



**GREE ELECTRIC APPLIANCES INC OF ZHUHAI**

Add: West Jinji Rd, Qianshan, Zhuhai 519070, Guangdong, China

Tel: (+86-756) 8522218 Fax: (+86-756) 8669426

Email: [gree@gree.com.cn](mailto:gree@gree.com.cn)

<http://www.gree.com>

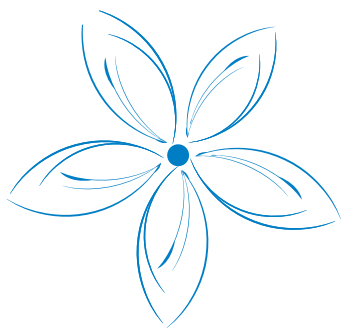
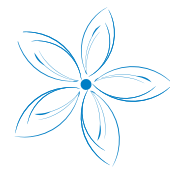
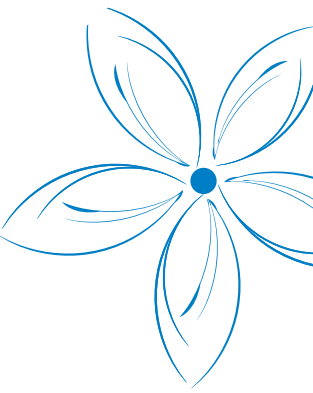
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VRF plus Water Heater Solution

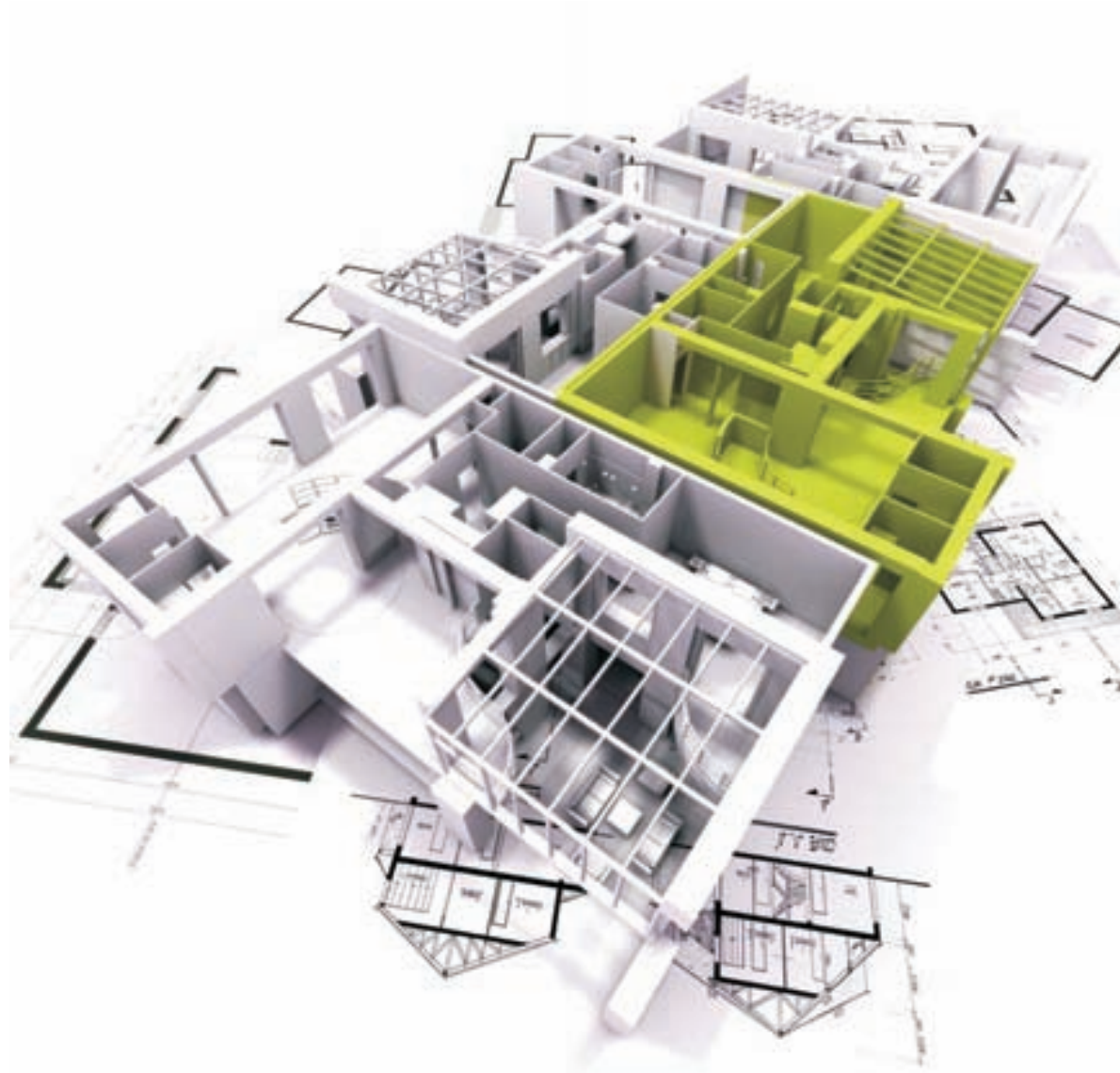
**HOME-GMV**



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## HOME-GMV

### The Final Solution

of Air Conditioner and Hot Water for Your Home

- ◆ DC inverter technology
- ◆ VRF Flexible Air-conditioning
- ◆ High Efficient and Even Free of Charge
- ◆ Hot Water Supply

All functions are integrated in only one  
**GREE HOME-GMV**



# DC Inverter Multi Air Conditioner + Air Source Heat Pump Water Heater = HOME-GMV

Indoor:  
Indoor units of various designs  
are available to suit your indoor  
furnishings.



Hydro-Box:  
The hydro-box transfers the  
absorbed heat from the outdoor  
unit to the hot water system. It  
can be located anywhere in the  
house and connected to the  
outdoor unit via refrigeration pipe  
work.



Outdoor Unit:  
DC Inverter VRF HOME-GMV  
unit has cooling, heating and  
hot water supply, which can  
always provide hot water in  
24hs a day.



Water Tank:  
The stainless steel insulated water  
tank produces domestic hot water  
for sanitary use.  
Three series of water tank meet any  
household requirements.



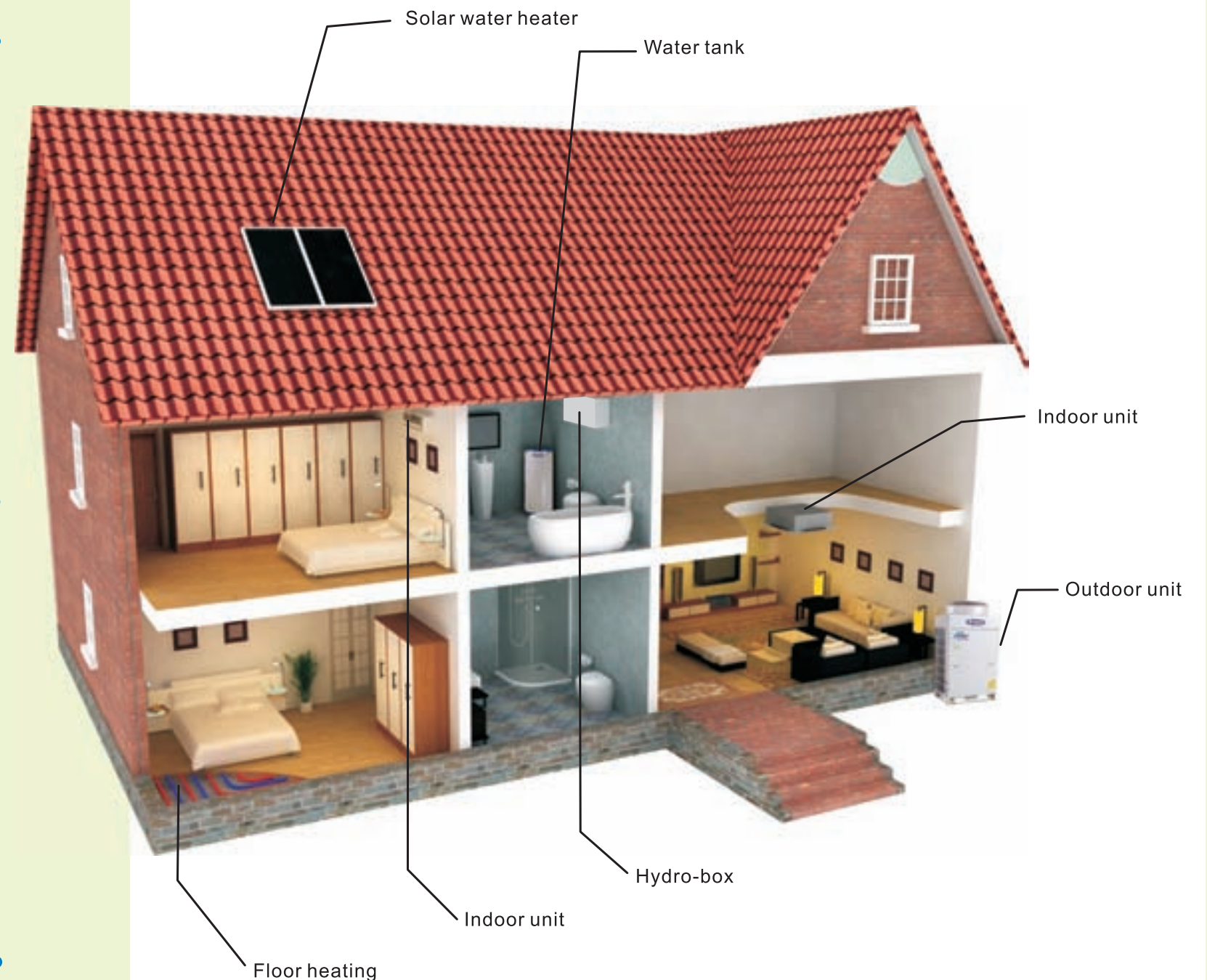
Floor heating\*:  
Warming up the room by floor  
heating makes you feel spring in  
winter.



\* Outdoor Units with capacity of 22.4KW and  
above can connect with floor heating and  
solar energy heating devices.



Solar water heater\*:  
Meet the requirements for  
sanitary hot water through solar  
energy.





## Excellent Energy Efficiency

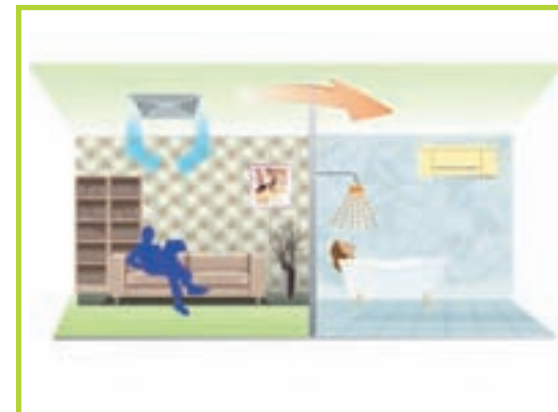
Air Source Heat Pump Technology + Heat Recovery + DC Inverter Technology = Higher Energy Performance

### 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 start with: HOME-GMV requires only 1kW of electricity to pump over 4kW 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 HOME-GMV 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.



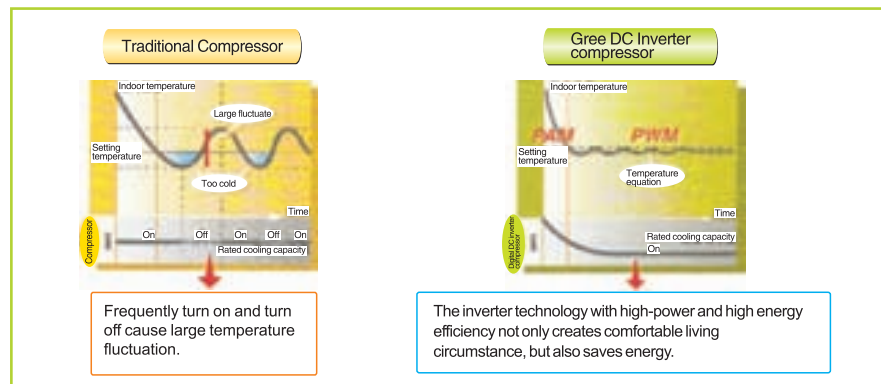
| Model     | Capacity Range(kW) | Appearance |
|-----------|--------------------|------------|
| RQD5GA-K  | 5                  |            |
| RQD8GA-K  | 8                  |            |
| RQ30LA-K  | 30                 |            |
| RQ20LA-K  | 20                 |            |
| RQD30LA-M | 30+5*              |            |
| RQD20LA-M | 20+5*              |            |

\*5kW of auxiliary electrical heater

# Efficient – Savor Double-Way Energy Saving

## DC Inverter Technology

Compared with traditional fixed speed compressor, GREE DC inverter compressor has the advantages of high performance and high energy efficiency.

