+17.5+17.5	

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GMV Outdoor Units (R32)

Type of ODU		Specification(kW)	8	10	12.1	14.1	16	18
R32	Side Discharge	GMV9 Home 	●	●	●	●	●	
		GMV9 Mini 			●	●	●	●

GMV9 Home

R32

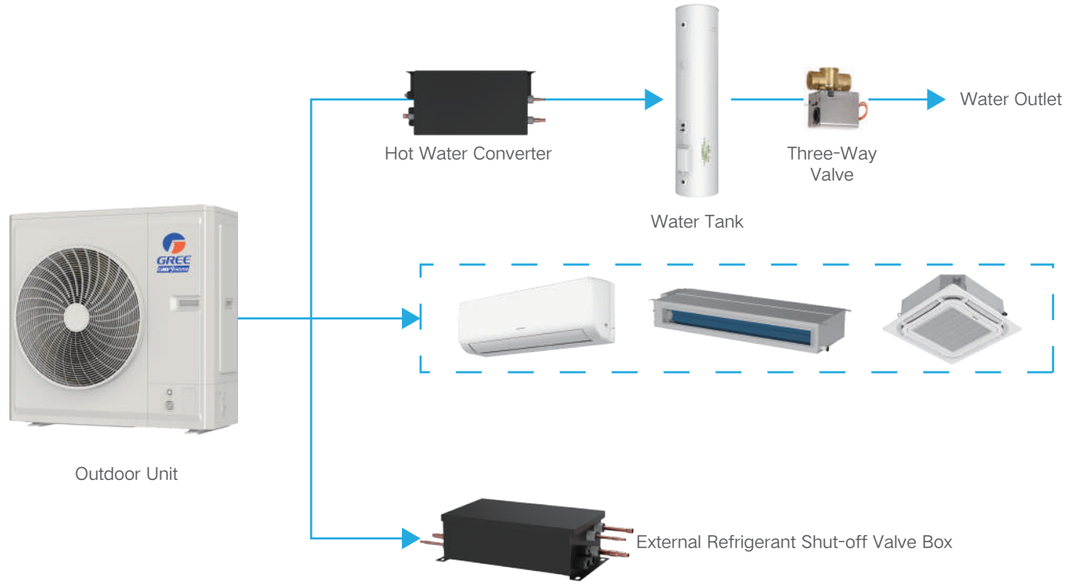
All-in-One Home Comfort System

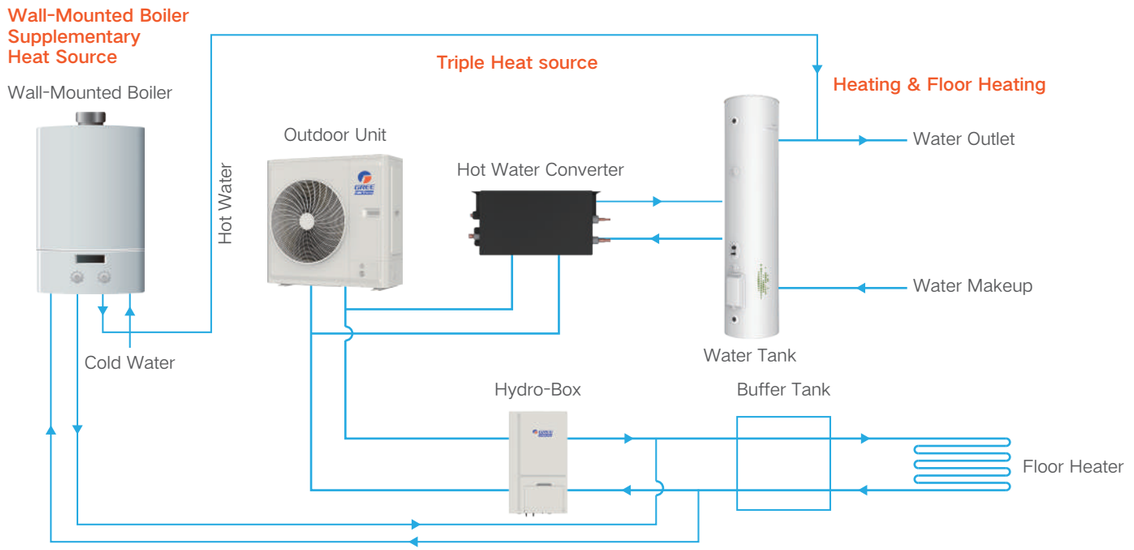


- **Free Hot Water**
  in Cooling + Heat Recovery mode
- **Whole-Space Warmth**
  Heating + Floor Heating
- **4-Fold Safety**
  Explosion-Proof Leak Detection Alarm · Auto Recovery

- **Flexible Combination**
  8 Modes for Every Season
- **VRF System**
  8 to 16kW · up to 9 IDUs
- **Energy Efficiency**
  SEER up to 7.96 W/W (Eurovent Certified)

All-in-One System





- Triple supply: Air conditioning, floor heating, and domestic hot water
- Multi-Heat source synergy: Heat pump + gas wall-mounted boiler
- Waste heat recovery: Free hot water in summer and seamless triple supply in winter for optimal performance

Outdoor Unit

- High-efficiency C-shaped heat exchanger design
- New generation smart defrosting
- SRL--Self-reaction load control
- 13 Quiet Modes
- "Home leave operation mode" to keep the room temperature at 8℃
- Setback function
- Anti-reversing, startup technology

Full series, single-fan design:
Ideal for residential & boutique commercial applications





Water Tank

- Water tank volume: 190L and 290L
- Hot water temperature: 35~55℃
- Up to 80℃ under the Boost mode
- 4-in-1 operating modes of water heater:
  Standard Mode, Emergency Mode, Boost Mode, ECO Mode



SXTD200LCJW/Za-K



SXTD300LCJW/Za-K

External Refrigerant Shut-off Valve Box

Rapid Recovery · Instant Shutoff · Minimal Indoor Leakage

- Design for R32 safety
- The external isolation valve activates upon indoor leakage detection,
- automatically containing the R32 charge to prevent safety incidents and ensure operational reliability.
- Disconnect Memory
- Drain-Free
- Safer & More Reliable



Hydro Box

- Easy installation
- Convenient operating
- Connect with underfloor heating system



Hot Water Converter

- COP up to 7
- Hot water temperature: 35~55℃
- High temperature disinfection
- No need water pump or related fittings



GMV9 HOME：Typical Operation Modes

Cooling + Heat Recovery: Hot water from waste heat



While the system cools your home, it captures waste heat to produce domestic hot water - efficient cooling with heat recovery.

Heating + Floor Heating: Fast warm air, gentle warm floors



Warm air heats the room quickly, while radiant floor heating provides even warmth from the ground up. Together, they deliver more balanced comfort throughout your home.

High Climate Adaptability

Wide operating range

Designed for Every Season:

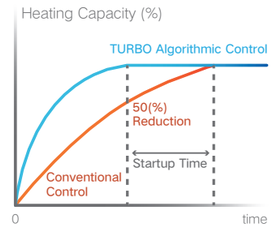
Cooling: -5℃ to 55℃
Heating: -20℃ to 27℃

-20℃ 55℃ R32

Note：Performance may be reduced under extreme operating conditions.
Complies with industry standards.

Low-temperature cold start technology

- Powered by the TURBO low-temperature flow prediction algorithm, the system prioritizes precise intermediate pressure control.
- By intelligently coordinating the compressor, fan, and EEV to adapt to cold-climate refrigerant behavior, it rapidly accelerates refrigerant circulation to enhance heating performance.

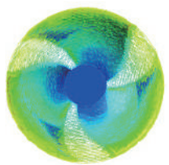


Low-temperature cold start technology

Quiet & Comfortable

Multiple low-noise design, and sound pressure level as low as 45dB(A) in silent mode.

Noise-reducing fan



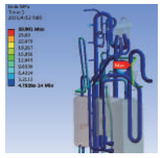
Noise-reducing compressor





Noise-reducing motor





Dynamic simulation and vibration-damping components

GMV9 HOME: The Integrated Comfort System

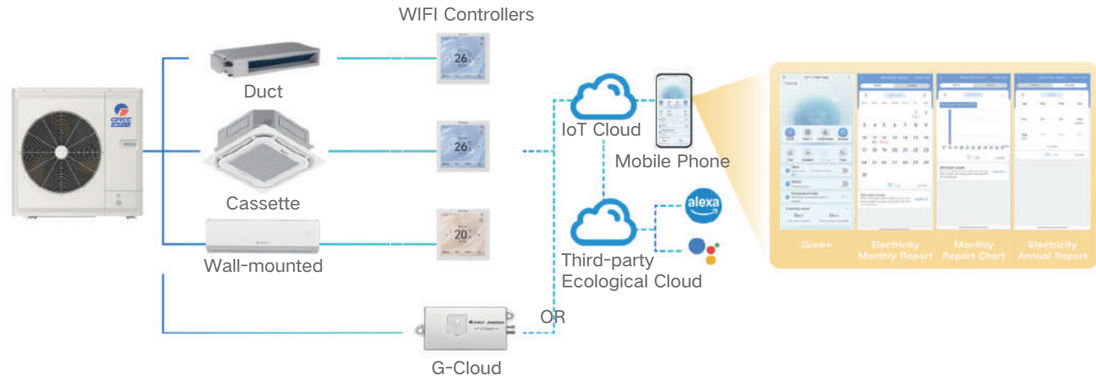


One intelligent system delivers:





Smart Control App



Control Options

Wired controller

0.5℃ precise temperature control: Detects temperature & humidity
GREE+ App remote: Weekly timer & scheduling



Wired Controller

Large color touchscreen
WiFi & App remote control
Weekly auto-scheduling
OTA software updates



IR Remote

Mode: Auto, Cool, Dry, Fan, Heat
Fan: **6** speeds + Turbo
Airflow: Independent vertical/horizontal control



Central Controller

Multiple modes: auto, one-touch, weekly schedule, calendar
Manages up to **255** VRF indoor uints



R32 Safety Alam

Standalone audio-visual alert — connects with wired controllers and indoor units for clear, effective attention in large spaces



ODU Specification

IDU Specification

GMV9 Home

Product Model			GMV-S80WL/NhD-S	GMV-S100WL/NhD-S	GMV-S121WL/NhD-S	GMV-S141WL/NhD-S	GMV-S160WL/NhD-S
Capacity range		HP	3	3.5	4	5	6
Cooling Capacity	Rated	kW	8	10	12.1	14.1	15.5
	Max.	kW	8	10	12.1	14.1	15.5
Heating Capacity	Rated	kW	8	10	12.1	14.1	15.5
	Max.	kW	10	12	14	16	17.5
SEER	Duct	-	7.31	7.11	7.76	7.72	7.53
	Cassette	-	7.28	7.65	7.96	7.95	7.7
SCOP	Duct	-	4.81	5	5.02	5.14	4.86
	Cassette	-	4.53	4.82	4.98	4.89	4.7
Power Supply		V, PH, Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz
Air Flow Volume		m^3/h	4500	4500	5000	5600	6100
Max. Rated Power Input		kW	3.9	4.4	5.79	6.07	6.55
Max. Rated Current/Max. Circuit Current		A	21.9/25	23.5/25	26.9/32	28.2/32	30/32
Maximum drive IDU NO.		unit	4	5	7	8	9
Refrigerant Charge		kg	2.4	2.4	2.4	2.4	2.4
Sound Power Level Cooling	Cooling	dB(A)	75	75	75	75	75
	Heating	dB(A)	76	76	76	76	76
Connectting Pipe	Liquid (to IDU)	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas (to IDU)	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9
	Gas(to Hydro Box)	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
Max. Equivalent Connection Pipe Length(Outdoor to Last Indoor)		m	60	60	60	60	60
Dimension (WxDxH)	Outline	mm	990×370×955	990×370×955	990×370×955	990×370×955	990×370×955
	Package	mm	1068×468×1110	1068×468×1110	1068×468×1110	1068×468×1110	1068×468×1110
Net/Gross Weight		kg	82.5/92	82.5/92	82.5/92	82.5/92	82.5/92
Loading Quantity (ODU)	20'GP	unit	48	48	48	48	48
	40'GP	unit	100	100	100	100	100
	40'HQ	unit	100	100	100	100	100

Operating Range	Mode	Outdoor Condition(℃)
	Cooling	-5~55
	Heating	-20~27
	Water Heating	-15~43
	Cooling + Water Heating	-5~43
	Heating + Water Heating	-20~27

*The outline dimensions of the outdoor unit do not include the fan grill.
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External Refrigerant Shut-off Valve Box

Product Model			VB01JD3/A
Power Supply		V, PH, Hz	220~240V/50/60Hz
Fuse Current/Max. Circuit Current		A	3.15/6
Connection Type		-	Brazing Connection
Connectting Pipe(to ODU)	Liquid	mm	Φ9.52
	Gas	mm	Φ15.9
	Gas(high pressure)	mm	Φ12.7
Connectting Pipe(to IDU)	Liquid	mm	Φ9.52
	Gas (to IDU)	mm	Φ15.9
	Gas(to Hydro Box)	mm	Φ12.7
Connective Max. Length(to ODU)		m	5
Dimension(W×D×H)	Outline	mm	410×244×131
	Package	mm	852×335×249
Net/Gross Weight		kg	7/9.5
Loading Quantity (ODU)	20'GP	unit	378
	40'GP	unit	801
	40'HQ	unit	890

Water Tank

Product Model			SXTD200LCJW/Za-K	SXTD300LCJW/Za-K
Water Tank Volume		L	190	290
Power Supply		V, PH, Hz	220-240V~, 50Hz	220-240V~, 50Hz
Auxiliary Electrical Heater Power Input		kW	1.66	1.66
Safety Valve Max. Pressure		Mpa	0.8	0.8
Screw thread spec of pipe	Cold Water	-	G1/2	G1/2
	Hot Water	-	G1/2	G1/2
Water Pipe Outer Diameter	Cold Water	mm	Φ15	Φ15
	Hot Water	mm	Φ15	Φ15
Water Tank Dimension(W×D×H)	Outline	mm	Φ510×1623	Φ620×1585
	Package	mm	1738×628×610	1703×738×725
Net/Gross Weight		kg	67/75.5	86/96.5
Loading Quantity	20'GP	unit	36	27
	40'GP	unit	78	60
	40'HQ	unit	80	69

*GREE is committed to continuously improving our products to ensure the higher quality and reliability standards, and to meet local regulations and market requirements, specification, design and feature are subject to change without prior notice.

