

FVI (E Series)
DC Inverter
VRF System
R410A



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ABOUT



Vision

To Be The Most Innovative and Caring Air Conditioning Company in Malaysia.

Mission Statement

To Provide a Full Range of Cost Competitive and Innovative Air Conditioners.

To Provide a Caring Environment for Employees and Customers.

Company Core Values

Building & Caring for People

- Building people through a culture of continuous learning. Striving to equip and empower every individual in the company
- Looking after the welfare of our people, treating them as family
- Sharing success with our people

Teamwork

Born out of respect, honesty and trust that engenders the sharing of knowledge and opinions in a belief that as a team, we can strive towards greater heights.

Being Different & Innovative

- Committing to a culture of continuous improvement in products and processes
- Consistently looking at and boldly trying new ways of doing things
- Constantly looking to create very different and unique products and services that deliver value to our customers

FROM RESIDENTIAL AIR CONDITIONERS TO COMMERCIAL AIR CONDITIONERS

Fujiaire (M) Sdn. Bhd. was formed in 1994 by a team of technical and marketing experts from the air conditioning industry.

The common goal was to develop a line of technologically advanced and innovative air conditioning systems.

Fujiaire has since pioneered several breakthroughs in air conditioning systems. In 1996, it introduced the innovative ionizer technology. And in 2003, Fujiaire launched a line of cutting-edge air conditioners with UV air sterilizers.

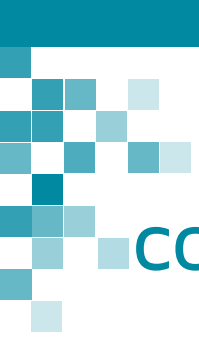
From residential air conditioners to commercial air conditioners, there is now a full product range. Fujiaire's reputation as a global market player has earned it a wide clientele from 20 countries including Australia, Sweden, Germany, South Africa, India, UAE, Saudi Arabia, Iran, Kuwait, Hong Kong, China, Brunei, Vietnam and Indonesia.

Fujiaire's global expertise and commitment in research and development enhances its position as a developer of high quality, technologically advanced air conditioning products.



CORPORATE SHOWROOM





CORPORATE SHOWROOM



FUJIAIRE FACTORY



NOMENCLATURE

F VI - D 050 M E - A 2 1 N

Features

Indoor

- N : Standard Unit
- W : Optional Wired Controller
(For Wall Mounted, Cassette, Floor Ceiling)

Outdoor

- G : Gold Fins

Climate

- 1 : T1

Refrigerant

- 2 : R410A

Power Supply

- A : 220-240V/1Ph/50Hz
- E : 380-415V/3Ph/50Hz
- L : 208-230V/1Ph/60Hz
- H : 208-230V/3Ph/60Hz
- F : 380-415V/3Ph/60Hz

Series Code

- E : E Series

ESP (for Ducted & Slim Ducted)

- L : Low Static
- M : Medium Static
- H : High Static

Outdoor Condensing Unit

- S : Mini & Slim
- A : Partial Inverter

Capacity Btu/Hr

- | | |
|--------------|---------------|
| 008 : 8,000 | 013 : 13,000 |
| 010 : 10,000 | ... : ... |
| 011 : 11,000 | 640 : 640,000 |

Type

- W : Wall Mounted
- E : Floor Ceiling
- C : Slim Ducted
- D : Ducted
- R : 1-Way Cassette
- S : 2-Way Cassette
- T : 4-way Cassette
- F : Floor Standing
- G : Console
- H : Air Handler
- L : Outdoor Condensing Unit

System Type

- VI : VRF DC Inverter
- VR : Heat Recovery
- FWW : Water Cooled VRF
- FVA : Fresh Air VRF

Brand

- F : Fujiaire
- P : Fujipure

FVI-KE SERIES



Key Features

High-efficiency Enthalpy Control Technology

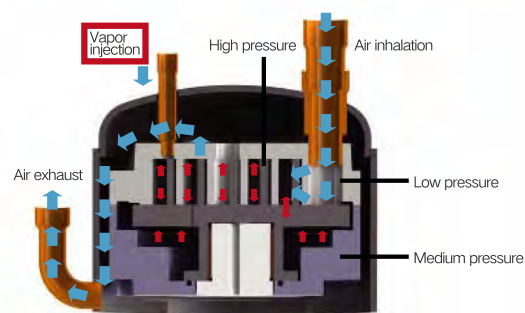
High-efficiency EVI Scroll Type DC Inverter High-pressure Cavity Compressor



1 High-efficiency EVI control technology

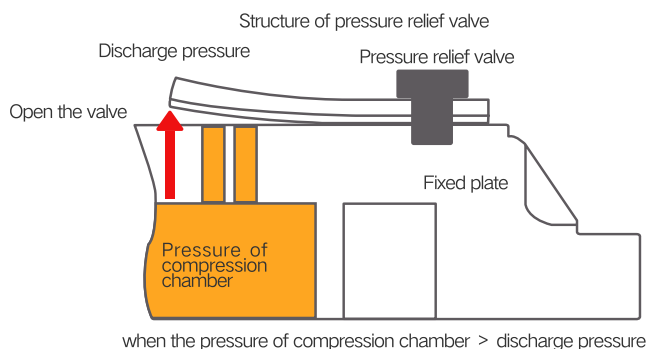
High-efficiency EVI compressor, which is developed according the features of VRF unit, its 0-420Hz adjusting range can perfectly match with the whole unit, so as to excel the performance to the greatest extent.

Reinforce system capacity, widen operating range and accelerate heating.



2 Release valve

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



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.

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.

Large Air Volume and Low Noise Fan Blade

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



China Patent 201820495665.8 Axial Fan Blade and Air Conditioner

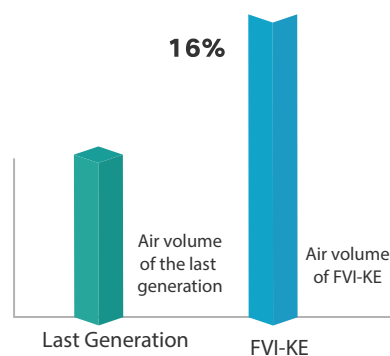


The "Reverse-S shape" tail design, with 4-blade control and separate design of blade pressure surface and suction surface, effectively increases the working area of fan blades and greatly improves the air volume.

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



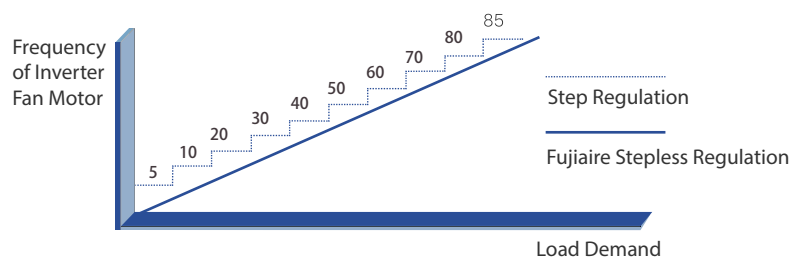
Note: Applicable for some models

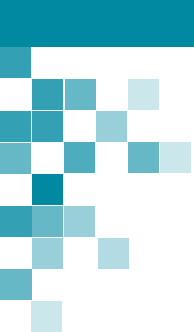


*The above data are measured under rated conditions

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.





High-efficiency Heat Exchanger Design

G-shape Integrated Heat Exchanger

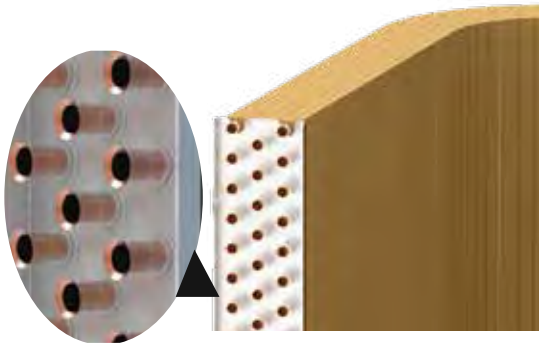
Molded at one time, the G shape integrated heat exchanger can improve space utilization and increase heat exchanger area and heat exchange efficiency.



Note: Applicable for some models

Multi-row Small Diameter Design

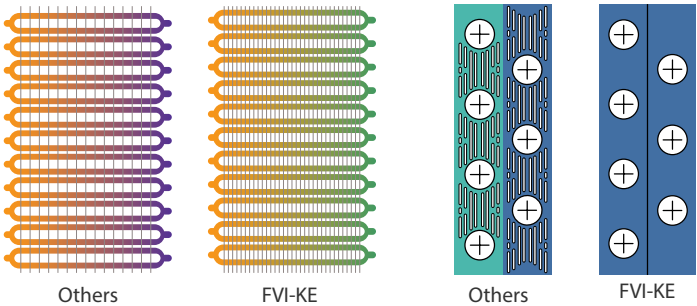
The refrigerant pipe adopts Ø7mm and 3-row design, which can reduce the flowing resistance of refrigerant inside the pipe and effectively increase the heat exchange area of refrigerant, so as to optimize and improve the heat exchange efficiency.



Note: Applicable for some models

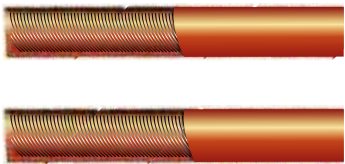
Small Pitch Corrugated Heat Exchanger Fins

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



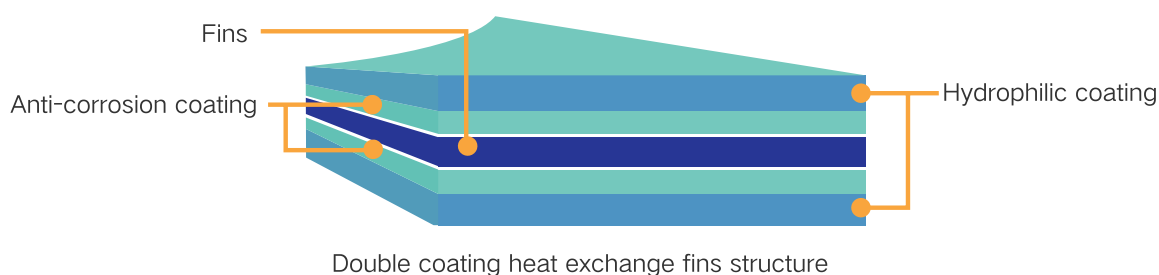
Internal Screw Thread Design of Copper Tube

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



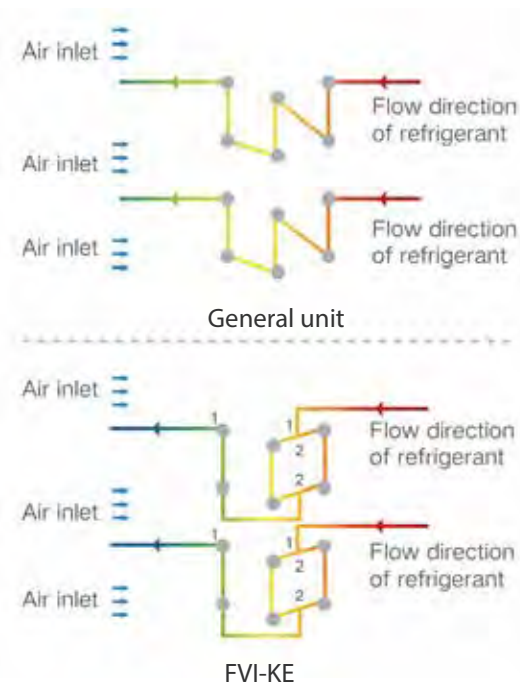
Multi-functional Heat Exchanger Fins

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 isolated the pollutants and dust from air to protect the fins, with stronger corrosion resistance and better heat exchange effect.



Divisional Heat Exchange Flow Path

According 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.

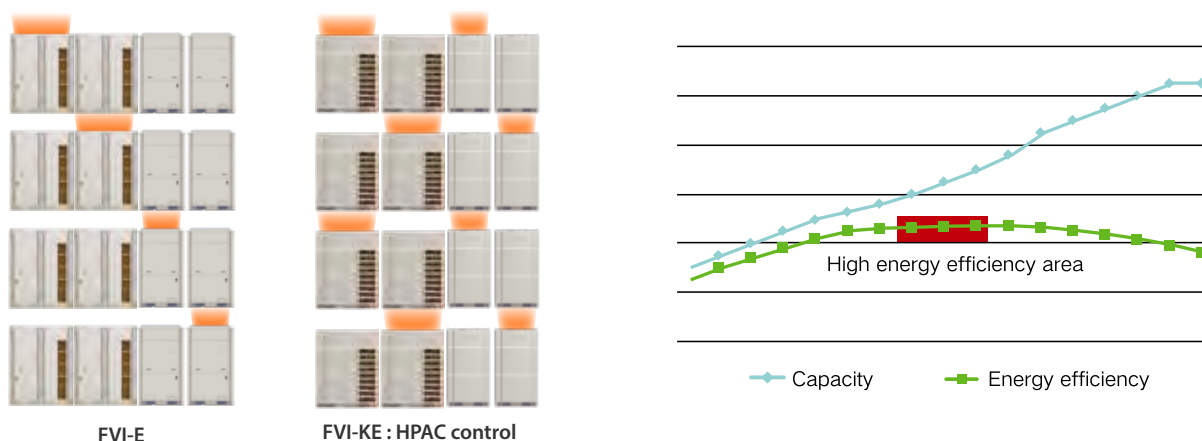


High-efficiency and Energy-saving

HPAC High-efficiency Alternate Control

FVI-KE adopts high-efficiency alternate control method to intelligently adjust the distributing method according to the demand of indoor load, which had 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.



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.

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. FVI-KE 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

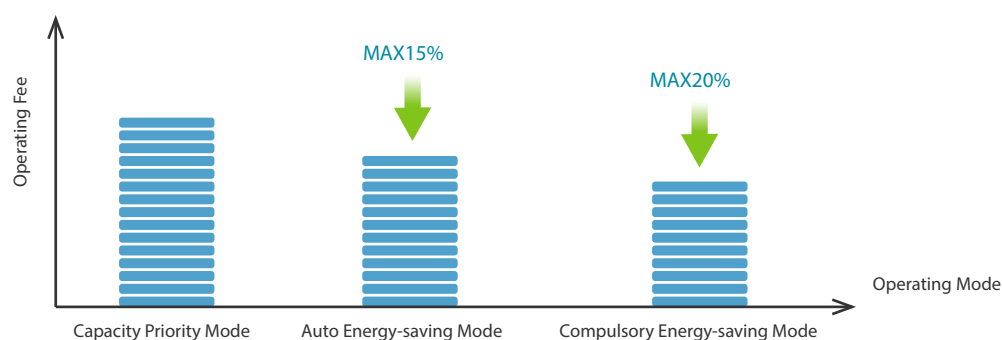
With the power supply is sufficient, it will satisfy the using capacity demand in priority. This mode is default mode.

Auto Energy-saving Mode

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

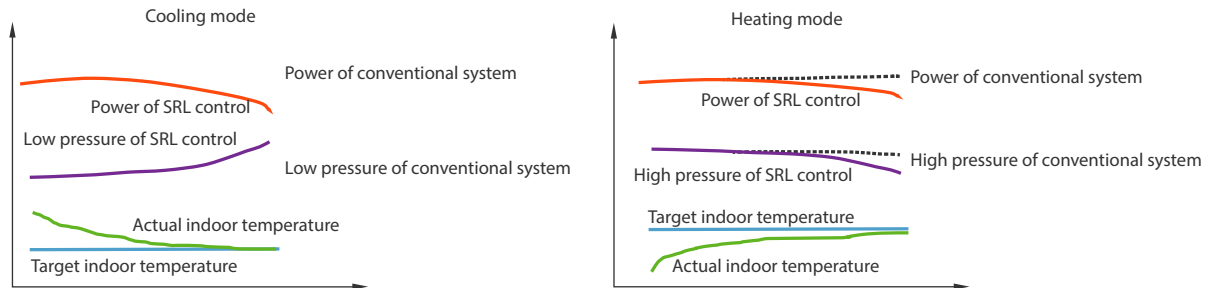
Compulsory Energy-saving Mode

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



SRL (Self-reaction Load) Self-adaptive Control

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

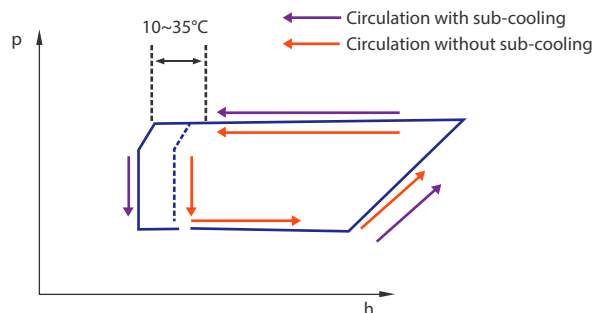


Variable Sub-cooling Design

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

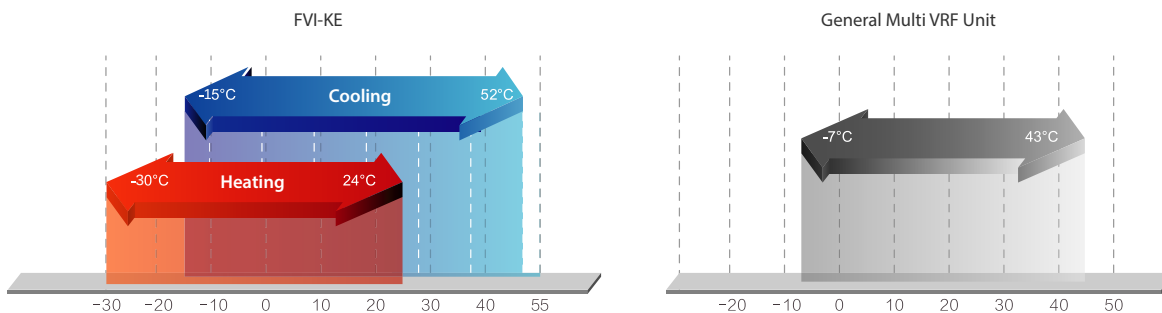
Problems with fixed sub-cooling and excessive sub-cooling:

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



Wide Operation Range

-30°C ~ 52°C stable operation to provide users with comfortable environment in both cold and hot weather, operating ambient temperature for cooling can be as low as -15°C.



Note:

1. As different series have different operating ranges, please refer to the corresponding technical information.
2. Cooling at -15°C ~ 5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.

Integrated Mainboard

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

Intelligent Design

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

High Reliability Design

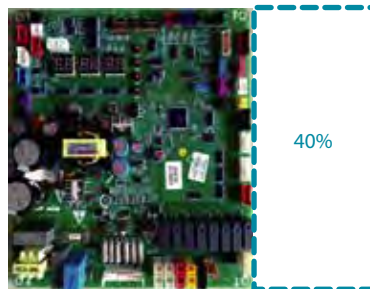
It is designed with wide voltage protection, default phase protection, overload protection, anti-surge protection, anti-static protection and so on. Together with advanced moisture-proof, dust-proof and anti-corrosion design, the system is more stable and reliable.

Advanced Production and Inspection Technology

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



FVI-E



FVI-KE

Integrated High-efficiency Heat Dissipation Electric Controller

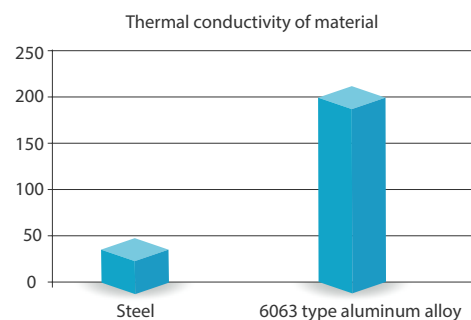
Main body of electric box is made of 6063T5 aluminum alloy material with high thermal conductivity (the heat dissipation capacity is 4.5 times that of conventional steel plates). The integrated structure design reduces the overall volume by 35%. Installation and maintenance are more convenient.



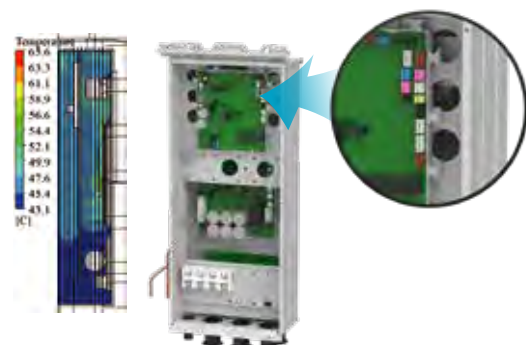
Other (sheet metal structure)



FVI-KE (Aluminum alloy)



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



Quiet and Comfortable

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.



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.



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%.



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

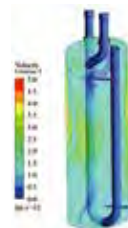
④ Pipeline Simulation Shock Absorption

Pipeline is designed based on ANSYS to effectively reduce the vibration of pipes.



⑦ Quiet Gas-liquid Separator

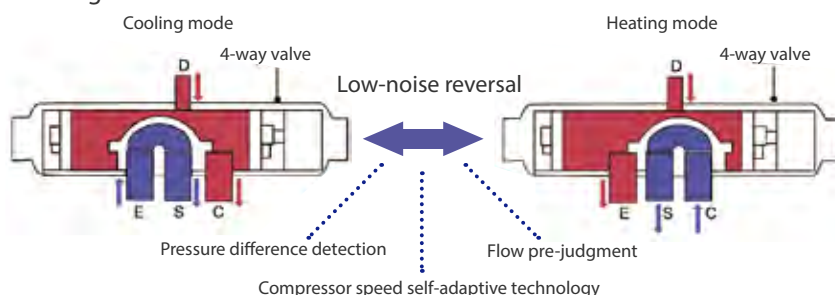
It is a special low-noise and large-capacity gas liquid separator. The shape and angle of the gas-in and gas-out tubes are specially designed to reduce noise.



Low-noise Operating Technology

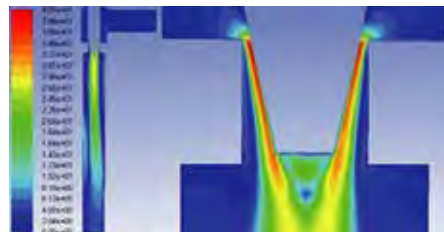
Low-noise Reversing Control Technology

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.



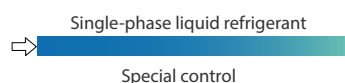
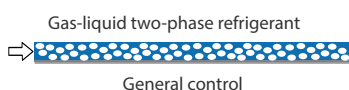
Refrigerant Flow Noise Reduction Technology

FVI-KE 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 vortices 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.

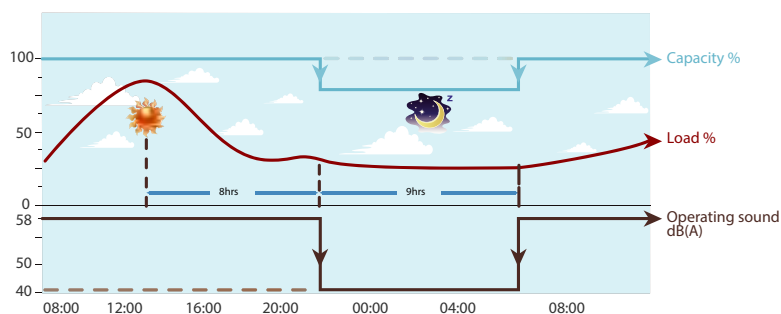


Quiet Technology

13 Quiet Modes

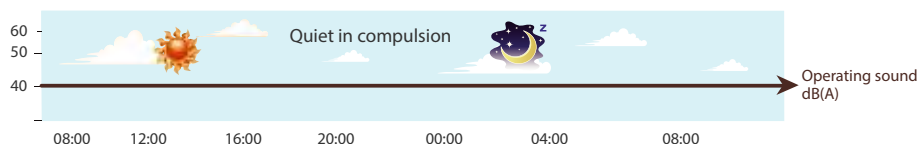
Quiet at Night

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.



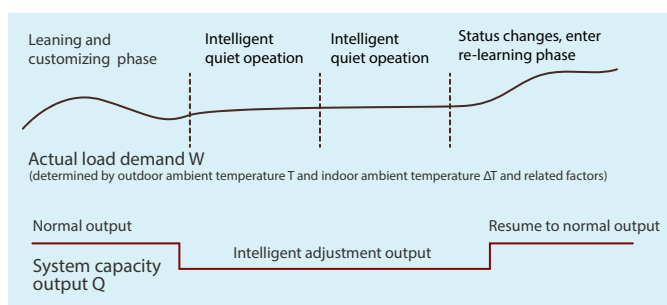
Quiet in Compulsion

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).