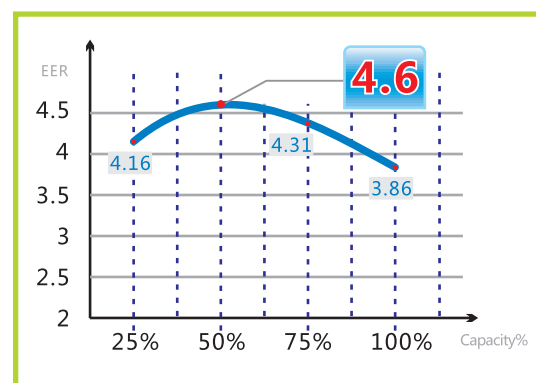
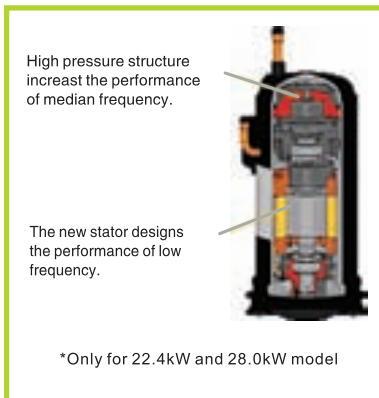


By DC Inverter technology, the compressor regulates output according to the cooling load for better energy performance.

DC Inverter compressor ensures optimal output and high system performance.

With stepless power regulation technology, the DC Inverter compressor achieves digital stepless output regulation between 30Hz-90Hz.

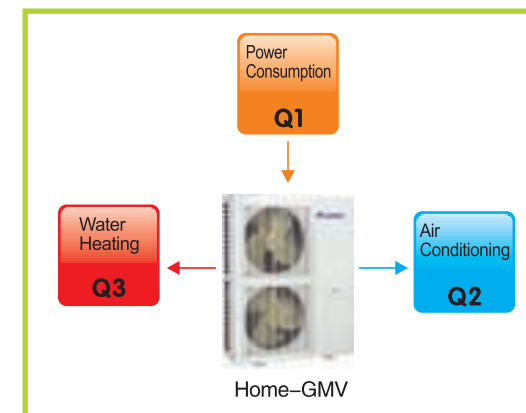
The features of 180 degree current output, small startup current, small torque pulse and free speed regulation between 900-6600rpm enable the system to meet the temperature requirements of various circumstances, save power consumption and ensure comfortable use.



Best EER under partial load up to 4.4, higher performance under partial loading operation, fits the living habits of the user, saving energy in maximum manner.

## The highest energy performance

The best in the industry, costs the user 370USD less than conventional water-heating system (as per 200L hot water per day).



Define "ECOP" as the maximum energy efficiency rate when the system under heat-recovery mode (cooling + water heating) as below:

$$ECOP = (Q2 + Q3) / Q1$$

Testing Data from China National Authority Laboratory.

With 1kW Power Consumption:

2.8kW of Cooling Output is generated and 3.8kW of Heat is recovered, that

$$ECOP = (2.8kW + 3.8kW) / 1kW = 6.6$$

| Model            | Cooling Capacity(kW) | Heating Capacity(kW) | Min Water Yield(L/h) | Max Water Yield(L/h) | Appearance |
|------------------|----------------------|----------------------|----------------------|----------------------|------------|
| GMV-Pds100W/Na-K | 10.0                 | 11.0                 | 107                  | 107                  |            |
| GMV-Pds120W/Na-K | 12.0                 | 13.2                 | 107                  | 107                  |            |
| GMV-Pds140W/Na-K | 14.0                 | 15.4                 | 172                  | 172                  |            |
| GMV-Pds160W/Na-K | 16.0                 | 17.6                 | 172                  | 172                  |            |
| GMV-Pds224W/Na-M | 22.4                 | 25.0                 | 258                  | 500                  |            |
| GMV-Pds280W/Na-M | 28.0                 | 31.5                 | 258                  | 650                  |            |

Conversion Formual: 1kM=3412Btu/h





## Multifunctional – Satisfy All Demand

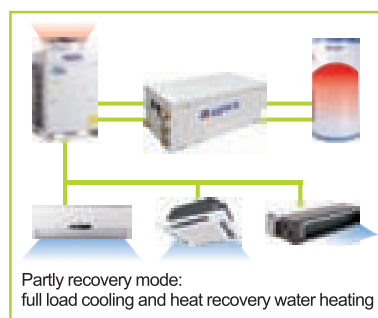
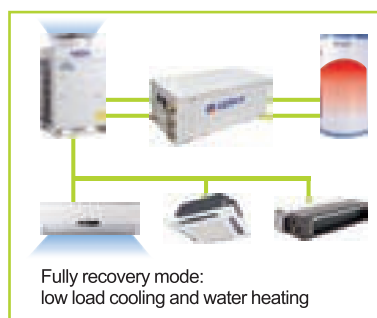
### Five Basic Mode

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

**a**

#### 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.


**b**

#### 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.


**c**

Cooling Only


**d**

Heating Only


**e**

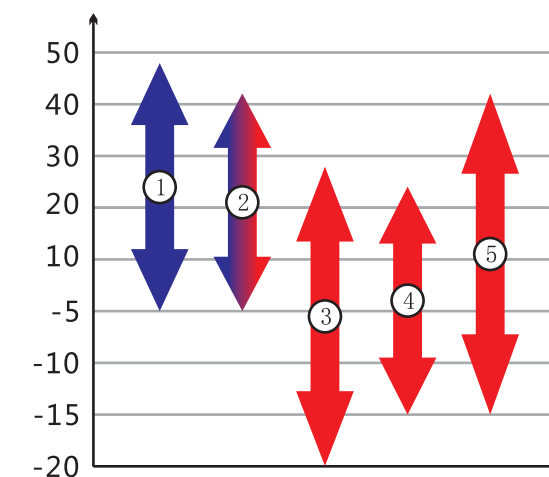
Water Heating Only



### Wider Range of Ambient Temperature

With advanced DC inverter technology, HOME-GMV performs heat-recovery operation (cooling + water heating) even at 43°C in summer while -15°C in winter to provide heating and sanitary hot water.

- ① Cooling Air Conditioning Only:  
-5°CDB~48°CDB
- ② Cooling Air Conditioning + Water Heating:  
-5°CDB~43°CDB
- ③ Heating Air Conditioning Only:  
-20°CDB~27°CDB
- ④ Heating Air Conditioning + Water Heating:  
-15°CDB~24°CDB
- ⑤ Water Heating Only :  
-15°CDB~43°CDB



#### Additional Function

Outdoor Units with Capacity of 22.4KW and above enable additional functions as below :

- Water Heating Only (with Solar Heating)
- Heating Air Conditioning +Ground Heating
- Solar Energy Ground Heating



## Advanced Water Tank Design

### Smart dual-temperature detection control technology

Control unit on and off by upper and low temperature sensors to renew water temperature in real time:

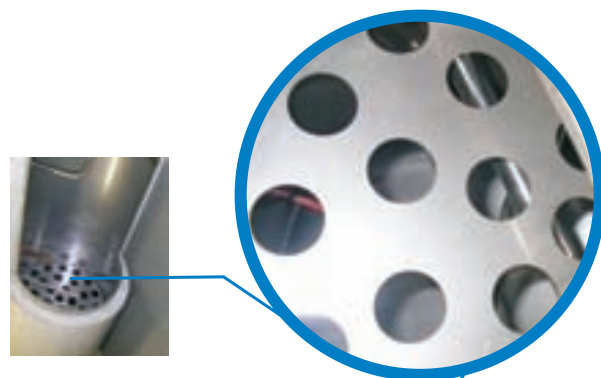
- Improved hot water yielding rate by accurate timing of hot/cold water mixture.
- Improved hot water use rate and shorten waiting time of reheating.

Bottom injection of water and water inlet pipe with equispaced injection holes reduce water hammer and enhance service life of tank.

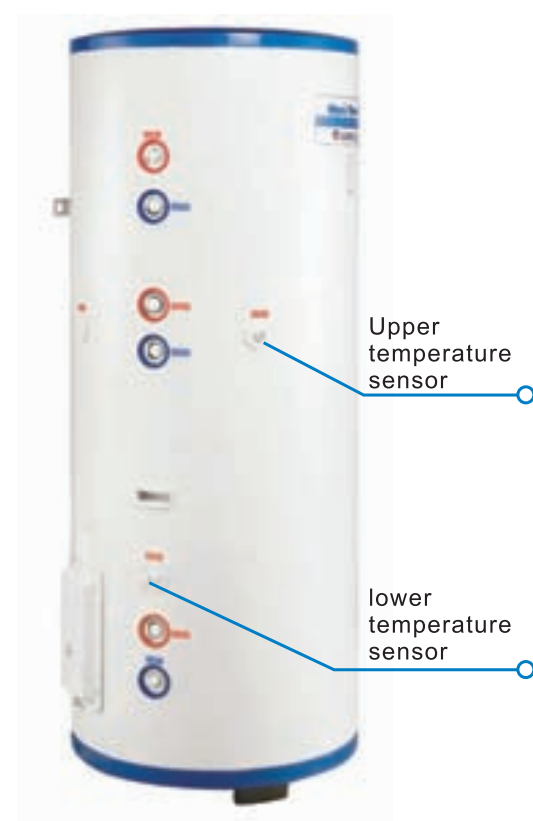


Cold water injection pipe with decentralized injection-down holes

Slowing-up clapboard solves the problem of low use rate of hot water resulted from mixture of cold water and hot water in circulating water pump.



Slowing-up clapboard and multiple holes for water filling



Upper temperature sensor

lower temperature sensor

| Model      | 200                               | 250         | 300   | 350   | 400  |
|------------|-----------------------------------|-------------|---|---|--|
| Tankage(L) | SXVD200LCJ/A-K<br>SXVD200LCJ2/A-K | SXVD250LC-K | SCD300LC-K<br>SXVD300LCJ/A-K<br>SXVD200LCJ2/A-K | SCD350LC-K<br>SXVD350LCJ/A-K<br>SXVD350LCJ2/A-K | SXD400LCJ/A-K<br>SXVD400LCJ/A-K<br>SXVD400LCJ2/A-K |

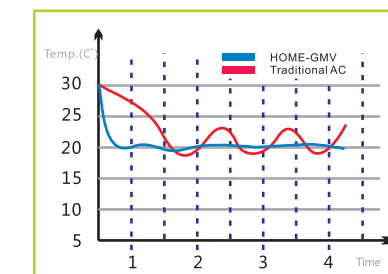
## Comfortable – Enjoy a Wonderful Life

### Suitable Water Temperature

Hot water with free temperature setting between 35-58 degrees Celsius meets the user needs for various purposes.



High quality electronic expansion valve guarantees precise automatic temperature regulation and constant water temperature.



Temperature Oscillogram



Electronic expansion

Quick water heating in large volume ensures hot water supply to different locations.



### Lower Noise

- High efficiency DC Inverter Fan Motor, better performance under lower speed, maximum 8Db(A) lower comparing with normal fan motors.
- DC Closed-loop Controlling Technology applied on the fan motor, driving the fan motor with more efficiency and ultra low noise.

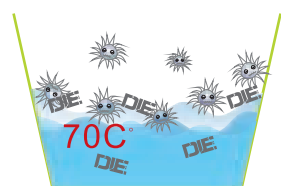






## Sanitary & Safe – Cares Your Concerns

Complied with European Standard, the sterilization function at high temperature up to 70°C to prevent the growth of bacteria ensures sanitary water, conduct to sand a healthier life.



In-unit high and low voltage protection, compressor over current and over load protection as well as startup delay rule out any possibility of creepage, dry heating, ultra-high temperature, etc.



The fact that no fuel duct or tank is used removes the risk of pipe leakage, fire hazard or explosion danger.



Special design of completely separated water electricity and leakage protection, any electrical leakage is absolutely avoided.

Before long winter without using the unit, water can be drained by turns on the draw off valve to drain the water to avoid the frost crack of the sleeving inside the unit.

## Intelligent—User-Friendly Control

### Hot water provided for all day

Powerful automatic control enables the system to run unattended in a variety of working conditions, e.g., day or night, indoor or outdoor, sunny or cloudy, windy or raining, supplying hot living water 24 hours a day without interruption.



Store Water In Night



Use Water In Day

### Memory function ( optional )

Running mode memory enables the air-conditioner to restore to its previous running mode when it recovers from a power failure. The user, however, may turn on/off this memory function.