ODU Specification

Hydro Box

Product Model			NRQ16G/NhB-S
Hot Water Heating Capacity		kW	16
Dimension(W × D × H)	Outline	mm	460*318*915
	Package	mm	1133*608*390
Power Supply		V, PH, Hz	220-240V ~ ,50Hz/60Hz
Connectting Pipe	Liquid (to ODU)	mm	Φ9.52
	Gas (to ODU)	mm	Φ12.7
	Gas(high pressure) (to water tank)	mm	/
Water Pump	Type	-	PB-2/11-B
	Power Input	kW	0.11-0.22
	Water flow	L /h	3500
	Dilvery Lift	mm	7500
Net/Gross Weight		kg	49/58
Loading Quantity (ODU)	20'GP	unit	110
	40'GP	unit	232
	40'HQ	unit	232

Hot Water Converter

Product Model			NRZ16G/NhB-S
Hot Water Heating Capacity		kW	4.5(2.8~5.6)
Dimension(W × D × H)	Outline	mm	365 × 200 × 152
	Package	mm	640 × 255 × 215
Power Supply		V, PH, Hz	220-240V~, 50Hz
Input of Auxiliary Electrical Heater		kW	1.66
Max. Rated Current/Max. Circuit Current		A	7.6/10
Sound Power Level Cooling		dB(A)	41
Connectting Pipe	Liquid (to ODU)	mm	Φ6.35
	Gas (high pressure)(to ODU)	mm	Φ9.52
	Gas(high pressure) (to water tank)	mm	Φ9.52
Net/Gross Weight		kg	5/6.5
Loading Quantity (ODU)	20'GP	unit	902
	40'GP	unit	1837
	40'HQ	unit	2171

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GMV9 Mini

R32



Compact Design · Silent Comfort · Smart Living

GMV9 Mini

Smart Fit | For Home · For Hub · Naturally Aligned



Outdoor Unit



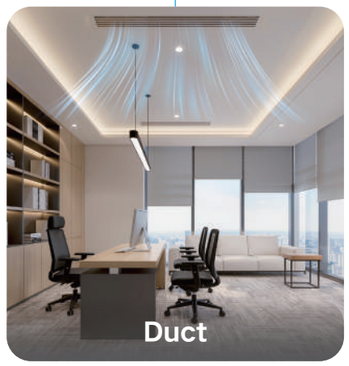
External Refrigerant Shut-off Valve Box



Cassette



Wall-mounted



Duct

Design for R32 Safety

Rapid Recovery · Instant Shutoff · Minimal Indoor Leakage

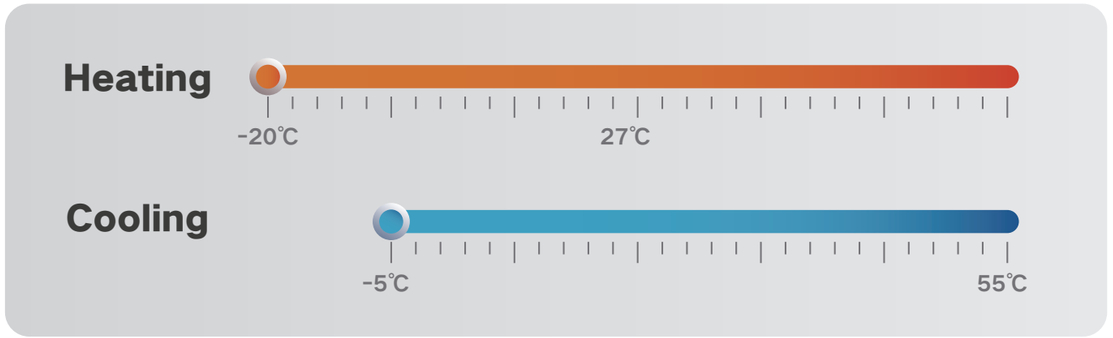
- A safety device used in AC systems with R32 refrigerant.
- Installed between outdoor unit and indoor unit.
- Cut off the refrigerant in the event of a refrigerant leak.
- Disconnect Memory
- Drain-Free
- Safer & More Reliable



External Refrigerant
Shut-off Valve Box

High Climate Adaptability

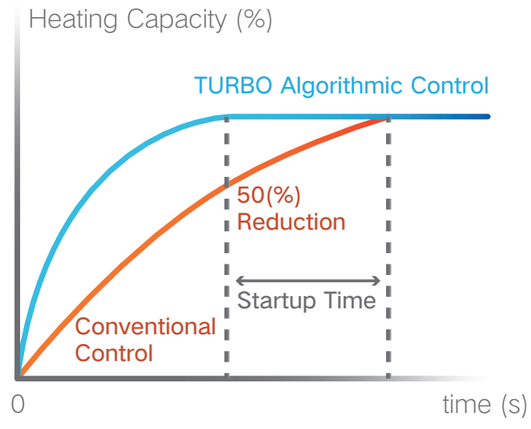
Wide operating range



- Cooling operation range is expanded to -5℃~55℃.
- Operate continuously and stably within this temperature range, ensuring the air conditioning performance.

Low-temperature cold start technology

- Powered by the TURBO low-temperature flow prediction algorithm, the system prioritizes precise intermediate pressure control.
- By intelligently coordinating the compressor, fan, and EEV to adapt to cold-climate refrigerant behavior, it rapidly accelerates refrigerant circulation to enhance heating performance.



Low-temperature cold start technology

Quiet & Comfortable

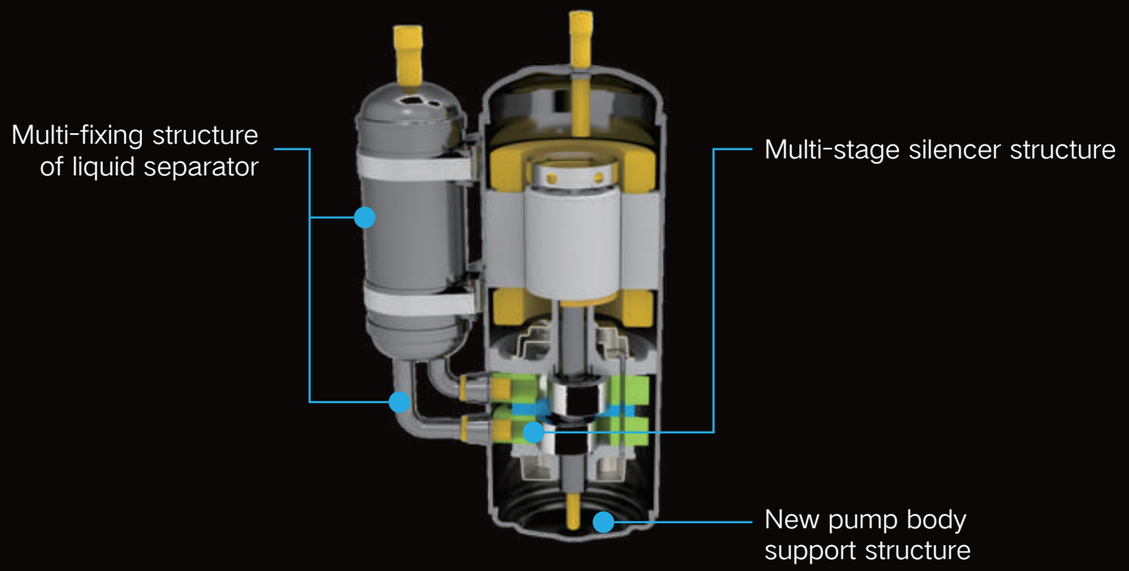
Quiet Operation

Sound pressure levels as low as **40dB(A)** in quiet mode

sound pressure in Quiet Mode 12 · tested to EN 12102

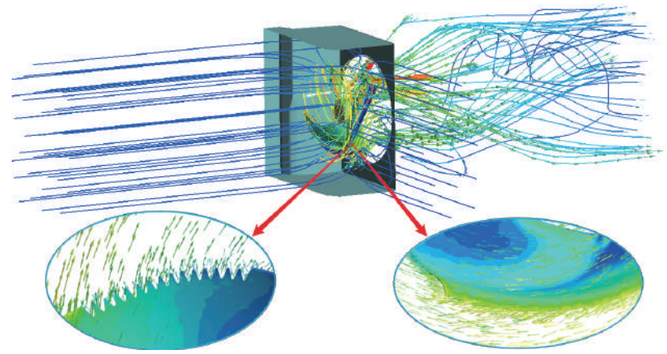
Silent Upgrade Technology

- Substantially lowers the compressor's low-frequency "humming" sound during prolonged low-speed operation.
- Effectively cuts down exhaust noise.
- Significantly reduces liquid separator resonance sound.



Owl Wing Biomimetic Design

- Breaking down trailing vortex with serrated structure to achieve noise reduction.
- For the "three-vortex" structure in the axial fan blade flow field, an innovative blade tip bending structure is proposed to suppress the formation and development of the tip leakage vortex and tip vortex, achieving efficiency improvement and noise reduction.



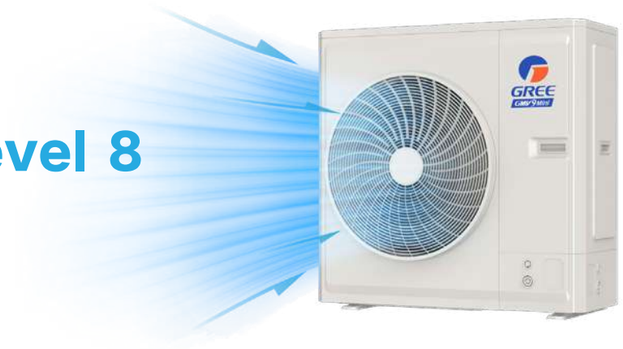
Owl wing biomimetic design

"Three-vortex" structure

Strong Wind Resistance

Reliable startup and stable operation even in strong reverse winds up to Level 8.

Winds up to Level 8



*Tested at -15℃ ambient (indoor: 5℃) under laboratory conditions. Actual performance may vary.

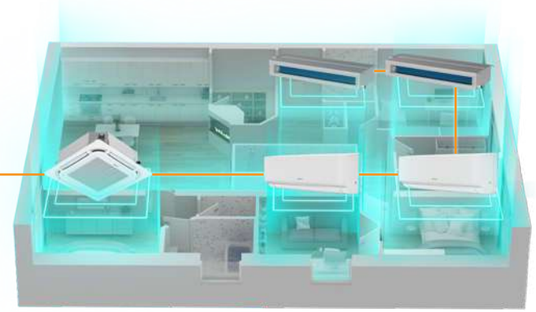
Intelligent Control

CAN Communication Technology

- New-generation CAN communication technology, with super anti-interference capacity.
- Automatic addressing of indoor and outdoor units, no need for dip switches.



With super
anti-interference capacity



Control Options

Wired controller

0.5℃ precise temperature control: Detects temperature & humidity

GREE+ App remote: Weekly timer & scheduling



Wired Controller

Large color touchscreen
WiFi & App remote control
Weekly auto-scheduling
OTA software updates



IR Remote

Mode: Auto, Cool, Dry, Fan, Heat

Fan: **6** speeds + Turbo

Airflow: Independent vertical/horizontal control



Central Controller

Multiple modes: auto, one-touch, weekly schedule, calendar

Manages up to **255** VRF indoor uints



R32 Safety Alam

Standalone audio-visual alert — connects with wired controllers and indoor units for clear, effective attention in large spaces



ODU Specification

GMV9 Mini

Product Model			GMV-121WL/NhD-T	GMV-141WL/NhD-T	GMV-160WL/NhD-T
Capacity range		HP	4	5	6
Cooling Capacity	Rated	kW	12.1	14.1	15.5
	Max.	kW	12.1	14.1	15.5
Heating Capacity	Rated	kW	12.1	14.1	15.5
	Max.	kW	14	16	17.5
SEER	Duct	-	7.68	7.63	7.49
	Cassette	-	8	7.74	7.62
SCOP	Duct	-	4.92	4.87	4.81
	Cassette	-	4.9	4.84	4.7
Power Supply		V, PH, Hz	220-240V~, 50Hz	220-240V~, 50Hz	220-240V~, 50Hz
Air Flow Volume		m3/h	5000	5600	6100
Max. Rated Power Input		kW	6.32	5.79	6.07
Max. Rated Current/Max. Circuit Current		A	29.3/32	26.9/32	28.2/32
Maximum drive IDU NO.		unit	7	8	9
Refrigerant Charge		kg	2.4	2.4	2.4
Sound Power Level Cooling	Cooling	dB(A)	71	73	75
	Heating	dB(A)	74	75	76
Connectting Pipe	Liquid (to IDU)	mm	Φ9.52	Φ9.52	Φ9.52
	Gas (to IDU)	mm	Φ15.9	Φ15.9	Φ15.9
Max. Equivalent Connection Pipe Length(Outdoor to Last Indoor)		m	60	60	60
Dimension(W × D × H)	Outline	mm	990 × 370 × 955	990 × 370 × 955	990 × 370 × 955
	Package	mm	1068 × 468 × 1110	1068 × 468 × 1110	1068 × 468 × 1110
Net/Gross Weight		kg	79.5/87.5	79.5/87.5	79.5/87.5
Loading Quantity (ODU)	20'GP	unit	48	48	48
	40'GP	unit	100	100	100
	40'HQ	unit	100	100	100