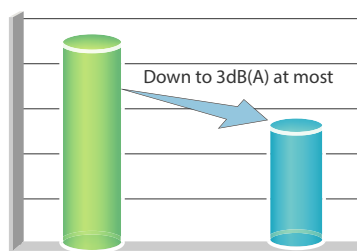


Intelligent Quiet

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.



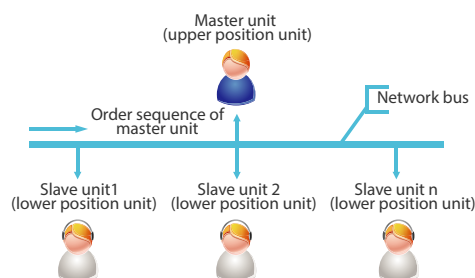
Stable & Reliable Operation

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.

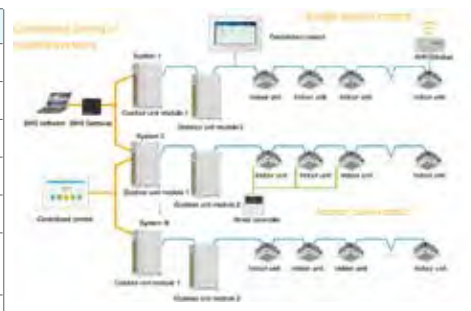
The current air conditioning communication technology adopts master-slave polling mechanism, which has the technical bottlenecks with low reliability, poor real-time performance, and poor extendibility, which restrict the development of intelligence; slow response of centralized control and low efficiency 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 required multiple nodes, multistep control and intelligent expansion, we originally developed the stratification CAN+ structure with multiple master 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



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

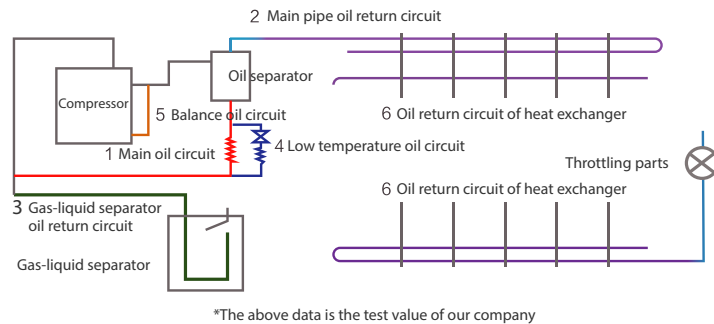
- With automatic addressing function, the system automatically assigns addresses without manual DIP switch setting and networking, saving time and efforts;
- The interface adopts non-polar design. Engineering wiring does not need to consider the positive and negative poles, which is safe and reliable.

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.



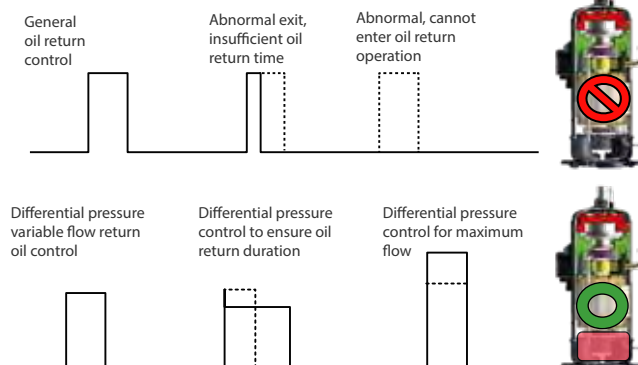
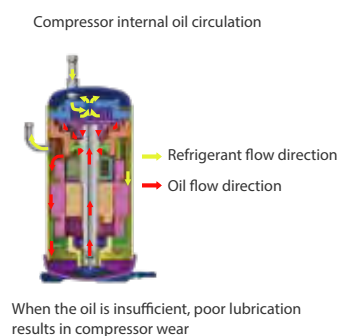
Self-balancing Control Without Oil Balancing Tube

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.



Pressure Difference Type Variable Flow Oil Return Technology

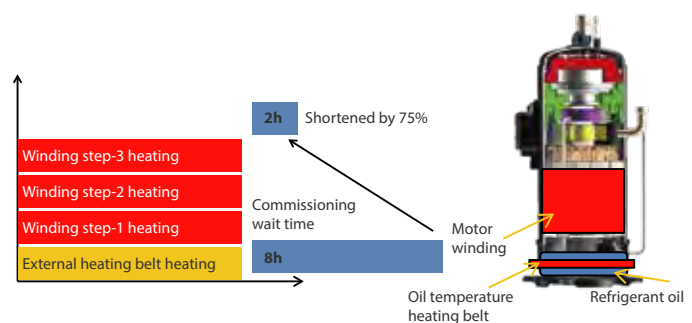
According to different operating conditions of the unit, on the premise of ensuring the reliability of the unit, the pressure difference control factor is introduced to conduct intelligent variable flow oil return operation according to the real-time operating parameters of the unit, to ensure the maximum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

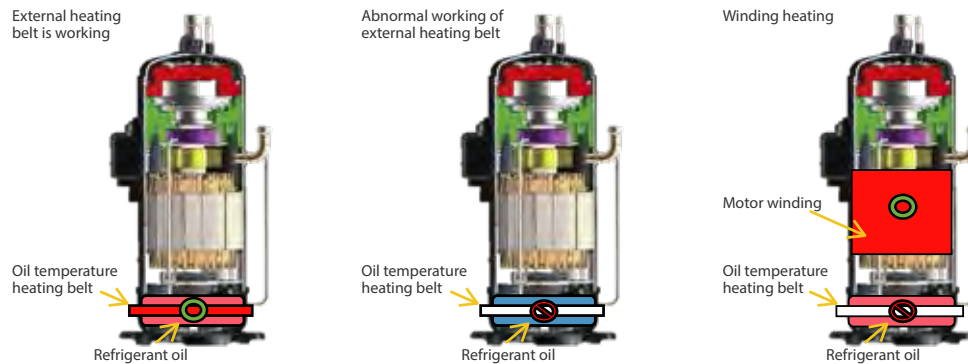
Variable control of motor winding heating power enables fast and safe start-up under different environmental conditions, and the preheating time is shortened from 8 hours to 2 hours.



Backup Heating

Under the condition that the external heating belt works abnormally in the FVI-KE unit, the winding heating can also work normally to ensure the reliability 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.



Multi-electronic Expansion Valve Control Technology

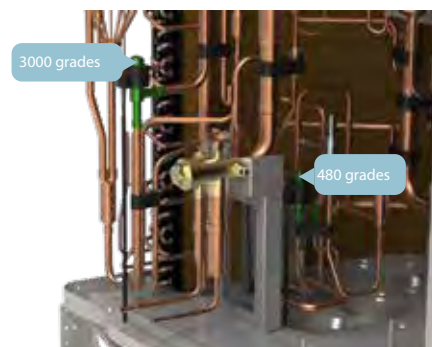
Electronic expansion valve is one of the four basic components of the air conditioner. In addition to the throttling function, it can also adjust the refrigerant flow into the evaporator. The wider the adjustment range of the electronic expansion valve is, the higher the accuracy will be.

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

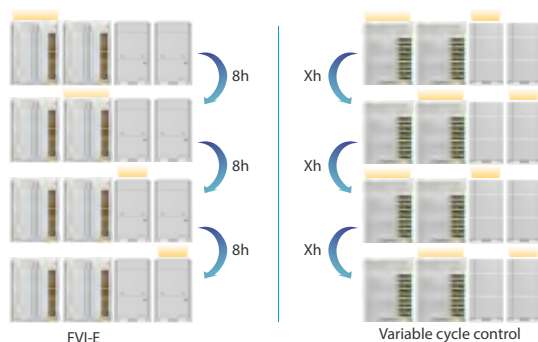
The quiet electronic expansion valve is used to accurately control the refrigerant flow, the adjustment is smooth and stable, and the comfort and reliability are improved.



New Generation Intelligent Alternate Control Technology

Variable Cycle Module Alternate Control

FVI-KE 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

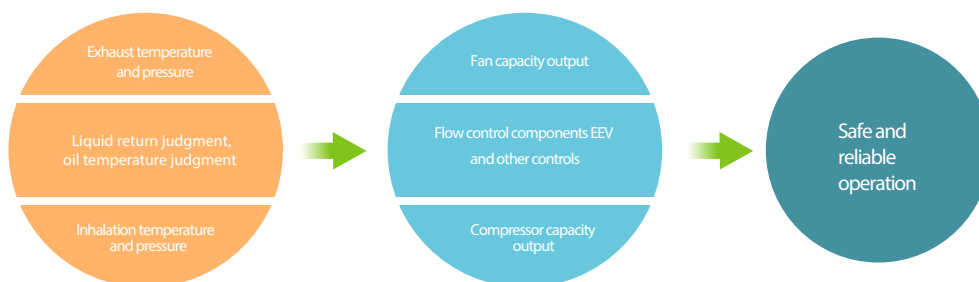
As for the system control, not only the overall service life of the modular design is considered, when the module is designed for multiple compressors, the internal compressors will also conduct rotation control to balance the operating service life of each compressor.



*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 to be directly inhaled into the compressor. At the same time, the liquid return judgement 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.



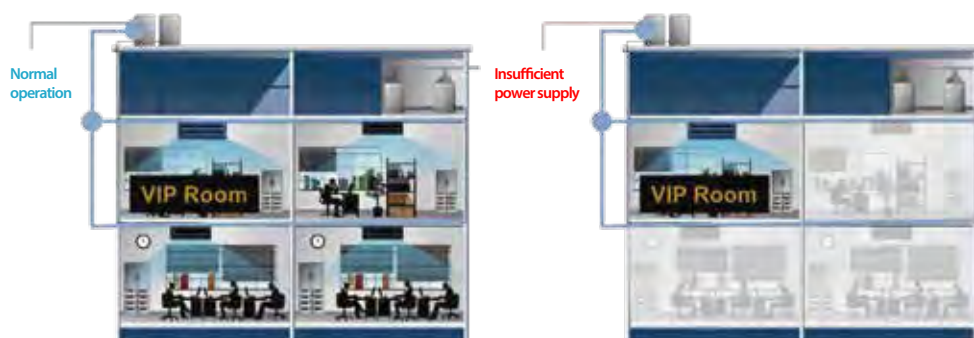
Emergency Stop Function

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

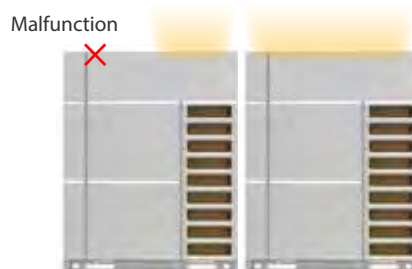
Basic module emergency function

FVI-KE 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. Fujiaire 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

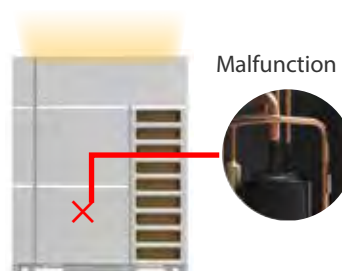
For a basic module with two or more compressors, when one of the compressors is malfunctioning, the unit can still operate with other compressors, which reduces the influence of malfunction.



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 minimized the influence of malfunction.

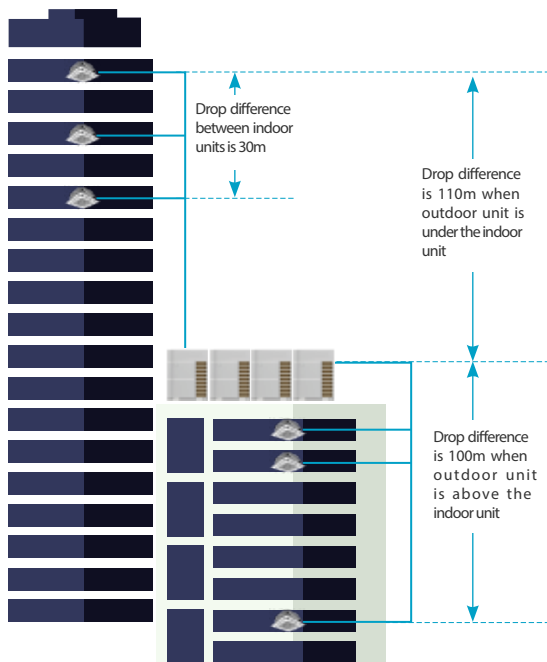
* Only for some temperature sensors.



Flexible Engineering Design

Super Long Refrigerant Pipe Design

FVI-KE 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 1000m.
- The maximum length after the first branch pipe is 120m*.
- The maximum drop of indoor and outdoor units is 110m* (100m when the outdoor unit is in upper position)*.
- The maximum drop between indoor units is 30m.

*Please consult technical staff for details.

High Static Pressure Design

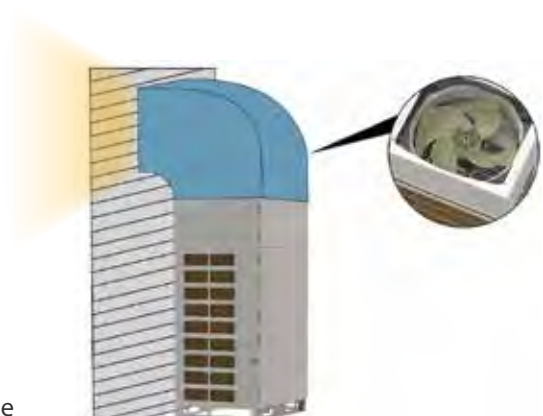
New diversion cover: Effectively coupled with fan blades, the flow field is more uniform.

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

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

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

High-efficiency motor, powerful output and highest static pressure up to 100Pa (ex-factory standard).



Intelligent Commissioning

Quick Installation

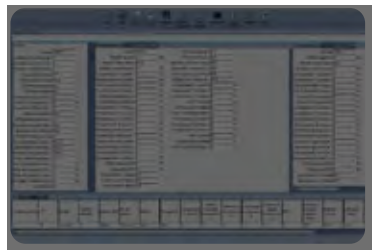
- Automatic address allocation: the system automatically allocates addresses to the indoor units, no DIP switch is required for commissioning, which is convenient.
- Five-side outlet pipes connection method: pipes can be lead out from five sides--front side, left and right sides, back and lower sides,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



FVI-E commissioning system
Clear interface, detailed data,
and more professional analysis



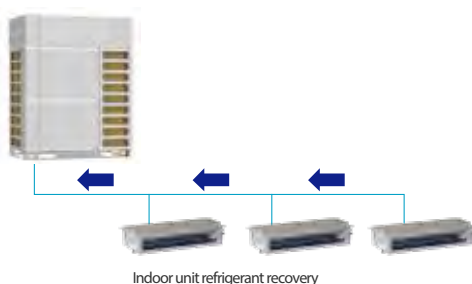
Multi-functional debugger
Quick connection, no special PC
required; automatic data storage (4GB),
no external storage required

Debugging before Installing Wired Controller

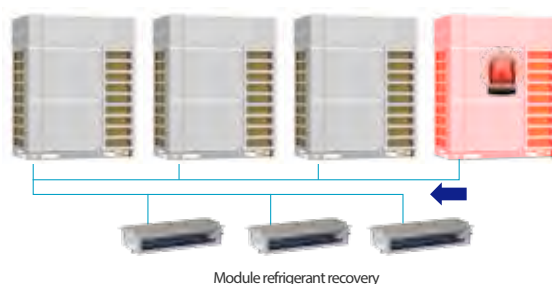
Before the completion of the project, in order to avoid damage to the wired controller during the construction process, the system can be debugged without installing the wired controller. After the entire project construction is completed, the wired controller can be installed and put in use, which can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

New Generation Refrigerant 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

Efficiently Maintained Structural Layout

FVI-KE 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.



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

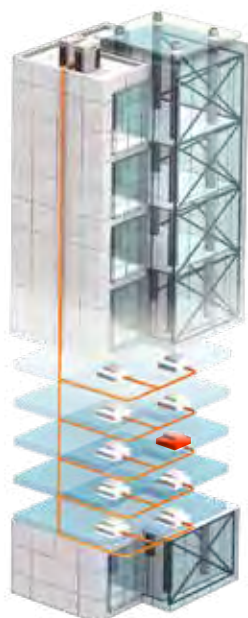


Transient season lock: air supply is effective



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

Specifications & Parameter of Outdoor Unit

Outdoor Units Lineup

No.	Model	HP	Cooling		Heating		Description	ODU Combination (HP)
			kW	Btu/hr	kW	Btu/hr		
1	FVI-L080KE-E21G	8	22.4	76,400	25.0	85,300	BASIC MODULE ODU	8
2	FVI-L100KE-E21G	10	28.0	95,500	31.5	107,500		10
3	FVI-L120KE-E21G	12	33.5	114,300	37.5	128,000		12
4	FVI-L140KE-E21G	14	40.0	136,500	45.0	153,500		14
5	FVI-L160KE-E21G	16	45.0	153,500	50.0	170,600		16
6	FVI-L180KE-E21G	18	50.4	172,000	56.5	192,800		18
7	FVI-L200KE-E21G	20	56.0	191,100	63.0	215,000		20
8	FVI-L220KE-E21G	22	61.5	209,800	69.0	235,400		22
9	FVI-L240KE-E21G	24	68.0	232,000	76.5	261,000		24
10	FVI-L260KE-E21G	26	73.5	250,800	82.5	281,500	2 MODULAR ODU	12 + 14
11	FVI-L280KE-E21G	28	78.5	267,800	87.5	298,600		12 + 16
12	FVI-L300KE-E21G	30	83.9	286,300	94.0	320,800		12 + 18
13	FVI-L320KE-E21G	32	89.5	305,300	100.5	342,900		10 + 22
14	FVI-L340KE-E21G	34	95.0	324,100	106.5	363,400		12 + 22
15	FVI-L360KE-E21G	36	101.5	346,300	114.0	388,900		14 + 22
16	FVI-L380KE-E21G	38	106.4	363,100	119.5	407,800		18 + 20
17	FVI-L400KE-E21G	40	111.9	381,800	125.5	428,200		18 + 22
18	FVI-L420KE-E21G	42	117.5	400,900	132.0	450,400		20 + 22
19	FVI-L440KE-E21G	44	123.0	419,600	138.0	470,800		22 + 22
20	FVI-L460KE-E21G	46	129.5	441,800	145.5	496,400		22 + 24
21	FVI-L480KE-E21G	48	136.0	464,000	153.0	522,000		24 + 24
22	FVI-L500KE-E21G	50	139.9	477,400	157.0	535,800	3 MODULAR ODU	12 + 18 + 20
23	FVI-L520KE-E21G	52	145.5	496,400	163.5	557,900		10 + 20 + 22
24	FVI-L540KE-E21G	54	151.0	515,100	169.5	578,300		10 + 22 + 22
25	FVI-L560KE-E21G	56	156.5	533,900	175.5	598,800		12 + 22 + 22
26	FVI-L580KE-E21G	58	162.3	553,800	182.0	621,000		18 + 18 + 22
27	FVI-L600KE-E21G	60	167.9	572,900	188.5	643,200		18 + 20 + 22
28	FVI-L620KE-E21G	62	173.4	591,600	194.5	663,600		18 + 22 + 22
29	FVI-L640KE-E21G	64	179.0	610,700	201.0	685,800		20 + 22 + 22
30	FVI-L660KE-E21G	66	184.5	629,400	207.0	706,200		22 + 22 + 22
31	FVI-L680KE-E21G	68	191.0	651,600	214.5	731,800		22 + 22 + 24
32	FVI-L700KE-E21G	70	197.5	673,800	222.0	757,400		22 + 24 + 24
33	FVI-L720KE-E21G	72	204.0	696,000	229.5	783,000		24 + 24 + 24
34	FVI-L740KE-E21G	74	206.9	705,900	232.0	791,600	4 MODULAR ODU	12 + 18 + 22 + 22
35	FVI-L760KE-E21G	76	212.9	726,400	238.5	813,800		16 + 18 + 20 + 22
36	FVI-L780KE-E21G	78	219.0	747,200	246.0	839,300		14 + 20 + 22 + 22
37	FVI-L800KE-E21G	80	224.5	765,900	252.0	859,700		14 + 22 + 22 + 22
38	FVI-L820KE-E21G	82	229.5	783,100	258.0	880,400		20 + 20 + 20 + 22
39	FVI-L840KE-E21G	84	235.0	801,800	264.0	900,800		20 + 20 + 22 + 22
40	FVI-L860KE-E21G	86	241.4	823,600	271.0	924,600		18 + 22 + 22 + 24
41	FVI-L880KE-E21G	88	247.0	842,700	277.5	946,800		20 + 22 + 22 + 24
42	FVI-L900KE-E21G	90	252.5	861,400	283.5	967,200		22 + 22 + 22 + 24
43	FVI-L920KE-E21G	92	259.0	883,600	291.0	992,800		22 + 22 + 24 + 24
44	FVI-L940KE-E21G	94	265.5	905,800	298.5	1,018,400		22 + 24 + 24 + 24
45	FVI-L960KE-E21G	96	272.0	928,000	306.0	1,044,000		24 + 24 + 24 + 24

Specifications & Parameter of Outdoor Unit

FVI-KE Series Specifications Outdoor Units

Model		Unit	FVI-L080KE-E21G	FVI-L100KE-E21G	FVI-L120KE-E21G	FVI-L140KE-E21G
Rating Capacity		HP	8	10	12	14
Power Supply		V~Ph~Hz	380-415~3~50/60			
Cooling	Rated Capacity (T1)	Btu/hr (kW)	76,400 (22.4)	95,500 (28.0)	114,300 (33.5)	136,500 (40.0)
	Rated Capacity (T3)	Btu/hr (kW)	68,900 (20.2)	86,000 (25.2)	103,000 (30.2)	123,000 (36.0)
	Rated Input	kW	4.69	6.20	7.70	9.20
	Rated Current	A	8.4	11.1	13.8	16.4
Heating	Rated Capacity	Btu/hr (kW)	85,300 (25.0)	107,500 (31.5)	128,000 (37.5)	153,500 (45.0)
	Rated Input	kW	4.55	5.90	7.80	9.50
	Rated Current	A	8.1	10.5	13.9	17.0
Min. Circuit/Max. Fuse Current		A	23.0/25	23.5/25	24.1/25	32.5/40
Compressor Configuration		-	1 x DC	1 x DC	1 x DC	2 x DC
Fan	Air Flow Rate	m³/h	9,750	10,500	11,100	13,500
		CFM	5,738	6,179	6,532	7,945
Sound Pressure Level		dB(A)	56	57	59	59
Dimension (WxDxH)	Unit	mm	930 x 775 x 1690	930 x 775 x 1690	930 x 775 x 1690	1340 x 775 x 1690
	Packing	mm	1000 x 830 x 1855	1000 x 830 x 1855	1000 x 830 x 1855	1400 x 830 x 1855
Weight	Net/Gross	kg	215/225	215/225	220/230	290/305
Refrigerant Charge		kg	5.5	5.5	5.7	7.0
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")
	Gas	mm (in)	19.05 (3/4")	22.2 (7/8")	25.4 (1")	25.4 (1")

Model		Unit	FVI-L160KE-E21G	FVI-L180KE-E21G	FVI-L200KE-E21G	FVI-L220KE-E21G	FVI-L240KE-E21G
Rating Capacity		HP	16	18	20	22	24
Power Supply		V~Ph~Hz	380-415~3~50/60				
Cooling	Rated Capacity (T1)	Btu/hr (kW)	153,500 (45.0)	172,000 (50.4)	191,100 (56.0)	209,800 (61.5)	232,000 (68.0)
	Rated Capacity (T3)	Btu/hr (kW)	138,200 (40.5)	154,900 (45.4)	172,000 (50.4)	189,000 (55.4)	208,800 (61.2)
	Rated Input	kW	10.80	12.30	13.80	16.20	20.50
	Rated Current	A	19.3	22.0	24.7	29.0	36.6
Heating	Rated Capacity	Btu/hr (kW)	170,600 (50.0)	192,800 (56.5)	215,000 (63.0)	235,400 (69.0)	261,000 (76.5)
	Rated Input	kW	10.70	12.90	14.52	16.90	20.10
	Rated Current	A	19.1	23.1	25.6	30.2	35.9
Min. Circuit/Max. Fuse Current		A	33.5/40	47.0/50	48.0/50	49.0/50	49.0/50
Compressor Configuration		-	2 x DC	2 x DC	2 x DC	2 x DC	2 x DC
Fan	Air Flow Rate	m³/h	15,400	16,000	16,500	16,500	18,350
		CFM	9,063	9,416	9,710	9,710	10,799
Sound Pressure Level		dB(A)	60	61	62	63	64
Dimension (WxDxH)	Unit	mm	1340 x 775 x 1690	1340 x 775 x 1690	1340 x 775 x 1690	1340 x 775 x 1690	1340 x 775 x 1690
	Packing	mm	1400 x 830 x 1855	1400 x 830 x 1855	1400 x 830 x 1855	1400 x 830 x 1855	1400 x 830 x 1855
Weight	Net/Gross	kg	290/305	295/310	350/365	350/365	355/370
Refrigerant Charge		kg	7.5	8.0	8.0	8.3	8.3
Connecting Pipe	Liquid	mm (in)	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
	Gas	mm (in)	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")

Note:

* DC : DC inverter compressor

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection piping length of 5m, no height difference between units.