## Eco-friendly – Create a Green World

New eco-friendly refrigerant R410A is harmless to the atmosphere. It reflects your awareness of social responsibility to the environment.



Free hot water is produced during cooling operation and energy is absorbed from the air in winter, avoiding the emission of harmful gas which gas or fuel burning water heater will definitely generate.



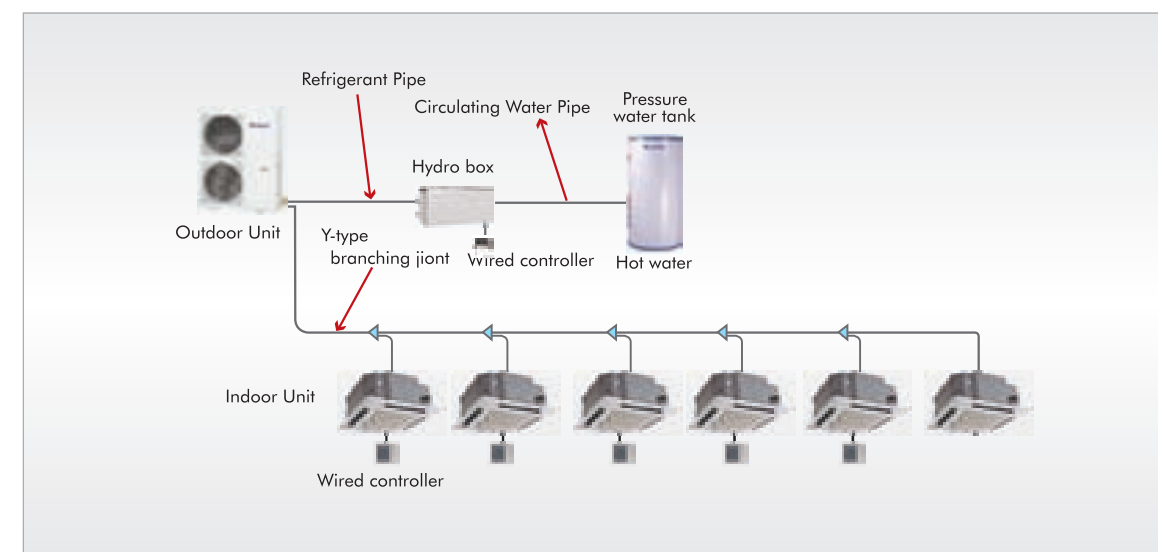
Heat recovery technology helps recover the exhaust-heat from the air, slowing down the urban heat island effect.



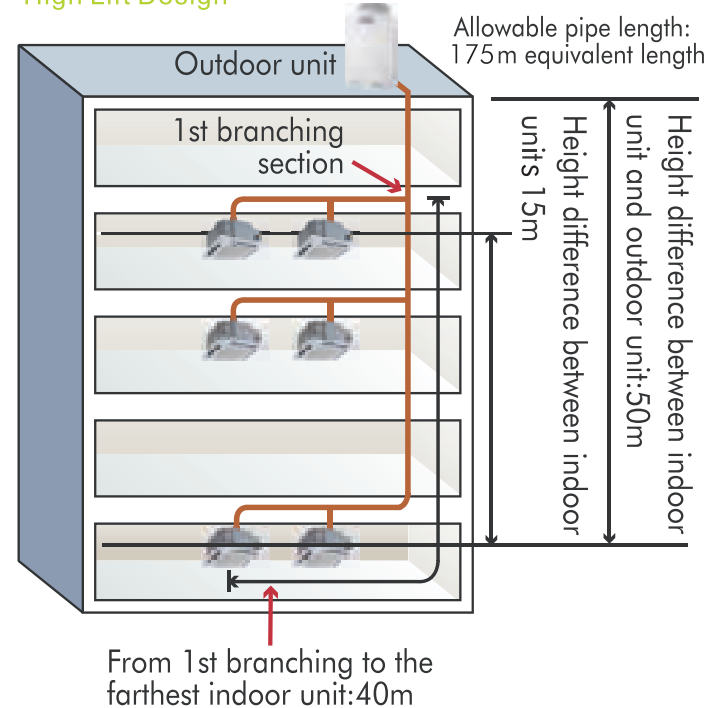
## Convenient – Facilitates Installation Work

### Shortest Route Design by Free Branching

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



### High Lift Design



Pressurised water tank is adopted in the system and tap water pressure is exploited to drive hot water when supplying hot water, saving such parts as circulating water pump, flow switch and water level gauge.





Indoor Unit Line-up

| Item        |                              | Wireless Remote Controller<br>Y512A   | Wireless Remote Controller<br>YB1FA   | Wired Remoted Controller<br>Z63351F   | Wired Remoted Controller<br>(Touch Button) XK02                                     | Hot water controller<br>Z6P301A   | Group Controller<br>ZJA011  | Smart Zone Controller<br>CE50-24/E  | Centralized Controller<br>CE51-24E(M)   | PC Monitoring Suit<br>Eudemon 2009  |
|-------------|------------------------------|---|---|---|---|---|---|---|---|---|
|             |                              |  |  |  |  |  |  |  |  |  |
| Connections | Max Nos. of Outdoor Units    | –   | –   | –   | –   | –   | –   | –   | 64  | n×255   |
|             | Max Nos. of Wired Controller | 1   | 1   | 1   | 1   | 1   | 16  | 16  | 1024  | n×255×16  |
|             | Max Nos.of Indoor Units      | 1   | 1   | 1   | 1   | 1   | 16  | 16  | 1024  | n×255×16  |
| Control     | ON/OFF                       | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   |
|             | Mode Setting                 | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   |
|             | Fan Speed                    | ●   | ●   | ●   | ●   |   | ●   | ●   | ●   | ●   |
|             | Vertical Swing               | ●   | ●   | ●   | ●   |   | ●   |   | ●   | ●   |
|             | Energy Save Mode             | ●   | ●   | ●   | ●   |   |   |   |   | ●   |
|             | Drying                       |   | ●   |   | ●   |   |   |   |   |   |
|             | Turbo Mode                   |   | ●   |   | ●   |   |   |   |   |   |
|             | Sleep Mode                   | ●   | ●   | ●   | ●   |   |   |   |   | ●   |
|             | Light                        | ●   | ●   |   |   |   |   |   |   | ●   |
| Display     | Errors                       |   |   | ●   | ●   | ●   | ●   | ●   |   |   |
|             | Clock                        |   | ●   |   |   | ●   |   | ●   | ●   | ●   |
|             | Week                         |   |   |   |   |   |   | ●   | ●   | ●   |
|             | Room Temp                    |   |   | ●   | ●   |   | ●   | ●   | ●   | ●   |
|             | Lock                         |   | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   |
|             | Indoor Unit Address          |   |   | ●   | ●   |   | ●   | ●   | ●   | ●   |
| Timer       | ON/OFF Timer                 | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   |
|             | Minimum Timer Gap            | 0.5hr   | 1min  | 0.5hr   | 0.5hr   | 1min  | 0.5hr   | 0.5hr   | 1min  | 1sec  |
|             | Weekly Timer                 |   |   |   |   |   |   | ●   | ●   | ●   |
|             | Centralized Week Timer       |   |   |   |   |   |   | ●   | ●   |   |
|             | Group Week Timer             |   |   |   |   |   |   |   | ●   |   |
| Shielding   | Shielding                    |   |   | ●   | ●   | ●   | ●   | ●   | ●   | ●   |
|             | Centralized Shielding        |   |   |   |   |   | ●   | ●   | ●   |   |
|             | Group Shielding              |   |   |   |   |   |   |   | ●   |   |
| Centralized | Centralized Control          |   |   |   |   |   | ●   | ●   | ●   | ●   |
|             | Group Control                |   |   |   |   |   |   |   | ●   |   |

Note:

- n:Nos. of serival port
- Control functions availability is based on the indoor units.Please refer to the user manual of indoor unit for detail.

Produce Specifications



10.0kW-16.0kW



22.4kW,28.0kW



5kW-30kW



200L~400L

Outdoor Unit



| Capacity                     | Model           |         | GMV-Pds100W/Na-K                                  | GMV-Pds120W/Na-K | GMV-Pds140W/Na-K | GMV-Pds160W/Na-K |
|------------------------------|-----------------|---------|---|------------------|------------------|------------------|
|                              | Cooling/Heating | kW      | 10.0/11.0   | 12.0/13.2        | 14.0/15.4        | 16.0/17.6        |
|                              | HP              |         | 3.5   | 4.0              | 5.0              | 6.0              |
| ECOP*                        |                 | W/W     | 6.0   | 6.0              | 6.6              |                  |
| Rated water heating capacity |                 | kW      | 5.0   | 5.0              | 8.0              |                  |
| Water temperature            |                 | ℃       | 50(Default), 35 ~58(Adjustable temperature range) |                  |                  |                  |
| Noise                        |                 | dB(A)   | 56  | 56               | 58               | 60               |
| R410A charged volume         |                 | kg      | 5.0   | 5.0              | 7.0              |                  |
| Power supply                 |                 | V-Ph-Hz | 220-240V-1Ph-50Hz                                 |                  |                  |                  |
| Rate power input             | Cooling/Heating | kW      | 4.5/3.8   | 5.0/4.2          | 5.5/4.9          | 5.9/5.3          |
|                              | Water heating   | kW      | 2.0   | 2.0              | 2.86             |                  |
| Outline dimension            | W × D × H       | mm      | 950 × 340 × 1250                                  |                  |                  |                  |
| Package dimension            | W × D × H       | mm      | 1110 × 450 × 1370                                 |                  |                  |                  |
| Outline dimension            | Gas(AC)         | inch    | 3/4   |                  |                  |                  |
| Connecting pipes             | Liquid(AC)      | inch    | 3/8   |                  |                  |                  |
|                              | Gas(Water)      | inch    | 5/8   |                  |                  |                  |
|                              | Liquid(Water)   | inch    | 1/2   |                  |                  |                  |
| N.W./G.W                     |                 | kg      | 105/115   | 105/115          | 115/125          |                  |

\*ECOP is the maximum energy efficiency rate when the system in cooling+water heating mode.



| Model                        |                 |         | GMV-Pds224W/Na-M                                   | GMV-Pds280W/Na-M |
|------------------------------|-----------------|---------|--|------------------|
| Capacity                     | Cooling/Heating | kW      | 22.4/25.0  | 28.0/31.5        |
|                              |                 | HP      | 8.0  | 10.0             |
| ECOP*                        |                 | W/W     | 6.0  | 6.6              |
| Rated water heating capacity |                 | kW      | 20   | 30               |
| Water temperature            |                 | ℃       | 50(Default), 35 ~ 58(Adjustable temperature range) |                  |
| Noise                        |                 | dB(A)   | 58   | 58               |
| R410A charged volume         |                 | kg      | 15.0   | 16.0             |
| Power supply                 |                 | V-Ph-Hz | 380-415V-1Ph-50Hz                                  |                  |
| Rate power input             | Cooling/Heating | kW      | 6.82/6.97  | 7.52/7.70        |
|                              | Water heating   | kW      | 8  | 10.7             |
| Outline dimension            | W x D x H       | mm      | 930 x 770 x 1670                                   |                  |
| Package dimension            | W x D x H       | mm      | 1010 x 850 x 1850                                  |                  |
| Connecting pipes             | Gas(AC)         | inch    | 7/8  |                  |
|                              | Liquid(AC)      | inch    | 3/8  |                  |
|                              | Gas(Water)      | inch    | 3/4  |                  |
|                              | Liquid(Water)   | inch    | 5/8  |                  |
| N.W./G.W                     |                 | kg      | 265/285  |                  |

\*ECOP is the maximum energy efficiency rate when the system in cooling+water heating mode.