External Refrigerant Shut-off Valve Box

Product Model			VB01JD2/A
Power Supply		V, PH, Hz	220~240V/50/60Hz
Fuse Current/Max. Circuit Current		A	3.15/6
Connection Type		-	Brazing Connection
Connectting Pipe(to ODU)	Liquid	mm	Φ9.52
	Gas	mm	Φ15.9
	Gas(high pressure)	mm	Φ12.7
Connectting Pipe(to IDU)	Liquid	mm	Φ9.52
	Gas (to IDU)	mm	Φ15.9
	Gas(to Hydro Box)	mm	Φ12.7
Connective Max. Length(to ODU)		m	5
Dimension(W×D×H)	Outline	mm	410 × 244 × 131
	Package	mm	852 × 335 × 249
Net/Gross Weight		kg	6.5/9
Loading Quantity (ODU)	20'GP	unit	378
	40'GP	unit	801
	40'HQ	unit	890

*The outline dimensions of the outdoor unit do not include the fan grill.
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GMV Indoor Units (R32)



Indoor Unit Lineup

Type of IDU \ Specification(kW)		1.5	1.8	2.2	2.5	2.8	3.2	3.6	4	4.5	5	5.6	6.3	7.1	8	9	10	11	13	14
Duct	High static pressure			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Cassette	Ultra-slim 360° air discharge			●		●		●		●	●	●	●	●	●	●	●	●	●	●
	360° air discharge compact	●	●	●		●		●		●	●	●	●	●						
Wall-mounted	Cosmo	●	●	●		●		●		●	●	●	●	●	●	●	●			

Quick Review of IDU Functions

Type of IDU		R32 Leak Detection Sensor	Indoor Temperature Detection Point (Optional)	Indoor Temperature Detection and Revision	Static Pressure Adjustment	Fresh Air Device (Optional)	PM2.5 Filter (Optional)	Filter Washing Reminding	Auto Addressing	CAN+ Communication	Singe/Parallel Connection	Power off Memory	Low-temp Anti-frost	SET BACK	Management of schedule	Intelligent Billing System
Duct	High static pressure	●	●	●	●		●	●	●	●	●	●	●	●	●	●
Cassette	Ultra-slim 360° air discharge	●	●	●		●		●	●	●	●	●	●	●	●	●
	360° air discharge compact	●	●	●				●	●	●	●	●	●	●	●	●
Wall-mounted	Cosmo	●	●	●				●	●	●	●	●	●	●	●	●

Design for R32 Safety

Rapid Recovery · Instant Shutoff · Minimal Indoor Leakage

Leak Detection & Explosion Protection

Refrigerant Detection

Precision Refrigerant Leak Detection Technology, High-Precision Refrigerant Sensors, Accurate Leak Detection





Explosion-Proof Component Design

Explosion-Proof Relays and Components, Electronics Separated from Refrigerant

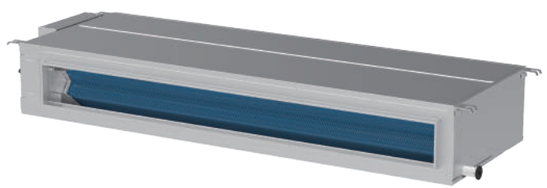




Shut-off & Recovery

Safety Alarm with Audio and Visual

Alerts, Multi-Dimensional Safety Alerts



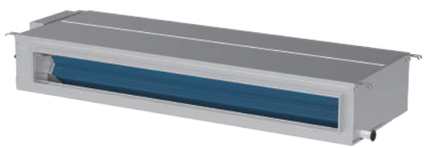




Ducted Indoor Units

High Static Pressure Ducted Indoor Unit

- Optional R32 leak detection sensor
- Capacity range: 2.2 kW to 18 kW
- External static pressure up to 200 Pa (models 56 – 160)
- 9-step adjustment for engineering flexibility and rapid installation
- Long-distance air distribution for multiple zones and complex layouts
- Fresh air intake with removable damper via outdoor ducts
- Standard condensate pump up to 1,200 mm for flexible vertical placement
- Fully detachable external electrical box for streamlined inspection and maintenance



Wall-Mounted Indoor Units

Cosmo Series

- Optional R32 leak detection sensor
- High-efficiency airflow design (new volute tongue shape)
- 3D airflow and 7 fan speeds
- New generation of noise-reducing piping and valve structure design for quiet life
- 4-Point health design: easy removal air outlet, ultra-large built-in filter, auto-cleaning evaporator,
- Easy installation and maintenance: Quick mainboard disassembly design, English scales mounting plate
- Available with three optional panels



Cassette Indoor Units

Ultra-slim 360° Air Discharge Cassette Indoor Unit

- Optional R32 leak detection sensor
- 360° surrounding airflow: Wide air supply range.
- Independent swing control: The air supply direction can be adjusted independently
- New shelling design: Optimizes the chassis stamping process to increase structural rigidity and ensure safety and reliability during installation and long-term use.
- High energy efficiency: DC motor and inverter control technology ensure high energy efficiency and performance.
- High-Head DC low-noise drain pump with a lift height up to 1200mm
- Optional fresh air kit: Effectively introduce 8 ~ 10% of outdoor fresh air
- Multiple protection: Refrigerant leakage protection,water full protection, anti-freezing protection, fan error protection, etc



360° Air Discharge Compact Cassette Indoor Unit

- Optional R32 leak detection sensor
- 360° surrounding airflow: Wide air supply range.
- Independent swing control: The air supply direction can be adjusted independently
- High energy efficiency: DC motor and inverter control technology ensure high energy efficiency and performance.
- High-Head DC low-noise drain pump with a lift height up to 1200mm
- Multiple protection: Refrigerant leakage protection,water full protection, anti-freezing protection, fan error protection, etc



IDU Specification

High Static Pressure Ducted IDU

Product Model			GMV-ND22PHS/NhD-T	GMV-ND25PHS/NhD-T	GMV-ND28PHS/NhD-T	GMV-ND32PHS/NhD-T	GMV-ND36PHS/NhD-T
Cooling Capacity		kW	2.2	2.5	2.8	3.2	3.6
Heating Capacity		kW	2.5	2.8	3.2	3.6	4
Power Supply		V, PH, Hz	220-240V/208-230V~ 50/60HZ				
Max. Rated Power Input		kW	0.065	0.065	0.065	0.065	0.065
Air Flow Volume(H/M/L)		m^3/h	600/500/420	600/500/420	600/500/420	600/500/420	600/500/420
Rated Current Input	Cooling	A	0.5	0.5	0.5	0.5	0.5
	Heating	A	0.5	0.5	0.5	0.5	0.5
External Static Pressure		Pa	60/0-150	60/0-150	60/0-150	60/0-150	60/0-150
Sound Pressure Level(H/M/L)		dB(A)	31/28/26	31/28/26	31/28/26	31/28/26	31/28/26
Sound Power Level (H/M/L)		dB(A)	58	58	58	58	58
Connecting Pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Drain Pipe	External Dia	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (WxDxH)	Outline	mm	700×700×300	700×700×300	700×700×300	700×700×300	700×700×300
	Package	mm	897×808×360	897×808×360	897×808×360	897×808×360	897×808×360
Net/Gross Weight	Main Body	kg	32/38	32/38	32/38	32/38	32/38
Loading Quantity (IDU)	20'	unit	84	84	84	84	84
	40'	unit	168	168	168	168	168
	40'High	unit	196	196	196	196	196

Product Model			GMV-ND40PHS/NhD-T	GMV-ND45PHS/NhD-T	GMV-ND50PHS/NhD-T	GMV-ND56PHS/NhD-T	GMV-ND63PHS/NhD-T
Cooling Capacity		kW	4	4.5	5	5.6	6.3
Heating Capacity		kW	4.5	5	5.6	6.3	7.1
Power Supply		V, PH, Hz	220-240V/208-230V~ 50/60HZ				
Max. Rated Power Input		kW	0.085	0.085	0.085	0.105	0.105
Air Flow Volume(H/M/L)		m^3/h	850/700/600	850/700/600	850/700/600	1000/800/700	1000/800/700
Rated Current Input	Cooling	A	0.7	0.7	0.7	0.8	0.8
	Heating	A	0.7	0.7	0.7	0.8	0.8
External Static Pressure		Pa	60/0-150	60/0-150	60/0-150	90/0-200	90/0-200
Sound Pressure Level(H/M/L)		dB(A)	36/33/29	36/33/29	36/33/29	37/34/30	37/34/30
Sound Power Level (H/M/L)		dB(A)	60	60	60	59	59
Connecting Pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
Drain Pipe	External Dia	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (WxDxH)	Outline	mm	700×700×300	700×700×300	700×700×300	1000×700×300	1000×700×300
	Package	mm	897×808×360	897×808×360	897×808×360	1205×813×360	1205×813×360
Net/Gross Weight	Main Body	kg	32/38	32/38	32/38	41.5/46.5	41.5/46.5
Loading Quantity (IDU)	20'	unit	84	84	84	66	66
	40'	unit	168	168	168	138	138
	40'High	unit	196	196	196	161	161

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Product Model			GMV-ND71PHS/NhD-T	GMV-ND80PHS/NhD-T	GMV-ND90PHS/NhD-T	GMV-ND100PHS/NhD-T	GMV-ND112PHS/NhD-T
Cooling Capacity		kW	7.1	8	9	10	11.2
Heating Capacity		kW	8	9	10	11.2	12.5
Power Supply		V, PH, Hz	220-240V/208-230V~ 50/60HZ				
Max. Rated Power Input		kW	0.125	0.125	0.16	0.16	0.16
Air Flow Volume(H/M/L)		m^3/h	1250/1050/950	1250/1050/950	1800/1450/1250	1800/1450/1250	2000/1600/1400
Rated Current Input	Cooling	A	1	1	1.1	1.1	1.3
	Heating	A	1	1	1.1	1.1	1.3
External Static Pressure		Pa	90/0-200	90/0-200	90/0-200	90/0-200	90/0-200
Sound Pressure Level(H/M/L)		dB(A)	38/35/31	38/35/31	39/36/32	39/36/32	41/38/36
Sound Power Level (H/M/L)		dB(A)	61	61	62	62	65
Connecting Pipe	Liquid	mm	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9
Drain Pipe	External Dia	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (WxDxH)	Outline	mm	1000×700×300	1000×700×300	1400×700×300	1400×700×300	1400×700×300
	Package	mm	1205×813×360	1205×813×360	1601×813×365	1601×813×365	1601×813×365
Net/Gross Weight	Main Body	kg	41.5/46.5	41.5/46.5	55/61.5	55/61.5	55/61.5
Loading Quantity (IDU)	20'	unit	66	66	42	42	42
	40'	unit	138	138	84	84	84
	40'High	unit	161	161	98	98	98

Product Model			GMV-ND125PHS/NhD-T	GMV-ND140PHS/NhD-T
Cooling Capacity		kW	12.5	14
Heating Capacity		kW	14	16
Power Supply		V, PH, Hz	220-240V/208-230V~ 50/60HZ	
Max. Rated Power Input		kW	0.16	0.265
Air Flow Volume(H/M/L)		m^3/h	2000/1600/1400	2350/1900/1650
Rated Current Input	Cooling	A	1.3	1.8
	Heating	A	1.3	1.8
External Static Pressure		Pa	90/0-200	90/0-200
Sound Pressure Level(H/M/L)		dB(A)	41/38/36	43/40/37
Sound Power Level (H/M/L)		dB(A)	65	78
Connecting Pipe	Liquid	mm	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9
Drain Pipe	External Dia	mm	Φ25	Φ25
	Thickness	mm	2.5	2.5
Dimension (WxDxH)	Outline	mm	1400×700×300	1400×700×300
	Package	mm	1601×813×365	1601×813×365
Net/Gross Weight	Main Body	kg	55/61.5	55/61.5
Loading Quantity (IDU)	20'	unit	42	42
	40'	unit	84	84
	40'High	unit	98	98

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IDU Specification

Ultra-slim 360° Air Discharge Cassette IDU

Product Model			GMV-ND22T/NhD1-T	GMV-ND28T/NhD1-T	GMV-ND36T/NhD1-T	GMV-ND45T/NhD1-T	GMV-ND50T/NhD1-T
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5
Heating Capacity		kW	2.5	3.2	4	5	5.6
Power Supply		V, PH, Hz	220-240V/208-230V~ 50/60HZ				
Max. Rated Power Input		kW	0.023	0.023	0.023	0.032	0.032
Air Flow Volume		m^3/h	800/700/600	800/700/600	800/700/600	900/800/700	900/800/700
Rated Current Input	Cooling	A	0.12	0.12	0.12	0.16	0.16
	Heating	A	0.12	0.12	0.12	0.16	0.16
Sound Pressure Level(H/M/L)		dB(A)	31/29/27	31/29/27	31/29/27	33/31/28	33/31/28
Sound Power Level (H/M/L)		dB(A)	/	/	/	/	/
Connecting Pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7
Drain Pipes	External Dia	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Main Body Dimension (W×D×H)	Outline	mm	840×840×200	840×840×200	840×840×200	840×840×200	840×840×200
	Package	mm	933×933×255	933×933×255	933×933×255	933×933×255	933×933×255
Panel Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65	950×950×65
	Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110
Net/Gross Weight	Main Body	kg	20.5/25	20.5/25	20.5/25	20.5/25	20.5/25
	Panel	kg	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5
Loading Quantity (IDU)	20'	unit	72	72	72	72	72
	40'	unit	152	152	152	152	152
	40'High	unit	169	169	169	169	169