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.

FVI-KE Series Specifications Outdoor Units Combination

Model	Power Supply (V~Ph~Hz)	Capacity		Power Input		Dimension (WxDxH)	Air Flow Volume	Connecting Pipe Diameter		Net Weight
		Cooling	Heating	Cooling	Heating			Liquid	Gas	
		kW	kW	kW	kW	mm	m³/h	mm	mm	kg
FVI-L080KE-E21G	380-415~3~50/60	22.4	25.0	4.69	4.55	930 x 775 x 1690	9,750	ø9.52	ø19.05	215
FVI-L100KE-E21G	380-415~3~50/60	28.0	31.5	6.20	5.90	930 x 775 x 1690	10,500	ø9.52	ø22.2	215
FVI-L120KE-E21G	380-415~3~50/60	33.5	37.5	7.70	7.80	930 x 775 x 1690	11,100	ø12.7	ø25.4	220
FVI-L140KE-E21G	380-415~3~50/60	40.0	45.0	9.20	9.50	1340 x 775 x 1690	13,500	ø12.7	ø25.4	290
FVI-L160KE-E21G	380-415~3~50/60	45.0	50.0	10.80	10.70	1340 x 775 x 1690	15,400	ø12.7	ø28.6	290
FVI-L180KE-E21G	380-415~3~50/60	50.4	56.5	12.30	12.90	1340 x 775 x 1690	16,000	ø15.9	ø28.6	295
FVI-L200KE-E21G	380-415~3~50/60	56.0	63.0	13.80	14.52	1340 x 775 x 1690	16,500	ø15.9	ø28.6	350
FVI-L220KE-E21G	380-415~3~50/60	61.5	69.0	16.20	16.90	1340 x 775 x 1690	16,500	ø15.9	ø28.6	350
FVI-L240KE-E21G	380-415~3~50/60	68.0	76.5	20.50	20.10	1340 x 775 x 1690	18,350	ø15.9	ø28.6	355
FVI-L260KE-E21G	380-415~3~50/60	73.5	82.5	16.90	17.30	930 x 775 x 1690 + 1340 x 775 x 1690	11,100 + 13,500	ø19.05	ø31.8	220 + 290
FVI-L280KE-E21G	380-415~3~50/60	78.5	87.5	18.50	18.50	930 x 775 x 1690 + 1340 x 775 x 1690	11,100 + 15,400	ø19.05	ø31.8	220 + 290
FVI-L300KE-E21G	380-415~3~50/60	83.9	94.0	20.00	20.70	930 x 775 x 1690 + 1340 x 775 x 1690	11,100 + 16,000	ø19.05	ø31.8	220 + 295
FVI-L320KE-E21G	380-415~3~50/60	89.5	100.5	22.40	22.80	930 x 775 x 1690 + 1340 x 775 x 1690	10,500 + 16,500	ø19.05	ø31.8	215 + 350
FVI-L340KE-E21G	380-415~3~50/60	95.0	106.5	23.90	24.70	930 x 775 x 1690 + 1340 x 775 x 1690	11,100 + 16,500	ø19.05	ø31.8	220 + 350
FVI-L360KE-E21G	380-415~3~50/60	101.5	114.0	25.40	26.40	1340 x 775 x 1690 + 1340 x 775 x 1690	13,500 + 16,500	ø19.05	ø38.1	290 + 350
FVI-L380KE-E21G	380-415~3~50/60	106.4	119.5	26.10	27.42	1340 x 775 x 1690 + 1340 x 775 x 1690	16,000 + 16,500	ø19.05	ø38.1	295 + 350
FVI-L400KE-E21G	380-415~3~50/60	111.9	125.5	28.50	29.80	1340 x 775 x 1690 + 1340 x 775 x 1690	16,000 + 16,500	ø19.05	ø38.1	295 + 350
FVI-L420KE-E21G	380-415~3~50/60	117.5	132.0	30.00	31.42	1340 x 775 x 1690 + 1340 x 775 x 1690	16,500 + 16,500	ø19.05	ø38.1	350 + 350
FVI-L440KE-E21G	380-415~3~50/60	123.0	138.0	32.40	33.80	1340 x 775 x 1690 + 1340 x 775 x 1690	16,500 + 16,500	ø19.05	ø38.1	350 + 350
FVI-L460KE-E21G	380-415~3~50/60	129.5	145.5	36.70	37.00	1340 x 775 x 1690 + 1340 x 775 x 1690	16,500 + 18,350	ø19.05	ø38.1	350 + 355
FVI-L480KE-E21G	380-415~3~50/60	136.0	153.0	41.00	40.20	1340 x 775 x 1690 + 1340 x 775 x 1690	18,350 + 18,350	ø19.05	ø41.3	355 + 355
FVI-L500KE-E21G	380-415~3~50/60	139.9	157.0	33.80	35.22	930 x 775 x 1690 + (1340 x 775 x 1690) x 2	11,100 + 16,000 + 16,500	ø19.05	ø41.3	220 + 295 + 350
FVI-L520KE-E21G	380-415~3~50/60	145.5	163.5	36.20	37.32	930 x 775 x 1690 + (1340 x 775 x 1690) x 2	10,500 + 16,500 x 2	ø19.05	ø41.3	215 + 350 x 2
FVI-L540KE-E21G	380-415~3~50/60	151.0	169.5	38.60	39.70	930 x 775 x 1690 + (1340 x 775 x 1690) x 2	10,500 + 16,500 x 2	ø19.05	ø41.3	215 + 350 x 2
FVI-L560KE-E21G	380-415~3~50/60	156.5	175.5	40.10	41.60	930 x 775 x 1690 + (1340 x 775 x 1690) x 2	11,100 + 16,500 x 2	ø19.05	ø41.3	220 + 350 x 2
FVI-L580KE-E21G	380-415~3~50/60	162.3	182.0	40.80	42.70	(1340 x 775 x 1690) x 3	16,000 x 2 + 16,500	ø19.05	ø41.3	295 x 2 + 350
FVI-L600KE-E21G	380-415~3~50/60	167.9	188.5	42.30	44.32	(1340 x 775 x 1690) x 3	16,000 + 16,500 x 2	ø19.05	ø41.3	295 + 350 x 2
FVI-L620KE-E21G	380-415~3~50/60	173.4	194.5	44.70	46.70	(1340 x 775 x 1690) x 3	16,000 + 16,500 x 2	ø19.05	ø41.3	295 + 350 x 2
FVI-L640KE-E21G	380-415~3~50/60	179.0	201.0	46.20	48.32	(1340 x 775 x 1690) x 3	16,500 x 3	ø19.05	ø41.3	350 x 3
FVI-L660KE-E21G	380-415~3~50/60	184.5	207.0	48.60	50.70	(1340 x 775 x 1690) x 3	16,500 x 3	ø19.05	ø41.3	350 x 3
FVI-L680KE-E21G	380-415~3~50/60	191.0	214.5	52.90	53.90	(1340 x 775 x 1690) x 3	16,500 x 2 + 18,350	ø22.2	ø44.5	350 x 2 + 355
FVI-L700KE-E21G	380-415~3~50/60	197.5	222.0	57.20	57.10	(1340 x 775 x 1690) x 3	16,500 + 18,350 x 2	ø22.2	ø44.5	350 + 355 x 2
FVI-L720KE-E21G	380-415~3~50/60	204.0	229.5	61.50	60.30	(1340 x 775 x 1690) x 3	18,350 x 3	ø22.2	ø44.5	355 x 3
FVI-L740KE-E21G	380-415~3~50/60	206.9	232.0	52.40	54.50	930 x 775 x 1690 + (1340 x 775 x 1690) x 3	11,100 + 16,000 + 16,500 x 2	ø22.2	ø44.5	220 + 295 + 350 x 2
FVI-L760KE-E21G	380-415~3~50/60	212.9	238.5	53.10	55.02	(1340 x 775 x 1690) x 4	15,400 + 16,000 + 16,500 x 2	ø22.2	ø44.5	290 + 295 + 350 x 2
FVI-L780KE-E21G	380-415~3~50/60	219.0	246.0	55.40	57.82	(1340 x 775 x 1690) x 4	13,500 + 16,500 x 3	ø22.2	ø44.5	290 + 350 x 3
FVI-L800KE-E21G	380-415~3~50/60	224.5	252.0	57.80	60.20	(1340 x 775 x 1690) x 4	13,500 + 16,500 x 3	ø22.2	ø44.5	290 + 350 x 3
FVI-L820KE-E21G	380-415~3~50/60	229.5	258.0	57.60	60.46	(1340 x 775 x 1690) x 4	16,500 x 4	ø22.2	ø44.5	350 x 4
FVI-L840KE-E21G	380-415~3~50/60	235.0	264.0	60.00	62.84	(1340 x 775 x 1690) x 4	16,500 x 4	ø22.2	ø44.5	350 x 4
FVI-L860KE-E21G	380-415~3~50/60	241.4	271.0	65.20	66.80	(1340 x 775 x 1690) x 4	16,000 + 16,500 x 2 + 18,350	ø22.2	ø44.5	295 + 350 x 3
FVI-L880KE-E21G	380-415~3~50/60	247.0	277.5	66.70	68.42	(1340 x 775 x 1690) x 4	16,500 x 3 + 18,350	ø22.2	ø44.5	350 x 3 + 355
FVI-L900KE-E21G	380-415~3~50/60	252.5	283.5	69.10	70.80	(1340 x 775 x 1690) x 4	16,500 x 3 + 18,350	ø22.2	ø44.5	350 x 3 + 355
FVI-L920KE-E21G	380-415~3~50/60	259.0	291.0	73.40	74.00	(1340 x 775 x 1690) x 4	16,500 x 2 + 18,350 x 2	ø22.2	ø44.5	350 x 2 + 355 x 2
FVI-L940KE-E21G	380-415~3~50/60	265.5	298.5	77.70	77.20	(1340 x 775 x 1690) x 4	16,500 + 18,350 x 3	ø22.2	ø44.5	350 + 355 x 3
FVI-L960KE-E21G	380-415~3~50/60	272.0	306.0	82.00	80.40	(1340 x 775 x 1690) x 4	18,350 x 4	ø22.2	ø44.5	355 x 4

Note:

1.All specifications are subjective to change by manufacturer without prior notice.



FVI-ME SERIES



Key Features

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

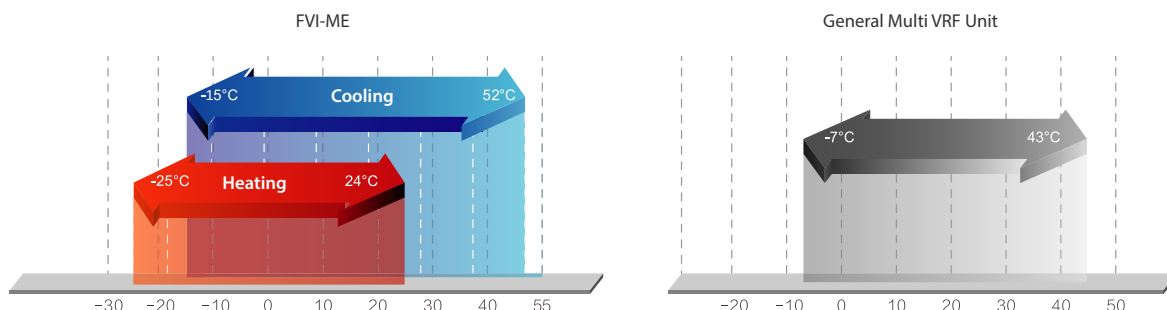
Wide Capacity Range

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



Wide Operation Range

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

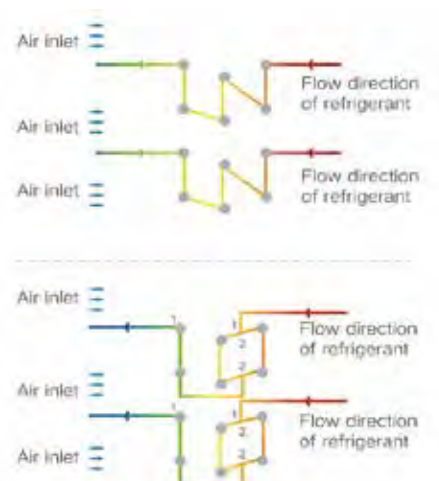


Note:

1. As different series have different operating ranges, please refer to the corresponding technical information.
2. Cooling at -15°C ~ 5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.

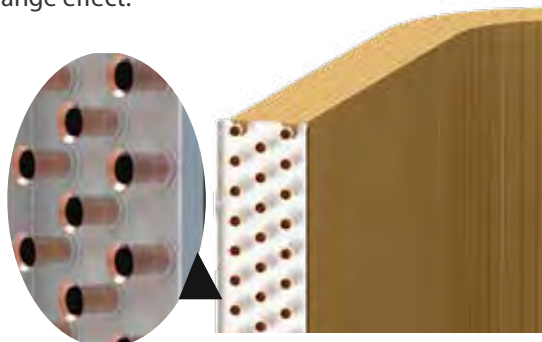
Super-large High-efficiency Heat Exchanger Design

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



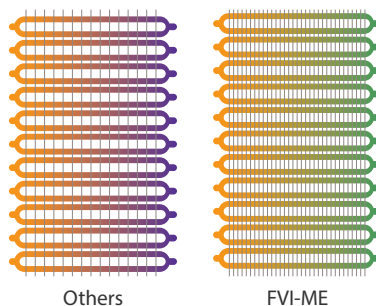
Multi-row Small Diameter Design

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



Small Pitch Corrugated Heat Exchanger Fins

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



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.



Ultra-large Displacement Compressor Design

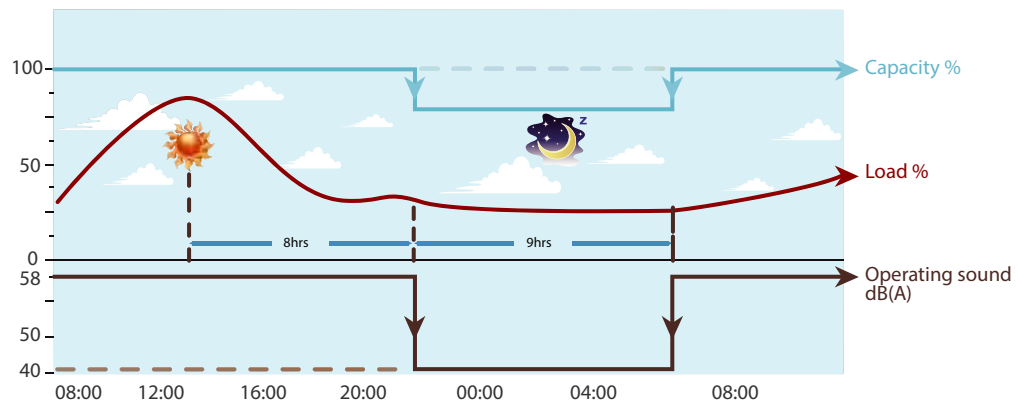
Some units use the combination of a large-capacity compressor and a small-capacity compressor, which greatly improves the adjustment accuracy comparing with two compressors of the same capacity.



Noise Control Technology

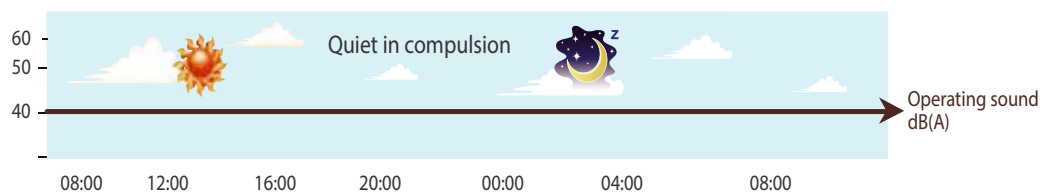
Quiet at Night

The system can record the highest outdoor temperature. At night, the system will automatically turn to quiet mode. There are 9 quiet modes which can be set according to actual needs. For example, the unit can automatically enter night mode after working for 8 hours, and resume to normal operating mode after 9 hours.



Quiet in Compulsion

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





Specifications & Parameter of Outdoor Unit

Outdoor Units Lineup

No.	Model	Rated Capacity			Heating		Description	ODU Combination (HP)
		HP	kW	Btu/hr	kW	Btu/hr		
1	FVI-L080ME-E21G	8	22.4	76,400	25.0	85,300	BASIC MODULE ODU	8
2	FVI-L100ME-E21G	10	28.0	95,500	31.5	107,500		10
3	FVI-L120ME-E21G	12	33.5	114,300	37.5	128,000		12
4	FVI-L140ME-E21G	14	40.0	136,500	45.0	153,500		14
5	FVI-L160ME-E21G	16	45.0	153,500	50.0	170,600		16
6	FVI-L180ME-E21G	18	50.4	172,000	56.5	192,800		18
7	FVI-L200ME-E21G	20	56.0	191,100	63.0	215,000		20
8	FVI-L220ME-E21G	22	61.5	209,800	69.0	235,400		22
9	FVI-L240ME-E21G	24	68.0	232,000	76.0	259,300		24
10	FVI-L260ME-E21G	26	73.0	249,100	82.5	281,500		26
11	FVI-L280ME-E21G	28	78.5	267,800	87.5	298,600		28
12	FVI-L300ME-E21G	30	85.0	290,000	95.0	324,100		30
13	FVI-L320ME-E21G	32	90.0	307,100	100.0	341,200		32
14	FVI-L340ME-E21G	34	92.2	324,800	106.0	361,700		34
15	FVI-L360ME-E21G	36	101.0	344,600	112.0	382,100		36
16	FVI-L380ME-E21G	38	106.5	363,300	119.0	406,000	2 MODULAR ODU	16 + 22
17	FVI-L400ME-E21G	40	111.9	381,800	125.5	428,200		18 + 22
18	FVI-L420ME-E21G	42	118.4	404,000	132.5	452,100		18 + 24
19	FVI-L440ME-E21G	44	123.0	419,600	138.0	470,800		22 + 22
20	FVI-L460ME-E21G	46	129.5	441,800	145.0	494,700		22 + 24
21	FVI-L480ME-E21G	48	136.0	464,000	152.0	518,600		24 + 24
22	FVI-L500ME-E21G	50	141.0	481,100	158.0	539,100		20 + 30
23	FVI-L520ME-E21G	52	146.5	499,800	164.0	559,500		22 + 30
24	FVI-L540ME-E21G	54	153.0	522,000	171.0	583,400		24 + 30
25	FVI-L560ME-E21G	56	158.0	539,100	176.0	600,500		24 + 32
26	FVI-L580ME-E21G	58	163.5	557,800	182.5	622,700		28 + 30
27	FVI-L600ME-E21G	60	170.0	580,000	190.0	648,200		30 + 30
28	FVI-L620ME-E21G	62	175.0	597,100	195.0	665,300		30 + 32
29	FVI-L640ME-E21G	64	179.5	612,400	199.5	680,700		28 + 36
30	FVI-L660ME-E21G	66	186.0	634,600	207.0	706,200		30 + 36
31	FVI-L680ME-E21G	68	191.0	651,700	212.0	723,300		32 + 36
32	FVI-L700ME-E21G	70	193.2	669,400	218.0	743,800		34 + 36
33	FVI-L720ME-E21G	72	202.0	689,200	224.0	764,200		36 + 36
34	FVI-L740ME-E21G	74	208.0	709,600	233.0	794,900	3 MODULAR ODU	22 + 22 + 30
35	FVI-L760ME-E21G	76	214.5	731,800	240.0	818,800		22 + 24 + 30
36	FVI-L780ME-E21G	78	221.0	754,000	247.0	842,700		24 + 24 + 30
37	FVI-L800ME-E21G	80	224.0	764,200	250.0	852,900		22 + 22 + 36
38	FVI-L820ME-E21G	82	228.2	788,800	258.0	880,300		24 + 24 + 34
39	FVI-L840ME-E21G	84	237.0	808,600	264.0	900,700		24 + 24 + 36
40	FVI-L860ME-E21G	86	243.0	829,100	271.0	924,600		24 + 30 + 32
41	FVI-L880ME-E21G	88	248.0	846,200	276.0	941,700		24 + 32 + 32
42	FVI-L900ME-E21G	90	250.2	863,900	282.0	962,200		24 + 32 + 34
43	FVI-L920ME-E21G	92	252.4	881,600	288.0	982,700		24 + 34 + 34
44	FVI-L940ME-E21G	94	261.2	901,400	294.0	1,003,100		24 + 34 + 36
45	FVI-L960ME-E21G	96	270.0	921,200	300.0	1,023,500		24 + 36 + 36
46	FVI-L980ME-E21G	98	269.4	939,600	307.0	1,047,500		30 + 34 + 34
47	FVI-L1000ME-E21G	100	278.2	959,400	313.0	1,067,900		30 + 34 + 36
48	FVI-L1020ME-E21G	102	287.0	979,200	319.0	1,088,300		30 + 36 + 36
49	FVI-L1040ME-E21G	104	292.0	996,300	324.0	1,105,400	4 MODULAR ODU	32 + 36 + 36
50	FVI-L1060ME-E21G	106	294.2	1,014,000	330.0	1,125,900		34 + 36 + 36
51	FVI-L1080ME-E21G	108	303.0	1,033,800	336.0	1,146,300		36 + 36 + 36
52	FVI-L1100ME-E21G	110	311.0	1,061,100	347.0	1,183,900		24 + 24 + 30 + 32
53	FVI-L1120ME-E21G	112	316.0	1,078,200	352.0	1,201,000		24 + 24 + 32 + 32
54	FVI-L1140ME-E21G	114	319.5	1,090,100	356.0	1,214,600		20 + 22 + 36 + 36
55	FVI-L1160ME-E21G	116	325.0	1,108,800	362.0	1,235,000		22 + 22 + 36 + 36
56	FVI-L1180ME-E21G	118	331.5	1,131,000	369.0	1,258,900		22 + 24 + 36 + 36
57	FVI-L1200ME-E21G	120	338.0	1,153,200	376.0	1,282,800		24 + 24 + 36 + 36
58	FVI-L1220ME-E21G	122	343.0	1,170,400	382.5	1,305,100		26 + 32 + 32 + 32
59	FVI-L1240ME-E21G	124	348.5	1,189,100	387.5	1,322,200		28 + 32 + 32 + 32
60	FVI-L1260ME-E21G	126	355.0	1,211,300	395.0	1,347,700		30 + 32 + 32 + 32
61	FVI-L1280ME-E21G	128	360.0	1,228,400	400.0	1,364,800		32 + 32 + 32 + 32