| Model            | Hydro-box             | Water-tank   |  |                                    |
|------------------|-----------------------|--|--|------------------------------------|
| GMV-Pds100W/Na-K | RQD5GA-K              | SXD250LC-K   | SXVD200LCJ/A-K                                 | SXVD200LCJ2/A-K                    |
| GMV-Pds120W/Na-K |                       | SXD300LC-K   | SXVD300LCJ/A-K                                 | SXVD300LCJ2/A-K                    |
| GMV-Pds140W/Na-K | RQD8GA-K              | SXD350LC-K   | SXD350LCJ/A-K                                  | SXVD300LCJ2/A-K                    |
| GMV-Pds160W/Na-K |                       | SXD400LC-K   | SXD400LCJ/A-K                                  | SXVD400LCJ2/A-K                    |
| GMV-Pds224W/Na-M | RQ20LA-K<br>RQD20LA-M | SXD250LC-K<br>SXD300LC-K<br>SXVD200LCJ/A-K<br>SXVD300LCJ/A-K | SXD350LC-K<br>SXVD350LCJ/A-K<br>SXVD400LCJ/A-K | SXVD300LCJ2/A-K<br>SXVD400LCJ2/A-K |
| GMV-Pds280W/Na-M | RQ30LA-K<br>RQD30LA-M | SXVD200LCJ2/A-K<br>SXVD300LCJ2/A-K                           | SXVD300LCJ2/A-K<br>SXVD400LCJ2/A-K             |                                    |

|                  | The sum of the capacity of minimum allocate indoor units | The sum of the capacity of maximum allocate indoor units |
|------------------|--|--|
| GMV-Pds100W/Na-K | 80   | 130  |
| GMV-Pds120W/Na-K | 80   | 130  |
| GMV-Pds140W/Na-K | 80   | 160  |
| GMV-Pds160W/Na-K | 80   | 160  |
| GMV-Pds224W/Na-K | 112  | 250  |
| GMV-Pds280W/Na-K | 140  | 280  |

| Nominal Operating Condition |                   |                   |                   |                   |                      |                    |
|-----------------------------|-------------------|-------------------|-------------------|-------------------|----------------------|--------------------|
| Item                        | Outdoor Condition |                   | Indoor Condition  |                   | Water Temperature(℃) |                    |
|                             | DB Temperature(℃) | WB Temperature(℃) | DB Temperature(℃) | WB Temperature(℃) | Start Temperature(℃) | End Temperature(℃) |
| Cooling                     | 35                | 24                | 27                | 19                | —                    | —                  |
| Heating                     | 7                 | 6                 | 20                | 15                | —                    | —                  |
| Hot Water                   | 20                | 15                | —                 | —                 | 15                   | 55                 |



Produce Specifications

Hydro-Box



| Hydro-Box model               |                  |              |         | RQD5GA-K          |  | RQD8GA-K |  |
|-------------------------------|------------------|--------------|---------|-------------------|--|----------|--|
| Outline dimension             |                  | W × D × H    | mm      | 650 × 300 × 250   |  |          |  |
| Package dimension             |                  | W × D × H    | mm      | 725 × 365 × 313   |  |          |  |
| Power supply                  |                  |              | V-Ph-Hz | 220-240V-1Ph-50Hz |  |          |  |
| Rated heat exchanger capacity |                  |              | kW      | 5                 |  | 8        |  |
| Rate power input              |                  |              | kW      | 0.08              |  |          |  |
| Electrical henter             |                  |              | kW      | —                 |  |          |  |
| Connecting pipes              | Refrigerant side | Liquid       | inch    | 1/2               |  |          |  |
|                               |                  | Gas          | inch    | 5/8               |  |          |  |
|                               | Water side       | Water inlet  | inch    | 3/4               |  |          |  |
|                               |                  | Water outlet | inch    | 3/4               |  |          |  |
| Water pump lift               |                  |              | meter   | 6                 |  |          |  |
| N.W./G.W                      |                  |              | kg      | 25/28             |  |          |  |



| Hydro-Box model               |                  |              |         | RQ20LA-K                              |  | RQD20LA-M |  | RQ30LA-K          |  | RQD30LA-M         |  |
|-------------------------------|------------------|--------------|---------|---------------------------------------|--|-----------|--|-------------------|--|-------------------|--|
| Outline dimension             |                  | W × D × H    | mm      | 1050×470×760                          |  |           |  | 1050×470×910      |  |                   |  |
| Package dimension             |                  | W × D × H    | mm      | 1120×500×890                          |  |           |  | 1120×500×1040     |  |                   |  |
| Power supply                  |                  |              | V-Ph-Hz | 220-240V-1Ph-50Hz   380-415V-3Ph-50Hz |  |           |  | 220-240V-1Ph-50Hz |  | 380-415V-3Ph-50Hz |  |
| Rated heat exchanger capacity |                  |              | kW      | 20                                    |  |           |  | 30                |  |                   |  |
| Rate power input              |                  |              | kW      | 0.37                                  |  |           |  |                   |  |                   |  |
| Electrical henter             |                  |              | kW      | —                                     |  | 5         |  | —                 |  | 5                 |  |
| Connecting pipes              | Refrigerant side | Liquid       | inch    | 5/8                                   |  |           |  |                   |  |                   |  |
|                               |                  | Gas          | inch    | 3/4                                   |  |           |  |                   |  |                   |  |
|                               | Water side       | Water inlet  | inch    | 1                                     |  |           |  |                   |  |                   |  |
|                               |                  | Water outlet | inch    | 1                                     |  |           |  |                   |  |                   |  |
| Water pump lift               |                  |              | meter   | 15                                    |  |           |  |                   |  |                   |  |
| N.W./G.W                      |                  |              | kg      | 75/90                                 |  | 110/122   |  | 100/115           |  | 120/135           |  |

Water Tank



| Water tank model            |                  |         | SXD250LC-K        | SXD300LC-K       | SXD350LC-K       | SXD400LC-K       |
|-----------------------------|------------------|---------|-------------------|------------------|------------------|------------------|
| Tank volume                 |                  | L       | 250               | 300              | 350              | 400              |
| Power supply                |                  | V-Ph-Hz | 220-240V-1Ph-50Hz |                  |                  |                  |
| Outline dimension           | W × D × H        | mm      | 540 × 1945        | 620 × 1600       | 620 × 1895       | 620 × 2125       |
| Package dimension           | W × D × H        | mm      | 625 × 630 × 1970  | 705 × 710 × 1645 | 705 × 710 × 1920 | 705 × 710 × 2150 |
| Auxiliary electrical heater | Rate power input | kW      | 1.5               |                  |                  |                  |
| N.W./G.W                    |                  | kg      | 68/77             | 71/81            | 79/90            | 86/98            |
| Waterpipes diameter         | Cool water inlet | inch    | 1/2               |                  |                  |                  |
|                             | Hot water inlet  | inch    | 1/2               |                  |                  |                  |





































































| Water tank model            |                  |         | SXVD200LCJ/A-K    | SXVD300LCJ/A-K   | SXVD350LCJ/A-K   | SXVD400LCJ/A-K |
|-----------------------------|------------------|---------|-------------------|------------------|------------------|----------------|
| Tank volume                 |                  | L       | 200               | 300              | 350              | 400            |
| Power supply                |                  | V-Ph-Hz | 220-240V-1Ph-50Hz |                  |                  |                |
| Outline dimension           | W × D × H        | mm      | 540 × 1595        | 620 × 1620       | 620 × 1895       |                |
| Package dimension           | W × D × H        | mm      | 625 × 630 × 1620  | 705 × 710 × 1645 | 705 × 722 × 1920 |                |
| Auxiliary electrical heater | Rate power input | kW      | 3.0               |                  |                  |                |
| N.W./G.W                    |                  | kg      | 68/77             | 82/92            | 96/122           | 106/134        |
| Waterpipes diameter         | Cool water inlet | inch    | 1/2               |                  |                  |                |
|                             | Hot water inlet  | inch    | 1/2               |                  |                  |                |



| Water tank model            |                  |         | SXVD200LCJ2/A-K   | SXVD300LCJ2/A-K  | SXVD350LCJ2/A-K  | SXVD400LCJ2/A-K  |
|-----------------------------|------------------|---------|-------------------|------------------|------------------|------------------|
| Tank volume                 |                  | L       | 200               | 300              | 350              | 400              |
| Power supply                |                  | V-Ph-Hz | 220-240V-1Ph-50Hz |                  |                  |                  |
| Outline dimension           | W × D × H        | mm      | 540 × 1595        | 620 × 1620       | 620 × 1895       | 620 × 2125       |
| Package dimension           | W × D × H        | mm      | 625 × 630 × 1620  | 705 × 710 × 1645 | 705 × 722 × 1920 | 705 × 722 × 2150 |
| Auxiliary electrical heater | Rate power input | kW      | 3.0               |                  |                  |                  |
| N.W./G.W                    |                  | kg      | 71/80             | 87/97            | 100/126          | 110/139          |
| Waterpipes diameter         | Cool water inlet | inch    | 1/2               |                  |                  |                  |
|                             | Hot water inlet  | inch    | 1/2               |                  |                  |                  |

# Indoor Unit Line-up

Various designs indoor units suit perfectly for different installation requirement.

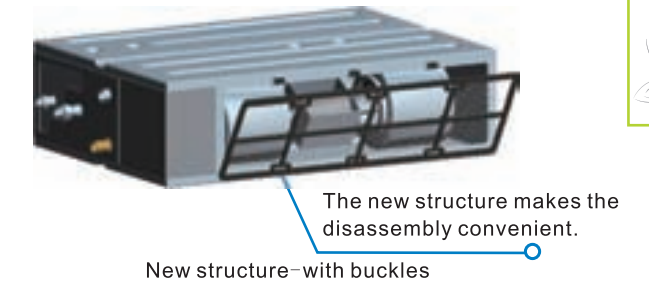
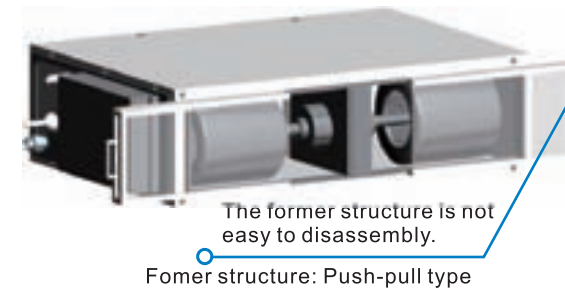
| Capacity Index (kW)   | 2.2   | 2.8   | 3.6  | 4.5   | 5.0   | 5.6   | 6.3   | 7.1   | 8.0   | 9.0   | 10.0  | 11.2  | 12.5  | 14.0  | 22.4  | 28.0  |
|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| High ESP Duct Type<br>(EXV Integrate)                           |    |    |    |    |   |    |   |    |   |    |   |    |   |  |   |   |
|   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Slim Duct Type<br>(EXV Integrate) <b>New</b>                    |    |    |    |    |   |    |   |    |   |   |   |   |   |   |   |   |
| Four-way Cassette Type<br>(EXV Integrate)                       |   |    |    |    |    |    |    |    |    |    |  |    |    |   |   |   |
| Compact Four-way<br>Cassette Type<br>(EXV Separated) <b>New</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| One-way Cassette Type<br>(EXV Separated)                        |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Floor Ceiling Type<br>(EXV Separated)                           |   |  |  |   |  |   |   |  |   |  |   |  |  |   |   |   |
| Floor Ceiling Type<br>(EXV Integrate) <b>New</b>                |   |  |  |   |  |   |   |  |   |  |   |  |  |   |   |   |
| Wall Mounted Type<br>(EXV Separated)                            |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |
|   |   |   |  |   |   |   |   |  |  |   |   |   |   |   |   |   |
| Wall Mounted Type<br>(EXV Integrate) <b>New</b>                 |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |



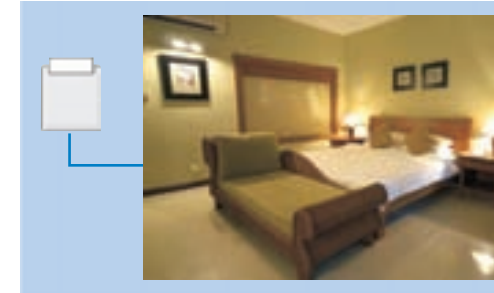
# Duct Type



Long life and washable filter with buckles can be easily disassembled from each direction.

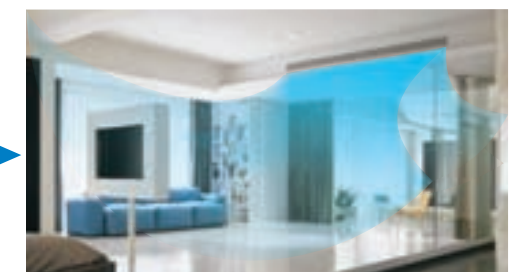
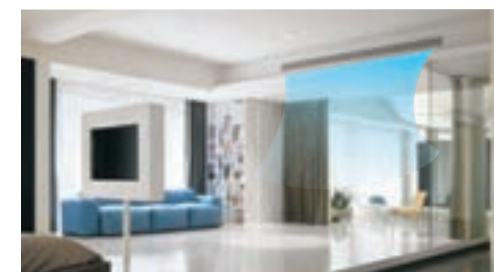


Key card control function is available.