Product Model			GMV-ND56T/NhD1-T	GMV-ND63T/NhD1-T	GMV-ND71T/NhD1-T	GMV-ND80T/NhD1-T	GMV-ND90T/NhD1-T
Cooling Capacity		kW	5.6	6.3	7.1	8	9
Heating Capacity		kW	6.3	7.1	8	9	10
Power Supply		V, PH, Hz	220-240V/208-230V~ 50/60HZ				
Max. Rated Power Input		kW	0.042	0.042	0.042	0.042	0.06
Air Flow Volume		m^3/h	1100/935/850	1100/935/850	1100/935/850	1400/1000/900	1400/1000/900
Rated Current Input	Cooling	A	0.35	0.35	0.35	0.35	0.6
	Heating	A	0.35	0.35	0.35	0.35	0.6
Sound Pressure Level(H/M/L)		dB(A)	35/32/30	35/32/30	35/32/30	38/34/31	38/34/31
Sound Power Level (H/M/L)		dB(A)	53	53	53	53	/
Connecting Pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.9
Drain Pipes	External Dia	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Main Body Dimension (W×D×H)	Outline	mm	840×840×200	840×840×200	840×840×200	840×840×200	840×840×240
	Package	mm	933×933×255	933×933×255	933×933×255	933×933×255	933×933×292
Panel Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65	950×950×65
	Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110
Net/Gross Weight	Main Body	kg	21/25.5	21/25.5	21/25.5	21/25.5	22/26.5
	Panel	kg	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5
Loading Quantity (IDU)	20'	unit	72	72	72	72	68
	40'	unit	152	152	152	152	139
	40'High	unit	169	169	169	169	157

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Product Model			GMV-ND100T/NhD1-T	GMV-ND112T/NhD1-T	GMV-ND125T/NhD1-T	GMV-ND140T/NhD1-T
Cooling Capacity		kW	10	11.2	12.5	14
Heating Capacity		kW	11.2	12.5	14	16
Power Supply		V, PH, Hz	220-240/208-230, 1, 50/60			
Max. Rated Power Input		kW	0.09	0.09	0.1	0.1
Air Flow Volume		m^3/h	1550/1200/1000	1550/1200/1000	1800/1450/1150	1800/1450/1150
Rated Current Input	Cooling	A	0.8	0.8	0.9	0.9
	Heating	A	0.8	0.8	0.9	0.9
Sound Pressure Level(H/M/L)		dB(A)	42/37/33	42/37/33	43/38/33	43/38/33
Sound Power Level (H/M/L)		dB(A)	/	/	/	/
Connecting Pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9
Drain Pipes	External Dia	mm	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5
Main Body Dimension (W×D×H)	Outline	mm	840×840×240	840×840×240	840×840×290	840×840×290
	Package	mm	933×933×292	933×933×292	933×933×345	933×933×345
Panel Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65
	Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110
Net/Gross Weight	Main Body	kg	22/26.5	22/26.5	25/29.5	25/29.5
	Panel	kg	6/9.5	6/9.5	6/9.5	6/9.5
Loading Quantity (IDU)	20'	unit	68	68	58	58
	40'	unit	139	139	117	117
	40'High	unit	157	157	135	135

360° Air Discharge Compact Cassette IDU

Product Model			GMV-ND15T/NhE-T	GMV-ND18T/NhE-T	GMV-ND22T/NhE-T	GMV-ND28T/NhE-T	GMV-ND36T/NhE-T
Cooling Capacity		kW	1.5	1.8	2.2	2.8	3.6
Heating Capacity		kW	1.8	2.2	2.5	3.2	4
Power Supply		V, PH, Hz	220-240V/208-230V~ 50/60HZ				
Max. Rated Power Input		kW	0.021	0.021	0.021	0.028	0.028
Air Flow Volume		m^3/h	500/460/370	500/460/370	500/460/370	570/480/420	620/550/480
Rated Current Input	Cooling	A	0.11	0.11	0.11	0.15	0.15
	Heating	A	0.11	0.11	0.11	0.15	0.15
Sound Pressure Level(H/M/L)		dB(A)	31/28/26	31/28/26	31/28/26	35/33/28	35/33/28
Sound Power Level (H/M/L)		dB(A)	47	47	47	50	50
Connecting Pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Drain Pipes	External Dia	mm	φ25	φ25	φ25	φ25	φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Main Body Dimension (W×D×H)	Outline	mm	570×570×265	570×570×265	570×570×265	570×570×265	570×570×265
	Package	mm	698×653×295	698×653×295	698×653×295	698×653×295	698×653×295
Panel Dimension (W×D×H)	Outline	mm	620×620×47.5	620×620×47.5	620×620×47.5	620×620×47.5	620×620×47.5
	Package	mm	693×693×115	693×693×115	693×693×115	693×693×115	693×693×115
Net/Gross Weight	Main Body	kg	17/21.5	17/21.5	17/21.5	17/21.5	17/21.5
	Panel	kg	3/4.5	3/4.5	3/4.5	3/4.5	3/4.5
Loading Quantity (IDU)	20'	unit	137	137	137	137	137
	40'	unit	304	304	304	304	304
	40'High	unit	343	343	343	343	343

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ODU Specification

Product Model			GMV-ND45T/NhE-T	GMV-ND50T/NhE-T	GMV-ND56T/NhE-T	GMV-ND63T/NhE-T	GMV-ND71T/NhE-T
Cooling Capacity		kW	4.5	5	5.6	6.3	7.1
Heating Capacity		kW	5	5.6	6.3	7.1	8
Power Supply		V, PH, Hz	220-240V/208-230V~ 50/60HZ				
Max. Rated Power Input		kW	0.028	0.042	0.042	0.046	0.046
Air Flow Volume		m^3/h	650/570/500	730/650/560	730/650/560	800/660/570	800/660/570
Rated Current Input	Cooling	A	0.15	0.23	0.23	0.25	0.25
	Heating	A	0.15	0.23	0.23	0.25	0.25
Sound Pressure Level(H/M/L)		dB(A)	35/33/28	43/40/38	43/40/38	43/40/38	43/40/38
Sound Power Level (H/M/L)		dB(A)	50	56	56	56	56
Connecting Pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
Drain Pipes	External Dia	mm	φ25	φ25	φ25	φ25	φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Main Body Dimension (W×D×H)	Outline	mm	570×570×265	570×570×265	570×570×265	570×570×265	570×570×265
	Package	mm	698×653×295	698×653×295	698×653×295	698×653×295	698×653×295
Panel Dimension (W×D×H)	Outline	mm	620×620×47.5	620×620×47.5	620×620×47.5	620×620×47.5	620×620×47.5
	Package	mm	693×693×115	693×693×115	693×693×115	693×693×115	693×693×115
Net/Gross Weight	Main Body	kg	17/21.5	17/21.5	17/21.5	17/21.5	17/21.5
	Panel	kg	3/4.5	3/4.5	3/4.5	3/4.5	3/4.5
Loading Quantity (IDU)	20'	unit	137	137	137	137	137
	40'	unit	304	304	304	304	304
	40'High	unit	343	343	343	343	343

IDU Specification

Product Model			GMV-ND45G/NhA1C-T	GMV-ND50G/NhA1C-T	GMV-ND56G/NhA1C-T	GMV-ND63G/NhA1C-T	GMV-ND71G/NhA1C-T
Cooling Capacity		kW	4.5	5	5.6	6.3	7.1
Heating Capacity		kW	5	5.6	6.3	7.1	7.5
Power Supply		V, PH, Hz	220-240V/208-230V~ 50/60HZ				
Max. Rated Power Input		kW	0.035	0.035	0.06	0.06	0.06
Air Flow Volume		m^3/h	650/600/500	650/600/500	900/820/700	900/820/700	900/820/700
Rated Current Input	Cooling	A	0.2	0.2	0.4	0.4	0.4
	Heating	A	0.2	0.2	0.4	0.4	0.4
Sound Pressure Level(H/M/L)		dB(A)	42/39/34	42/39/34	44/42/38	44/42/38	44/42/38
Sound Power Level (H/M/L)		dB(A)	56/54/48	56/54/48	58/56/51	58/56/51	58/56/51
Connecting Pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
Drain Pipes	External Dia	mm	Φ20	Φ20	Φ20	Φ20	Φ20
	Thickness	mm	1.5	1.5	1.5	1.5	1.5
Main Body Dimension (W×D×H)	Outline	mm	978×248×333	978×248×333	1116×248×333	1116×248×333	1116×248×333
	Package	mm	1113×417×350	1113×417×350	1257×425×356	1257×425×356	1257×425×356
Net/Gross Weight	Main Body	kg	13.5/16.5	13.5/16.5	16/19.5	16/19.5	16/19.5
Loading Quantity (IDU)	20'	unit	168	168	132	132	132
	40'	unit	336	336	276	276	276
	40'High	unit	392	392	322	322	322

Wall-Mounted IDU - Cosmo Series

Product Model			GMV-ND15G/NhA1C-T	GMV-ND18G/NhA1C-T	GMV-ND22G/NhA1C-T	GMV-ND28G/NhA1C-T	GMV-ND36G/NhA1C-T
Cooling Capacity		kW	1.5	1.8	2.2	2.8	3.6
Heating Capacity		kW	1.8	2.2	2.5	3.2	4
Power Supply		V, PH, Hz	220-240V/208-230V~ 50/60HZ				
Max. Rated Power Input		kW	0.025	0.025	0.025	0.035	0.035
Air Flow Volume		m^3/h	450/400/350	450/400/350	450/400/350	450/400/350	650/600/500
Rated Current Input	Cooling	A	0.2	0.2	0.2	0.2	0.2
	Heating	A	0.2	0.2	0.2	0.2	0.2
Sound Pressure Level(H/M/L)		dB(A)	36/34/31	36/34/31	36/34/31	36/34/31	42/39/34
Sound Power Level (H/M/L)		dB(A)	53/51/47	53/51/47	53/51/47	53/51/47	56/54/48
Connecting Pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7
Drain Pipes	External Dia	mm	Φ20	Φ20	Φ20	Φ20	Φ20
	Thickness	mm	1.5	1.5	1.5	1.5	1.5
Main Body Dimension (W×D×H)	Outline	mm	867×206×276	867×206×276	867×206×276	867×206×276	978×248×333
	Package	mm	1011×352×294	1011×352×294	1011×352×294	1011×352×294	1113×417×350
Net/Gross Weight	Main Body	kg	9.5/12	9.5/12	9.5/12	9.5/12	13.5/16.5
Loading Quantity (IDU)	20'	unit	238	238	238	238	168
	40'	unit	490	490	490	490	336
	40'High	unit	560	560	560	560	392

Product Model			GMV-ND80G/NhA1C-T	GMV-ND90G/NhA1C-T	GMV-ND100G/NhA1C-T
Cooling Capacity		kW	8	9	9.5
Heating Capacity		kW	9	10	10.5
Power Supply		V, PH, Hz	220-240V/208-230V~ 50/60HZ		
Max. Rated Power Input		kW	0.086	0.086	0.086
Air Flow Volume		m^3/h	1550/1160/860	1550/1160/860	1550/1160/860
Rated Current Input	Cooling	A	0.6	0.6	0.6
	Heating	A	0.6	0.6	0.6
Sound Pressure Level(H/M/L)		dB(A)	50/46/42	50/46/42	50/46/42
Sound Power Level (H/M/L)		dB(A)	64/60/56	64/60/56	64/60/56
Connecting Pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7
Drain Pipes	External Dia	mm	Φ20	Φ20	Φ20
	Thickness	mm	1.5	1.5	1.5
Main Body Dimension (W×D×H)	Outline	mm	1350×253×333	1350×253×333	1350×253×333
	Package	mm	1495×427×373	1495×427×373	1495×427×373
Net/Gross Weight	Main Body	kg	20/25	20/25	20/25
Loading Quantity (IDU)	20'	unit	108	108	108
	40'	unit	228	228	228
	40'High	unit	265	265	265

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Control System



VRF Selector Software(Ultimate)

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

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.

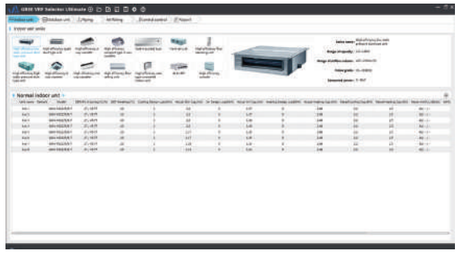
3) Using habit and using standard differs in different regions. The intelligent model selection system will conduct special process according to metric/inch system, unit parameters, different language system in different regions.

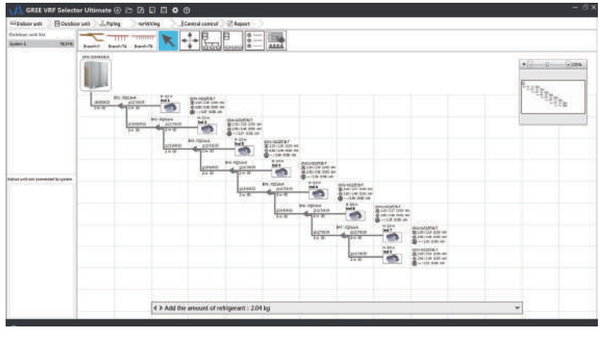
4) It will conduct automatic checking for the whole system, if anyone of the conditions cannot satisfy the user demand, the software will automatically calculate to find the suitable unit and pipe arrangement.



Fast Model Selection

The software can provide user with audio-visual model building experience via 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 of user.



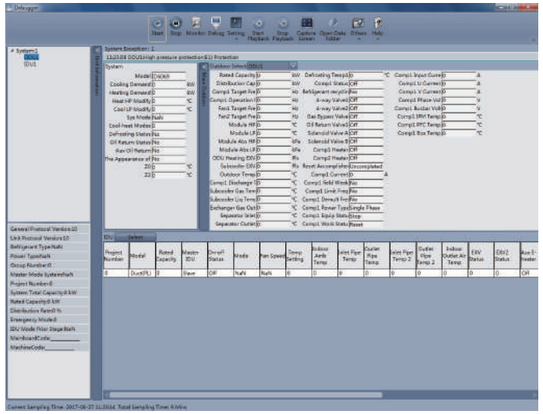


Intelligent Debugging Software

GMV5 offers an intelligent debugging software to the end-users for faster construction needs.