Specifications & Parameter of Outdoor Unit

FVI-ME Series Specifications Outdoor Units

Model		Unit	FVI-L080ME-E21G	FVI-L100ME-E21G	FVI-L120ME-E21G	FVI-L140ME-E21G	FVI-L160ME-E21G
Rating Capacity		HP	8	10	12	14	16
Power Supply		V~Ph~Hz	380-415~3~50/60				
Cooling	Rated Capacity	Btu/hr (kW)	76,400 (22.4)	95,500 (28.0)	114,300 (33.5)	136,500 (40.0)	153,500 (45.0)
	Rated Input	kW	4.92	6.51	8.09	9.66	11.34
	Rated Current	A	8.8	11.6	14.5	17.3	20.3
	EER	W/W	4.55	4.30	4.14	4.14	3.97
Heating	Rated Capacity	Btu/hr (kW)	85,300 (25.0)	107,500 (31.5)	128,000 (37.5)	153,500 (45.0)	170,600 (50.0)
	Rated Input	kW	4.78	6.20	8.19	9.98	11.24
	Rated Current	A	8.5	11.1	14.6	17.8	20.1
	COP	W/W	5.23	5.08	4.58	4.51	4.45
Min. Circuit/Max. Fuse Current		A	19.9/20.0	22.4/25.0	23.3/25.0	28.8/32.0	31.0/32.0
Compressor Configuration		-	1 x DC	1 x DC	1 x DC	1 x DC	1 x DC
Fan	Air Flow Rate	m³/h	9,750	10,500	11,100	13,500	15,400
		CFM	5,738	6,179	6,532	7,945	9,063
Sound Pressure Level		dB(A)	58	59	61	61	62
Dimension (WxDxH)	Unit	mm	930 x 775 x 1690	930 x 775 x 1690	930 x 775 x 1690	1340 x 775 x 1690	1340 x 775 x 1690
	Packing	mm	1000 x 830 x 1855	1000 x 830 x 1855	1000 x 830 x 1855	1400 x 830 x 1855	1400 x 830 x 1855
Weight	Net/Gross	kg	210/220	210/220	215/225	280/295	280/295
Refrigerant Charge		kg	5.0	5.0	5.2	6.5	7.0
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
	Gas	mm (in)	19.05 (3/4")	22.2 (7/8")	25.4 (1")	25.4 (1")	28.6 (1-1/8")

Model		Unit	FVI-L180ME-E21G	FVI-L200ME-E21G	FVI-L220ME-E21G	FVI-L240ME-E21G	FVI-L260ME-E21G
Rating Capacity		HP	18	20	22	24	26
Power Supply		V~Ph~Hz	380-415~3~50/60				
Cooling	Rated Capacity	Btu/hr (kW)	172,000 (50.4)	191,100 (56.0)	209,800 (61.5)	232,000 (68.0)	249,100 (73.0)
	Rated Input	kW	12.92	14.49	17.01	20.50	21.50
	Rated Current	A	23.1	25.9	30.4	36.6	38.4
	EER	W/W	3.90	3.86	3.62	3.32	3.40
Heating	Rated Capacity	Btu/hr (kW)	192,800 (56.5)	215,000 (63.0)	235,400 (69.0)	259,300 (76.0)	281,500 (82.5)
	Rated Input	kW	13.55	15.25	17.75	21.11	21.80
	Rated Current	A	24.2	27.3	31.7	37.7	39.0
	COP	W/W	4.17	4.13	3.89	3.60	3.78
Min. Circuit/Max. Fuse Current		A	31.5/40.0	39.3/40	46.1/50.0	46.1/50.0	49.3/63.0
Compressor Configuration		-	1 x DC	1 x DC	1 x DC	1 x DC	2 x DC
Fan	Air Flow Rate	m³/h	16,000	16,500	16,500	16,500	26,000
		CFM	9,416	9,710	9,710	9,710	15,301
Sound Pressure Level		dB(A)	63	64	65	66	66
Dimension (WxDxH)	Unit	mm	1340 x 775 x 1690	1340 x 775 x 1690	1340 x 775 x 1690	1340 x 775 x 1690	1760 x 835 x 1795
	Packing	mm	1400 x 830 x 1855	1400 x 830 x 1855	1400 x 830 x 1855	1400 x 830 x 1855	1828 x 913 x 1986
Weight	Net/Gross	kg	285/300	325/340	325/340	325/340	425/450
Refrigerant Charge		kg	7.5	7.5	7.8	7.8	11.0
Connecting Pipe	Liquid	mm (in)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	19.05 (3/4")
	Gas	mm (in)	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")	31.8 (1-1/4")

* DC : DC inverter compressor



Model		Unit	FVI-L280ME-E21G	FVI-L300ME-E21G	FVI-L320ME-E21G	FVI-L340ME-E21G	FVI-L360ME-E21G
Rating Capacity		HP	28	30	32	34	36
Power Supply		V~Ph~Hz	380-415~3~50/60				
Cooling	Rated Capacity	Btu/hr (kW)	267,800 (78.5)	290,000 (85.0)	307,100 (90.0)	324,800 (95.2)	344,600 (101.0)
	Rated Input	kW	24.00	26.60	28.70	30.90	33.60
	Rated Current	A	42.9	47.5	51.3	55.2	60.1
	EER	W/W	3.27	3.20	3.14	3.08	3.01
Heating	Rated Capacity	Btu/hr (kW)	298,600 (87.5)	324,100 (95.0)	341,200 (100.0)	361,700 (106.0)	382,100 (112.0)
	Rated Input	kW	24.30	27.00	29.50	31.60	33.60
	Rated Current	A	43.4	48.3	52.7	56.5	61.1
	COP	W/W	3.60	3.52	3.39	3.35	3.33
Min. Circuit/Max. Fuse Current		A	52.2/63.0	57.2/63.0	58.7/63.0	60.1/63.0	61.8/63.0
Compressor Configuration		-	2 x DC	2 x DC	2 x DC	2 x DC	2 x DC
Fan	Air Flow Rate	m³/h	26,000	26,000	28,000	28,000	28,000
		CFM	15,301	15,301	16,478	16,478	16,478
Sound Pressure Level		dB(A)	67	67	68	68	69
Dimension (WxDxH)	Unit	mm	1760 x 835 x 1795	1760 x 835 x 1795	1760 x 835 x 1795	1760 x 835 x 1795	1760 x 835 x 1795
	Packing	mm	1828 x 913 x 1986	1828 x 913 x 1986	1828 x 913 x 1986	1828 x 913 x 1986	1828 x 913 x 1986
Weight	Net/Gross	kg	425/450	425/450	455/480	455/480	455/480
Refrigerant Charge		kg	11.0	11.0	12.0	12.0	12.0
Connecting Pipe	Liquid	mm (in)	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")
	Gas	mm (in)	31.8 (1-1/4")	31.8 (1-1/4")	31.8 (1-1/4")	31.8 (1-1/4")	38.1 (1-1/2")

* DC : DC inverter compressor

Note:

1. Nominal cooling & heating capacities are based on the following conditions:
T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Equivalent piping length of 7.5m, no height difference between units.
2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.
3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity with long connection pipe.
4. For the model of FVI-L260ME~360ME-E21G, customized engineering service is needed if the outdoor static pressure is more than 0Pa.
5. All specifications are subjective to change by manufacturer without prior notice.

Specifications & Parameter of Outdoor Unit

FVI-ME Series Specifications Outdoor Units Combination

Model	Power Supply (V~Ph~Hz)	Capacity		Power Input		Dimension (WxDxH)	Air Flow Volume	Connecting Pipe Diameter		Net Weight
		Cooling	Heating	Cooling	Heating			Liquid	Gas	
		kW	kW	kW	kW	mm	m³/h	mm	mm	kg
FVI-L380ME-E21G	380-415~3~50/60	106.5	119.0	28.35	28.99	1340 x 775 x 1690 + 1340 x 775 x 1690	15,400 + 16,500	ø19.05	ø38.1	280 + 325
FVI-L400ME-E21G	380-415~3~50/60	111.9	125.5	29.93	31.30	1340 x 775 x 1690 + 1340 x 775 x 1690	16,000 + 16,500	ø19.05	ø38.1	285 + 325
FVI-L420ME-E21G	380-415~3~50/60	118.4	132.5	33.42	34.77	1340 x 775 x 1690 + 1340 x 775 x 1690	16,000 + 16,500	ø19.05	ø38.1	285 + 325
FVI-L440ME-E21G	380-415~3~50/60	123.0	138.0	34.02	35.50	1340 x 775 x 1690 + 1340 x 775 x 1690	16,500 + 16,500	ø19.05	ø38.1	325 + 325
FVI-L460ME-E21G	380-415~3~50/60	129.5	145.0	37.51	38.97	1340 x 775 x 1690 + 1340 x 775 x 1690	16,500 + 16,500	ø19.05	ø38.1	325 + 325
FVI-L480ME-E21G	380-415~3~50/60	136.0	152.0	41.00	42.44	1340 x 775 x 1690 + 1340 x 775 x 1690	16,500 + 16,500	ø19.05	ø38.1	325 + 325
FVI-L500ME-E21G	380-415~3~50/60	141.0	158.0	41.09	42.25	1340 x 775 x 1690 + 1760 x 835 x 1795	16,500 + 26,000	ø19.05	ø41.3	325 + 425
FVI-L520ME-E21G	380-415~3~50/60	146.5	164.0	43.61	44.75	1340 x 775 x 1690 + 1760 x 835 x 1795	16,500 + 26,000	ø19.05	ø41.3	325 + 425
FVI-L540ME-E21G	380-415~3~50/60	153.0	171.0	47.10	48.22	1340 x 775 x 1690 + 1760 x 835 x 1795	16,500 + 26,000	ø19.05	ø41.3	325 + 425
FVI-L560ME-E21G	380-415~3~50/60	158.0	176.0	49.20	50.72	1340 x 775 x 1690 + 1760 x 835 x 1795	16,500 + 28,000	ø19.05	ø41.3	325 + 455
FVI-L580ME-E21G	380-415~3~50/60	163.5	182.5	50.60	51.30	1760 x 835 x 1795 + 1760 x 835 x 1795	26,000 + 26,000	ø19.05	ø41.3	425 + 425
FVI-L600ME-E21G	380-415~3~50/60	170.0	190.0	53.20	54.00	1760 x 835 x 1795 + 1760 x 835 x 1795	26,000 + 26,000	ø19.05	ø41.3	425 + 425
FVI-L620ME-E21G	380-415~3~50/60	175.0	195.0	55.30	56.50	1760 x 835 x 1795 + 1760 x 835 x 1795	26,000 + 28,000	ø19.05	ø41.3	425 + 455
FVI-L640ME-E21G	380-415~3~50/60	179.5	199.5	57.60	58.50	1760 x 835 x 1795 + 1760 x 835 x 1795	26,000 + 28,000	ø19.05	ø41.3	425 + 455
FVI-L660ME-E21G	380-415~3~50/60	186.0	207.0	60.20	61.20	1760 x 835 x 1795 + 1760 x 835 x 1795	26,000 + 28,000	ø19.05	ø41.3	425 + 455
FVI-L680ME-E21G	380-415~3~50/60	191.0	212.0	62.30	63.70	1760 x 835 x 1795 + 1760 x 835 x 1795	28,000 + 28,000	ø22.2	ø44.5	455 + 455
FVI-L700ME-E21G	380-415~3~50/60	193.2	218.0	64.50	65.80	1760 x 835 x 1795 + 1760 x 835 x 1795	28,000 + 28,000	ø22.2	ø44.5	455 + 455
FVI-L720ME-E21G	380-415~3~50/60	202.0	224.0	67.20	68.40	1760 x 835 x 1795 + 1760 x 835 x 1795	28,000 + 28,000	ø22.2	ø44.5	455 + 455
FVI-L740ME-E21G	380-415~3~50/60	208.0	233.0	60.62	62.50	(1340 x 775 x 1690) x 2 + 1760 x 835 x 1795	16,500 x 2 + 26,000	ø22.2	ø44.5	325 x 2 + 425
FVI-L760ME-E21G	380-415~3~50/60	214.5	240.0	64.11	65.97	(1340 x 775 x 1690) x 2 + 1760 x 835 x 1795	16,500 x 2 + 26,000	ø22.2	ø44.5	325 x 2 + 425
FVI-L780ME-E21G	380-415~3~50/60	221.0	247.0	67.60	69.44	(1340 x 775 x 1690) x 2 + 1760 x 835 x 1795	16,500 x 2 + 26,000	ø22.2	ø44.5	325 x 2 + 425
FVI-L800ME-E21G	380-415~3~50/60	224.0	250.0	67.62	69.70	(1340 x 775 x 1690) x 2 + 1760 x 835 x 1795	16,500 x 2 + 28,000	ø22.2	ø44.5	325 x 2 + 455
FVI-L820ME-E21G	380-415~3~50/60	228.2	258.0	71.90	74.04	(1340 x 775 x 1690) x 2 + 1760 x 835 x 1795	16,500 x 2 + 28,000	ø22.2	ø44.5	325 x 2 + 455
FVI-L840ME-E21G	380-415~3~50/60	237.0	264.0	74.60	76.64	(1340 x 775 x 1690) x 2 + 1760 x 835 x 1795	16,500 x 2 + 28,000	ø22.2	ø44.5	325 x 2 + 455
FVI-L860ME-E21G	380-415~3~50/60	243.0	271.0	75.80	77.72	1340 x 775 x 1690 + (1760 x 835 x 1795) x 2	16,500 + 26,000 + 28,000	ø22.2	ø44.5	325 + 425 + 455
FVI-L880ME-E21G	380-415~3~50/60	248.0	276.0	77.90	80.22	1340 x 775 x 1690 + (1760 x 835 x 1795) x 2	16,500 + 28,000 x 2	ø22.2	ø44.5	325 + 455 x 2
FVI-L900ME-E21G	380-415~3~50/60	250.2	282.0	80.10	82.32	1340 x 775 x 1690 + (1760 x 835 x 1795) x 2	16,500 + 28,000 x 2	ø22.2	ø44.5	325 + 455 x 2
FVI-L920ME-E21G	380-415~3~50/60	252.4	288.0	82.30	84.42	1340 x 775 x 1690 + (1760 x 835 x 1795) x 2	16,500 + 28,000 x 2	ø22.2	ø44.5	325 + 455 x 2
FVI-L940ME-E21G	380-415~3~50/60	261.2	294.0	85.00	87.02	1340 x 775 x 1690 + (1760 x 835 x 1795) x 2	16,500 + 28,000 x 2	ø22.2	ø44.5	325 + 455 x 2
FVI-L960ME-E21G	380-415~3~50/60	270.0	300.0	87.70	89.62	1340 x 775 x 1690 + (1760 x 835 x 1795) x 2	16,500 + 28,000 x 2	ø22.2	ø44.5	325 + 455 x 2
FVI-L980ME-E21G	380-415~3~50/60	269.4	307.0	88.40	90.20	(1760 x 835 x 1795) x 3	26,000 + 28,000 x 2	ø25.4	ø51.4	425 + 455 x 2
FVI-L1000ME-E21G	380-415~3~50/60	278.2	313.0	91.10	92.80	(1760 x 835 x 1795) x 3	26,000 + 28,000 x 2	ø25.4	ø51.4	425 + 455 x 2
FVI-L1020ME-E21G	380-415~3~50/60	287.0	319.0	93.80	95.40	(1760 x 835 x 1795) x 3	26,000 + 28,000 x 2	ø25.4	ø51.4	425 + 455 x 2
FVI-L1040ME-E21G	380-415~3~50/60	292.0	324.0	95.90	97.90	(1760 x 835 x 1795) x 3	28,000 x 3	ø25.4	ø51.4	455 x 3
FVI-L1060ME-E21G	380-415~3~50/60	294.2	330.0	98.10	100.00	(1760 x 835 x 1795) x 3	28,000 x 3	ø25.4	ø51.4	455 x 3
FVI-L1080ME-E21G	380-415~3~50/60	303.0	336.0	100.80	102.60	(1760 x 835 x 1795) x 3	28,000 x 3	ø25.4	ø51.4	455 x 3
FVI-L1100ME-E21G	380-415~3~50/60	311.0	347.0	96.30	98.94	(1340 x 775 x 1690) x 2 + (1760 x 835 x 1795) x 2	16,500 x 2 + 26,000 + 28,000	ø25.4	ø51.4	325 x 2 + 425 + 455
FVI-L1120ME-E21G	380-415~3~50/60	316.0	352.0	98.40	101.44	(1340 x 775 x 1690) x 2 + (1760 x 835 x 1795) x 2	16,500 x 2 + 28,000 x 2	ø25.4	ø51.4	325 x 2 + 455 x 2
FVI-L1140ME-E21G	380-415~3~50/60	319.5	356.0	98.70	101.40	(1340 x 775 x 1690) x 2 + (1760 x 835 x 1795) x 2	16,500 x 2 + 28,000 x 2	ø25.4	ø51.4	325 x 2 + 455 x 2
FVI-L1160ME-E21G	380-415~3~50/60	325.0	362.0	101.22	103.90	(1340 x 775 x 1690) x 2 + (1760 x 835 x 1795) x 2	16,500 x 2 + 28,000 x 2	ø25.4	ø51.4	325 x 2 + 455 x 2
FVI-L1180ME-E21G	380-415~3~50/60	331.5	369.0	104.71	107.37	(1340 x 775 x 1690) x 2 + (1760 x 835 x 1795) x 2	16,500 x 2 + 28,000 x 2	ø25.4	ø51.4	325 x 2 + 455 x 2
FVI-L1200ME-E21G	380-415~3~50/60	338.0	376.0	108.20	110.84	(1340 x 775 x 1690) x 2 + (1760 x 835 x 1795) x 2	16,500 x 2 + 28,000 x 2	ø25.4	ø51.4	325 x 2 + 455 x 2
FVI-L1220ME-E21G	380-415~3~50/60	343.0	382.5	107.60	110.30	(1760 x 835 x 1795) x 4	26,000 + 28,000 x 3	ø25.4	ø51.4	425 + 455 x 3
FVI-L1240ME-E21G	380-415~3~50/60	348.5	387.5	110.10	112.80	(1760 x 835 x 1795) x 4	26,000 + 28,000 x 3	ø25.4	ø51.4	425 + 455 x 3
FVI-L1260ME-E21G	380-415~3~50/60	355.0	395.0	112.70	115.50	(1760 x 835 x 1795) x 4	26,000 + 28,000 x 3	ø25.4	ø51.4	425 + 455 x 3
FVI-L1280ME-E21G	380-415~3~50/60	360.0	400.0	114.80	118.00	(1760 x 835 x 1795) x 4	28,000 x 4	ø25.4	ø51.4	455 x 4

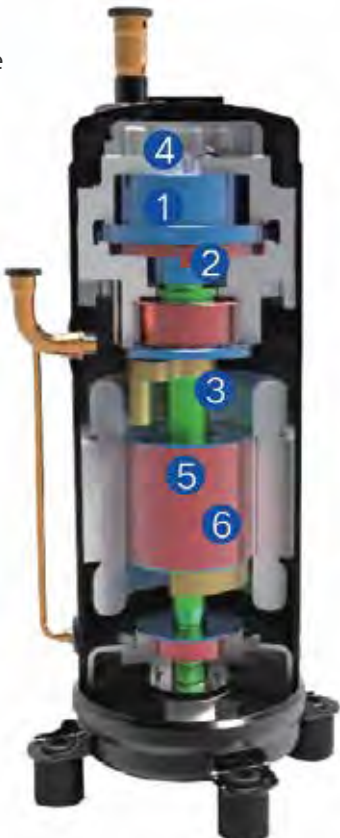


FVI-LE SERIES



Key Features

New High-efficiency Scroll Compressor

- 1 High-strength asymmetric line**
Adopt the high-strength asymmetric line to effectively reduce the loss of air inhalation and air exhaust for improving the volumetric.
 - 2 Floating back pressure step-type axial sealing**
Automatically adjust the seal with the working conditions, realizing efficient compression under the whole working condition.
 - 3 Low-model rotor bearing support structure**
Low noise operation under 10-130rps wide rotating speed range.
 - 4 Exhaust pulse inhibitory structure**
Reduce the noise for quiet operation.
 - 5 High convex ratio design**
The new high-efficiency magnetic reluctance motor, with multi-layer magnetic barrier structure, is stronger than ordinary DC inverter motor, with strong magnetic ability and high efficiency.
 - 6 High-reliable permanent magnet**
It adopts permanent magnet with positive coercivity coefficient. Its resistance to demagnetization increases with the temperature rising. It's suitable for high temperature and high pressure environment.
- 

High-efficiency G-shape Integrated Heat Exchanger

The advanced integrated molding process scheme is adopted. The length of the single heat exchanger is up to 4.0m, which improves the space utilization efficiency, the heat exchanger area and the heat exchange efficiency.

Note: Applicable for some models



Wide Capacity Range

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

Basic Models

15 basic models, capacity range 8HP~36HP.



8-12HP



14-18HP



20-24HP



26-36HP

Combination Models

8-24HP combination models: 36

Combination models capacity range: 26HP-96HP

Support up to 4 models combination

2 units : 26-48HP



3 units : 50-72HP



4 units : 74-96HP



8-24HP combination models: 37

Combination models capacity range: 52HP-128HP

Support up to 4 models combination (Max. 128HP)

2 units : 52-72HP



3 units : 78-96HP

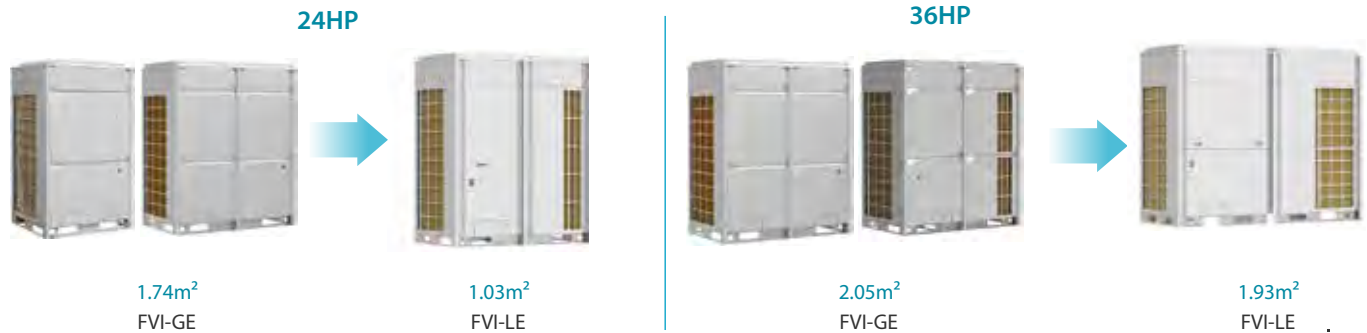


4 units : 98-128HP



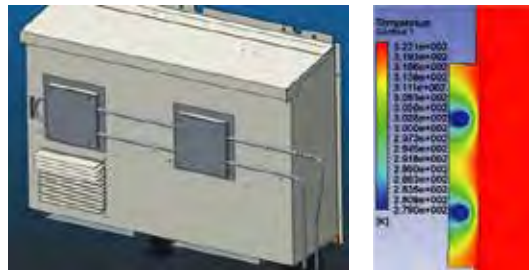
Saving Installation Space

The covering area of new generation 24HP model is 41% smaller than the previous generation FVI-GE series; The covering area of 36HP is 6% smaller than the previous generation.