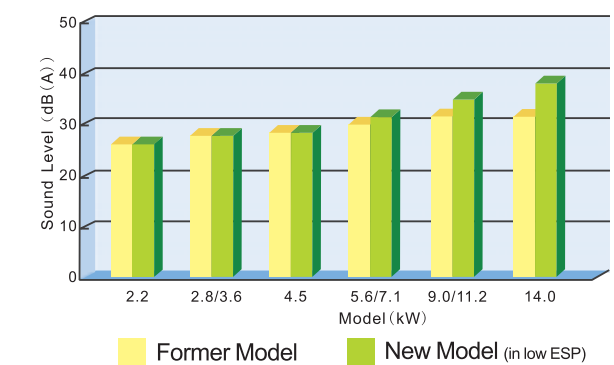
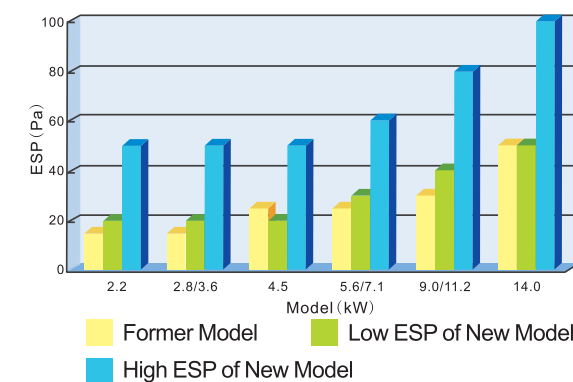


4-step fan motor with high ESP design; The ESP is adjustable and obviously upgraded\*.

\* Low ESP type is factory setting. If connected with high ESP, the motor step output shall be adjusted by DIP switch on the PCB.

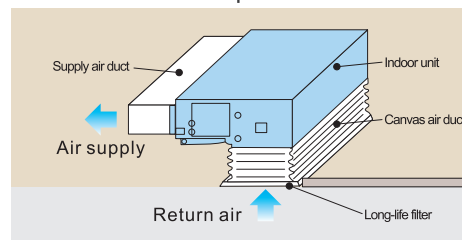


The ESP is obviously upgraded while the noise is almost at the same level as before.

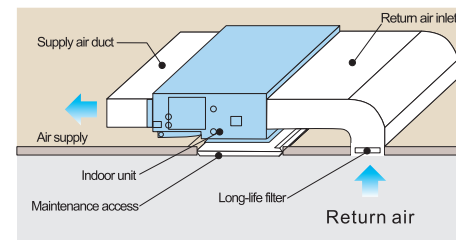


Highly flexible installations

Installation examples

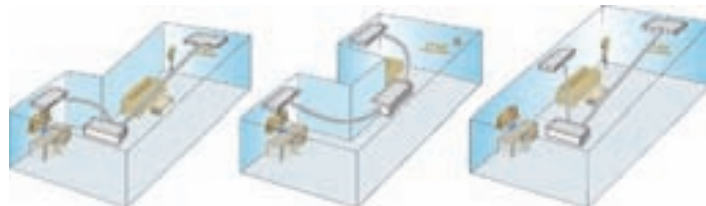


bottom air return

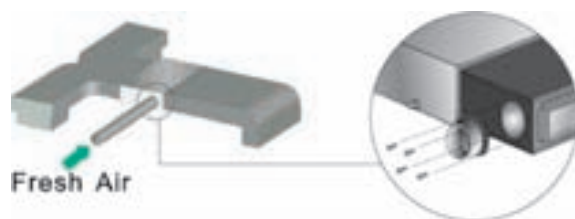


back air return

Flexible and easy to install in type-L, type-U and large rooms

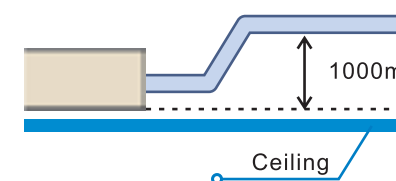


Designed with fresh air baffle for fresh air introduction ( for 5.6kW and above unit ) .



Drain pump lift reaches 1000m\*

\* Only available for GMV(L)-R#PS/NaB-K



Duct Type



With Drain Water Pump

| Model                        | Cooling only |                   | GMVL-R22PS/NaB-K  | GMVL-R28PS/NaB-K | GMVL-R36PS/NaB-K | GMVL-R45PS/NaB-K | GMVL-R56PS/NaB-K |       |
|------------------------------|--------------|-------------------|-------------------|------------------|------------------|------------------|------------------|-------|
|                              | Heat pump    |                   | GMV-R22PS/NaB-K   | GMV-R28PS/NaB-K  | GMV-R36PS/NaB-K  | GMV-R45PS/NaB-K  | GMV-R56PS/NaB-K  |       |
| Capacity                     | Cooling      | kW                | 2.2               | 2.8              | 3.6              | 4.5              | 5.6              |       |
|                              | Heating      | kW                | 2.5               | 3.2              | 4.0              | 5.0              | 6.3              |       |
| Power supply                 |              | V-Ph-Hz           | 220-240V-1Ph-50Hz |                  |                  |                  |                  |       |
| Motor power input            |              | W                 | 75                | 80               |                  | 140              | 240              |       |
| Air flow volume              |              | m <sup>3</sup> /h | 450               | 570              |                  | 700              | 1000             |       |
|                              |              | CFM               | 265               | 335              |                  | 412              | 589              |       |
| Standard Esp                 |              | Pa                | 50/20             |                  |                  |                  |                  | 60/30 |
| Sound pressure level (H/M/L) |              | dB(A)             | 37/35/33          | 39/37/35         |                  | 40/38/36         | 44/42/40         |       |
| Outline dimension            | W×D×H        | mm                | 800×600×250       |                  |                  | 980×721×266      | 1155×736×300     |       |
| Package dimension            | W×D×H        | mm                | 1020×745×305      |                  |                  | 1068×766×320     | 1245×785×360     |       |
| Net Weight                   |              | kg                | 28.5              | 30.5             |                  | 36               | 51               |       |
| Gross weight                 |              | kg                | 33.5              | 35.5             |                  | 39               | 58               |       |
| Connecting pipe diameter     | Gas          | inch              | 3/8               |                  | 1/2              |                  | 5/8              |       |
|                              | Liquid       | inch              |                   |                  | 1/4              |                  | 3/8              |       |

Duct Type



Without Drain Water Pump

| Model                        | Cooling only |                   | GMVL-R22P/NaB-K   | GMVL-R28P/NaB-K | GMVL-R36P/NaB-K | GMVL-R45P/NaB-K | GMVL-R56P/NaB-K |              |              |
|------------------------------|--------------|-------------------|-------------------|-----------------|-----------------|-----------------|-----------------|--------------|--------------|
|                              | Heat pump    |                   | GMV-R22P/NaB-K    | GMV-R28P/NaB-K  | GMV-R36P/NaB-K  | GMV-R45P/NaB-K  | GMV-R56P/NaB-K  |              |              |
| Capacity                     | Cooling      | kW                | 2.2               | 2.8             | 3.6             | 4.5             | 5.6             |              |              |
|                              | Heating      | kW                | 2.5               | 3.2             | 4.0             | 5.0             | 6.3             |              |              |
| Power supply                 |              | V-Ph-Hz           | 220-240V-1Ph-50Hz |                 |                 |                 |                 |              |              |
| Motor power input            |              | W                 | 75                | 80              |                 | 140             | 240             |              |              |
| Air flow volume              |              | m <sup>3</sup> /h | 450               | 570             |                 | 700             | 1000            |              |              |
|                              |              | CFM               | 265               | 335             |                 | 412             | 589             |              |              |
| Standard Esp                 |              | Pa                | 50/20             |                 |                 |                 |                 | 60/30        |              |
| Sound pressure level (H/M/L) |              | dB(A)             | 37/35/33          | 39/37/35        |                 | 40/38/36        | 44/42/40        |              |              |
| Outline dimension            | W×D×H        | mm                | 800×655×250       |                 |                 |                 |                 | 980×721×266  | 1155×736×300 |
| Package dimension            | W×D×H        | mm                | 1020×745×305      |                 |                 |                 |                 | 1068×766×320 | 1245×785×360 |
| Net Weight                   |              | kg                | 27                | 28.5            |                 | 34              | 49              |              |              |
| Gross weight                 |              | kg                | 31                | 33.5            |                 | 37              | 56              |              |              |
| Connecting pipe diameter     | Gas          | inch              | 3/8               |                 | 1/2             |                 | 5/8             |              |              |
|                              | Liquid       | inch              | 1/4               |                 |                 |                 | 3/8             |              |              |

With Drain Water Pump



| Model                        | Cooling only |                   | GMVL-R71PS/NaB-K  | GMVL-R90PS/NaB-K | GMVL-R112PS/NaB-K | GMVL-R140PS/NaB-K |
|------------------------------|--------------|-------------------|-------------------|------------------|-------------------|-------------------|
|                              | Heat pump    |                   | GMV-R71PS/NaB-K   | GMV-R90PS/NaB-K  | GMV-R112PS/NaB-K  | GMV-R140PS/NaB-K  |
| Capacity                     | Cooling      | kW                | 7.1               | 9.0              | 11.2              | 14.0              |
|                              | Heating      | kW                | 8.0               | 10.0             | 12.5              | 15.0              |
| Power supply                 |              | V-Ph-Hz           | 220-240V-1Ph-50Hz |                  |                   |                   |
| Motor power input            |              | W                 | 240               | 360              | 500               |                   |
| Air flow volume              |              | m <sup>3</sup> /h | 1100              | 1700             | 2000              |                   |
|                              |              | CFM               | 647               | 1001             | 1177              |                   |
| Standard Esp                 |              | Pa                | 60/30             | 80/40            | 100/50            |                   |
| Sound pressure level (H/M/L) |              | dB(A)             | 45/43/41          | 48/46/44         | 50/48/46          |                   |
| Outline dimension            | W×D×H        | mm                | 1155×736×300      | 1425×756×300     | 1425×756×300      |                   |
| Package dimension            | W×D×H        | mm                | 1245×785×360      | 1514×785×360     | 1514×785×360      |                   |
| Net Weight                   |              | kg                | 51                | 64               | 65.5              |                   |
| Gross weight                 |              | kg                | 58                | 73               | 75                |                   |
| Connecting pipe diameter     | Gas          | inch              | 5/8               |                  |                   |                   |
|                              | Liquid       | inch              | 3/8               |                  |                   |                   |

Without Drain Water Pump



| Model                        | Cooling only |                   | GMVL-R71P/NaB-K   | GMVL-R90P/NaB-K | GMVL-R112P/NaB-K | GMVL-R140P/NaB-K |                |                |
|------------------------------|--------------|-------------------|-------------------|-----------------|------------------|------------------|----------------|----------------|
|                              | Heat pump    |                   | GMV-R71P/NaB-K    | GMV-R90P/NaB-K  | GMV-R112P/NaB-K  | GMV-R140P/NaB-K  | GMV-R224P/Na-M | GMV-R280P/Na-M |
| Capacity                     | Cooling      | kW                | 7.1               | 9.0             | 11.2             | 14.0             | 22.4           | 28.0           |
|                              | Heating      | kW                | 8.0               | 10.0            | 12.5             | 15.0             | 25.0           | 31.0           |
| Power supply                 |              | V-Ph-Hz           | 220-240V-1Ph-50Hz |                 |                  |                  | 380V-3Ph-50Hz  |                |
| Motor power input            |              | W                 | 240               | 360             | 500              | 1600             | 1600           |                |
| Air flow volume              |              | m <sup>3</sup> /h | 1100              | 1700            | 2000             | 4000             | 4800           |                |
|                              |              | CFM               | 647               | 1001            | 1177             | 2354             | 2825           |                |
| Standard Esp                 |              | Pa                | 60/30             | 80/40           | 100/50           | 200              | 220            |                |
| Sound pressure level (H/M/L) |              | dB(A)             | 45/43/41          | 48/46/44        | 50/48/46         | 56(H)            | 57(H)          |                |
| Outline dimension            | W×D×H        | mm                | 1155×736×300      | 1425×736×300    | 1425×736×300     | 1463×799×389     | 1500×920×450   |                |
| Package dimension            | W×D×H        | mm                | 1245×785×360      | 1514×785×360    | 1514×785×360     | 1540×880×400     | 1745×1025×525  |                |
| Net Weight                   |              | kg                | 49                | 62              | 63.5             | 88               | 125            |                |
| Gross weight                 |              | kg                | 56                | 71              | 73               | 102              | 135            |                |
| Connecting pipe diameter     | Gas          | inch              | 5/8               |                 |                  |                  | 7/8            | 7/8            |
|                              | Liquid       | inch              | 3/8               |                 |                  |                  |                |                |



# Slim Duct Type



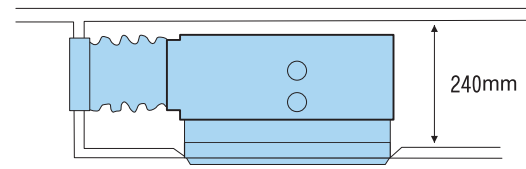
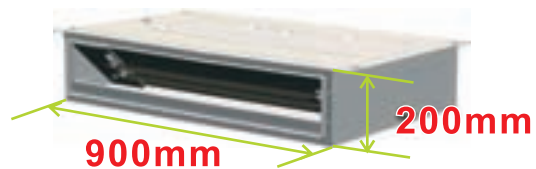
2.2kW, 2.8kW, 3.6kW

Only 700mm in width, 200mm in height and 22kg in weight which is perfect to install in limited spaces like drop-ceiling in hotel.  
The weight is 23kg for the unit of 3.6kW.