Monitoring Functions

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



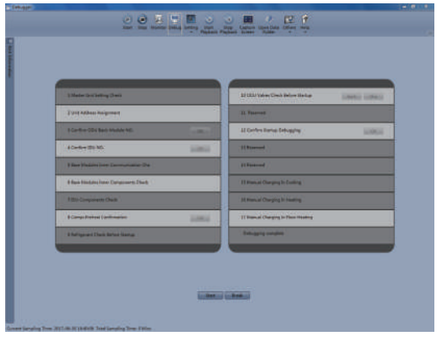
Control Functions

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



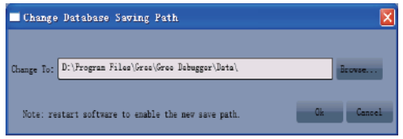
Project Debugging Functions

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

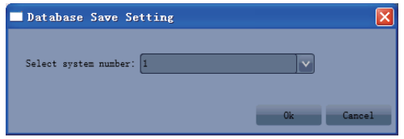


Auto Data-Saving Function

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



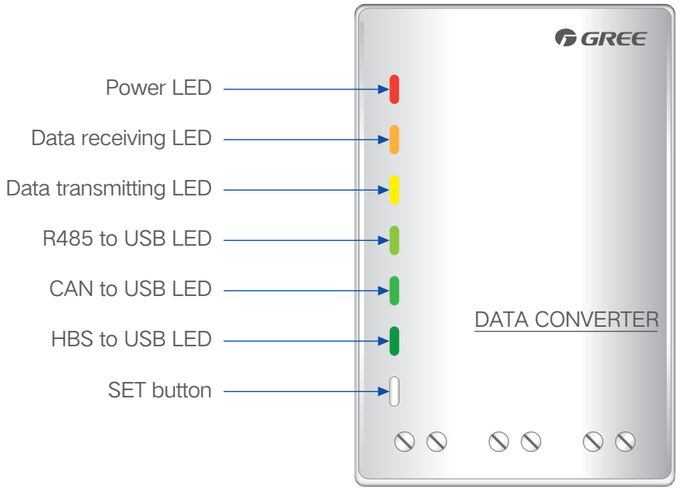
Step 1：Change Database Saving Path



Step 2：Database Save Setting

USB Data Converter

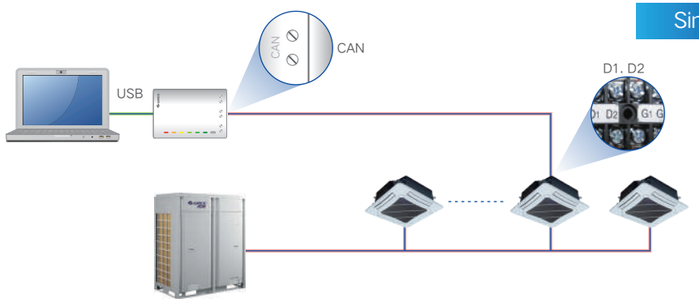
Users can use USB data converter to freely convert CAN/HBS/RS485 data into USB data, achieving data interchange between computer and air conditioner.



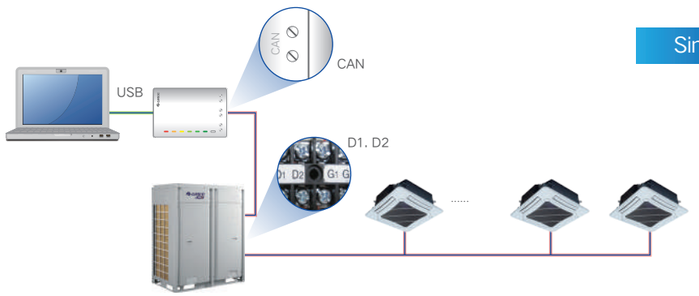
Auto Direction of Connection Way

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

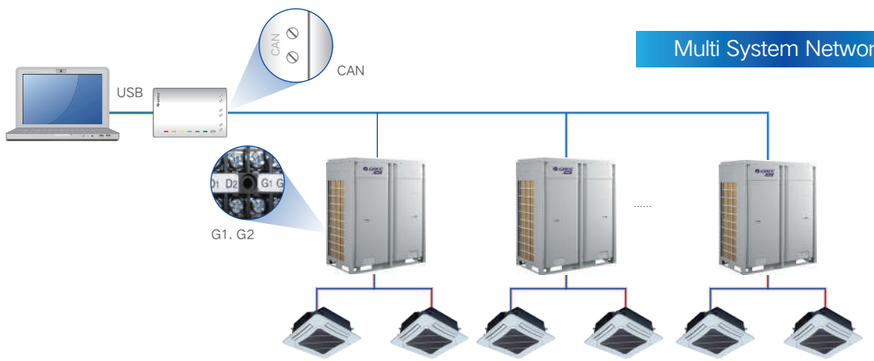
Single System Network



Single System Network

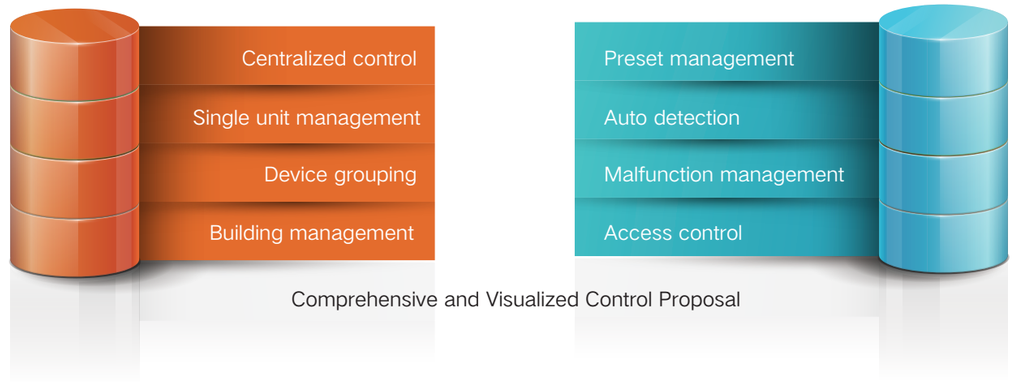


Multi System Network



Intelligent Remote System（Eudemon）

Gree Distributed Remote Monitoring System is based on the distributed framework to achieve centralized control and management of HVAC equipment located in different areas. The system is suitable for large office parks, school dormitories, airports, shopping malls, apartment buildings, office buildings and other scenarios.



5 Key Functions

- **Device monitoring**

  It can monitor and control the parameters of every air conditioning device within the system, for example, on/off, running mode, set temperature, ambient temperature, etc., presenting the communication and malfunction data of air conditioners in a visual way.

- **Remote control**

  Administrator can log in the control system through web browser on any kinds of terminals (from a long distance). Based on user's property management payment or energy-saving needs, you can control the on/off, temperature, running mode or other controllable parameters of any indoor unit from a long distance.

- **Malfunction alarm**

  When an air conditioning device is malfunctioning, the system will report in real time and display malfunction details to users or after-sales service staff for the convenience of locating malfunction and timely maintenance.

- **Property management**

  Visual management: It provides three viewing and control modes in regard to devices, engineering and grouping. You can set "alias" for indoor units, change the details according to structural alteration and view clearly the condition of devices in each area, which is convenient for management.

- **Schedule management**

  It provides customized schedule preset mode and auto switch between "workday mode" and "holiday mode", satisfying different scheduling demands of commercial buildings, workplaces, family units, etc.

5 Key Features

- **Distributed design for balancing the load**

  With distributed structure, the gateway has independent logical memory capability and can perform data processing for the first time, reducing the pressure on server (Intelligent Remote Eudemon). Once customized preset is made, each gateway can work independently, no need to keep connecting to the software.

- **Adopt WEB technology based on HTML5, control the system anywhere**

  The software adopts B/S structure. With system's core functions installed on the server side, the front end adopts HMTL5 technology and the web browser is the client side. You can control the system on different platforms and terminals.

- **Design according to the project, increase interactive experience for convenient debugging and use**

  It adopts visual interactive design, supports one-button import of details, engineering information, and so on, making the modification and debugging more convenient, and the operation more visualized and reliable. On the basis of Ethernet, the building's local network can be utilized directly without the need to build an air conditioning network, saving materials and construction time.

- **Fast, reliable and in real time**

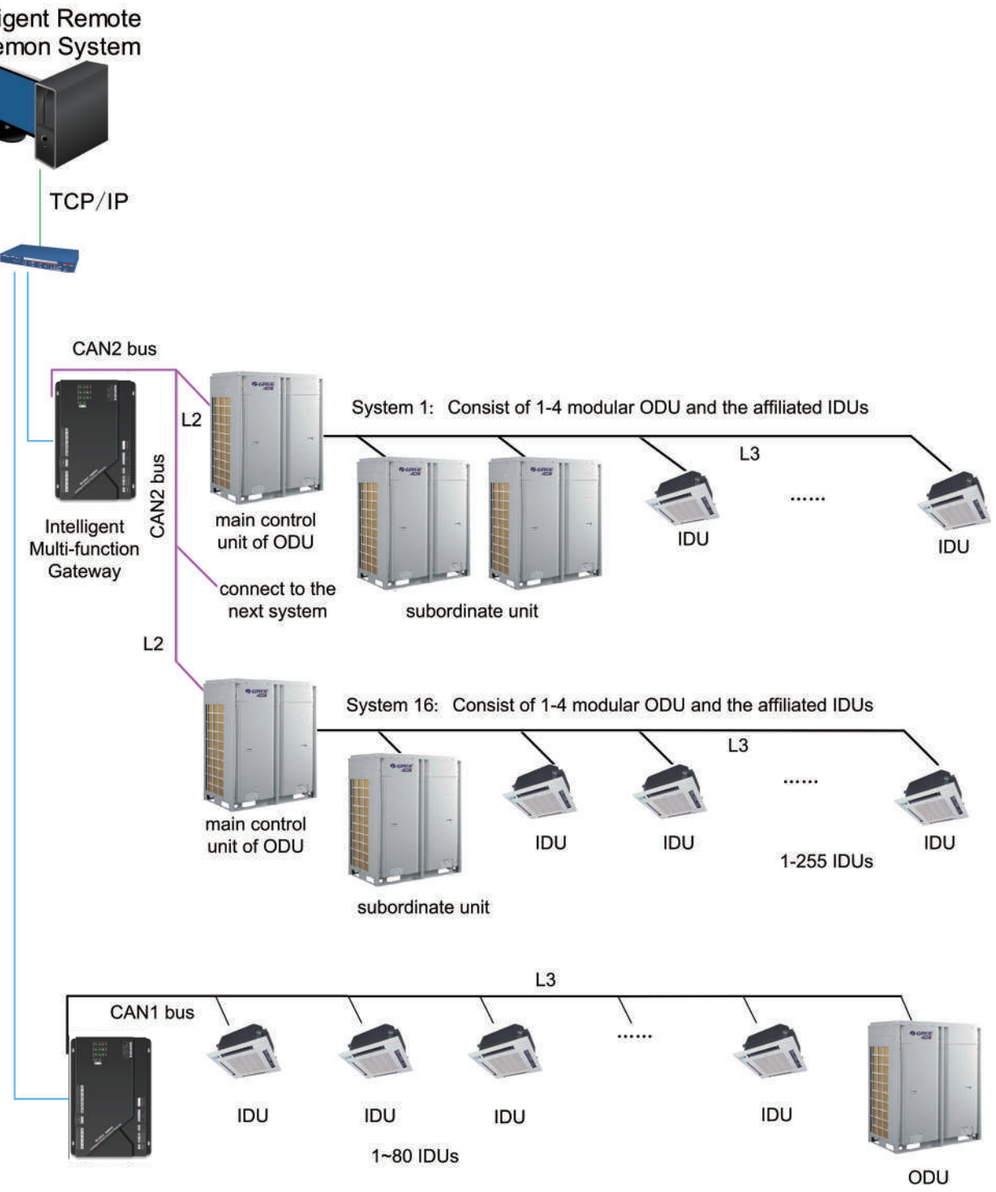
  Instead of using RS485 communication method, it adopts "CAN+Ethernet", which features high efficiency and large data volume. You can view units' condition in real time and control over 4,000 air conditioners in seconds.

Intelligent Multi-function Gateway



Dimension
265x207x56mm

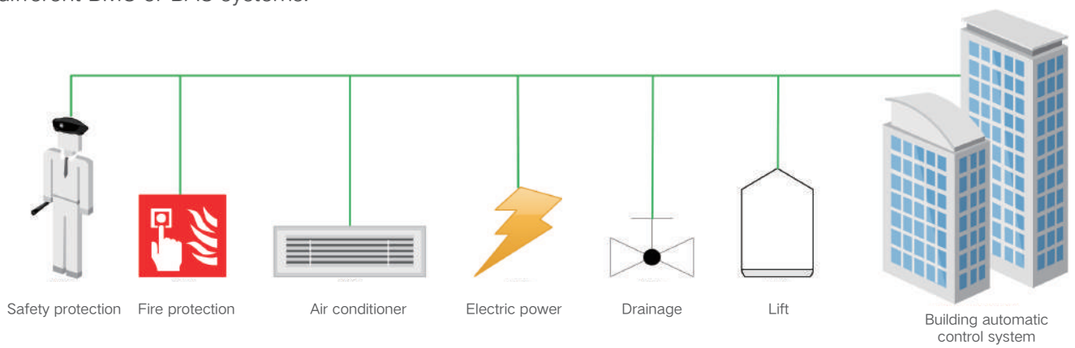
Distributed Structure



Note:
(1) 16 systems or 255 indoor units can be connected to one Intelligent Multi-function Gateway.
(2) 16 Intelligent Multi-function Gateways can be connected to one set of Intelligent Remote Eudemon (customized order is available).

Building Protocol Gateway

Air conditioner is a kind of indispensable equipment in the building, which has higher and higher requirement of automation and intelligence. In order to meet the demand of users solve the problems of air conditioner monitoring and automatic control, Gree has developed multiple building protocol gateways for connecting to different BMS or BAS systems.