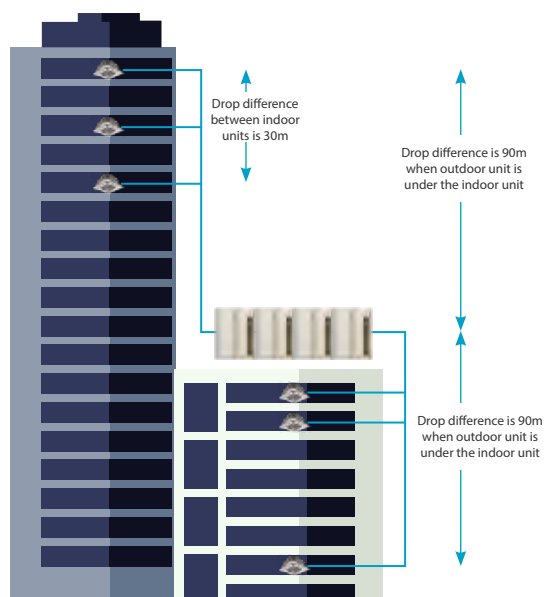
Refrigerant Cooling Technology

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



Refrigerant Pipe Design

- The maximum equivalent single pipe length is 190m
- The maximum actual single pipe length is 165m
- The maximum total connection pipe length is 1000m.
- The maximum distance from the indoor unit to the first branch pipe is 90m*
- Height difference is 90m when the outdoor unit is below/above the indoor unit
- Maximum height difference between indoor units is 30m



Specifications & Parameter of Outdoor Unit

Outdoor Units Lineup

Unit Combination with 68kW (FVI-L240LE-E21G) or below models

No.	Model	Cooling			Description	ODU Combination (HP)
		HP	kW	Btu/hr		
1	FVI-L080LE-E21G	8	22.4	76,400	BASIC MODULE ODU	8
2	FVI-L100LE-E21G	10	28.0	95,500		10
3	FVI-L120LE-E21G	12	33.5	114,300		12
4	FVI-L140LE-E21G	14	40.0	136,500		14
5	FVI-L160LE-E21G	16	45.0	153,500		16
6	FVI-L180LE-E21G	18	50.4	172,000		18
7	FVI-L200LE-E21G	20	56.0	191,100		20
8	FVI-L220LE-E21G	22	61.5	209,800		22
9	FVI-L240LE-E21G	24	68.0	232,000		24
10	FVI-L262LE-E21G	26	73.5	250,800	2 MODULAR ODU	12+14
11	FVI-L280LE-E21G	28	78.5	267,800		12+16
12	FVI-L295LE-E21G	30	83.9	286,300		12+18
13	FVI-L318LE-E21G	32	89.5	305,300		10+22
14	FVI-L338LE-E21G	34	95.0	324,100		12+22
15	FVI-L362LE-E21G	36	101.5	346,300		14+22
16	FVI-L380LE-E21G	38	106.4	363,100		18+20
17	FVI-L400LE-E21G	40	111.9	381,800		18+22
18	FVI-L420LE-E21G	42	117.5	400,900		20+22
19	FVI-L440LE-E21G	44	123.0	419,600		22+22
20	FVI-L460LE-E21G	46	129.5	441,800		22+24
21	FVI-L480LE-E21G	48	136.0	464,000		24+24
22	FVI-L500LE-E21G	50	139.9	477,400	3 MODULAR ODU	12+18+20
23	FVI-L518LE-E21G	52	145.5	496,400		10+20+22
24	FVI-L538LE-E21G	54	151.0	515,100		10+22+22
25	FVI-L555LE-E21G	56	156.5	533,900		12+22+22
26	FVI-L578LE-E21G	58	162.3	553,800		18+18+22
27	FVI-L598LE-E21G	60	167.9	572,900		18+20+22
28	FVI-L615LE-E21G	62	173.4	591,600		18+22+22
29	FVI-L638LE-E21G	64	179.0	610,700		20+22+22
30	FVI-L658LE-E21G	66	184.5	629,400		22+22+22
31	FVI-L680LE-E21G	68	191.0	651,600		22+22+24
32	FVI-L705LE-E21G	70	197.5	673,800		22+24+24
33	FVI-L725LE-E21G	72	204.0	696,000		24+24+24
34	FVI-L740LE-E21G	74	206.9	705,900	4 MODULAR ODU	12+18+22+22
35	FVI-L760LE-E21G	76	212.9	726,400		16+18+20+22
36	FVI-L780LE-E21G	78	219.0	747,200		14+20+22+22
37	FVI-L800LE-E21G	80	224.5	765,900		14+22+22+22
38	FVI-L815LE-E21G	82	229.5	783,100		20+20+20+22
39	FVI-L838LE-E21G	84	235.0	801,800		20+20+22+22
40	FVI-L858LE-E21G	86	241.4	823,600		18+22+22+24
41	FVI-L878LE-E21G	88	247.0	842,700		20+22+22+24
42	FVI-L898LE-E21G	90	252.5	861,400		22+22+22+24
43	FVI-L922LE-E21G	92	259.0	883,600		22+22+24+24
44	FVI-L942LE-E21G	94	265.5	905,800		22+24+24+24
45	FVI-L965LE-E21G	96	272.0	928,000		24+24+24+24

Unit Combination with 73kW (FVI-L260LE-E21G) or above models

No.	Model	Cooling			Description	ODU Combination (HP)
		HP	kW	Btu/hr		
1	FVI-L260LE-E21G	26	73.0	249,100	BASIC MODULE ODU	26
2	FVI-L280LE-E21G	28	78.5	267,800		28
3	FVI-L300LE-E21G	30	85.0	290,000		30
4	FVI-L320LE-E21G	32	90.0	307,100		32
5	FVI-L340LE-E21G	34	95.2	324,800		34
6	FVI-L360LE-E21G	36	101.0	344,600		36
7	FVI-L520LE-E21G	52	146.0	498,200	2 MODULAR ODU	26+26
8	FVI-L540LE-E21G	54	151.5	516,900		26+28
9	FVI-L560LE-E21G	56	158.0	539,100		26+30
10	FVI-L580LE-E21G	58	163.0	556,200		26+32
11	FVI-L600LE-E21G	60	168.5	574,900		28+32
12	FVI-L620LE-E21G	62	175.0	597,100		30+32
13	FVI-L640LE-E21G	64	180.0	614,200		32+32
14	FVI-L660LE-E21G	66	185.2	631,900		32+34
15	FVI-L680LE-E21G	68	191.0	651,700		32+36
16	FVI-L700LE-E21G	70	196.2	669,400		34+36
17	FVI-L720LE-E21G	72	202.0	689,200	3 MODULAR ODU	36+36
18	FVI-L780LE-E21G	78	219.0	747,300		26+26+26
19	FVI-L800LE-E21G	80	224.5	766,000		26+26+28
20	FVI-L820LE-E21G	82	231.0	788,200		26+26+30
21	FVI-L840LE-E21G	84	236.0	805,300		26+26+32
22	FVI-L860LE-E21G	86	241.5	824,000		26+28+32
23	FVI-L880LE-E21G	88	248.0	846,200		26+30+32
24	FVI-L900LE-E21G	90	253.0	863,300		26+32+32
25	FVI-L920LE-E21G	92	258.5	882,000		28+32+32
26	FVI-L940LE-E21G	94	265.0	904,200		30+32+32
27	FVI-L960LE-E21G	96	270.0	921,300		32+32+32
28	FVI-L980LE-E21G	98	275.0	938,300		26+36+36
29	FVI-L1000LE-E21G	100	280.5	957,000		28+36+36
30	FVI-L1020LE-E21G	102	287.0	979,200		30+36+36
31	FVI-L1040LE-E21G	104	292.0	996,300		32+36+36
32	FVI-L1060LE-E21G	106	297.2	1,014,000		34+36+36
33	FVI-L1080LE-E21G	108	303.0	1,033,800	4 MODULAR ODU	36+36+36
34	FVI-L1100LE-E21G	110	309.0	1,054,400		26+26+26+32
35	FVI-L1120LE-E21G	112	314.5	1,073,100		26+26+28+32
36	FVI-L1140LE-E21G	114	321.0	1,095,300		26+26+30+32
37	FVI-L1160LE-E21G	116	326.0	1,112,400		26+26+32+32
38	FVI-L1180LE-E21G	118	331.5	1,131,100		26+28+32+32
39	FVI-L1200LE-E21G	120	338.0	1,153,300		26+30+32+32
40	FVI-L1220LE-E21G	122	343.0	1,170,400		26+32+32+32
41	FVI-L1240LE-E21G	124	348.5	1,189,100		28+32+32+32
42	FVI-L1260LE-E21G	126	355.0	1,211,300		30+32+32+32
43	FVI-L1280LE-E21G	128	404.0	1,378,400		32+32+32+32

Note:

1.All specifications are subjective to change by manufacturer without prior notice.

Specifications & Parameter of Outdoor Unit

FVI-LE Series Specifications Outdoor Units

Model		Unit	FVI-L080LE-E21G	FVI-L100LE-E21G	FVI-L120LE-E21G	FVI-L140LE-E21G	FVI-L160LE-E21G
Rating Capacity		HP	8	10	12	14	16
Power Supply		V~Ph~Hz	380-415~3~50/60				
Cooling	Rated Capacity	Btu/hr (kW)	76,400 (22.4)	95,500 (28.0)	114,300 (33.5)	136,500 (40.0)	153,500 (45.0)
	Rated Input	kW	4.92	6.51	8.09	10.12	11.88
	Rated Current	A	8.79	11.64	14.46	18.09	21.24
Energy Efficiency Ratio (EER)		W/W	4.55	4.30	4.14	3.95	3.79
Min. Circuit/Max. Fuse Current		A	16.1/20	20.9/25	24.0/25	28.8/32	33.2/40
Compressor Configuration		-	1 x DC	1 x DC	1 x DC	1 x DC	1 x DC
Fan	Air Flow Rate	m³/h	11,400	11,400	11,400	14,000	14,000
		CFM	6,709	6,709	6,709	8,239	8,239
Sound Pressure Level		dB(A)	58	59	61	61	62
Dimension (WxDxH)	Unit	mm	930 x 765 x 1605	930 x 765 x 1605	930 x 765 x 1605	1340 x 765 x 1605	1340 x 765 x 1605
	Packing	mm	1010 x 840 x 1775	1010 x 840 x 1775	1010 x 840 x 1775	1420 x 840 x 1775	1420 x 840 x 1775
Weight	Net/Gross	kg	215/225	215/225	215/225	275/290	275/290
Refrigerant Charge		kg	5.9	6.7	6.7	8.7	8.7
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
	Gas	mm (in)	19.05 (3/4")	22.2 (7/8")	25.4 (1")	25.4 (1")	28.6 (1-1/8")

Model		Unit	FVI-L180LE-E21G	FVI-L200LE-E21G	FVI-L220LE-E21G	FVI-L240LE-E21G	FVI-L260LE-E21G
Rating Capacity		HP	18	20	22	24	26
Power Supply		V~Ph~Hz	380-415~3~50/60				
Cooling	Rated Capacity	Btu/hr (kW)	172,000 (50.4)	191,100 (56.0)	209,800 (61.5)	232,000 (68.0)	249,100 (73.0)
	Rated Input	kW	14.30	14.49	17.01	21.53	21.79
	Rated Current	A	25.56	25.90	30.41	38.49	38.95
Energy Efficiency Ratio (EER)		W/W	3.52	3.86	3.62	3.16	3.35
Min. Circuit/Max. Fuse Current		A	35.1/40	39.3/50	42.9/50	49.2/63	53.6/63
Compressor Configuration		-	1 x DC	2 x DC	2 x DC	2 x DC	2 x DC
Fan	Air Flow Rate	m³/h	14,000	16,000	16,000	16,000	26,000
		CFM	8,239	9,416	9,416	9,416	15,301
Sound Pressure Level		dB(A)	63	64	65	66	66
Dimension (WxDxH)	Unit	mm	1340 x 765 x 1605	1340 x 765 x 1740	1340 x 765 x 1740	1340 x 765 x 1740	2200 x 880 x 1675
	Packing	mm	1420 x 840 x 1775	1420 x 840 x 1910	1420 x 840 x 1910	1420 x 840 x 1910	2267 x 952 x 1867
Weight	Net/Gross	kg	275/290	375/390	375/390	375/390	490/520
Refrigerant Charge		kg	8.7	14.3	14.3	14.3	11.0
Connecting Pipe	Liquid	mm (in)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	19.05 (3/4")
	Gas	mm (in)	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")	31.8 (1-1/4")

Note:

* DC : DC inverter compressor

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Equivalent piping length of 7.5m, no height difference between units.

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity with long connection pipe.

4. For the model of FVI-L260ME~360ME-E21G, customized engineering service is needed if the outdoor static pressure is more than 0Pa.

5. All specifications are subjective to change by manufacturer without prior notice.

Model		Unit	FVI-L280LE-E21G	FVI-L300LE-E21G	FVI-L320LE-E21G	FVI-L340LE-E21G	FVI-L360LE-E21G
Rating Capacity		HP	28	30	32	34	36
Power Supply		V~Ph~Hz	380-415~3~50/60				
Cooling	Rated Capacity	Btu/hr (kW)	267,800 (78.5)	290,000 (85.0)	307,100 (90.0)	324,800 (95.2)	344,600 (101.0)
	Rated Input	kW	23.93	26.56	28.57	30.91	33.67
	Rated Current	A	42.78	47.48	51.07	55.25	60.19
Energy Efficiency Ratio (EER)		W/W	3.28	3.20	3.15	3.08	3.00
Min. Circuit/Max. Fuse Current		A	55.4/63	55.4/63	71.5/80	71.5/80	71.5/80
Compressor Configuration		-	2 x DC	2 x DC	2 x DC	2 x DC	2 x DC
Fan	Air Flow Rate	m³/h	26,000	26,000	28,000	28,000	28,000
		CFM	15,301	15,301	16,478	16,478	16,478
Sound Pressure Level		dB(A)	67	67	68	68	69
Dimension (WxDxH)	Unit	mm	2200 x 880 x 1675	2200 x 880 x 1675	2200 x 880 x 1675	2200 x 880 x 1675	2200 x 880 x 1675
	Packing	mm	2267 x 952 x 1867	2267 x 952 x 1867	2267 x 952 x 1867	2267 x 952 x 1867	2267 x 952 x 1867
Weight	Net/Gross	kg	490/520	490/520	520/550	520/550	520/550
Refrigerant Charge		kg	11.0	11.0	14.0	14.0	14.0
Connecting Pipe	Liquid	mm (in)	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")
	Gas	mm (in)	31.8 (1-1/4")	31.8 (1-1/4")	31.8 (1-1/4")	31.8 (1-1/4")	38.1 (1-1/2")

Note:

* DC : DC inverter compressor

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Equivalent piping length of 7.5m, no height difference between units.

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity with long connection pipe.

4. For the model of FVI-L260ME~360ME-E21G, customized engineering service is needed if the outdoor static pressure is more than 0Pa.

5. All specifications are subjective to change by manufacturer without prior notice.

Specifications & Parameter of Outdoor Unit

FVI-LE Series Specifications Outdoor Units Combination

Unit Combination with 68kW (FVI-L240LE-E21G) or below models

Model	Power Supply (V~Ph~Hz)	Cooling Capacity	Power Input	Dimension (WxDxH)	Air Flow Volume	Connecting Pipe Diameter		Net Weight
		kW	kW	mm	m ³ /h	mm	mm	kg
FVI-L262LE-E21G	380-415~3~50/60	73.5	18.21	930 x 765 x 1605 + 1340 x 765 x 1605	11,400 + 14,000	ø19.05	ø31.8	215 + 275
FVI-L280LE-E21G	380-415~3~50/60	78.5	19.97	930 x 765 x 1605 + 1340 x 765 x 1605	11,400 + 14,000	ø19.05	ø31.8	215 + 275
FVI-L295LE-E21G	380-415~3~50/60	83.9	22.39	930 x 765 x 1605 + 1340 x 765 x 1605	11,400 + 14,000	ø19.05	ø31.8	215 + 275
FVI-L318LE-E21G	380-415~3~50/60	89.5	23.52	930 x 765 x 1605 + 1340 x 765 x 1740	11,400 + 16,000	ø19.05	ø31.8	215 + 375
FVI-L338LE-E21G	380-415~3~50/60	95.0	25.10	930 x 765 x 1605 + 1340 x 765 x 1740	11,400 + 16,000	ø19.05	ø31.8	215 + 375
FVI-L362LE-E21G	380-415~3~50/60	101.5	27.13	1340 x 765 x 1605 + 1340 x 765 x 1740	14,000 + 16,000	ø19.05	ø38.1	275 + 375
FVI-L380LE-E21G	380-415~3~50/60	106.4	28.79	1340 x 765 x 1605 + 1340 x 765 x 1740	14,000 + 16,000	ø19.05	ø38.1	275 + 375
FVI-L400LE-E21G	380-415~3~50/60	111.9	31.31	1340 x 765 x 1605 + 1340 x 765 x 1740	14,000 + 16,000	ø19.05	ø38.1	275 + 375
FVI-L420LE-E21G	380-415~3~50/60	117.5	31.50	1340 x 765 x 1740 + 1340 x 765 x 1740	16,000 + 16,000	ø19.05	ø38.1	375 + 375
FVI-L440LE-E21G	380-415~3~50/60	123.0	34.02	1340 x 765 x 1740 + 1340 x 765 x 1740	16,000 + 16,000	ø19.05	ø38.1	375 + 375
FVI-L460LE-E21G	380-415~3~50/60	129.5	38.54	1340 x 765 x 1740 + 1340 x 765 x 1740	16,000 + 16,000	ø19.05	ø38.1	375 + 375
FVI-L480LE-E21G	380-415~3~50/60	136.0	43.06	1340 x 765 x 1740 + 1340 x 765 x 1740	16,000 + 16,000	ø19.05	ø38.1	375 + 375
FVI-L500LE-E21G	380-415~3~50/60	139.9	36.88	930 x 765 x 1605 + 1340 x 765 x 1605 + 1340 x 765 x 1740	11,400 + 14,000 + 16,000	ø19.05	ø41.3	215 + 275 + 375
FVI-L518LE-E21G	380-415~3~50/60	145.5	38.01	930 x 765 x 1605 + (1340 x 765 x 1740) x 2	11,400 + 16,000 x 2	ø19.05	ø41.3	215 + 375 x 2
FVI-L538LE-E21G	380-415~3~50/60	151.0	40.53	930 x 765 x 1605 + (1340 x 765 x 1740) x 2	11,400 + 16,000 x 2	ø19.05	ø41.3	215 + 375 x 2
FVI-L555LE-E21G	380-415~3~50/60	156.5	42.11	930 x 765 x 1605 + (1340 x 765 x 1740) x 2	11,400 + 16,000 x 2	ø19.05	ø41.3	215 + 375 x 2
FVI-L578LE-E21G	380-415~3~50/60	162.3	45.61	(1340 x 765 x 1605) x 2 + 1340 x 765 x 1740	14,000 x 2 + 16,000	ø19.05	ø41.3	275 x 2 + 375
FVI-L598LE-E21G	380-415~3~50/60	167.9	45.80	(1340 x 765 x 1605) x 2 + 1340 x 765 x 1740	14,000 x 2 + 16,000	ø19.05	ø41.3	275 x 2 + 375
FVI-L615LE-E21G	380-415~3~50/60	173.4	48.32	(1340 x 765 x 1605) x 2 + 1340 x 765 x 1740	14,000 x 2 + 16,000	ø19.05	ø41.3	275 x 2 + 375
FVI-L638LE-E21G	380-415~3~50/60	179.0	48.51	(1340 x 765 x 1740) x 3	16,000 x 3	ø19.05	ø41.3	375 x 3
FVI-L658LE-E21G	380-415~3~50/60	184.5	51.03	(1340 x 765 x 1740) x 3	16,000 x 3	ø19.05	ø41.3	375 x 3
FVI-L680LE-E21G	380-415~3~50/60	191.0	55.55	(1340 x 765 x 1740) x 3	16,000 x 3	ø22.2	ø44.5	375 x 3
FVI-L705LE-E21G	380-415~3~50/60	197.5	60.07	(1340 x 765 x 1740) x 3	16,000 x 3	ø22.2	ø44.5	375 x 3
FVI-L725LE-E21G	380-415~3~50/60	204.0	64.59	(1340 x 765 x 1740) x 3	16,000 x 3	ø22.2	ø44.5	375 x 3
FVI-L740LE-E21G	380-415~3~50/60	206.9	56.41	930 x 765 x 1605 + 1340 x 765 x 1605 + (1340 x 765 x 1740) x 2	11,400 + 14,000 + 16,000 x 2	ø22.2	ø44.5	215 + 275 + 375 x 2
FVI-L760LE-E21G	380-415~3~50/60	212.9	57.68	(1340 x 765 x 1605) x 2 + (1340 x 765 x 1740) x 2	14,000 x 2 + 16,000 x 2	ø22.2	ø44.5	275 x 2 + 375 x 2
FVI-L780LE-E21G	380-415~3~50/60	219.0	58.63	1340 x 765 x 1605 + (1340 x 765 x 1740) x 3	14,000 + 16,000 x 3	ø22.2	ø44.5	275 + 375 x 3
FVI-L800LE-E21G	380-415~3~50/60	224.5	61.15	1340 x 765 x 1605 + (1340 x 765 x 1740) x 3	14,000 + 16,000 x 3	ø22.2	ø44.5	275 + 375 x 3
FVI-L815LE-E21G	380-415~3~50/60	229.5	60.48	(1340 x 765 x 1740) x 4	16,000 x 4	ø22.2	ø44.5	375 x 4
FVI-L838LE-E21G	380-415~3~50/60	235.0	63.00	(1340 x 765 x 1740) x 4	16,000 x 4	ø22.2	ø44.5	375 x 4
FVI-L858LE-E21G	380-415~3~50/60	241.4	69.85	1340 x 765 x 1605 + (1340 x 765 x 1740) x 3	14,000 + 16,000 x 3	ø22.2	ø44.5	275 + 375 x 3
FVI-L878LE-E21G	380-415~3~50/60	247.0	70.04	(1340 x 765 x 1740) x 4	16,000 x 4	ø22.2	ø44.5	375 x 4
FVI-L898LE-E21G	380-415~3~50/60	252.5	72.56	(1340 x 765 x 1740) x 4	16,000 x 4	ø22.2	ø44.5	375 x 4
FVI-L922LE-E21G	380-415~3~50/60	259.0	77.08	(1340 x 765 x 1740) x 4	16,000 x 4	ø22.2	ø44.5	375 x 4
FVI-L942LE-E21G	380-415~3~50/60	265.5	81.60	(1340 x 765 x 1740) x 4	16,000 x 4	ø22.2	ø44.5	375 x 4
FVI-L965LE-E21G	380-415~3~50/60	272.0	86.12	(1340 x 765 x 1740) x 4	16,000 x 4	ø22.2	ø44.5	375 x 4

Note:

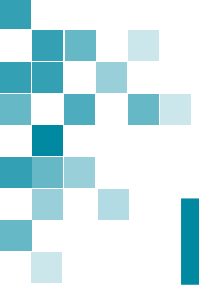
1.All specifications are subjective to change by manufacturer without prior notice.