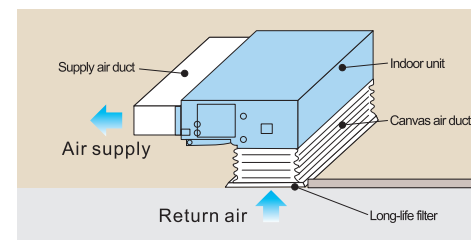
4.5kW, 5.6kW

Only 200mm in height which can be installed in rooms with as little as 240mm depth between the drop-ceiling and ceiling slab.

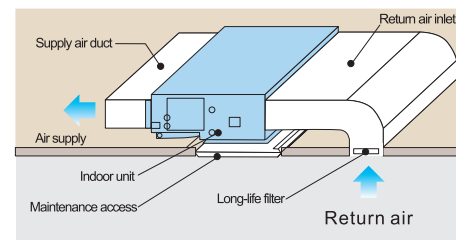


Highly flexible installation is possible to satisfy various needs.

Installation examples



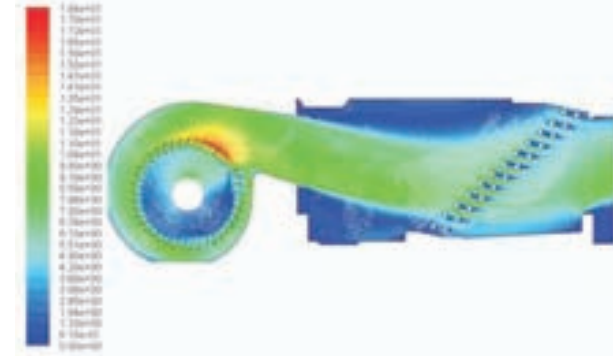
bottom air return



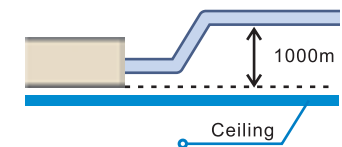
back air return

Plastic propeller housing and fan blade, and intelligent-designed Air-channle which provide enough air flow volume while lower operation noise.

For example, the normal unit of 2.8kW has the noise level up to 40dB(A), but now the new unit of 2.8 kW reduces the noise to only 37dB(A).



Drain pump fitted as standard accessory with 1000mm lift.



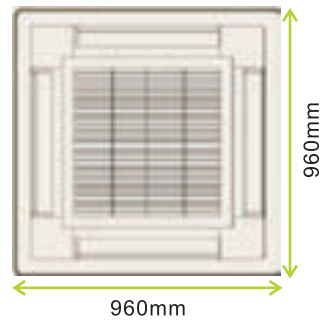
| Model                    | Cooling only      |         | GMVL-R22PS/NaE-K  | GMVL-R28PS/NaE-K | GMVL-R36PS/NaE-K |
|--------------------------|-------------------|---------|-------------------|------------------|------------------|
|                          | Heat pump         |         | GMV-R22PS/NaE-K   | GMV-R28PS/NaE-K  | GMV-R36PS/NaE-K  |
| Capacity                 | Cooling           | kW      | 2.2               | 2.8              | 3.6              |
|                          | Heating           | kW      | 2.5               | 3.2              | 4.0              |
| Power supply             |                   | V-Ph-Hz | 220-240V-1Ph-50Hz |                  |                  |
| Motor power input        |                   | W       | 64                |                  |                  |
| Air flow volume          | m <sup>3</sup> /h |         | 450               |                  |                  |
|                          | CFM               |         | 265               |                  |                  |
| Standard Esp             |                   | Pa      | 20                |                  |                  |
| Sound pressure level     |                   | dB(A)   | 37                |                  |                  |
| Outline dimension        | W×D×H             | mm      | 700×615×200       |                  |                  |
| Package dimension        | W×D×H             | mm      | 890×730×295       |                  |                  |
| Net Weight               |                   | kg      | 21                |                  |                  |
| Gross weight             |                   | kg      | 27                |                  |                  |
| Connecting pipe diameter | Gas               | inch    | 3/8               |                  |                  |
|                          | Liquid            | inch    | 1/4               |                  |                  |

| Model                    | Cooling only      |         | GMVL-R45PS/NaE-K  | GMVL-R56PS/NaE-K | GMVL-R71PS/NaE-K |
|--------------------------|-------------------|---------|-------------------|------------------|------------------|
|                          | Heat pump         |         | GMV-R45PS/NaE-K   | GMV-R56PS/NaE-K  | GMV-R71PS/NaE-K  |
| Capacity                 | Cooling           | kW      | 4.5               | 5.6              | 7.1              |
|                          | Heating           | kW      | 5.0               | 6.3              | 8.0              |
| Power supply             |                   | V-Ph-Hz | 220-240V-1Ph-50Hz |                  |                  |
| Motor power input        |                   | W       | 91                |                  |                  |
| Air flow volume          | m <sup>3</sup> /h |         | 700               |                  |                  |
|                          | CFM               |         | 412               |                  |                  |
| Standard Esp             |                   | Pa      | 20                |                  |                  |
| Sound pressure level     |                   | dB(A)   | 41                |                  |                  |
| Outline dimension        | W×D×H             | mm      | 900×615×200       |                  |                  |
| Package dimension        | W×D×H             | mm      | 1120×735×295      |                  |                  |
| Net Weight               |                   | kg      | 26                |                  |                  |
| Gross weight             |                   | kg      | 33                |                  |                  |
| Connecting pipe diameter | Gas               | inch    | 1/2               |                  |                  |
|                          | Liquid            | inch    | 1/4               |                  |                  |

# Four-way Cassette Type

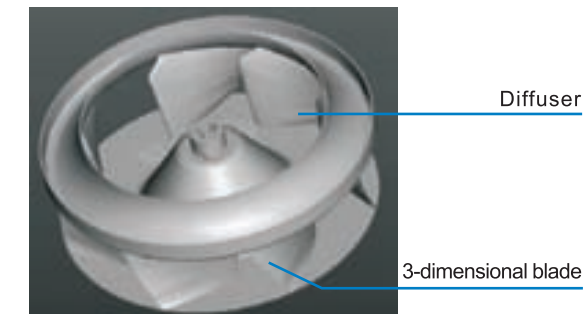


Compact and light weight and square panel in same size for easy installation



Long life and washable filter

Low noise thanks to 3-dimensional blade



Full-automatic operation, 4-way air supply, 3-speed fan speed setting and strong circulating air flow volume let the cooling or hot air directly reach every corner of the room, even when the ceiling is higher than standard height.

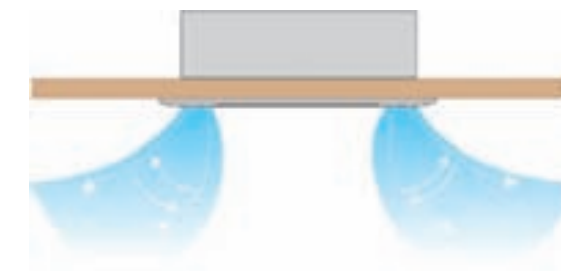


The unit below 7.1 kW is applicable to the height below 3m.



The unit above 8kW is applicable to the height below 4.5m.

Air supply in different directions with 30-60 degree sweep for even temperature distribution



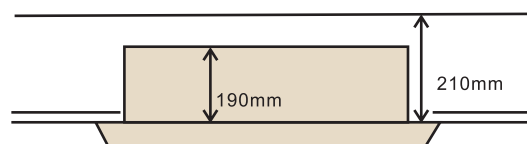
Drain pump fitted as standard with increased lift of 1100mm



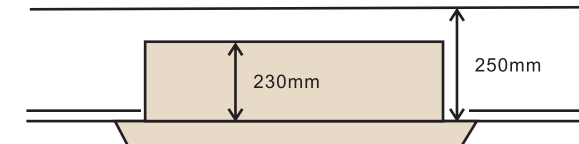
Drain pump fitted as standard with increased lift of 500mm



Slim unit for 5.0kW below is only 190mm in thickness, which can be installed in narrow ceiling space of at least 210mm.



Only 230mm in thickness witch can be installed in ceiling space of at least 250mm.







Cassette Type



| Model                    | Cooling only  |         | GMVL-R28T/Na-K    | GMVL-R36T/Na-K | GMVL-R45T/Na-K | GMVL-R50T/Na-K |
|--------------------------|---------------|---------|-------------------|----------------|----------------|----------------|
|                          | Heat pump     |         | GMV-R28T/Na-K     | GMV-R36T/Na-K  | GMV-R45T/Na-K  | GMV-R50T/Na-K  |
| Capacity                 | Cooling       | kW      | 2.8               | 3.6            | 4.5            | 5.0            |
|                          | Heating       | kW      | 3.2               | 4.0            | 5.0            | 5.8            |
| Power supply             |               | V-Ph-Hz | 220-240V-1ph-50Hz |                |                |                |
| Motor power input        |               | W       | 65                |                |                |                |
| Air flow volume          |               | m³/h    | 680               |                |                |                |
|                          |               | CFM     | 400               |                |                |                |
| Sound pressure level     |               | dB(A)   | 37/34             |                |                |                |
| Main body                | Outline W×D×H | mm      | 840×840×190       |                |                |                |
|                          | Package W×D×H | mm      | 960×960×257       |                |                |                |
|                          | Net weight    | kg      | 25                |                |                |                |
|                          | Gross weight  | kg      | 33                |                |                |                |
| Panel                    | Outline W×D×H | mm      | 950×950×60        |                |                |                |
|                          | Package W×D×H | mm      | 1040×1025×115     |                |                |                |
|                          | Net weight    | kg      | 6.5               |                |                |                |
|                          | Gross weight  | kg      | 10.0              |                |                |                |
| Connecting pipe diameter | Gas           | inch    | 3/8               |                |                |                |
|                          | Liquid        | inch    | 1/4               |                |                |                |



| Model                    | Cooling only  |         | GMVL-R56T/Na-K    | GMVL-R63T/Na-K | GMVL-R71T/Na-K | GMVL-R80T/Na-K |
|--------------------------|---------------|---------|-------------------|----------------|----------------|----------------|
|                          | Heat pump     |         | GMV-R56T/Na-K     | GMV-R63T/Na-K  | GMV-R71T/Na-K  | GMV-R80T/Na-K  |
| Capacity                 | Cooling       | kW      | 5.6               | 6.3            | 7.1            | 8.0            |
|                          | Heating       | kW      | 6.3               | 7.0            | 8.0            | 8.8            |
| Power supply             |               | V-Ph-Hz | 220-240V-1ph-50Hz |                |                |                |
| Motor power input        |               | W       | 83                |                |                |                |
| Air flow volume          |               | m³/h    | 1180              |                |                |                |
|                          |               | CFM     | 695               |                |                |                |
| Sound pressure level     |               | dB(A)   | 39                |                |                |                |
| Main body                | Outline W×D×H | mm      | 840×840×240       |                |                |                |
|                          | Package W×D×H | mm      | 960×960×310       |                |                |                |
|                          | Net weight    | kg      | 30                |                |                |                |
|                          | Gross weight  | kg      | 38                |                |                |                |
| Panel                    | Outline W×D×H | mm      | 950× 950× 60      |                |                |                |
|                          | Package W×D×H | mm      | 1040× 1025× 115   |                |                |                |
|                          | Net weight    | kg      | 6.5               |                |                |                |
|                          | Gross weight  | kg      | 10.0              |                |                |                |
| Connecting pipe diameter | Gas           | inch    | 5/8               |                |                |                |
|                          | Liquid        | inch    | 3/8               |                |                |                |