BACnet Gateway



Dimension
296 × 177 × 56mm

Functional features

- **Large network capacity**
  One BACnet Gateway can support 16 systems or 255 sets of IDU at most;
- **Group control function**
  BACnet Gateway supports group control ON/OFF of units;
- **Long distance monitor**
  BACnet Gateway supports the remote control of ON/OFF of unit, temperature setting, mode setting, fan speed setting, and shielding function, etc., and can achieve real-time monitor of operating status (ambient temperature, ON/OFF status of unit, etc.), error status (communication error, operational error, different sensor error of unit, etc.);
- **Easy control**
  BACnet Gateway supports collocating gateway IP and related data for embedded webpage, thus user can self-define the gateway IP according to actual situation;
- **I/O expansion**
  BACnet Gateway supports 5 digital input (DI) and output (DO) interfaces, in which DI1 is defined as fire alarm signal input interface, other I/O interfaces can be self-defined by user;

Strong points

- **Provide standard BACnet/IP protocol interface, open the table of protocol point**
  BACnet Gateway provides standard BACnet/IP protocol interface, open the table of BACnet protocol point (unit parameter example No.), for the integration of the building of user;
- **Adopt HTML5 technology, adapt to different environment**
  BACnet Gateway embedded webpage is developed by adopting HTML5 technology, which can set the gateway IP and related information in Windows system, Linux system, or Mac OS system.
- **With ETL and CE certification**
  BACnet Gateway has been rewarded with the north America ETL and EU CE safety certification;

Modbus Gateway(Pro)



Dimension
296 × 177 × 56mm

Functional features

- **Large network capacity**
  One Modbus Gateway (Pro) can support 16 systems or 255 sets of IDU at most;
- **Group control function**
  Modbus Gateway (Pro) supports group control of ON/OFF of unit, temperature setting, mode setting, fan speed setting, and locking functions;
- **Long distance monitor**
  Modbus Gateway (Pro) supports the remote control of ON/OFF of unit, temperature setting, mode setting, fan speed setting, and shielding function, etc., and can achieve real-time monitor of operating status (ambient temperature, ON/OFF status of unit, etc.), error status (communication error, operational error, different sensor error of unit, etc.);
- **I/O expansion**
  Modbus Gateway (Pro) supports 5 digital input (DI) and output (DO) interfaces, in which DI1 is defined as fire alarm signal input interface, other I/O interfaces can be self-defined by user;

Strong points

- **1 gateway can monitor 255 indoor units**
- **Linkable with other networks**
  5 ways of digital input and output enables flexible connection to other networks.
- **Fire alarm interface for auto stop**
  When fire alarm goes off, units can be automatically turned off through the fire alarm interface, which will lower the risk of damage for the units.
- **Provide standard Modbus RTU protocol interface, open the table of protocol point**
  Modbus Gateway (Mini) provides standard Modbus RTU protocol interface, open the table of Modbus protocol point (unit parameter example No.), for the integration of the building of user;
- **With ETL and CE certification**
  Modbus Gateway(Mini) has acquired the north America ETL and EU CE safety certification;

Modbus Gateway(Mini)



Dimension
90x55x20mm

Functional strong points

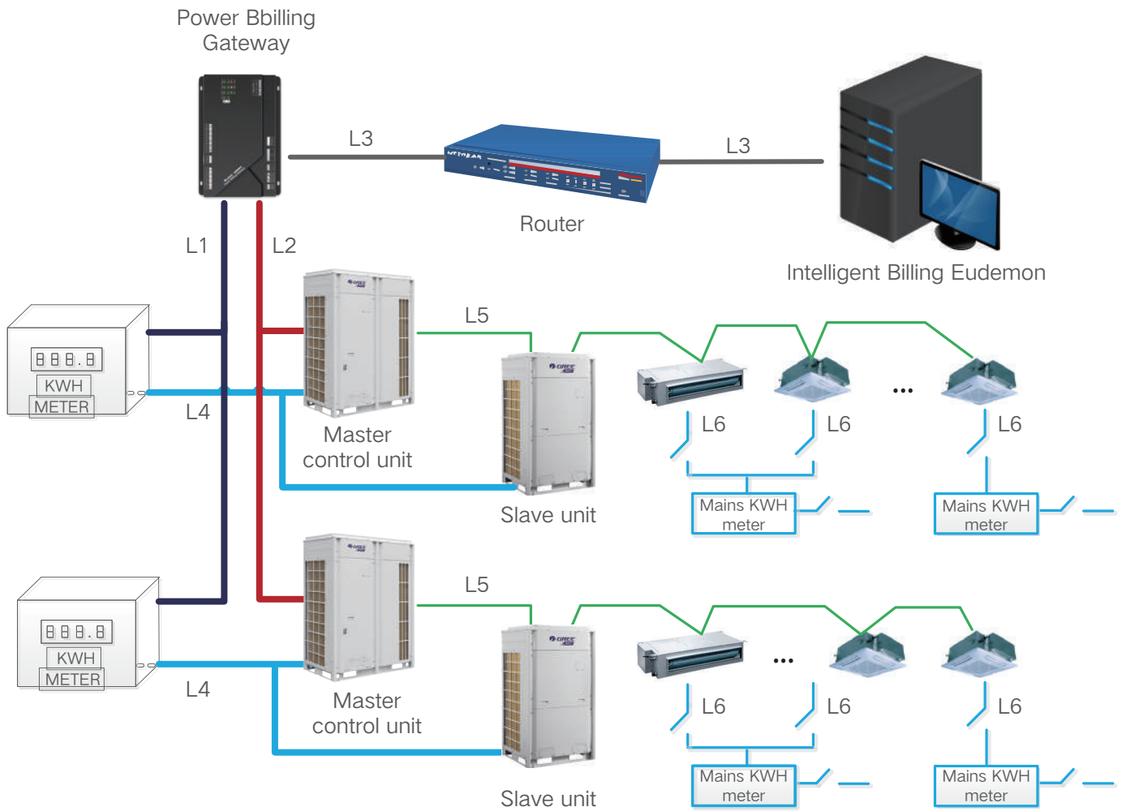
- **Network capacity**
  One Modbus Gateway (Mini) can support 16 systems or 128 sets of IDU at most;
- **Group control function**
  Modbus Gateway (Mini) supports group control of ON/OFF of unit, temperature setting, mode setting, fan speed setting, and locking functions.
- **Long distance monitor**
  Modbus Gateway (Mini) supports the remote control of ON/OFF of unit, temperature setting, mode setting, fan speed setting, and shielding function, etc., and can achieve real-time monitor of operating status (ambient temperature, ON/OFF status of unit, etc.), error status (communication error, operational error, different sensor error of unit, etc.);

Strong points

- **Compact size, easy installation**
  Dimension of Modbus Gateway (Mini) is 90*55*20mm, which can be placed in anywhere satisfies the using conditions, which can be fixed with only two screws;
- **Provide standard Modbus RTU protocol interface, open the table of protocol point**
  Modbus Gateway (Mini) provides standard Modbus RTU protocol interface, open the table of Modbus protocol point (unit parameter example No.), for the integration of the building of user;
- **With ETL and CE certification**
  Modbus Gateway(Mini) has acquired the north America ETL and EU CE safety certification;

Intelligent Billing System (Eudemon)

Gree Intelligent Billing System 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.



L1: RS485 bus for communication between gateway and KWH meter;
L2: CAN2 bus for communication between gateway and unit;
L3: Cable;
L4: ODU power supply cord;
L5: CAN1 bus for communication between IDU and ODU;
L6: IDU power supply cord;

Note:
(1) 16 systems or 255 indoor units can be connected to one Power Billing Gateway;
(2) 16 Power Billing Gateways can be connected to one set of Intelligent Billing Eudemon;
(3) One multi VRF system should be configured with one KWH meter.

5 Key Functions

- **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.

- **Arrearage shutdown**

  When the air conditioner is not available due to overdue bill or other reasons, the shielding function can limit the operation of some of IDU or deactivate some of the functions such as ON/OFF of unit, operating mode, fan speed, etc.

- **Long-distance control**

  The administrator can log in the system via browser of any terminals, and conduct long-distance control for ON/OFF of IDU, temperature, mode and related controllable parameters according to billing or using situation. Meanwhile, it supports management of logging of multiple users.

- **Error alarm**

  When the air conditioning equipment is faulted, the system will report in real time, and display the detailed information of error, and at the same time record to the system database as one of the billing basis.

- **Property management**

  Achieve visible management, you may name the project, floors, tenants, and even set "alias" for indoor units. Details can be imported by one button, convenient for building management.

4 Highlights

- **Distributed design for balancing the load and reducing the risk**

  With distributed structure, the logical operation for billing is built inside the gateway. The software provides centralized management. Each device runs independently, so failure of a certain device will not affect the stability of the entire system.

- **Adopt WEB technology based on HTML5, control the system anywhere**

  The software adopts B/S structure. With system's core functions installed on the server side, the front end adopts HMTL5 technology and the web browser is the client side. You can control the system on different platforms and terminals.

- **Design according to the project, increase interactive experience for convenient debugging and use**

  It adopts visual interactive design, supports one-button import of details, engineering information, and so on, making the modification and debugging more convenient, and the operation more visualized and reliable.

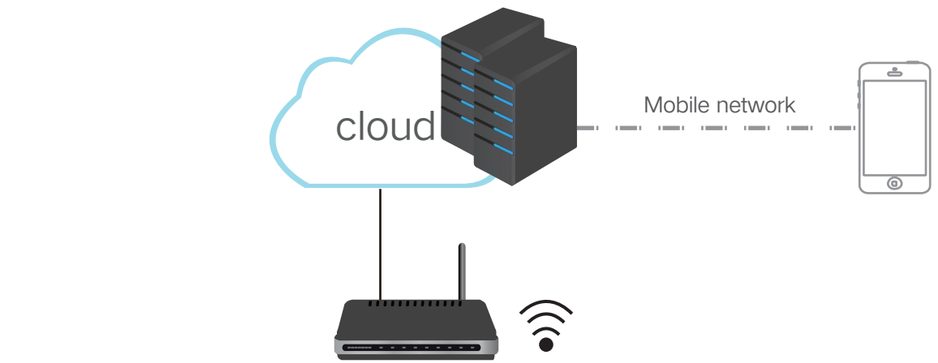
- **Compatible to different electric meters**

No.	Manufacturer	Electric Meter Model	Country of Origin	Satisfactory Regions (reference)
1	ENTES	EPR-04S-96	Turkey	Turkey, Middle East
2	WattNode	WNC-3D-240-MB	America	North America, Latin America
3	Siemens	PAC3200	Germany	Russia, Europe, Asia Pacific
4	Schneider	iEM3255	France	Australia, Europe
5	Wasion	DTS343	China	China

Note:
The billing eudemon is compatible to the above mentioned electric meters, either one of the electric meter can be adopted after being confirmed by the local dealer; the "Satisfactory Regions" in the list are only for reference.

G-Cloud

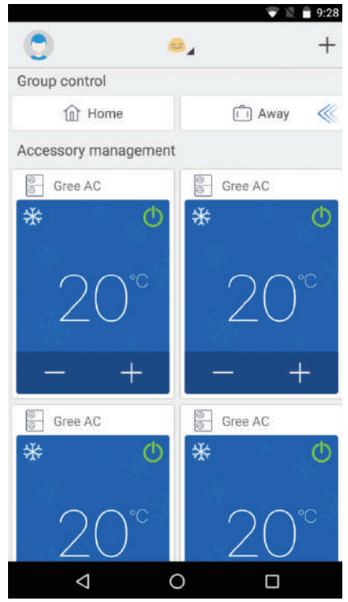
G-Cloud is a new generation WIFI smart controller of Gree commercial units. It adopts a way of operation different from remote control or wired control. It can display air conditioner running status directly to users, who can conduct point-to-point control over air conditioners through an APP. It is an important part of Gree smart home. G-Cloud is designed for intelligent home control, such as preset control, long-distance control, scene management, malfunction reminding and family access management.

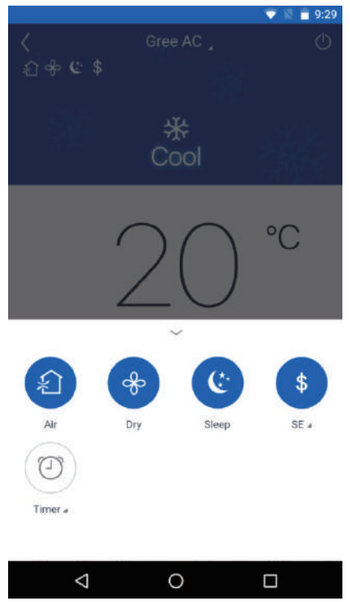




CAN1 network, multi VRF cloud control supports 80 indoor units in a single system, to realize long-distance control

System Chart





APP operation chart

- **Lightweight**
  Compact and easy to install, no need of external power source; power supplied by equipment, available for use right after connection; a shielded wire of 4 cores is required for connection; easy operation; GREE+APP easy user configuration; quick guidance is provided, with simple and clear display;

- **Smart and long-distance control**
  User can set the running status of the cooling system based on a set of rules; long-distance control allows you to master your home appliances at any time;

- **Capability**
  Multi VRF cloud control; one set of device is capable of controlling up to 80 sets of indoor units in a single system; applicable to villas, office buildings, shopping malls, hotels, etc;

- **Sensitive**
  Monitor the units and detect errors.