Unit Combination with 73kW (FVI-L260LE-E21G) or above models

Model	Power Supply (V~Ph~Hz)	Cooling Capacity	Power Input	Dimension (WxDxH)	Air Flow Volume	Connecting Pipe Diameter		Net Weight
		kW	kW	mm	m³/h	mm	mm	kg
FVI-L520LE-E21G	380-415~3~50/60	146.0	43.6	(2200 x 880 x 1675) x 2	26,000 x 2	ø19.05	ø41.3	490 x 2
FVI-L540LE-E21G	380-415~3~50/60	151.5	45.7	(2200 x 880 x 1675) x 2	26,000 x 2	ø19.05	ø41.3	490 x 2
FVI-L560LE-E21G	380-415~3~50/60	73.0	21.8	(2200 x 880 x 1675) x 2	26,000 x 2	ø19.05	ø41.3	490 x 2
FVI-L580LE-E21G	380-415~3~50/60	163.0	50.4	(2200 x 880 x 1675) x 2	26,000 + 28,000	ø19.05	ø41.3	490 + 520
FVI-L600LE-E21G	380-415~3~50/60	168.5	52.5	(2200 x 880 x 1675) x 2	26,000 + 28,000	ø19.05	ø41.3	490 + 520
FVI-L620LE-E21G	380-415~3~50/60	175.0	55.1	(2200 x 880 x 1675) x 2	26,000 + 28,000	ø19.05	ø41.3	490 + 520
FVI-L640LE-E21G	380-415~3~50/60	180.0	57.1	(2200 x 880 x 1675) x 2	28,000 x 2	ø19.05	ø41.3	520 x 2
FVI-L660LE-E21G	380-415~3~50/60	185.2	59.5	(2200 x 880 x 1675) x 2	28,000 x 2	ø19.05	ø41.3	520 x 2
FVI-L680LE-E21G	380-415~3~50/60	191.0	62.2	(2200 x 880 x 1675) x 2	28,000 x 2	ø22.2	ø44.5	520 x 2
FVI-L700LE-E21G	380-415~3~50/60	196.2	64.6	(2200 x 880 x 1675) x 2	28,000 x 2	ø22.2	ø44.5	520 x 2
FVI-L720LE-E21G	380-415~3~50/60	202.0	67.3	(2200 x 880 x 1675) x 2	28,000 x 2	ø22.2	ø44.5	520 x 2
FVI-L780LE-E21G	380-415~3~50/60	219.0	65.4	(2200 x 880 x 1675) x 3	26,000 x 3	ø22.2	ø44.5	490 x 3
FVI-L800LE-E21G	380-415~3~50/60	224.5	67.5	(2200 x 880 x 1675) x 3	26,000 x 3	ø22.2	ø44.5	490 x 3
FVI-L820LE-E21G	380-415~3~50/60	231.0	70.1	(2200 x 880 x 1675) x 3	26,000 x 3	ø22.2	ø44.5	490 x 3
FVI-L840LE-E21G	380-415~3~50/60	236.0	72.2	(2200 x 880 x 1675) x 3	26,000 x 2 + 28,000	ø22.2	ø44.5	490 x 2 + 520
FVI-L860LE-E21G	380-415~3~50/60	241.5	74.3	(2200 x 880 x 1675) x 3	26,000 x 2 + 28,000	ø22.2	ø44.5	490 x 2 + 520
FVI-L880LE-E21G	380-415~3~50/60	248.0	76.9	(2200 x 880 x 1675) x 3	26,000 x 2 + 28,000	ø22.2	ø44.5	490 x 2 + 520
FVI-L900LE-E21G	380-415~3~50/60	253.0	78.9	(2200 x 880 x 1675) x 3	26,000 + 28,000 x 2	ø22.2	ø44.5	490 + 520 x 2
FVI-L920LE-E21G	380-415~3~50/60	258.5	81.1	(2200 x 880 x 1675) x 3	26,000 + 28,000 x 2	ø22.2	ø44.5	490 + 520 x 2
FVI-L940LE-E21G	380-415~3~50/60	265.0	83.7	(2200 x 880 x 1675) x 3	26,000 + 28,000 x 2	ø22.2	ø44.5	490 + 520 x 2
FVI-L960LE-E21G	380-415~3~50/60	270.0	85.7	(2200 x 880 x 1675) x 3	28,000 x 3	ø22.2	ø44.5	520 x 3
FVI-L980LE-E21G	380-415~3~50/60	275.0	89.1	(2200 x 880 x 1675) x 3	26,000 + 28,000 x 2	ø25.4	ø51.4	490 + 520 x 2
FVI-L1000LE-E21G	380-415~3~50/60	280.5	91.3	(2200 x 880 x 1675) x 3	26,000 + 28,000 x 2	ø25.4	ø51.4	490 + 520 x 2
FVI-L1020LE-E21G	380-415~3~50/60	287.0	93.9	(2200 x 880 x 1675) x 3	26,000 + 28,000 x 2	ø25.4	ø51.4	490 + 520 x 2
FVI-L1040LE-E21G	380-415~3~50/60	292.0	95.9	(2200 x 880 x 1675) x 3	28,000 x 3	ø25.4	ø51.4	520 x 3
FVI-L1060LE-E21G	380-415~3~50/60	297.2	98.3	(2200 x 880 x 1675) x 3	28,000 x 3	ø25.4	ø51.4	520 x 3
FVI-L1080LE-E21G	380-415~3~50/60	303.0	101.0	(2200 x 880 x 1675) x 3	28,000 x 3	ø25.4	ø51.4	520 x 3
FVI-L1100LE-E21G	380-415~3~50/60	309.0	93.9	(2200 x 880 x 1675) x 4	26,000 x 3 + 28,000	ø25.4	ø51.4	490 x 3 + 520
FVI-L1120LE-E21G	380-415~3~50/60	314.5	96.1	(2200 x 880 x 1675) x 4	26,000 x 3 + 28,000	ø25.4	ø51.4	490 x 3 + 520
FVI-L1140LE-E21G	380-415~3~50/60	321.0	98.7	(2200 x 880 x 1675) x 4	26,000 x 3 + 28,000	ø25.4	ø51.4	490 x 3 + 520
FVI-L1160LE-E21G	380-415~3~50/60	326.0	100.7	(2200 x 880 x 1675) x 4	26,000 x 2 + 28,000 x 2	ø25.4	ø51.4	490 x 2 + 520 x 2
FVI-L1180LE-E21G	380-415~3~50/60	331.5	102.9	(2200 x 880 x 1675) x 4	26,000 x 2 + 28,000 x 2	ø25.4	ø51.4	490 x 2 + 520 x 2
FVI-L1200LE-E21G	380-415~3~50/60	338.0	105.5	(2200 x 880 x 1675) x 4	26,000 x 2 + 28,000 x 2	ø25.4	ø51.4	490 x 2 + 520 x 2
FVI-L1220LE-E21G	380-415~3~50/60	343.0	107.5	(2200 x 880 x 1675) x 4	26,000 + 28,000 x 3	ø25.4	ø51.4	490 + 520 x 3
FVI-L1240LE-E21G	380-415~3~50/60	348.5	109.6	(2200 x 880 x 1675) x 4	26,000 + 28,000 x 3	ø25.4	ø51.4	490 + 520 x 3
FVI-L1260LE-E21G	380-415~3~50/60	355.0	112.3	(2200 x 880 x 1675) x 4	26,000 + 28,000 x 3	ø25.4	ø51.4	490 + 520 x 3
FVI-L1280LE-E21G	380-415~3~50/60	360.0	114.3	(2200 x 880 x 1675) x 4	28,000 x 4	ø25.4	ø51.4	520 x 4

Note:

1.All specifications are subjective to change by manufacturer without prior notice.



FVI-TE & VE SERIES SLIM & MINI TYPE



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 permasyon 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.

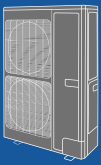
HP chamber structure can raise the high and middle frequency performance

New DC motor (concentrated winding) raises the low frequency performance



Wider Operation Condition Range

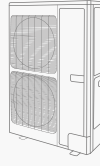
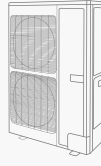
The unit adopts DC motor with more accurate high pressure control, which effectively solves the high pressure control problem in low ambient temperature cooling. So the operation range in cooling is wider.

			
Old Model		Mini	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

Note: Applicable to cooling & heating model only.
For cooling only model, -5~48°C.

Ultra-long Connection Pipe for More Convenient Connection

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

			
	Old Model	Mini	Slim
Total piping length	150m	300m	300m
Equivalent piping length	70m	150m	150m

Specifications & Parameter of Outdoor Unit

Mini Line Up

220-240V/50Hz & 208-230V/60Hz

HP	Model	Product Outlook
3.0	FVI-L028TE-A21G	
	FVI-L028VE-A21G	
3.5	FVI-L036TE-A21G	
	FVI-L036VE-A21G	
4.0	FVI-L043TE-A21G	
	FVI-L042VE-A21G	
5.0	FVI-L048TE-A21G	

220-240V/50Hz & 208-230V/60Hz

HP	Model	Product Outlook
4.5	FVI-L042TE-A21G	
5.0	FVI-L050TE-A21G	
	FVI-L050VE-A21G	
5.5	FVI-L055TE-A21G	
	FVI-L055VE-A21G	
6.0	FVI-L062TE-A21G	

380-415V/50/60Hz

HP	Model	Product Outlook
4.5	FVI-L045TE-E21G	
5.0	FVI-L050TE-E21G	
5.5	FVI-L055TE-E21G	

Slim Line Up

380-415V/50/60Hz

HP	Model	Product Outlook
8.0	FVI-L080TE-E21G	
	FVI-L080VE-E21G	
10.0	FVI-L100TE-E21G	
	FVI-L100VE-E21G	
12.0	FVI-L120TE-E21G	
	FVI-L120VE-E21G	

Specifications & Parameter of Outdoor Unit

Cooling & Heating

Specifications Mini VRF 220-240V/50Hz & 208-230V/60Hz

Model		Unit	FVI-L028TE-A21G	FVI-L036TE-A21G	FVI-L043TE-A21G	FVI-L048TE-A21G	FVI-L042TE-A21G	FVI-L050TE-A21G	FVI-L055TE-A21G
Rating Capacity		HP	3.0	3.5	4.5	5.0	4.0	5.0	6.0
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60						
Cooling	Rated Capacity (T1)	Btu/hr (kW)	27,300 (8.0)	34,200 (10.0)	41,300 (12.1)	48,100 (14.1)	41,300 (12.1)	47,800 (14.0)	54,600 (16.0)
	Rated Capacity (T3)	Btu/hr (kW)	24,600 (7.2)	30,700 (9.0)	37,300 (10.9)	43,300 (12.7)	37,300 (10.9)	43,000 (12.6)	49,200 (14.4)
	Rated Input	kW	2.05	2.70	3.45	3.92	3.03	3.59	4.75
	Rated Current	A	11.0	14.4	18.4	20.9	16.2	19.2	25.4
Heating	Rated Capacity	Btu/hr (kW)	30,700 (9.0)	37,500 (11.0)	44,400 (13.0)	54,600 (16.0)	47,800 (14.0)	56,300 (16.5)	61,400 (18.0)
	Rated Input	kW	1.90	2.50	2.70	4.16	3.27	3.95	4.65
	Rated Current	A	10.1	13.4	14.4	22.2	17.5	21.1	24.8
Max. Circuit/Fuse Current		A	21.4/25	22.4/25	24.0/32	35.8/40	30.4/32	33.7/40	36.3/40
Fan	Air Flow Rate	m³/h	3,900	4,000	4,400	5,200	6,000	6,300	6,600
		CFM	2,295	2,354	2,589	3,060	3,531	3,708	3,884
Sound Pressure Level		dB(A)	56	56	57	58	57	58	58
Dimension (WxDxH)	Unit	mm	980 x 790 x 360	980 x 790 x 360	980 x 790 x 360	940 x 820 x 460	900 x 1345 x 340	900 x 1345 x 340	900 x 1345 x 340
	Packing	mm	1097 x 937 x 477	1097 x 937 x 477	1097 x 937 x 477	1023 x 973 x 563	998 x 1500 x 458	998 x 1500 x 458	998 x 1500 x 458
Weight	Net/Gross	kg	80/90	80/90	85/95	98/108	112/123	112/123	112/123
Compressor Type		Type	Inveter Rotary	Inveter Rotary	Inveter Rotary	Inveter Rotary	Inveter Rotary	Inveter Rotary	Inveter Rotary
Refrigerant Charge		kg	1.8	1.8	2.0	3.3	3.3	3.3	3.3
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas	mm (in)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	19.05 (3/4")

Specifications Mini VRF 380-415V/50/60Hz

Model		Unit	FVI-L045TE-E21G	FVI-L050TE-E21G	FVI-L055TE-E21G
Rating Capacity		HP	4.5	5.0	6.0
Power Supply		V~Ph~Hz	380-415~3~50/60		
Cooling	Rated Capacity (T1)	Btu/hr (kW)	41,300 (12.1)	47,800 (14.0)	54,600 (16.0)
	Rated Capacity (T3)	Btu/hr (kW)	37,300 (10.9)	43,000 (12.6)	49,200 (14.4)
	Rated Input	kW	3.03	3.59	4.75
	Rated Current	A	5.4	6.4	8.5
Heating	Rated Capacity	Btu/hr (kW)	47,800 (14.0)	56,300 (16.5)	61,400 (18.0)
	Rated Input	kW	3.27	3.95	4.65
	Rated Current	A	5.8	7.1	8.3
Max. Circuit/Fuse Current		A	11.1/16	12.0/16	12.5/16
Fan	Air Flow Rate	m³/h	6,000	6,300	6,600
		CFM	3,531	3,708	3,884
Sound Pressure Level		dB(A)	57	58	58
Dimension (WxDxH)	Unit	mm	900 x 1345 x 340	900 x 1345 x 340	900 x 1345 x 340
	Packing	mm	998 x 1500 x 458	998 x 1500 x 458	998 x 1500 x 458
Weight	Net/Gross	kg	122/133	122/133	122/133
Compressor Type		Type	Inveter Rotary	Inveter Rotary	Inveter Rotary
Refrigerant Charge		kg	3.3	3.3	3.3
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas	mm (in)	15.9 (5/8")	15.9 (5/8")	19.05 (3/4")

Note:

- Nominal cooling & heating capacities are based on the following conditions:
T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Equivalent piping length of 5m, no height difference between units.
- The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.
- The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity with long connection pipe.
- All specifications are subjective to change by manufacturer without prior notice.

Specifications & Parameter of Outdoor Unit

Specifications Slim VRF 380-415V/50/60Hz

Model		Unit	FVI-L080TE-E21G	FVI-L100TE-E21G	FVI-L120TE-E21G
Rating Capacity		HP	8.0	10.0	12.0
Power Supply		V~Ph~Hz	380-415~3~50/60		
Cooling	Rated Capacity (T1)	Btu/hr (kW)	76,400 (22.4)	95,500 (28.0)	114,300 (33.5)
	Rated Capacity (T3)	Btu/hr (kW)	68,900 (20.2)	86,000 (25.2)	103,000 (30.2)
	Rated Input	kW	6.12	7.78	9.57
	Rated Current	A	10.9	13.9	17.1
Heating	Rated Capacity	Btu/hr (kW)	82,000 (24.0)	102,400 (30.0)	119,400 (35.0)
	Rated Input	kW	4.90	6.12	7.14
	Rated Current	A	8.8	10.9	12.8
Max. Circuit/Fuse Current		A	17.2/20	22.4/25	24.5/32
Fan	Air Flow Rate	m³/h	8,000	11,000	11,000
		CFM	4,708	6,474	6,474
Sound Pressure Level		dB(A)	60	62	63
Dimension (WxDxH)	Unit	mm	940 x 1430 x 320	940 x 1615 x 460	940 x 1615 x 460
	Packing	mm	1038 x 1580 x 438	1038 x 1765 x 578	1038 x 1765 x 578
Weight	Net/Gross	kg	133/144	166/183	177/197
Compressor Type		Type	Inveter Rotary	Inveter Scroll	Inveter Scroll
Refrigerant Charge		kg	5.5	7.1	8.0
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")
	Gas	mm (in)	19.05 (3/4")	22.20 (7/8")	25.4 (1")

Note:

- Nominal cooling & heating capacities are based on the following conditions:
T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Equivalent piping length of 5m, no height difference between units.
- The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.
- The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity with long connection pipe.
- All specifications are subjective to change by manufacturer without prior notice.

Specifications & Parameter of Outdoor Unit

Cooling Only

Specifications Mini VRF 220-240V/50Hz & 208-230V/60Hz

Model	Unit	FVI-L028VE-A21G	FVI-L036VE-A21G	FVI-L042VE-A21G	FVI-L050VE-A21G	FVI-L055VE-A21G	FVI-L062VE-A21G
Rating Capacity	HP	3.0	3.5	4.0	5.0	6.0	6.5
Power Supply	V~Ph~Hz	220-240~1~50 & 208-230~1~60					
Cooling	Rated Capacity	Btu/hr (kW)	27,300 (8.0)	34,200 (10.0)	41,000 (12.0)	47,800 (14.0)	54,600 (16.0)
	Rated Input	kW	2.05	2.70	3.45	3.59	4.75
	Rated Current	A	11.0	14.4	18.4	19.2	25.4
Max. Circuit/Fuse Current	A	21.4/25	22.4/25	24.0/25	33.7/40	36.3/40	37.5/40
Fan	Air Flow Rate	m ³ /h	3,900	4,000	4,400	6,300	6,600
		CFM	2,295	2,354	2,589	3,708	3,884
Sound Pressure Level	dB(A)	56	56	57	58	58	58
Dimension (WxDxH)	Unit	mm	980 x 790 x 360	980 x 790 x 360	980 x 790 x 360	900 x 1345 x 340	900 x 1345 x 340
	Packing	mm	1097 x 937 x 477	1097 x 937 x 477	1097 x 937 x 477	998 x 1500 x 458	998 x 1500 x 458
Weight	Net/Gross	kg	76/86	76/86	81/91	107/118	107/118
Compressor Type	Type	Inveter Rotary	Inveter Rotary	Inveter Rotary	Inveter Rotary	Inveter Rotary	Inveter Rotary
Refrigerant Charge	kg	2.09	2.09	2.29	3.30	3.30	3.30
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas	mm (in)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	19.05 (3/4")

Specifications Slim VRF 380-415V/50/60Hz

Model	Unit	FVI-L080VE-E21G	FVI-L100VE-E21G	FVI-L120VE-E21G
Rating Capacity	HP	8.0	10.0	12.0
Power Supply	V~Ph~Hz	380-415~3~50/60		
Cooling	Rated Capacity (T1)	Btu/hr (kW)	76,400 (22.4)	95,500 (28.0)
	Rated Input	kW	5.90	7.15
	Rated Current	A	10.0	11.5
Max. Circuit/Fuse Current	A	17.0/20	18.5/25	26.0/32
Fan	Air Flow Rate	m ³ /h	8,000	11,000
		CFM	4,708	6,474
Sound Pressure Level	dB(A)	58	60	60
Dimension (WxDxH)	Unit	mm	940 x 1430 x 320	940 x 1615 x 460
	Packing	mm	1038 x 1580 x 438	1038 x 1765 x 578
Weight	Net/Gross	kg	127/137	157/170
Compressor Type	Type	Inveter Rotary	Inveter Rotary	Inveter Rotary
Refrigerant Charge	kg	5.5	7.1	8.5
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	12.7 (1/2")
	Gas	mm (in)	19.05 (3/4")	25.4 (1")

Note:

- Nominal cooling capacities are based on the following conditions:
Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Equivalent piping length of 5m, no height difference between units.
- The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.
- The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity with long connection pipe.
- All specifications are subjective to change by manufacturer without prior notice.



FVI-SE SERIES MINI



Key Features

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.

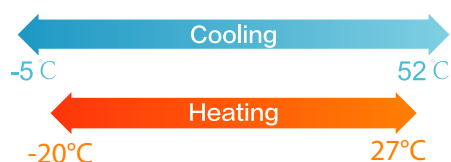
Magnetic Separation Structure Design for Rotor of Unequal Interval

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 $-5^{\circ}\text{C} \sim 52^{\circ}\text{C}$. In this temperature range, it can keep stable operation continuously to ensure the usage effect of air conditioner.



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 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



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.



FVI-SE Series Specifications Mini VRF Outdoor Unit

Model		Unit	FVI-L042SE-A21G	FVI-L050SE-A21G	FVI-L055SE-A21G	FVI-L062SE-A21G
Rating Capacity		HP	4.5	5.0	6.0	6.5
Power Supply		V~Ph~Hz	220-240~1~50/60			
Cooling	Rated Capacity (T1)	Btu/hr (kW)	41,300 (12.1)	47,800 (14.0)	54,600 (16.0)	61,400 (18.0)
	Rated Input	kW	2.45	3.10	3.65	4.55
Heating	Rated Capacity	Btu/hr (kW)	47,800 (14.0)	56,300 (16.5)	63,100 (18.5)	68,200 (20.0)
	Rated Input	kW	2.80	3.60	4.20	5.00
Min. Circuit/Max. Fuse Current		A	30.2/32	30.8/32	31.5/32	32.5/40
Fan	Air Flow Rate	m³/h	6,000	6,300	6,600	6,600
		CFM	3,531	3,708	3,884	3,884
Sound Pressure Level		dB(A)	50	51	52	53
Dimension (WxDxH)	Unit	mm	900 x 340 x 1345	900 x 340 x 1345	900 x 340 x 1345	900 x 340 x 1345
	Packing	mm	998 x 458 x 1500	998 x 458 x 1500	998 x 458 x 1500	998 x 458 x 1500
Weight	Net/Gross	kg	97/107	97/107	98/108	98/108
Refrigerant Charge		kg	3.2	3.2	3.3	3.3
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas	mm (in)	15.9 (5/8")	15.9 (5/8")	19.05 (3/4")	19.05 (3/4")

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB;

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.

FVI-E SERIES INDOOR UNITS



Indoor Units Lineup

Unit: kW

Type of Indoor Unit	Appearance	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	28.0	40.0	45.0	56.0
High Static Duct Type				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
Big Duct Type																							●	●	●	●	●
Low Static Duct Type			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
8-Way Cassette				●		●		●		●	●	●	●	●	●	●	●	●	●	●	●						
8-Way Compact Cassette		●	●	●		●		●		●	●	●															
1-way Cassette				●		●		●		●	●	●	●	●	●												
2-way Cassette						●		●		●	●	●	●	●	●												
Wall Mounted Type		●	●	●		●		●		●	●	●	●	●	●	●	●										
Floor Ceiling Type						●		●			●	●	●	●		●		●	●	●	●						
Console Type				●		●		●		●	●																
Floor Standing Type																	●			●							
Concealed Floor Standing Type				●		●		●		●		●	●	●													
Fresh Air Processing Unit																			●	●			●	●		●	

High Static Pressure Duct Type Indoor Unit



Accessories

Standard: Wired controller, drain pump and air filter.
Optional: Wireless remote controller, receiver, high efficiency filter device,

High static pressure design

Static pressure can be up to 200Pa, especially suitable for places in need of long distance air flow.

Intelligent drainage service

Standard fitting condensate water pump lift, lifting height can be up to 1.2m.

Wide application

9-gear static pressure for adjustment, convenient for engineering application.

Fresh Air Introduction Function

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



Specifications-BE Series

Model	Unit	FVI-D008BE-A21N	FVI-D009BE-A21N	FVI-D010BE-A21N	FVI-D011BE-A21N	FVI-D013BE-A21N	FVI-D014BE-A21N	FVI-D016BE-A21N
Cooling Capacity (T1)	kW	2.2	2.5	2.8	3.2	3.6	4.0	4.5
	Btu/hr	7,600	8,500	9,600	10,900	12,300	13,600	15,400
Cooling Capacity (T3)	kW	2.0	2.3	2.5	2.9	3.3	3.6	4.1
	Btu/hr	6,800	7,800	8,600	9,900	11,100	12,300	13,900
Heating Capacity	kW	2.5	2.8	3.2	3.6	4.0	4.5	5.0
	Btu/hr	8,600	9,600	11,000	12,300	13,700	15,400	17,100
Power Supply	V~Ph~Hz	220-240~1~50 & 208-230~1~60						
Power Consumption	W	55	55	55	65	65	85	85
Air Flow Volume (H/M/L)	CMH	550/480/400	550/480/400	550/480/400	600/500/420	600/500/420	850/700/600	850/700/600
	CFM	324/282/235	324/282/235	324/282/235	353/294/247	353/294/247	500/412/353	500/412/353
Noise	dB(A)	33/30/28	33/30/28	33/30/28	33/31/29	33/31/29	36/34/32	36/34/32
ESP	Pa	60/0~150	60/0~150	60/0~150	60/0~150	60/0~150	60/0~150	60/0~150
Connecting Pipe	Liquid pipe	mm (in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
Drainage Pipe	External dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)	mm	700x300x700	700x300x700	700x300x700	700x300x700	700x300x700	700x300x700	700x300x700
Packing Dimension (WxHxD)	mm	897x360x808	897x360x808	897x360x808	897x360x808	897x360x808	897x360x808	897x360x808
Weight (Net/Gross)	kg	32/38	32/38	32/38	32/38	32/38	34/40	34/40

Note:

- Nominal cooling & heating capacities are based on the following conditions:
T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.
T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;
- The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.
- The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.
- All specifications are subjective to change by manufacturer without prior notice.