Cassette Type



| Model                    | Cooling only  |         | GMVL-R90T/Na-K    | GMVL-R100T/Na-K | GMVL-R112T/Na-K | GMVL-R125T/Na-K |
|--------------------------|---------------|---------|-------------------|-----------------|-----------------|-----------------|
|                          | Heat pump     |         | GMV-R90T/Na-K     | GMV-R100T/Na-K  | GMV-R112T/Na-K  | GMV-R125T/Na-K  |
| Capacity                 | Cooling       | kW      | 9.0               | 10.0            | 11.2            | 12.5            |
|                          | Heating       | kW      | 10.0              | 11.0            | 12.5            | 13.5            |
| Power supply             |               | V-Ph-Hz | 220-240V-1ph-50Hz |                 |                 |                 |
| Motor power input        |               | W       | 133               |                 |                 |                 |
| Air flow volume          |               | m³/h    | 1860              |                 |                 |                 |
|                          |               | CFM     | 1095              |                 |                 |                 |
| Sound pressure level     |               | dB(A)   | 40/36             |                 |                 |                 |
| Main body                | Outline W×D×H | mm      | 840×840×320       |                 |                 |                 |
|                          | Package W×D×H | mm      | 960×960×394       |                 |                 |                 |
|                          | Net weight    | kg      | 38                |                 |                 |                 |
|                          | Gross weight  | kg      | 46                |                 |                 |                 |
| Panel                    | Outline W×D×H | mm      | 950×950×60        |                 |                 |                 |
|                          | Package W×D×H | mm      | 1040×1025×115     |                 |                 |                 |
|                          | Net weight    | kg      | 6.5               |                 |                 |                 |
|                          | Gross weight  | kg      | 10                |                 |                 |                 |
| Connecting pipe diameter | Gas           | inch    | 5/8               |                 |                 |                 |
|                          | Liquid        | inch    | 3/8               |                 |                 |                 |



| Model                    | Heat pump     |         | GMV-R22T/NaA-K    | GMV-R28T/NaA-K | GMV-R36T/NaA-K | GMV-R45T/NaA-K |
|--------------------------|---------------|---------|-------------------|----------------|----------------|----------------|
|                          | Cooling       | kW      | 2.2               | 2.8            | 3.6            | 4.5            |
| Capacity                 | Heating       | kW      | 2.5               | 3.2            | 4.0            | 5.0            |
| Power supply             |               | V-Ph-Hz | 220-240V-1ph-50Hz |                |                |                |
| Motor power input        |               | W       | 12                |                |                |                |
| Air flow volume          |               | m³/h    | 600               |                |                |                |
|                          |               | CFM     | 353               |                |                |                |
| Sound pressure level     |               | dB(A)   | 47/41             |                |                |                |
| Main body                | Outline W×D×H | mm      | 570×570×230       |                |                |                |
|                          | Package W×D×H | mm      | 828×748×310       |                |                |                |
|                          | Net weight    | kg      | 20                |                |                |                |
|                          | Gross weight  | kg      | 27                |                |                |                |
| Panel                    | Outline W×D×H | mm      | 650×650×50        |                |                |                |
|                          | Package W×D×H | mm      | 730×670×102       |                |                |                |
|                          | Net weight    | kg      | 5                 |                |                |                |
|                          | Gross weight  | kg      | 10                |                |                |                |
| Connecting pipe diameter | Gas           | inch    | 3/8               | 3/8            | 1/2            | 1/2            |
|                          | Liquid        | inch    | 1/4               |                |                |                |

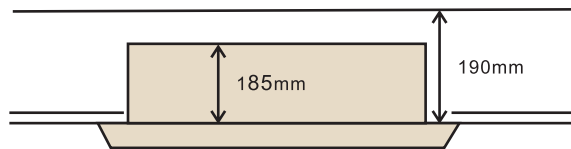




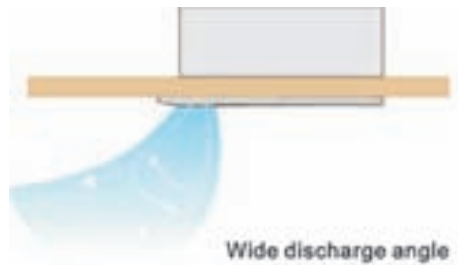
# One-way Cassette



Slim unit is only 185mm in thickness, this model can be installed in narrow ceiling space of at least 190mm.



Equal and gentle air supply design and high-class flow control design make the room temperature equal and balanced, so that the people feel more comfortable.



Drain pump fitted as standard with increased lift of 700mm



The unit is applicable to the height below 3.5m.



Detachable and washable grill

Long life and washable filter



Low-noise cross flow fan reduces vortex flow in duct, thus reducing the noise.



| Model                    | Cooling only  |                   | GMVL-R22Td/Na-K   | GMVL-R28Td/ Na -K | GMVL-R36Td/ Na -K |
|--------------------------|---------------|-------------------|-------------------|-------------------|-------------------|
|                          | Heat pump     |                   | GMV-R22Td/ Na -K  | GMV-R28Td/ Na -K  | GMV-R36Td/ Na -K  |
| Capacity                 | Cooling       | kW                | 2.2               | 2.8               | 3.6               |
|                          | Heating       | kW                | 2.5               | 3.2               | 4.0               |
| Power supply             |               | V-Ph-Hz           | 220-240V-1Ph-50Hz |                   |                   |
| Motor power input        |               | W                 | 42                |                   |                   |
| Air flow volume          |               | m <sup>3</sup> /h | 450               | 500               |                   |
|                          |               | CFM               | 265               | 294               |                   |
| Sound pressure level     |               | dB(A)             | 45                |                   |                   |
| Main body                | Outline WxDxH | mm                | 920×360×185       |                   |                   |
|                          | Package WxDxH | mm                | 1290×465×270      |                   |                   |
|                          | Net weight    | kg                | 16                |                   |                   |
|                          | Gross weight  | kg                | 25                |                   |                   |
| Panel                    | Outline WxDxH | mm                | 1180×430×30       |                   |                   |
|                          | Package WxDxH | mm                | 1260×505×110      |                   |                   |
|                          | Net weight    | kg                | 3                 |                   |                   |
|                          | Gross weight  | kg                | 5                 |                   |                   |
| Connecting pipe diameter | Gas           | inch              | 3/8               |                   | 1/2               |
|                          | Liquid        | inch              | 1/4               |                   |                   |







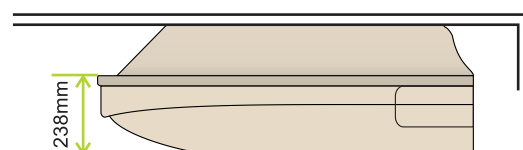
## Floor Ceiling Type



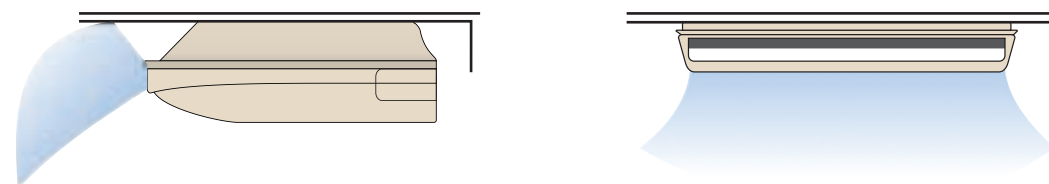
Easy to install and good looking, satisfies your more requirements for the space



Compact and light weight  
Only 238mm in height.



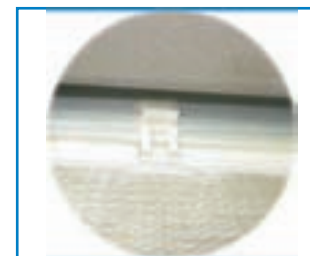
The air supply range is efficiently wider by addition of cross-direction sweep



Long life and washable filter

Convenient disassembly and maintenance thanks to unique design

Plastic filter with buckles



Grill buckle



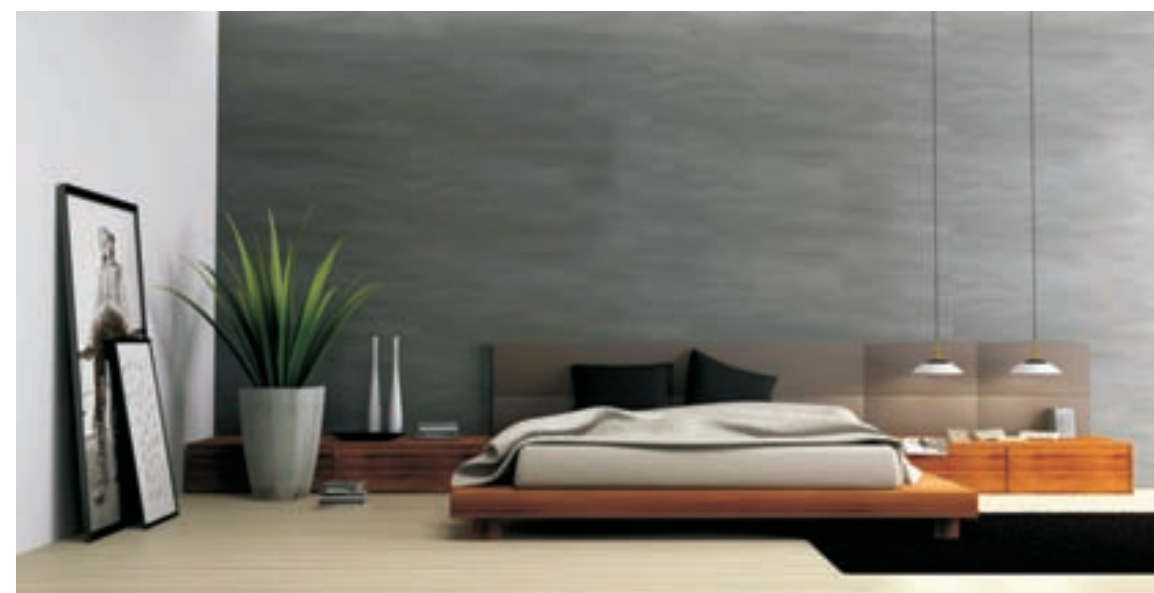
Filter buckle

Dismountable fan system



Dismountable motor

The project installation is more flexible thanks to EXV integrated





Floor Ceiling Type



| Model                    | Cooling only |         | GMVL-R28Zd/Na-K   | GMVL-R36Zd/Na-K | GMVL-R50Zd/Na-K |
|--------------------------|--------------|---------|-------------------|-----------------|-----------------|
|                          | Heat pump    |         | GMV-R28Zd/Na-K    | GMV-R36Zd/Na-K  | GMV-R50Zd/Na-K  |
| Capacity                 | Cooling      | kW      | 2.8               | 3.6             | 5               |
|                          | Heating      | kW      | 3.2               | 4               | 5.8             |
| Power supply             |              | V-Ph-Hz | 220-240V-1Ph-50Hz |                 |                 |
| Motor power input        |              | W       | 22                | 22              | 90              |
| Air flow volume          | m³/h         |         | 550               | 600             | 700             |
|                          | CFM          |         | 324               | 353             | 412             |
| Sound pressure level     |              | dB(A)   | 43                | 44              | 50              |
| Outline dimension        | W×D×H        | mm      | 840×238×695       |                 |                 |
| Package dimension        | W×D×H        | mm      | 1035×295×805      |                 |                 |
| Net Weight               |              | kg      | 28                |                 |                 |
| Gross weight             |              | kg      | 37                |                 |                 |
| Connecting pipe diameter | Gas          | inch    | 3/8               | 1/2             |                 |
|                          | Liquid       | inch    | 1/4               | 1/4             |                 |



| Model                    | Cooling only |         | GMVL-R71Zd/Na-K           | GMVL-R90Zd/Na-K | GMVL-R112Zd/Na-K | GMVL-R125Zd/Na-K |
|--------------------------|--------------|---------|---------------------------|-----------------|------------------|------------------|
|                          | Heat pump    |         | GMV-R71Zd/Na-K            | GMV-R90Zd/Na-K  | GMV-R112Zd/Na-K  | GMV-R125Zd/Na-K  |
| Capacity                 | Cooling      | kW      | 7.1                       | 9               | 11.2             | 12.5             |
|                          | Heating      | kW      | 8                         | 10              | 12.5             | 13.5             |
| Power supply             |              | V-Ph-Hz | 220-240V-1Ph-50Hz         |                 |                  |                  |
| Motor power input        |              | W       | 220                       | 330             | 390              | 390              |
| Air flow volume          |              | m³/h    | 1170                      | 2100            | 2200             | 2300             |
|                          |              | CFM     | 689                       | 1236            | 1294             | 1353             |
| Sound pressure level     |              | dB(A)   | 48                        | 51              | 54               | 55               |
| Outline dimension        | W×D×H        | mm      | 1300×188×600 1590×238×695 |                 |                  |                  |
| Package dimension        | W×D×H        | mm      | 1514×248×724 1814×330×830 |                 |                  |                  |
| Net Weight               |              | kg      | 34                        | 44              |                  |                  |
| Gross weight             |              | kg      | 38                        | 53              |                  |                  |
| Connecting pipe diameter | Gas          | inch    | 5/8                       |                 |                  |                  |
|                          | Liquid       | inch    | 3/8                       |                 |                  |                  |