Wired Controller and Remote Controller

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

Wired controller XK46



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

Wired Controller XK79 (For hotel)



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

Remote Controller YAP1F



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

Remote Controller YV1L1



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

Wired Controller XK55



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

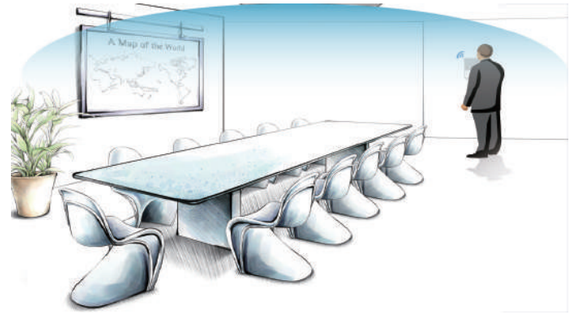
Wired Controller XE70-33/H



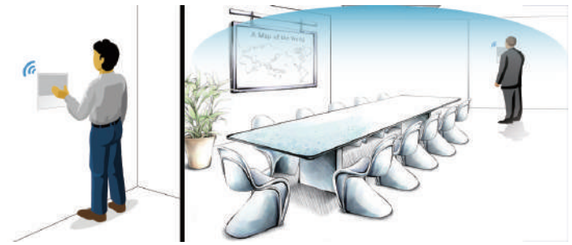
- Elegant and concise appearance;
- Touch buttons with back lighting LCD;
- Chinese and English display can be switched;
- With weekly timer function;
- Complete system functions with each function implemented in an individual page;
- Refreshing, auto dehumidifying, absence and other modes can be set;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



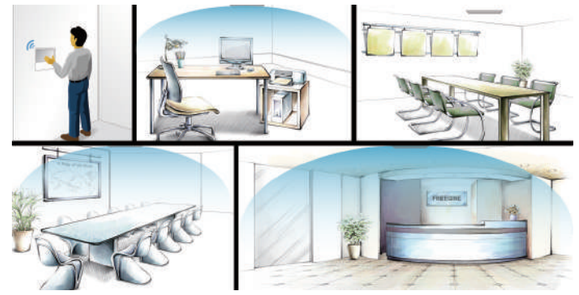
- **Single control of one unit**
  Each indoor unit has an independent controller.



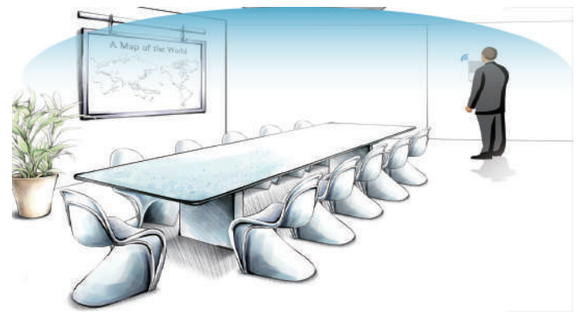
- **Multiple control of one unit**
  One indoor unit can be controlled by several wired controllers at different places.



- **Central control of several indoor units**
  One wired controller can control as many as 16 indoor units.

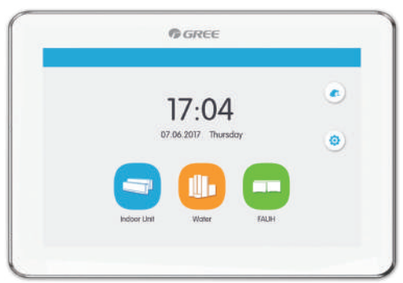


- **Joint control of remote controller and wired controller**
  Users can control one unit with two types of controllers: a remote controller which is convenient and flexible; or a wired controller which includes every function of an air conditioner.



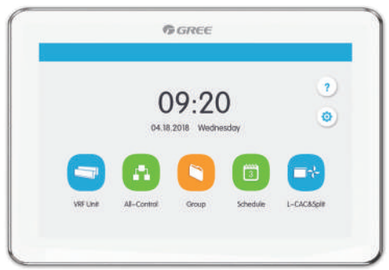
Smart Zone Controller and Central Controller

Smart zone controller CE53-24/F(C)



- High-resolution color LCD;
- 7' capacitive touch screen for easy operation;
- Shielding function of single unit, group and all IDUs (shielding on/off, mode, temp setting, etc.);
- With various functions: centralized control(control all indoor units), group management(support DIY grouping), schedule management(setting of several schedules) and single unit control(on/off, mode, temp setting, fan speed, quiet, swing control, etc.);
- Provide naming of indoor units, selection of icons and personalized settings(setting background, backlight, etc);
- Up to 32 units can be centrally controlled;
- Elegant and fashionable appearance;
- Embedded installation in wall with projecting thickness only of 11mm;
- Connectable with network of indoor units or outdoor units;
- Independent power supply in 100~240V wide voltage range;
- With project setting, parameter viewing, malfunction record and access management functions.

Central controller CE52-24/F(C)



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

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



- Adopt built-in type installation; the exposed part is only 11mm;
- High resolution colorful LCD;
- 4.3 inch capacitive touch screen for easy
- operation;
  With single indoor unit control(including general functions and advanced functions), group indoor units control(including general functions and advanced functions), group management(supporting DIY group), single indoor unit and group indoor units timer functions;(general function: ON/OFF, Mode, Set, Fan, Swing, etc;
- advance functions: Save, Sleep, E-heater, Absence, Quiet, Turbo, etc)
  With long-distance shield function (shield switch,
- mode, set, etc) for single unit, group and all indoor units;
- Support denomination for indoor units, and icon selection, realizing individuation management;
- Support maximum 32 indoor units, with powerful function;
- Indoor or outdoor unit network can be connected, simple and flexible;
- 100~240V super wide voltage for independent power supply, stable and reliable;
  With functions of engineering setting, parameters view, malfunction view and authority management, easy for debugging and maintenance.

Control System Lineup

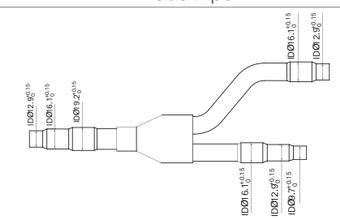
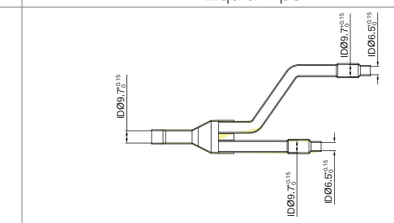
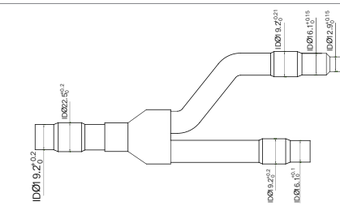
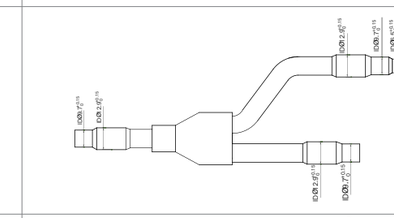
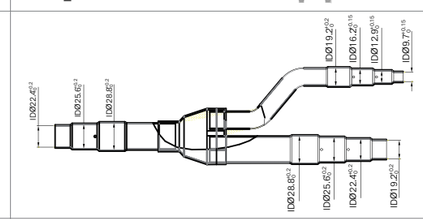
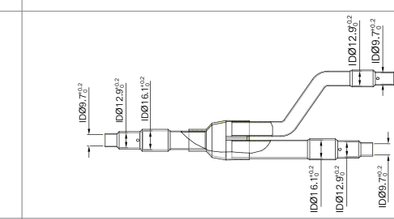
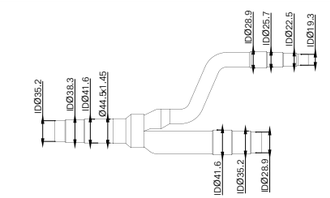
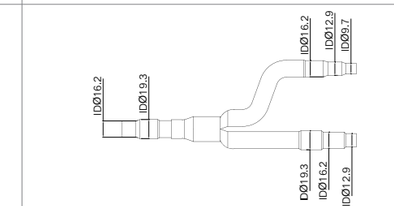
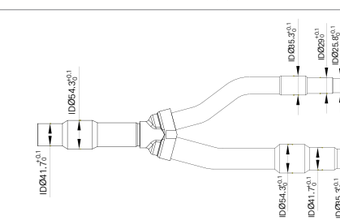
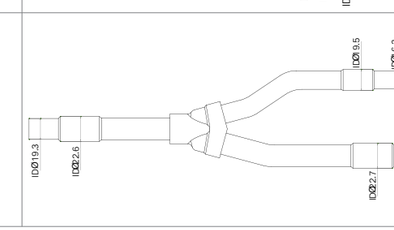
Controlling systems \ Outdoor series				GMV5	GMV5 MINI	GMV5 SLIM	GMV5 Home	GMV5 HR
Long-distance monitor	Intelligent remote eudemon	FE30-24/DF(B)		○	○	○	○	○
		ME30-24/DF(B)						
	Gateway of building protocol	ME30-24/E5(M)		○	○	○	○	○
		ME30-24/E6(M)		○	○	○	○	○
		ME30-24/D4(B)		○	○	○	○	○
Intelligent billing eudemon		FE11-24/D4(B)		○	○	○		○
		ME11-24/D4(B)						
G-Cloud		ME31-00/C3		○	○	○	○	○
Other modules	Optoelectronic isolated converter	GD02		○	○	○	○	○
	Optoelectronic isolated signal mutliplier	RS485-W		○	○	○	○	○

Controlling system \ Indoor series			Cassette Type	Duct Type	Fresh Air Processing	Wall mounted Type	Floor Ceiling Type	Console Type	Floor Standing Type	Air Handler	Concealed Floor Standing Type
Wireless controller	YAP1F		●	○	○	●	●	●	●	○	○
	YV1L1		○	○	○	○	○	○	○	○	○
Wired controller	XK46		○	●	●	○	○	○	○	●	●
	XK79		○	○	○	○	○	○	○	○	○
	XK55		○	○	○	○	○	○	○	○	○
	XE70-33/H		○	○	○	○	○	○	○	○	○
	JS05(receiver)			○	○						○
Central controller	CE52-24/F(C)		○	○	○	○	○	○	○	○	○
Smart zone controller	CE53-24/F(C)		○	○	○	○	○	○	○	○	○
E-Smart zone controller	CE54-24/F(C)		○	○	○	○	○	○	○	○	○

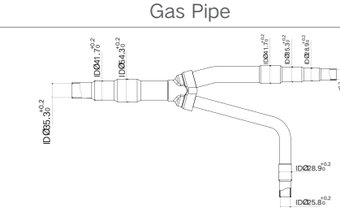
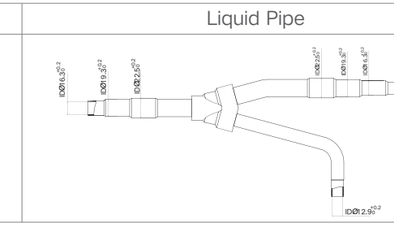
Note: ● means standard, ○ means optional.

Branching Joint (For GMV5E and GMV5 Home)

For Indoor & Outdoor Units

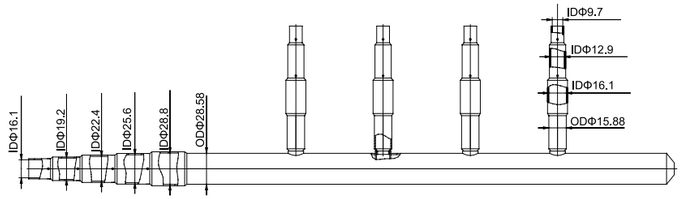
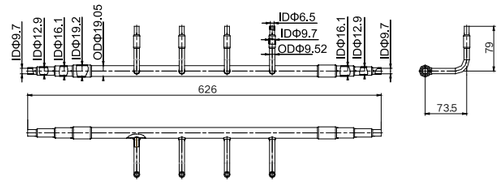
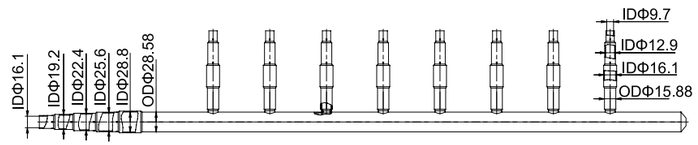
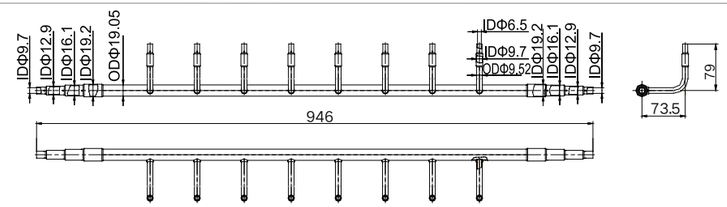
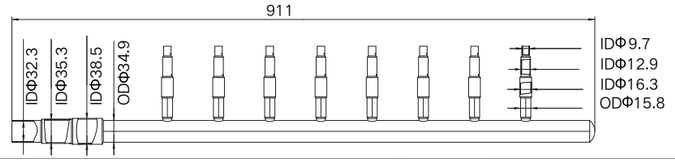
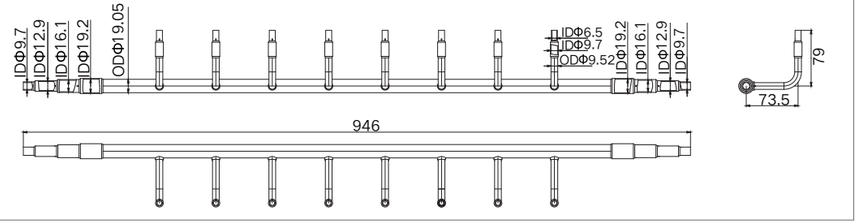
Model	Total Capacity (xkW)	Appearance	
		Gas Pipe	Liquid Pipe
FQ01A/A	X＜20		
FQ01B/A	20≤X≤30		
FQ02/A	30＜X≤70		
FQ03/A	70<X≤135		
FQ04/A	135＜X		

For Outdoor Units (For GMV5E)

Model	Appearance	
	Gas Pipe	Liquid Pipe
ML01/A		

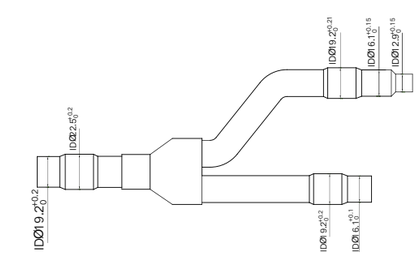
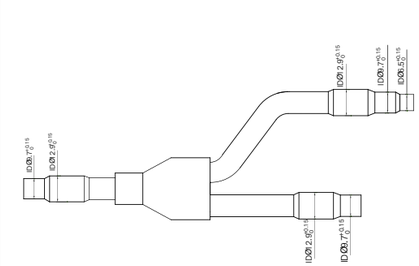
Branching Joint (For GMV5E units)