High Static Pressure Duct Type Indoor Unit

Model	Unit	FVI-D018BE-A21N	FVI-D020BE-A21N	FVI-D022BE-A21N	FVI-D025BE-A21N	FVI-D028BE-A21N	FVI-D032BE-A21N
Cooling Capacity (T1)	kW	5.0	5.6	6.3	7.1	8.0	9.0
	Btu/hr	17,100	19,100	21,500	24,300	27,300	30,800
Cooling Capacity (T3)	kW	4.5	5.0	5.7	6.4	7.2	8.1
	Btu/hr	15,400	17,200	19,400	21,900	24,600	27,700
Heating Capacity	kW	5.6	6.3	7.1	8.0	9.0	10.0
	Btu/hr	19,200	21,500	24,300	27,300	30,800	34,200
Power Supply	V~Ph~Hz	220-240~1~50 & 208-230~1~60					
Power Consumption	W	85	90	90	100	100	140
Air Flow Volume (H/M/L)	CMH	850/700/600	1000/800/700	1000/800/700	1250/1050/950	1250/1050/950	1800/1450/1250
	CFM	500/412/353	589/471/412	589/471/412	736/618/559	736/618/559	1059/853/736
Noise	dB(A)	36/34/32	37/35/33	37/35/33	38/36/34	38/36/34	40/37/35
ESP	Pa	60/0~150	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200
Connecting Pipe	Liquid pipe	mm (in)	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
Drainage Pipe	External dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)	mm	700x300x700	1000x300x700	1000x300x700	1000x300x700	1000x300x700	1400x300x700
Packing Dimension (WxHxD)	mm	897x360x808	1205x360x813	1205x360x813	1205x360x813	1205x360x813	1601x365x813
Weight (Net/Gross)	kg	34/40	43/49	43/49	43/49	43/49	57/64

Model	Unit	FVI-D036BE-A21N	FVI-D040BE-A21N	FVI-D045BE-A21N	FVI-D050BE-A21N	FVI-D055BE-A21N	FVI-D060BE-A21N
Cooling Capacity (T1)	kW	10.0	11.2	12.5	14.0	16.0	18.0
	Btu/hr	34,200	38,300	42,700	47,800	54,600	61,400
Cooling Capacity (T3)	kW	9.0	10.1	11.3	12.6	14.4	16.2
	Btu/hr	30,700	34,500	38,500	43,000	49,100	55,300
Heating Capacity	kW	11.2	12.5	14.0	16.0	18.0	20.0
	Btu/hr	38,300	42,700	47,800	54,600	61,400	68,200
Power Supply	V~Ph~Hz	220-240~1~50 & 208-230~1~60					
Power Consumption	W	140	160	160	220	230	350
Air Flow Volume (H/M/L)	CMH	1800/1450/1250	2000/1600/1400	2000/1600/1400	2350/1900/1650	2500/2000/1750	3000/2600/200
	CFM	1059/853/736	1177/942/824	1177/942/824	1383/1118/971	1471/1177/1030	1766/1530/1177
Noise	dB(A)	40/37/35	40/38/36	40/38/36	42/39/37	44/41/38	49/47/44
ESP	Pa	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200	90/0~170
Connecting Pipe	Liquid pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	19.05 (3/4")	19.05 (3/4")
Drainage Pipe	External dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)	mm	1400x300x700	1400x300x700	1400x300x700	1400x300x700	1400x300x700	1400x300x700
Packing Dimension (WxHxD)	mm	1601x365x813	1601x365x813	1601x365x813	1678x365x808	1678x365x808	1678x365x808
Weight (Net/Gross)	kg	57/64	57/64	57/64	58/67	58/67	58/67

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.

High Static Pressure Duct Type Indoor Unit

Specifications-CE Series (*Not suitable for Europe Market)

Model		Unit	FVI-D008CE-A21N	FVI-D009CE-A21N	FVI-D010CE-A21N	FVI-D011CE-A21N	FVI-D013CE-A21N	FVI-D014CE-A21N	FVI-D016CE-A21N
Cooling Capacity (T1)		kW	2.2	2.5	2.8	3.2	3.6	4.0	4.5
		Btu/hr	7,600	8,500	9,600	10,900	12,300	13,600	15,400
Cooling Capacity (T3)		kW	2.0	2.3	2.5	2.9	3.3	3.6	4.1
		Btu/hr	6,800	7,800	8,600	9,900	11,100	12,300	13,900
Heating Capacity		kW	2.5	2.8	3.2	3.6	4.0	4.5	5.0
		Btu/hr	8,600	9,600	11,000	12,300	13,700	15,400	17,100
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60						
Power Consumption		W	50	50	50	50	50	100	100
Air Flow Volume (H/M/L)		CMH	550/480/400	550/480/400	550/480/400	600/500/420	600/500/420	850/700/600	850/700/600
		CFM	325/282/235	325/282/235	325/282/235	355/294/247	355/294/247	500/412/353	500/412/353
Noise		dB(A)	35/31/29	35/31/29	35/31/29	36/33/30	36/33/30	40/36/32	40/36/32
ESP		Pa	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80
Connecting Pipe	Liquid Pipe	mm (in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
Drainage Pipe	External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	700 x 300 x 700	700 x 300 x 700	700 x 300 x 700	700 x 300 x 700	700 x 300 x 700	700 x 300 x 700	700 x 300 x 700
Packing Dimension (WxHxD)		mm	897x360 x 808	897x360 x 808	897x360 x 808	897x360 x 808	897x360 x 808	897x360 x 808	897x360 x 808
Weight (Net/Gross)		kg	30.5/36	30.5/36	30.5/36	30.5/36	30.5/36	31.5/37	31.5/37

Model		Unit	FVI-D018CE-A21N	FVI-D020CE-A21N	FVI-D022CE-A21N	FVI-D025CE-A21N	FVI-D028CE-A21N	FVI-D032CE-A21N
Cooling Capacity (T1)		kW	5.0	5.6	6.3	7.1	8.0	9.0
		Btu/hr	17,100	19,100	21,500	24,300	27,300	30,800
Cooling Capacity (T3)		kW	4.5	5.0	5.7	6.4	7.2	8.1
		Btu/hr	15,400	17,200	19,400	21,900	24,600	27,700
Heating Capacity		kW	5.6	6.3	7.1	8.0	9.0	10.0
		Btu/hr	19,200	21,500	24,300	27,300	30,800	34,200
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60					
Power Consumption		W	100	100	105	110	110	170
Air Flow Volume (H/M/L)		CMH	850/700/600	1000/800/700	1000/800/700	1250/1050/950	1250/1050/950	1800/1450/1250
		CFM	500/412/353	589/471/412	589/471/412	736/618/559	736/618/559	1059/853/736
Noise		dB(A)	40/36/32	40/36/32	40/36/32	40/36/32	40/36/32	42/38/34
ESP		Pa	50/0~80	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200
Connecting Pipe	Liquid Pipe	mm (in)	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
Drainage Pipe	External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	700 x 300 x 700	1000 x 300 x 700	1000 x 300 x 700	1000 x 300 x 700	1000 x 300 x 700	1400 x 300 x 700
Packing Dimension (WxHxD)		mm	897x360 x 808	1205 x 360 x 808	1205 x 360 x 808	1205 x 360 x 808	1205 x 360 x 808	1601 x 365 x 813
Weight (Net/Gross)		kg	31.5/37	40.5/46.5	40.5/46.5	41/47	41/47	54/61

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.

High Static Pressure Duct Type Indoor Unit

Model		Unit	FVI-D036CE-A21N	FVI-D040CE-A21N	FVI-D045CE-A21N	FVI-D050CE-A21N	FVI-D055CE-A21N	FVI-D060CE-A21N
Cooling Capacity (T1)		kW	10.0	11.2	12.5	14.0	16.0	18.0
		Btu/hr	34,200	38,300	42,700	47,800	54,600	61,400
Cooling Capacity (T3)		kW	9.0	10.1	11.3	12.6	14.4	16.2
		Btu/hr	30,700	34,500	38,500	43,000	49,100	55,300
Heating Capacity		kW	11.2	12.5	14.0	16.0	18.0	20.0
		Btu/hr	38,300	42,700	47,800	54,600	61,400	68,200
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60					
Power Consumption		W	170	170	170	240	240	350
Air Flow Volume (H/M/L)		CMH	1800/1450/1250	2000/1600/1400	2000/1600/1400	2350/1900/1650	2500/2000/1750	3000/2600/2000
		CFM	1059/853/736	1177/942/824	1177/942/824	1383/1118/971	1471/1177/1030	1766/1530/1177
Noise		dB(A)	42/38/34	43/39/36	44/40/37	44/41/38	45/43/40	49/47/44
ESP		Pa	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200	90/0~170
Connecting Pipe	Liquid Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	19.05 (3/4")	19.05 (3/4")
Drainage Pipe	External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	1400 x 300 x 700	1400 x 300 x 700	1400 x 300 x 700	1400 x 300 x 700	1400 x 300 x 700	1400 x 300 x 700
Packing Dimension (WxHxD)		mm	1601 x 365 x 813	1601 x 365 x 813	1601 x 365 x 813	1601 x 365 x 813	1601 x 365 x 813	1678 x 365 x 808
Weight (Net/Gross)		kg	54/61	54/61	54/61	54.5/61.5	54.5/61.5	58/67

Note:

- Nominal cooling & heating capacities are based on the following conditions:
T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.
T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;
- The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.
- The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.
- All specifications are subjective to change by manufacturer without prior notice.

Super High Static Pressure Duct Type Indoor Unit



FVI-D080HE/D100HE



FVI-D140HE/D150HE



FVI-D200HE

High static pressure design

Static pressure can be up to 200Pa, especially suitable for places in need of long distance air flow.

Protection function

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

Accessories

Standard: Wired controller and air filter.

Optional: Wireless remote controller, receiver

Model		Unit	FVI-D080HE-A21N	FVI-D100HE-A21N	FVI-D140HE-E21N	FVI-D150HE-E21N	FVI-D200HE-E21N
Cooling Capacity (T1)		kW	22.4	28.0	40.0	45.0	56.0
		Btu/hr	76,400	95,500	136,500	153,500	191,100
Cooling Capacity (T3)		kW	20.2	25.2	36.0	40.5	50.4
		Btu/hr	69,000	86,100	122,800	138,200	172,000
Heating Capacity		kW	25.0	31.0	45.0	50.0	63.0
		Btu/hr	85,300	105,800	153,500	170,600	215,000
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60		380-415~3~50/60		380~3~50
Power Consumption		W	800	900	2500	2550	2700
Air Flow Volume (H/M/L)		CMH	4000/3600/3200	4400/4000/3600	8000/6100/5050	8200/6600/5550	10000
		CFM	2354/2119/1883	2589/2354/2119	4708/3590/2972	4826/3884/3266	5885
Noise		dB(A)	54/52/49	55/52/50	61/59/56	62/60/57	63
ESP		Pa	100/50~200	100/50~200	200/50~250	200/50~250	200
Connecting Pipe	Liquid Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")
	Gas Pipe	mm (in)	19.05 (3/4")	22.2 (7/8")	25.4 (1")	28.6 (1-1/8")	28.6 (1-1/8")
Drainage Pipe	External Dia. x wall thickness	mm	ø25x2.0	ø25x2.0	ø25x1.2	ø25x1.2	ø25x1.2
Unit Dimension (WxHxD)		mm	1483 x 385 x 791	1686 x 450 x 870	1680 x 650 x 900	1900 x 700 x 1100	1900x 850 x 1100
Packing Dimension (WxHxD)		mm	1578 x 472 x 883	1788 x 580 x 988	1923 x 850 x 1153	2132 x 905 x 1463	2132 x 1060 x 1463
Weight (Net/Gross)		kg	82/104	105/140	170/220	236/317	282/364

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.

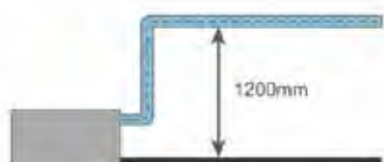
4. All specifications are subjective to change by manufacturer without prior notice.

General Static Pressure Duct Type Indoor Unit



Intelligent drainage device

Standard fitting condensate water pump lift, maximum lifting height can be up to 1200mm.



Multi-stage Static Pressure for Adjustment

*Applicable to FVI-C028CE~C050CE

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

Accessories

Standard: Wired controller, drain pump and air filter.
Optional: Wireless remote controller, receiver

Flexible Installation

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



Fresh Air Introduction Function

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



Protection function

Anti-freeze protection, temperature sensor malfunction protection, water overflow protection and fan motor overload protection.

Model		Unit	FVI-C006CE-A21N	FVI-C008CE-A21N	FVI-C009CE-A21N	FVI-C010CE-A21N	FVI-C011CE-A21N	FVI-C013CE-A21N
Cooling Capacity (T1)		kW	1.8	2.2	2.5	2.8	3.2	3.6
		Btu/hr	6,200	7,600	8,500	9,600	10,900	12,300
Cooling Capacity (T3)		kW	1.6	2.0	2.3	2.5	2.9	3.3
		Btu/hr	5,500	6,800	7,800	8,600	9,900	11,100
Heating Capacity		kW	2.2	2.5	2.8	3.2	3.6	4.0
		Btu/hr	7,600	8,600	9,600	11,000	12,300	13,700
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60					
Power Consumption		W	78	78	78	78	78	78
Air Flow Volume (H/M/L)		CMH	450/350/200	450/350/200	450/350/200	450/350/200	550/400/300	550/400/300
		CFM	265/206/118	265/206/118	265/206/118	265/206/118	324/235/177	324/235/177
Noise		dB(A)	30/25/22	30/25/22	30/25/22	30/25/22	31/27/25	31/27/25
ESP		Pa	15/0~30	15/0~30	15/0~30	15/0~30	15/0~30	15/0~30
Connecting Pipe	Liquid Pipe	mm (in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")
Drainage Pipe		External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	710 x 200 x 462	710 x 200 x 462	710 x 200 x 462	710 x 200 x 462	710 x 200 x 462	710 x 200 x 462
Packing Dimension (WxHxD)		mm	1008 x 275x568	1008 x 275x568	1008 x 275x568	1008 x 275x568	1008 x 275x568	1008 x 275x568
Weight (Net/Gross)		kg	18.5/23.5	18.5/23.5	18.5/23.5	18.5/23.5	19/24	19/24

Model		Unit	FVI-C014CE-A21N	FVI-C016CE-A21N	FVI-C018CE-A21N	FVI-C020CE-A21N	FVI-C022CE-A21N	FVI-C025CE-A21N
Cooling Capacity (T1)		kW	4.0	4.5	5.0	5.6	6.3	7.1
		Btu/hr	13,600	15,400	17,100	19,100	21,500	24,300
Cooling Capacity (T3)		kW	3.6	4.1	4.5	5.0	5.7	6.4
		Btu/hr	12,300	13,900	15,400	17,200	19,400	21,900
Heating Capacity		kW	4.5	5.0	5.6	6.3	7.1	8.0
		Btu/hr	15,400	17,100	19,200	21,500	24,300	27,300
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60					
Power Consumption		W	78	78	117	117	117	154
Air Flow Volume (H/M/L)		CMH	750/550/400	750/550/400	850/700/550	850/700/550	850/700/550	1100/850/650
		CFM	441/324/235	441/324/235	500/412/324	500/412/324	500/412/324	647/500/383
Noise		dB(A)	33/29/27	33/29/27	35/31/29	35/31/29	35/31/29	37/32/30
ESP		Pa	15/0~30	15/0~30	15/0~30	15/0~30	15/0~30	15/0~50
Connecting Pipe	Liquid Pipe	mm (in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
Drainage Pipe	External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	1010 x 200 x 462	1010 x 200 x 462	1010 x 200 x 462	1010 x 200 x 462	1010 x 200 x 462	1310 x 200 x 462
Packing Dimension (WxHxD)		mm	1308 x 275 x 568	1308 x 275 x 568	1308 x 275 x 568	1308 x 275 x 568	1308 x 275 x 568	1608 x 275 x 568
Weight (Net/Gross)		kg	25/31	25/31	25/31	25/31	25/31	31/37.5

Model		Unit	FVI-C028CE-A21N	FVI-C032CE-A21N	FVI-C036CE-A21N	FVI-C040CE-A21N	FVI-C045CE-A21N	FVI-C050CE-A21N
Cooling Capacity (T1)		kW	8.0	9.0	10.0	11.2	12.5	14.0
		Btu/hr	27,300	30,800	34,200	38,300	42,700	47,800
Cooling Capacity (T3)		kW	7.2	8.1	9.0	10.1	11.3	12.6
		Btu/hr	24,600	27,700	30,700	34,500	38,500	43,000
Heating Capacity		kW	9.0	10.0	11.2	12.5	14.0	16.0
		Btu/hr	30,800	34,200	38,300	42,700	47,800	54,600
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60					
Power Consumption		W	110	130	130	130	170	170
Air Flow Volume (H/M/L)		CMH	1250/1100/900	1500/1250/900	1500/1350/1000	1700/1500/1100	2000/1700/1400	2000/1700/1400
		CFM	736/647/530	883/736/530	883/794/589	1000/883/647	1177/1000/824	1177/1000/824
Noise		dB(A)	37/34/31	40/36/32	40/36/32	40/36/32	42/40/37	42/40/37
ESP		Pa	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80
Connecting Pipe	Liquid Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
Drainage Pipe	External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	1200 x 260 x 655	1340 x 260 x 655	1340 x 260 x 655	1340 x 260 x 655	1340 x 260 x 655	1340 x 260 x 655
Packing Dimension (WxHxD)		mm	1448 x 315 x 858	1588 x 315 x 858	1588 x 315 x 858	1588 x 315 x 858	1588 x 315 x 858	1588 x 315 x 858
Weight (Net/Gross)		kg	39/48	45.5/54.5	45.5/54.5	45.5/54.5	46.5/55.5	46.5/55.5

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.

8-way Cassette Indoor Unit



Individual swing control

Individual swing control of four air guide louvers to set fixed supply air or swing supply air in different angles individually, satisfying the user's. Individualized requirements on temperature and air flow distribution in different indoor locations, thus enhancing comfort.

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

360° air supply

360° air supply design to make indoor air flow more even and temperature distribution more comfortable to avoid any blind angle.

Intelligent drainage device

With direct current drainage pump, the operation noise is lower and the lift reaches 1200mm.

Accessories

Standard: Wireless remote controller, drain pump and air filter.

Optional: Wired controller

Fresh air function (Optional)

With the healthy fresh air accessories, it can bring in 8%~10% of fresh outdoor air effectively, improving air quality of indoor unit.



Specifications-EE Series

Model		Unit	FVI-T008EE-A21N	FVI-T010EE-A21N	FVI-T013EE-A21N	FVI-T016EE-A21N	FVI-T018EE-A21N
Cooling Capacity (T1)		kW	2.2	2.8	3.6	4.5	5.0
		Btu/hr	7,600	9,600	12,300	15,400	17,100
Cooling Capacity (T3)		kW	2.0	2.5	3.3	4.1	4.5
		Btu/hr	6,800	8,600	11,100	13,900	15,400
Heating Capacity		kW	2.5	3.2	4.0	5.0	5.6
		Btu/hr	8,600	11,000	13,700	17,100	19,200
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60				
Power Consumption		W	26	26	26	26	28
Air Flow Volume (H/M/L)		CMH	800/700/600	800/700/600	800/700/600	800/700/600	900/800/700
		CFM	471/412/353	471/412/353	471/412/353	471/412/353	530/471/412
Noise		dB(A)	33/30/28	33/30/28	33/30/28	34/30/28	35/32/29
Connecting Pipe	Liquid Pipe	mm (in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
Drainage Pipe		External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	840 x 240 x 840	840 x 240 x 840	840 x 240 x 840	840 x 240 x 840	840 x 240 x 840
Panel Dimension (WxHxD)		mm	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950
Packing Dimension (WxHxD)		mm	963 x 325 x 963	963 x 325 x 963	963 x 325 x 963	963 x 325 x 963	963 x 325 x 963
Panel Packing Dimension (WxHxD)		mm	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020
Weight (Net/Gross)		kg	27/35	27/35	27/35	27/35	28/36
Panel Weight (Net/Gross)		kg	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5

Note:

- Nominal cooling & heating capacities are based on the following conditions:
T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.
T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;
- The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.
- The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.
- All specifications are subjective to change by manufacturer without prior notice.

Model		Unit	FVI-T020EE-A21N	FVI-T022EE-A21N	FVI-T025EE-A21N	FVI-T028EE-A21N	FVI-T032EE-A21N
Cooling Capacity (T1)		kW	5.6	6.3	7.1	8.0	9.0
		Btu/hr	19,100	21,500	24,300	27,300	30,800
Cooling Capacity (T3)		kW	5.0	5.7	6.4	7.2	8.1
		Btu/hr	17,200	19,400	21,900	24,600	27,700
Heating Capacity		kW	6.3	7.1	8.0	9.0	10.0
		Btu/hr	21,500	24,300	27,300	30,800	34,200
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60				
Power Consumption		W	35	60	60	85	85
Air Flow Volume (H/M/L)		CMH	950/850/750	1150/950/850	1150/950/850	1250/1000/900	1250/1000/900
		CFM	559/500/441	677/559/500	677/559/500	736/589/530	736/589/530
Noise		dB(A)	37/33/30	37/34/31	37/34/31	39/37/34	39/37/34
Connecting Pipe	Liquid Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
Drainage Pipe		External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	840 x 240 x 840	840 x 240 x 840	840 x 240 x 840	840 x 240 x 840	840 x 240 x 840
Panel Dimension (WxHxD)		mm	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950
Packing Dimension (WxHxD)		mm	963 x 325 x 963	963 x 325 x 963	963 x 325 x 963	963 x 325 x 963	963 x 325 x 963
Panel Packing Dimension (WxHxD)		mm	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020
Weight (Net/Gross)		kg	28/36	28/36	28/36	29/37	29/37
Panel Weight (Net/Gross)		kg	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5

Model		Unit	FVI-T036EE-A21N	FVI-T040EE-A21N	FVI-T045EE-A21N	FVI-T050EE-A21N	FVI-T055EE-A21N
Cooling Capacity (T1)		kW	10.0	11.2	12.5	14.0	16.0
		Btu/hr	34,200	38,300	42,700	47,800	54,600
Cooling Capacity (T3)		kW	9.0	10.1	11.3	12.6	14.4
		Btu/hr	30,700	34,500	38,500	43,000	49,100
Heating Capacity		kW	11.2	12.5	14.0	16.0	18.0
		Btu/hr	38,300	42,700	47,800	54,600	61,400
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60				
Power Consumption		W	85	115	115	115	170
Air Flow Volume (H/M/L)		CMH	1250/1000/900	1650/1300/1100	1650/1300/1100	1650/1300/1100	2000/1800/1430
		CFM	736/589/530	971/765/647	971/765/647	971/765/647	1177/1059/842
Noise		dB(A)	39/37/34	43/41/39	43/41/39	43/41/39	51/48/42
Connecting Pipe	Liquid Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	19.05 (3/4")
Drainage Pipe		External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	840 x 240 x 840	840 x 290 x 840	840 x 290 x 840	840 x 290 x 840	840 x 290 x 840
Panel Dimension (WxHxD)		mm	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950
Packing Dimension (WxHxD)		mm	963 x 325 x 963	963 x 379 x 963	963 x 379 x 963	963 x 379 x 963	963 x 379 x 963
Panel Packing Dimension (WxHxD)		mm	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020
Weight (Net/Gross)		kg	29/37	33/42	33/42	33/42	36/44
Panel Weight (Net/Gross)		kg	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5

Note:

- Nominal cooling & heating capacities are based on the following conditions:
T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.
T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;
- The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.
- The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.
- All specifications are subjective to change by manufacturer without prior notice.

Specifications-DE Series (*Not suitable for Europe Market)

Model		Unit	FVI-T008DE-A21N	FVI-T010DE-A21N	FVI-T013DE-A21N	FVI-T016DE-A21N	FVI-T018DE-A21N	FVI-T020DE-A21N	FVI-T022DE-A21N
Cooling Capacity (T1)	kW		2.2	2.8	3.6	4.5	5.0	5.6	6.3
	Btu/hr		7,600	9,600	12,300	15,400	17,100	19,100	21,500
Cooling Capacity (T3)	kW		2.0	2.5	3.3	4.1	4.5	5.0	5.7
	Btu/hr		6,800	8,600	11,100	13,900	15,400	17,200	19,400
Heating Capacity	kW		2.5	3.2	4.0	5.0	5.6	6.3	7.1
	Btu/hr		8,600	11,000	13,700	17,100	19,200	21,500	24,300
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60						
Power Consumption		W	40	40	40	50	50	60	60
Air Flow Volume (H/M/L)	CMH		800/700/600	800/700/600	800/700/600	900/800/700	900/800/700	1100/935/850	1100/935/850
	CFM		471/412/353	471/412/353	471/412/353	530/471/412	530/471/412	647/550/500	647/550/500
Noise		dB(A)	32/29/27	32/29/27	32/29/27	35/30/27	35/30/27	37/35/32	37/35/32
Connecting Pipe	Liquid Pipe	mm (in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")
Drainage Pipe	External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	840 x 200 x 840	840 x 200 x 840	840 x 200 x 840	840 x 200 x 840	840 x 200 x 840	840 x 200 x 840	840 x 200 x 840
Panel Dimension (WxHxD)		mm	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950
Packing Dimension (WxHxD)		mm	933 x 255 x 933	933 x 255 x 933	933 x 255 x 933	933 x 255 x 933	933 x 255 x 933	933 x 255 x 933	933 x 255 x 933
Panel Packing Dimension (WxHxD)		mm	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020
Weight (Net/Gross)		kg	19/23	19/23	19/23	19/23	19/23	21/25	21/25
Panel Weight (Net/Gross)		kg	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5

Model		Unit	FVI-T025DE-A21N	FVI-T028DE-A21N	FVI-T032DE-A21N	FVI-T036DE-A21N	FVI-T040DE-A21N	FVI-T045DE-A21N	FVI-T050DE-A21N
Cooling Capacity (T1)	kW		7.1	8.0	9.0	10.0	11.2	12.5	14.0
	Btu/hr		24,300	27,300	30,800	34,200	38,300	42,700	47,800
Cooling Capacity (T3)	kW		6.4	7.2	8.1	9.0	10.1	11.3	12.6
	Btu/hr		21,900	24,600	27,700	30,700	34,500	38,500	43,000
Heating Capacity	kW		8.0	9.0	10.0	11.2	12.5	14.0	16.0
	Btu/hr		27,300	30,800	34,200	38,300	42,700	47,800	54,600
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60						
Power Consumption		W	60	75	75	100	100	160	160
Air Flow Volume (H/M/L)	CMH		1100/935/850	1400/1000/900	1400/1000/900	1550/1200/1000	1550/1200/1000	1800/1450/1150	1800/1450/1150
	CFM		647/550/500	824/589/530	824/589/530	912/706/589	912/706/589	1059/853/677	1059/853/677
Noise		dB(A)	37/35/32	40/36/31	40/36/31	43/39/35	43/39/35	46/41/35	46/41/35
Connecting Pipe	Liquid Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
Drainage Pipe	External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	840 x 200 x 840	840 x 240 x 840	840 x 240 x 840	840 x 240 x 840	840 x 240 x 840	840 x 290 x 840	840 x 290 x 840
Panel Dimension (WxHxD)		mm	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950	950 x 65 x 950
Packing Dimension (WxHxD)		mm	933 x 255 x 933	933 x 292 x 933	933 x 292 x 933	933 x 292 x 933	933 x 292 x 933	933 x 345 x 933	933 x 345 x 933
Panel Packing Dimension (WxHxD)		mm	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020	1033 x 110 x 1020
Weight (Net/Gross)		kg	21/25	22.5/27.5	22.5/27.5	22.5/27.5	22.5/27.5	25/30.5	25/30.5
Panel Weight (Net/Gross)		kg	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.