Floor Ceiling Type



| Model                    | Cooling only |         | GMVL-R28Zd/NaB-K  | GMVL-R36Zd/NaB-K | GMVL-R50Zd/NaB-K | GMVL-R71Zd/NaB-K  |
|--------------------------|--------------|---------|-------------------|------------------|------------------|-------------------|
|                          | Heat pump    |         | GMV-R28Zd/NaB-K   | GMV-R36Zd/NaB-K  | GMV-R50Zd/NaB-K  | GMV-R71Zd/NaB-K   |
| Capacity                 | Cooling      | kW      | 2.8               | 3.6              | 5.0              | 7.1               |
|                          | Heating      | kW      | 3.2               | 4.0              | 5.8              | 8.0               |
| Power supply             |              | V-Ph-Hz | 220-240V-1Ph-50Hz |                  |                  | 220-240V-1Ph-50Hz |
| Motor power input        |              | W       | 19                |                  |                  | 140               |
| Air flow volume          | m³/h         |         | 550               | 600              | 700              | 1400              |
|                          | CFM          |         | 324               | 353              | 412              | 824               |
| Sound pressure level     |              | dB(A)   | 43                | 44               | 50               | 49                |
| Outline dimension        | W×D×H        | mm      | 980×700×225       |                  |                  | 1420×700×245      |
| Package dimension        | W×D×H        | mm      | 1090×825×310      |                  |                  | 1530×825×330      |
| Net Weight               |              | kg      | 27                |                  |                  | 52                |
| Gross weight             |              | kg      | 37                |                  |                  | 61                |
| Connecting pipe diameter | Gas          | inch    | 3/8               | 1/2              |                  | 5/8               |
|                          | Liquid       | inch    | 1/4               |                  |                  | 3/8               |



| Model                    | Cooling only |         | GMVL-R90Zd/NaB-K  | GMVL-R112Zd/NaB-K | GMVL-R125Zd/NaB-K | GMVL-R140ZD/NaB-K |
|--------------------------|--------------|---------|-------------------|-------------------|-------------------|-------------------|
|                          | Heat pump    |         | GMV-R90Zd/NaB-K   | GMV-R112Zd/NaB-K  | GMV-R125Zd/NaB-K  | GMV-R140ZD/NaB-K  |
| Capacity                 | Cooling      | kW      | 9.0               | 11.2              | 12.5              | 14.0              |
|                          | Heating      | kW      | 10.0              | 12.5              | 13.5              | 16.0              |
| Power supply             |              | V-Ph-Hz | 220-240V-1Ph-50Hz |                   |                   |                   |
| Motor power input        |              | W       | 180               | 250               |                   |                   |
| Air flow volume          |              | m³/h    | 1600              | 2000              |                   |                   |
|                          |              | CFM     | 940               | 1177              |                   |                   |
| Sound pressure level     |              | dB(A)   | 51                | 55                |                   |                   |
| Outline dimension        | W×D×H        | mm      | 1420×700×245      | 1700×700×245      |                   |                   |
| Package dimension        | W×D×H        | mm      | 1530×825×330      | 1825×825×330      |                   |                   |
| Net Weight               |              | kg      | 54                | 64                | 66                |                   |
| Gross weight             |              | kg      | 63                | 72                | 74                |                   |
| Connecting pipe diameter | Gas          | inch    | 5/8               |                   |                   |                   |
|                          | Liquid       | inch    | 3/8               |                   |                   |                   |





## Wall Mounted Type



EXV Separated



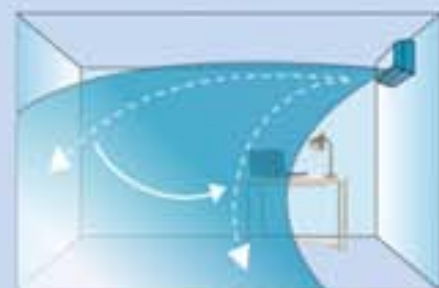
EXV Integrate



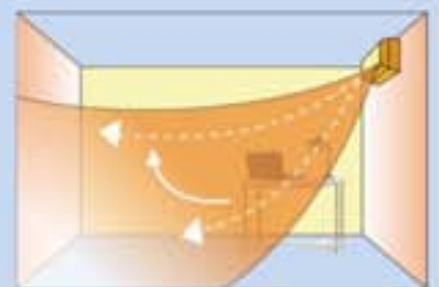
Streamlined design for spaces without ceiling

Optimized & comfortable Airflow

Vertical auto swing



When cooling, cool air is directed across the room and then sinks.



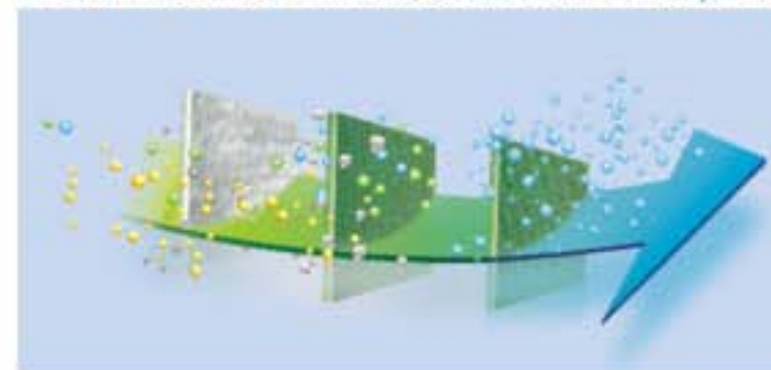
When heating, warm air is directed across the floor and then rises.

Anti cool air design



When heating in winter, intelligent anti cool air function is started. Unit only blows when air inside the unit is pre-heated to prevent cool air from blowing out.

Trinal air filter with anti-mildew, static electric dust capture and anti-bacterial functions.



Low noise design

Advanced irregular-distance mixed flow fan, unique duct design and multi-grill auxiliary duct make the operation highly efficient and the noise lower.



Washable grille, the front grille can be easily removed for washing.



Wide discharge angle

Auto clean

After unit off indoor fan would still operate in low speed to dry the inner components and parts, preventing mould growing and odor.\*

\*Only in cooling & drying mode



Low operation sound level.

Low-noise cross flow fan reduces vortex flow in duct, thus reducing the noise.

EXV integrated makes the project installation easier and more flexible.

The external DIP board makes the project debugging quicker.



Wall Mounted Type



| Model                      | Cooling only |      | GMVL-R22G/NaB-K   | GMVL-R28G/NaB-K | GMVL-R36G/NaB-K | GMVL-R45G/NaB-K |
|----------------------------|--------------|------|-------------------|-----------------|-----------------|-----------------|
|                            | Heat pump    |      | GMV-R22G/NaB-K    | GMV-R28G/NaB-K  | GMV-R36G/NaB-K  | GMV-R45G/NaB-K  |
| Capacity                   | Cooling      | kW   | 2.2               | 2.8             | 3.6             | 4.5             |
|                            | Heating      | kW   | 2.5               | 3.2             | 4               | 5               |
| Power supply               | V-Ph-Hz      |      | 220-240V-1Ph-50Hz |                 |                 |                 |
| Motor power input          | W            |      | 32                |                 | 48              |                 |
| Air flow volume            | m³/h         |      | 360               |                 | 500             |                 |
|                            | CFM          |      | 212               |                 | 294             |                 |
| Sound pressure level (H/L) | dB(A)        |      | 37/28             |                 | 43/28           |                 |
| Outline dimension          | W×D×H        | mm   | 770×190×250       |                 | 830×189×285     |                 |
| Package dimension          | W×D×H        | mm   | 955×330×272       |                 | 1006×385×265    |                 |
| Net Weight                 | kg           |      | 8                 |                 | 11              |                 |
| Gross weight               | kg           |      | 14.3              |                 | 15.8            |                 |
| Connecting pipe diameter   | Gas          | inch | 3/8               |                 | 1/2             |                 |
|                            | Liquid       | inch |                   | 1/4             |                 |                 |

Wall Mounted Type



| Model                      | Cooling only |      | GMVL-R22G/NaG-K   | GMVL-R28G/NaG-K | GMVL-R36G/NaG-K | GMVL-R45G/NaG-K |
|----------------------------|--------------|------|-------------------|-----------------|-----------------|-----------------|
|                            | Heat pump    |      | GMV-R22G/NaG-K    | GMV-R28G/NaG-K  | GMV-R36G/NaG-K  | GMV-R45G/NaG-K  |
| Capacity                   | Cooling      | kW   | 2.2               | 2.8             | 3.6             | 4.5             |
|                            | Heating      | kW   | 2.5               | 3.2             | 4               | 5               |
| Power supply               | V-Ph-Hz      |      | 220-240V-1Ph-50Hz |                 |                 |                 |
| Motor power input          | W            |      | 50                |                 | 60              |                 |
| Air flow volume            | m³/h         |      | 500               |                 | 630             |                 |
|                            | CFM          |      | 294               |                 | 371             |                 |
| Sound pressure level (H/L) | dB(A)        |      | 38/34             |                 | 44/38           |                 |
| Outline dimension          | W×D×H        | mm   | 843×180×275       |                 | 940×200×298     |                 |
| Package dimension          | W×D×H        | mm   | 915×255×355       |                 | 1010×380×285    |                 |
| Net Weight                 | kg           |      | 10.5              |                 | 13              |                 |
| Gross weight               | kg           |      | 12.5              |                 | 16              |                 |
| Connecting pipe diameter   | Gas          | inch | 3/8               |                 | 1/2             |                 |
|                            | Liquid       | inch |                   | 1/4             |                 |                 |



| Model                      | Cooling only |      | GMVL-R50G/NaB-K   | GMVL-R56G/NaB-K | GMVL-R71G/Na-K | GMVL-R80G/Na-K |
|----------------------------|--------------|------|-------------------|-----------------|----------------|----------------|
|                            | Heat pump    |      | GMV-R50G/NaB-K    | GMV-R56G/NaB-K  | GMV-R71G/Na-K  | GMV-R80G/Na-K  |
| Capacity                   | Cooling      | kW   | 5.0               | 5.6             | 7.1            | 8.0            |
|                            | Heating      | kW   | 5.8               | 6.3             | 8.0            | 9.0            |
| Power supply               | V-Ph-Hz      |      | 220-240V-1Ph-50Hz |                 |                |                |
| Motor power input          | W            |      | 56                | 58              | 63             | 85             |
| Air flow volume            | m³/h         |      | 700               | 750             |                | 1200           |
|                            | CFM          |      | 412               | 441.5           |                | 706            |
| Sound pressure level (H/L) | dB(A)        |      | 45/40             |                 | 49/42          |                |
| Outline dimension          | W×D×H        | mm   | 1020×228×310      |                 | 1178×227×326   |                |
| Package dimension          | W×D×H        | mm   | 1178×325×390      |                 | 1365×417×333   |                |
| Net Weight                 | kg           |      | 15.5              |                 | 17.5           |                |
| Gross weight               | kg           |      | 20.5              |                 | 23             |                |
| Connecting pipe diameter   | Gas          | inch | 1/2               | 5/8             | 5/8            |                |
|                            | Liquid       | inch | 1/4               | 3/8             | 3/8            |                |



| Model                      | Cooling only |      | GMVL-R50G/NaG-K   | GMVL-R56G/NaG-K | GMVL-R63G/NaG-K | GMVL-R71G/NaG-K |
|----------------------------|--------------|------|-------------------|-----------------|-----------------|-----------------|
|                            | Heat pump    |      | GMV-R50G/NaG-K    | GMV-R56G/NaG-K  | GMV-R63G/NaG-K  | GMV-R71G/NaG-K  |
| Capacity                   | Cooling      | kW   | 5.0               | 5.6             | 6.3             | 7.1             |
|                            | Heating      | kW   | 5.8               | 6.3             | 7.0             | 8.0             |
| Power supply               | V-Ph-Hz      |      | 220-240V-1Ph-50Hz |                 |                 |                 |
| Motor power input          | W            |      | 60                |                 | 70              |                 |
| Air flow volume            | m³/h         |      | 600               |                 | 800             |                 |
|                            | CFM          |      | 371               |                 | 471             |                 |
| Sound pressure level (H/L) | dB(A)        |      | 44/38             |                 |                 |                 |
| Outline dimension          | W×D×H        | mm   | 940×200×298       |                 | 1008×221×319    |                 |
| Package dimension          | W×D×H        | mm   | 1010×380×285      |                 | 1073×395×313    |                 |
| Net Weight                 | kg           |      | 13                |                 | 15              |                 |
| Gross weight               | kg           |      | 16                |                 | 20              |                 |
| Connecting pipe diameter   | Gas          | inch | 1/2               |                 | 5/8             |                 |
|                            | Liquid       | inch | 1/4               |                 | 3/8             |                 |