For Indoor Units

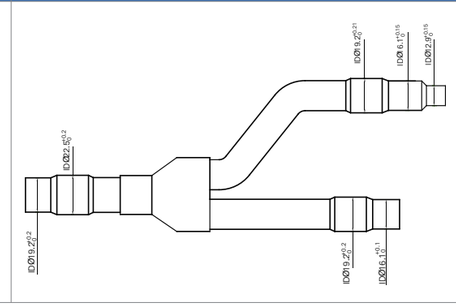
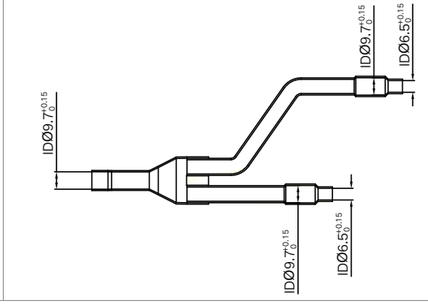
Model	Sort	Blueprint
FQ14/H1	Gas pipe	
	Liquid pipe	
FQ18/H1	Gas pipe	
	Liquid pipe	
FQ18/H2	Gas pipe	
	Liquid pipe	

Total rated capacity of downstream indoor units X(kW)	Upstream connection pipe dimension		Model of manifold pipe
	Gas pipe(mm)	Liquid pipe(mm)	
X≤40.0	≤Φ25.4	≤Φ12.7	FQ14/H1
X≤68.0	≤Φ28.6	≤Φ15.9	FQ18/H1
68.0<X	≥Φ31.8	≥Φ19.05	FQ18/H2

Branching Joint (For GMV5 Home Hydro box to IDU)

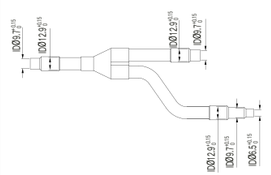
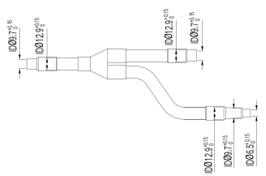
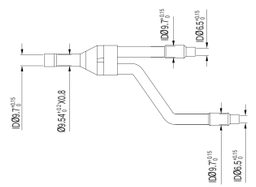
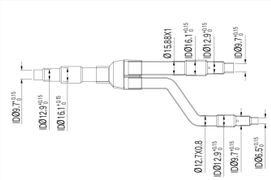
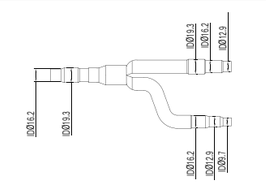
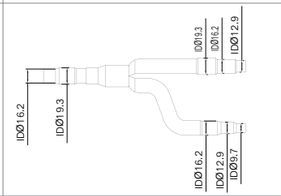
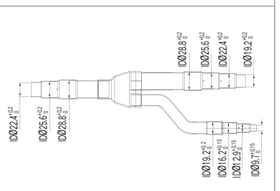
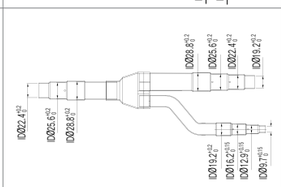
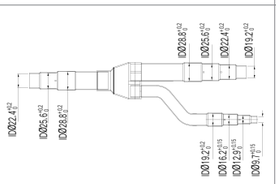
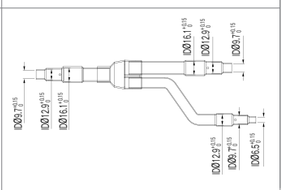
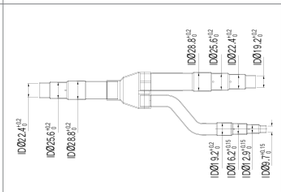
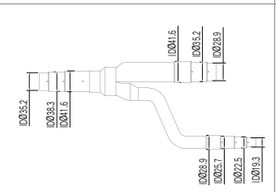
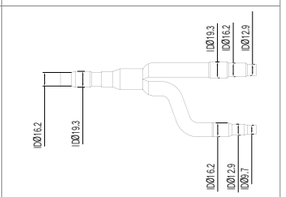
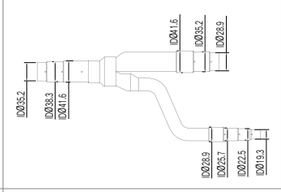
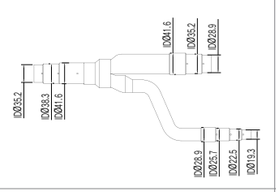
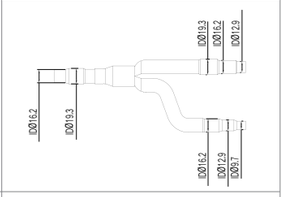
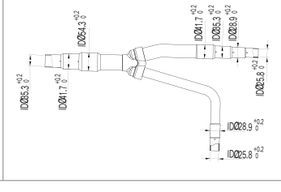
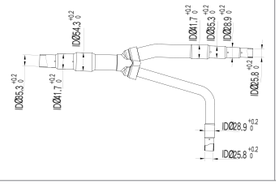
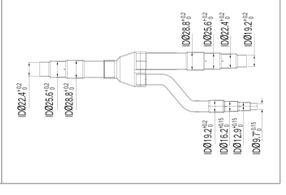
Model	Appearance	
	Gas Pipe	Liquid Pipe
FQ01B/A		

Branching Joint (For GMV5 Home Hydro box)

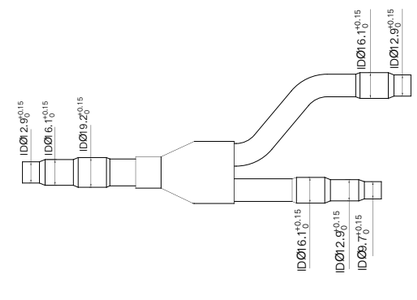
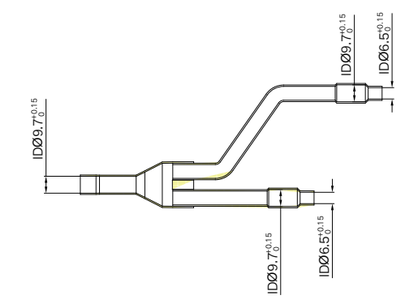
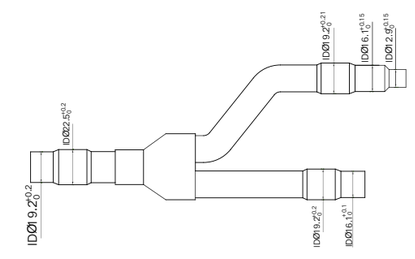
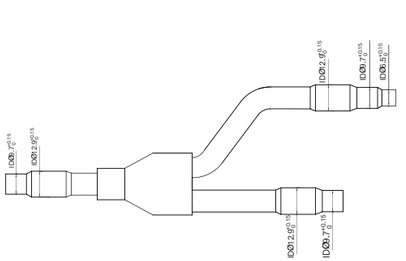
Model	Appearance	
	Gas Pipe	Liquid Pipe
FQ02W/A		

Branching Joint (For GMV5 HR)

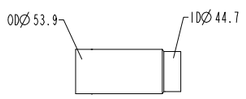
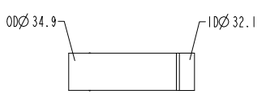
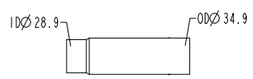
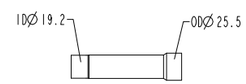
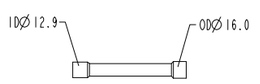
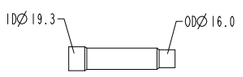
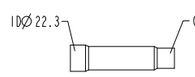
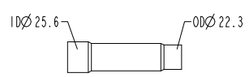
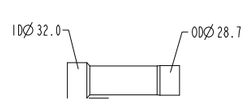
For Outdoor Units and Mode Exchanger

Model	Total capacity of the downstream indoor unit X(kW)	Appearance		
		High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe
FQ01Na/A	X≤5.0			
FQ02Na/A	5.0<X≤22.4			
FQ03Na/A	22.4<X≤28.0			
FQ04Na/A	28.0<X≤68			
FQ05Na/A	68<X≤96			
FQ06Na/A	96<X≤135			
FQ07Na/A	135.0<X			

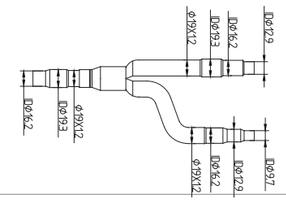
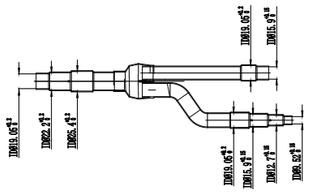
For Indoor & Mode Exchanger

Model	Total capacity of the downstream indoor units X(Kw)	Appearance	
		Gas Pipe	Liquid Pipe
FQ01A/A	X≤14.2		
FQ01B/A	14.2<X≤28.0		

Reducer/Expander Pipe Dimensions

CF333(54/45) 	CF334(41/38) 	CF335(35/32) 	CF342(13/10) 
CF336(35/29) 	CF337(29/25) 	CF338(26/22) 	CF343(13/6) 
CF339(26/19) 	CF340(19/16) 	CF341(16/13) 	CF344(10/6) 
CF345(13/16) 	CF346(16/19) 	CF347(19/22) 	CF348(23/25) 
CГ349(29/32) 			

Branching Joint (For AHU KIT)

Model	Appearance Liquid Pipe
FQ01U/A	
FQ02U/A	

ERV+DX Coil

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



ERV+DX Coil



XE70-33/H

Memory function

℃/℉ switch

Child lock

Easier maintainability

Weekly timer

Centralized control

- 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.
- 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).
- 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 coils, they have cooling and heating functions like common air conditioners.
- Multiple operation modes: Total heat exchange mode: The fresh air side and air discharge side can have heat exchange for efficient energy recovery. By-pass mode: Ventilation without heat exchange. Air discharge mode: Only air discharge side is turned on for ventilation.

Specifications

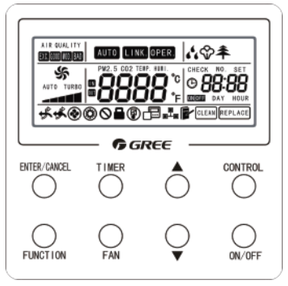
Model				GMV-VDR5PH/SA-S	GMV-VDR8PH/SA-S	GMV-VDR10PH/SA-S
Rated voltage			V	220-240		
Rated frequency			Hz	50/60		
Cooling capacity			kW	8.5	12	14.5
Heating capacity			kW	4	10.6	12
Power input			kW	0.27	0.44	0.64
Current input			A	1.65	2.73	3.86
Indoor unit	Airflow volume		CFM	294	471	589
			m^3/h	500	800	1000
	ESP	Rated	Pa	150	150	150
	Thermal exchange efficiency		%	73	74	73
	Sound power level		dB(A)	55	59	62
	Dimension (W × D × H)	Outline	mm	1700 × 880 × 340	1800 × 1185 × 390	1800 × 1185 × 390
		Package	mm	1988 × 1138 × 535	2110 × 1440 × 567	2110 × 1440 × 567
	Net weight/Gross weight		kg	120/175	158/225	158/225
Loading quantity	20' GP/40' GP/40' HQ		unit	20/44/44	16/32/32	16/32/32

ERV

ERV can fully recover indoor heat to save energy. It is a kind of ventilation device that can filter and purify outdoor air, which is widely used in residential and commercial buildings.



ERV



XK112

Quality motor

Slave and master wired controller

Multi fan speed

- Selling point: energy recovery, high-efficiency purification;
- Multiple operating modes (energy recovery, by-pass, air discharge), the unit can automatically switch the operating mode according to the outdoor air conditions;
- With brushless DC motor, separate control of fresh/discharge air motors, settable positive and negative modes;
- It can be manually controlled, linkage control with Gree multi VRF unit, work with air box to achieve automatic control;
- Constant air volume control: under the certain outer static pressure range, the air volume will not attenuate;
- One controller controls multiple units and multiple controllers control one unit can realize;
- 220/240mm thin unit body; lower maintenance mode, buckle type maintenance panel, hinge design, safe and easy for maintenance;
- Super thin wired controller: it can work with air box to display indoor air quality level, CO2/PM2.5, temperature and humidity;
  filter wash/replace remind function; 24-hour timer function.

Model			FHBQGL-D1.5DA-T	FHBQGL-D2.5DA-T	FHBQGL-D3.5DA-T	FHBQGL-D5DA-T
Air flow volume	H	m^3/h	150	250	350	500
ESP	H	Pa	100	100	100	100
Temperature exchange efficiency	H	%	80	75	76	73
Power supply		V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz			
Power input		kW	0.05	0.105	0.155	0.25
Sound power level		dB	43	50	55	57
Dimension(W × D × H)	Outline	mm	1160 × 700 × 220	1160 × 700 × 220	1200 × 785 × 240	1385 × 785 × 240
	Package	mm	1468 × 873 × 285	1468 × 873 × 285	1528 × 973 × 305	1711 × 973 × 305
Net weight		kg	50	50	60	71.5
Gross weight		kg	58.5	58.5	70.5	82.5
Loading quantity	40' GP	unit	172	172	121	117
	40' HQ	unit	195	195	140	131

Note

Note

Note

Award and Certification

















ISO 9001 Quality System Certificate

ISO 14001 Environment Management System Certificate

ISO 18001 Occupation Healthy Safety System Certificate

Canadian CSA Certificate

German TÜV Certificate

3C Certificate

European Communities CE Certificate

American UL Certificate

Russian Safety Certificate

EQM

SASO Certificate

Mexico NOM Safety Certificate

German GS Certificate

European EMC Certificate

Argentina Safe Certificate

China EMC Certificate

Hongkong Energy-saving Certificate

Hongkong Safety Certificate

Australian SAA Safe Certificate

Australia SAA Certificate

CQC Certificate

America ETL Certificate

Canadian ETL Certificate

Thailand TIS Certificate