8-way Compact Cassette Indoor Unit



360° air supply

360° air supply design to make indoor air flow more even and temperature distribution more comfortable to avoid any blind angle.

Individual swing control

4 swing blades can be controller independently and maximum 626 air supply angle combinations can be realized for free and humanized control, avoiding direct blow to people.

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

Intelligent drainage device

With direct current drainage pump, the operation noise is lower and the lift reaches 1200mm.

DC motor

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

Accessories

Standard: Wireless remote controller, drain pump and air filter.

Optional: Wired controller

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).

Model		Unit	FVI-K005EE-A21N	FVI-K006EE-A21N	FVI-K008EE-A21N	FVI-K010EE-A21N	FVI-K013EE-A21N	FVI-K016EE-A21N	FVI-K018EE-A21N	FVI-K020EE-A21N
Cooling Capacity (T1)	kW		1.5	1.8	2.2	2.8	3.6	4.5	5.0	5.6
	Btu/hr		5,100	6,200	7,600	9,600	12,300	15,400	17,100	19,100
Cooling Capacity (T3)	kW		1.3	1.6	2.0	2.5	3.3	4.1	4.5	5.0
	Btu/hr		4,600	5,500	6,800	8,600	11,100	13,900	15,400	17,200
Heating Capacity	kW		1.8	2.2	2.5	3.2	4.0	5.0	5.6	6.3
	Btu/hr		6,200	7,600	8,600	11,000	13,700	17,100	19,200	21,500
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60							
Power Consumption		W	30	30	30	30	30	45	45	45
Air Flow Volume (H/M/L)	CMH		460/420/370	460/420/370	500/460/370	570/480/420	620/550/480	730/650/560	730/650/560	730/650/560
	CFM		270/250/220	270/250/220	295/270/220	335/280/250	365/325/280	430/385/330	430/385/330	430/385/330
Noise		dB(A)	33/30/25	33/30/25	36/31/25	36/33/28	39/37/35	43/41/39	43/41/39	43/41/39
Connecting Pipe	Liquid Pipe	mm (in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
	Gas Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")
Drainage Pipe		External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	570 x 265 x 570	570 x 265 x 570	570 x 265 x 570	570 x 265 x 570	570 x 265 x 570	570 x 265 x 570	570 x 265 x 570	570 x 265 x 570
Panel Dimension (WxHxD)		mm	620 x 47.5 x 620	620 x 47.5 x 620	620 x 47.5 x 620	620 x 47.5 x 620	620 x 47.5 x 620	620 x 47.5 x 620	620 x 47.5 x 620	620 x 47.5 x 620
Packing Dimension (WxHxD)		mm	698 x 295 x 653	698 x 295 x 653	698 x 295 x 653	698 x 295 x 653	698 x 295 x 653	698 x 295 x 653	698 x 295 x 653	698 x 295 x 653
Panel Packing Dimension (WxHxD)		mm	701 x 125 x 701	701 x 125 x 701	701 x 125 x 701	701 x 125 x 701	701 x 125 x 701	701 x 125 x 701	701 x 125 x 701	701 x 125 x 701
Weight (Net/Gross)		kg	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5
Panel Weight (Net/Gross)		kg	3/4.5	3/4.5	3/4.5	3/4.5	3/4.5	3/4.5	3/4.5	3/4.5

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.

1-way Cassette Indoor Unit



Protection function

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

Accessories

Standard: Wireless remote controller, drain pump and air filter.

Optional: Wired controller

Smart installation space

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

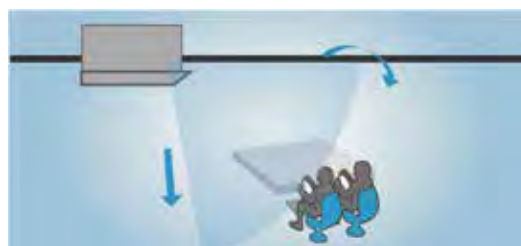


Intelligent drainage device

Standard fitting condensate water pump lift, maximum lifting height can be up to 1200mm.

Ultra Wide Angle Air Supply

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



Model		Unit	FVI-R008E-A21N	FVI-R010E-A21N	FVI-R013E-A21N	FVI-R016E-A21N	FVI-R018E-A21N	FVI-R020E-A21N
Cooling Capacity (T1)		kW	2.2	2.8	3.6	4.5	5.0	5.6
		Btu/hr	7,600	9,600	12,300	15,400	17,100	19,100
Cooling Capacity (T3)		kW	2.0	2.5	3.3	4.1	4.5	5.0
		Btu/hr	6,800	8,600	11,100	13,900	15,400	17,200
Heating Capacity		kW	2.5	3.2	4.0	5.0	5.6	6.3
		Btu/hr	8,600	11,000	13,700	17,100	19,200	21,500
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60					
Power Consumption		W	30	30	30	45	45	45
Air Flow Volume (H/M/L)		CMH	600/500/450	600/500/450	600/500/450	830/600/500	830/600/500	890/667/564
		CFM	355/295/265	355/295/265	355/295/265	490/355/295	490/355/295	524/393/332
Noise		dB(A)	36/32/28	36/32/28	36/32/28	40/35/30	40/35/30	41/38/35
Connecting Pipe	Liquid Pipe	mm (in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
	Gas Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")
Drainage Pipe		External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	987 x 178 x 385	987 x 178 x 385	987 x 178 x 385	987 x 178 x 385	987 x 178 x 385	987 x 178 x 385
Panel Dimension (WxHxD)		mm	1200 x 55 x 460	1200 x 55 x 460	1200 x 55 x 460	1200 x 55 x 460	1200 x 55 x 460	1200 x 55 x 460
Packing Dimension (WxHxD)		mm	1307 x 310 x 501	1307 x 310 x 501	1307 x 310 x 501	1307 x 310 x 501	1307 x 310 x 501	1307 x 310 x 501
Panel Packing Dimension (WxHxD)		mm	1265 x 121 x 536	1265 x 121 x 536	1265 x 121 x 536	1265 x 121 x 536	1265 x 121 x 536	1265 x 121 x 536
Weight (Net/Gross)		kg	20/27	20/27	20/27	21/28.5	21/28.5	21/28.5
Panel Weight (Net/Gross)		kg	4.2/6	4.2/6	4.2/6	4.2/6	4.2/6	4.2/6

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.

Model		Unit	FVI-R022E-A21N	FVI-R025E-A21N	FVI-R028E-A21N
Cooling Capacity (T1)		kW	6.3	7.1	8.0
		Btu/hr	21,500	24,300	27,300
Cooling Capacity (T3)		kW	5.7	6.4	7.2
		Btu/hr	19,400	21,900	24,600
Heating Capacity		kW	7.1	8.0	9.0
		Btu/hr	24,300	27,300	30,800
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60		
Power Consumption		W	57	83	83
Air Flow Volume (H/M/L)		CMH	880/680/600	1000/680/600	1000/680/600
		CFM	518/400/353	589/400/353	589/400/353
Noise		dB(A)	42/39/36	44/39/36	44/39/36
Connecting Pipe	Liquid Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
Drainage Pipe	External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)		mm	1200 x 200 x 470	1200 x 200 x 470	1200 x 200 x 470
Panel Dimension (WxHxD)		mm	1350 x 64 x 555	1350 x 64 x 555	1350 x 64 x 555
Packing Dimension (WxHxD)		mm	1438 x 255 x 548	1438 x 255 x 548	1438 x 255 x 548
Panel Packing Dimension (WxHxD)		mm	1443 x 155 x 648	1443 x 155 x 648	1443 x 155 x 648
Weight (Net/Gross)		kg	26/31.5	26/31.5	26/31.5
Panel Weight (Net/Gross)		kg	7.8/13.5	7.8/13.5	7.8/13.5

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.

2-way Cassette Indoor Unit



Individual 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

Accessories

Standard: Wireless remote controller, drain pump and air filter.

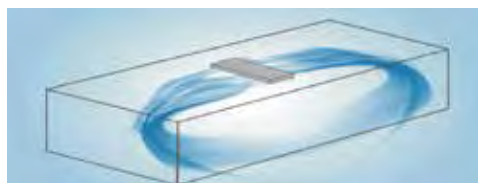
Optional: Wired controller

Elegant Appearance

With beautiful and elegant front panel, it is suitable for indoor surroundings.

Two-way Air Flow Design

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



Compact Body Design

The new generation of two-way cassette unit had a very thin body (280mm). Therefore, it requires less installation space and is more practical in engineering.

Intelligent drainage device

Standard fitting condensate water pump lift, maximum lifting height can be up to 1200mm.

Model	Unit	FVI-S010BE-A21N	FVI-S013BE-A21N	FVI-S016BE-A21N	FVI-S018BE-A21N	FVI-S020BE-A21N	FVI-S022BE-A21N	FVI-S025BE-A21N	FVI-S028BE-A21N
Cooling Capacity (T1)	kW	2.8	3.6	4.5	5.0	5.6	6.3	7.1	8.0
	Btu/hr	9,600	12,300	15,400	17,100	19,100	21,500	24,300	27,300
Cooling Capacity (T3)	kW	2.5	3.3	4.1	4.5	5.0	5.7	6.4	7.2
	Btu/hr	8,600	11,100	13,900	15,400	17,200	19,400	21,900	24,600
Heating Capacity	kW	3.2	4.0	5.0	5.6	6.3	7.1	8.0	9.0
	Btu/hr	11,000	13,700	17,100	19,200	21,500	24,300	27,300	30,800
Power Supply	V~Ph~Hz	220-240~1~50 & 208-230~1~60							
Power Consumption	W	20	20	30	30	30	30	55	55
Air Flow Volume (H/M/L)	CMH	671/616/513	671/616/513	715/616/513	715/616/513	764/709/676	764/709/676	816/745/660	816/745/660
	CFM	395/363/302	395/363/302	421/363/302	421/363/302	450/417/398	450/417/398	480/438/388	480/438/388
Noise	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 Pipe	mm (in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
Drainage Pipe	External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5	ø25x2.5
Unit Dimension (WxHxD)	mm	790 x 280 x 630	790 x 280 x 630	790 x 280 x 630	790 x 280 x 630	790 x 280 x 630	790 x 280 x 630	790 x 280 x 630	790 x 280 x 630
Panel Dimension (WxHxD)	mm	1100 x 28 x 710	1100 x 28 x 710	1100 x 28 x 710	1100 x 28 x 710	1100 x 28 x 710	1100 x 28 x 710	1100 x 28 x 710	1100 x 28 x 710
Packing Dimension (WxHxD)	mm	1033 x 365 x 740	1033 x 365 x 740	1033 x 365 x 740	1033 x 365 x 740	1033 x 365 x 740	1033 x 365 x 740	1033 x 365 x 740	1033 x 365 x 740
Panel Packing Dimension (WxHxD)	mm	1230 x 130 x 843	1230 x 130 x 843	1230 x 130 x 843	1230 x 130 x 843	1230 x 130 x 843	1230 x 130 x 843	1230 x 130 x 843	1230 x 130 x 843
Weight (Net/Gross)	kg	25.5/33	25.5/33	25.5/33	25.5/33	26/33.5	26/33.5	26/33.5	26/33.5
Panel Weight (Net/Gross)	kg	6/10.5	6/10.5	6/10.5	6/10.5	6/10.5	6/10.5	6/10.5	6/10.5

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.

Wall Mounted Indoor Unit



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.

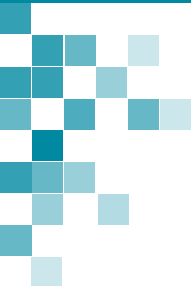
Quiet design

High-efficiency cross flow blade and imported silence valve are adopted, which greatly reduce the noise of entire unit.

Protection function

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

Model		Unit	FVI-W005E3-A21N	FVI-W006E3-A21N	FVI-W008E3-A21N	FVI-W010E3-A21N	FVI-W013E3-A21N	FVI-W016E3-A21N
Cooling Capacity (T1)		kW	1.5	1.8	2.2	2.8	3.6	4.5
		Btu/hr	5,100	6,200	7,600	9,600	12,300	15,400
Cooling Capacity (T3)		kW	1.3	1.6	2.0	2.5	3.3	4.1
		Btu/hr	4,600	5,500	6,800	8,600	11,100	13,900
Heating Capacity		kW	1.8	2.2	2.5	3.2	4.0	5.0
		Btu/hr	6,200	7,600	8,600	11,000	13,700	17,100
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60					
Power Consumption		W	20	20	20	20	25	35
Air Flow Volume (H/M/L)		CMH	500/440/300	500/440/300	500/440/300	500/440/300	630/460/320	850/580/500
		CFM	294/259/177	294/259/177	294/259/177	294/259/177	371/271/188	500/341/294
Noise		dB(A)	35/33/30	35/33/30	35/33/30	35/33/30	38/35/31	43/40/37
Connecting Pipe	Liquid Pipe	mm (in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")
Drainage Pipe		External Dia. x wall thickness	mm	ø20x1.5	ø20x1.5	ø20x1.5	ø20x1.5	ø20x1.5
Unit Dimension (WxHxD)		mm	845 x 289 x 209	845 x 289 x 209	845 x 289 x 209	845 x 289 x 209	845 x 289 x 209	970 x 300 x 224
Packing Dimension (WxHxD)		mm	976 x 379 x 281	976 x 379 x 281	976 x 379 x 281	976 x 379 x 281	976 x 379 x 281	1096 x 395 x 308
Weight (Net/Gross)		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



Model		Unit	FVI-W018E3-A21N	FVI-W020E3-A21N	FVI-W022E3-A21N	FVI-W025E3-A21N	FVI-W028E3-A21N	FVI-W032E3-A21N	FVI-W036E3-A21N
Cooling Capacity (T1)		kW	5.0	5.6	6.3	7.1	8.0	9.0	9.5
		Btu/hr	17,100	19,100	21,500	24,300	27,300	30,800	32,400
Cooling Capacity (T3)		kW	4.5	5.0	5.7	6.4	7.2	8.1	8.6
		Btu/hr	15,400	17,200	19,400	21,900	24,600	27,700	29,200
Heating Capacity		kW	5.6	6.3	7.1	7.5	9.0	10.0	10.5
		Btu/hr	19,200	21,500	24,300	25,600	30,800	34,200	35,800
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60						
Power Consumption		W	35	50	50	65	80	80	100
Air Flow Volume (H/M/L)		CMH	850/580/500	1100/850/650	1100/850/650	1200/850/650	1550/1050/800	1550/1050/800	1650/1100/900
		CFM	500/341/294	647/500/383	647/500/383	706/500/383	912/618/471	912/618/471	971/647/530
Noise		dB(A)	43/40/37	43/41/37	43/41/37	44/41/37	49/46/40	49/46/40	52/48/40
Connecting Pipe	Liquid Pipe	mm (in)	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
Drainage Pipe		External Dia. x wall thickness	mm	ø20x1.5	ø20x1.5	ø20x1.5	ø20x1.5	ø20x1.5	ø20x1.5
Unit Dimension (WxHxD)		mm	970 x 300 x 224	1078 x 325 x 246	1078 x 325 x 246	1078 x 325 x 246	1350 x 326 x 258	1350 x 326 x 258	1350 x 326 x 258
Packing Dimension (WxHxD)		mm	1096 x 395 x 308	1203 x 425 x 338	1203 x 425 x 338	1203 x 425 x 338	1496 x 433 x 357	1496 x 433 x 357	1496 x 433 x 357
Weight (Net/Gross)		kg	12.5/15.5	16/19	16/19	16/19	20/24	20/24	20/24

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

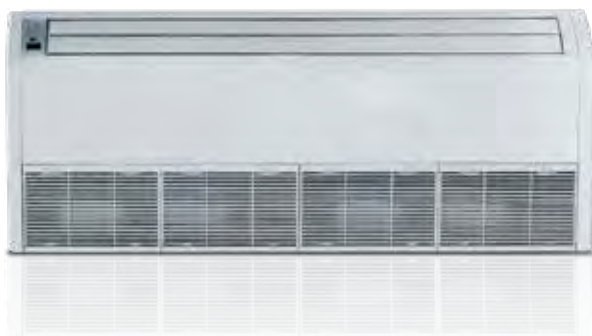
T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.

Floor Ceiling Type Indoor Unit



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.

Accessories

Standard: Wireless remote controller and air filter.

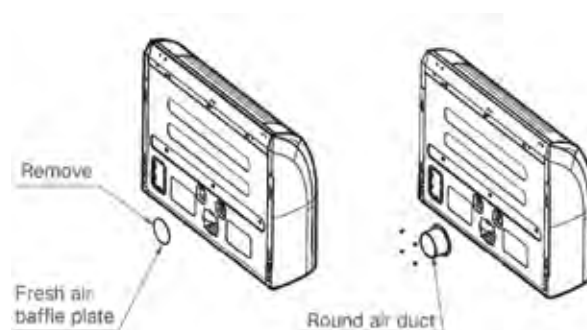
Optional: Wired controller

Hoisted or Seated, Flexible Installation

The unit can be floor mounted or ceiling mounted. When floor mounted, the installation is more convenient.

Fresh Air Intake

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



Model		Unit	FVI-E010BE-A21N	FVI-E013BE-A21N	FVI-E018BE-A21N	FVI-E020BE-A21N	FVI-E022BE-A21N
Cooling Capacity (T1)		kW	2.8	3.6	5.0	5.6	6.3
		Btu/hr	9,600	12,300	17,100	19,100	21,500
Cooling Capacity (T3)		kW	2.5	3.3	4.5	5.0	5.7
		Btu/hr	8,600	11,100	15,400	17,200	19,400
Heating Capacity		kW	3.2	4.0	5.6	6.3	7.1
		Btu/hr	11,000	13,700	19,200	21,500	24,300
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60				
Power Consumption		W	35	35	55	55	80
Air Flow Volume (H/M/L)		CMH	600/500/450	600/500/450	750/650/600	750/650/600	1350/1200/1050
		CFM	353/294/265	353/294/265	441/383/353	441/383/353	795/706/618
Noise		dB(A)	36/32/29	36/32/29	42/39/36	42/39/36	44/41/38
Connecting Pipe	Liquid Pipe	mm (in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")
Drainage Pipe		External Dia. x wall thickness	mm	ø17x1.75	ø17x1.75	ø17x1.75	ø17x1.75
Unit Dimension (WxHxD)		mm	870 x 235 x 665	870 x 235 x 665	870 x 235 x 665	870 x 235 x 665	1200 x 235 x 665
Packing Dimension (WxHxD)		mm	973 x 300 x 770	973 x 300 x 770	973 x 300 x 770	973 x 300 x 770	1303 x 300 x 770
Weight (Net/Gross)		kg	24/29	24/29	25/30	25/30	32/38

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

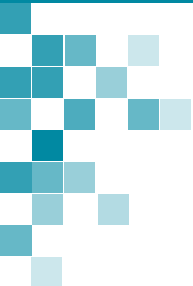
T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.



Model		Unit	FVI-E025BE-A21N	FVI-E032BE-A21N	FVI-E040BE-A21N	FVI-E045BE-A21N	FVI-E050BE-A21N	FVI-E055EE-A21N
Cooling Capacity (T1)		kW	7.1	9.0	11.2	12.5	14.0	16.0
		Btu/hr	24,300	30,800	38,300	42,700	47,800	54,600
Cooling Capacity (T3)		kW	6.4	8.1	10.1	11.3	12.6	14.4
		Btu/hr	21,900	27,700	34,500	38,500	43,000	49,100
Heating Capacity		kW	8.0	10.0	12.5	14.0	16.0	18.0
		Btu/hr	27,300	34,200	42,700	47,800	54,600	61,400
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60					
Power Consumption		W	80	120	120	120	150	175
Air Flow Volume (H/M/L)		CMH	1350/1200/1050	1550/1400/1250	1800/1600/1400	1800/1600/1400	2000/1750/1600	2150/1850/1650
		CFM	795/706/618	912/824/736	1059/942/824	1059/942/824	1177/1030/942	1265/1089/971
Noise		dB(A)	44/41/38	47/44/41	47/44/42	47/44/42	49/45/43	52/48/45
Connecting Pipe	Liquid Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	19.05 (3/4")
Drainage Pipe	External Dia. x wall thickness	mm	ø17x1.75	ø17x1.75	ø17x1.75	ø17x1.75	ø17x1.75	ø17x1.75
Unit Dimension (WxHxD)		mm	1200 x 235 x 665	1200 x 235 x 665	1570 x 235 x 665	1570 x 235 x 665	1570 x 235 x 665	1570 x 235 x 665
Packing Dimension (WxHxD)		mm	1303 x 300 x 770	1303 x 300 x 770	1669 x 300 x 770	1669 x 300 x 770	1669 x 300 x 770	1669 x 300 x 770
Weight (Net/Gross)		kg	32/38	33/39	41/48	41/48	43/50	43/50

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.

Console Type Indoor Unit



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.

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.

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.

Easy Installation

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

Multiple Protection Functions

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

Washable Filter

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

Accessories

Standard: Wireless remote controller and air filter.
Optional: Wired controller

Model		Unit	FVI-G008E-A21N	FVI-G010E-A21N	FVI-G013E-A21N	FVI-G016E-A21N	FVI-G018E-A21N
Cooling Capacity (T1)		kW	2.2	2.8	3.6	4.5	5.0
		Btu/hr	7,600	9,600	12,300	15,400	17,100
Cooling Capacity (T3)		kW	2.0	2.5	3.3	4.1	4.5
		Btu/hr	6,800	8,600	11,100	13,900	15,400
Heating Capacity		kW	2.5	3.2	4.0	5.0	5.6
		Btu/hr	8,600	11,000	13,700	17,100	19,200
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60				
Power Consumption		W	15	15	20	40	40
Air Flow Volume (H/M/L)		CMH	400/320/270	400/320/270	480/400/310	680/600/500	680/600/500
		CFM	235/188/159	235/188/159	282/235/182	400/353/294	400/353/294
Noise		dB(A)	38/33/27	38/33/27	40/37/32	46/43/39	46/43/39
Connecting Pipe	Liquid Pipe	mm (in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe	mm (in)	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
Drainage Pipe		External Dia. x wall thickness	mm	ø28x1	ø28x1	ø28x1	ø28x1
Unit Dimension (WxHxD)		mm	700 x 600 x 215	700 x 600 x 215	700 x 600 x 215	700 x 600 x 215	700 x 600 x 215
Packing Dimension (WxHxD)		mm	788 x 777 x 283	788 x 777 x 283	788 x 777 x 283	788 x 777 x 283	788 x 777 x 283
Weight (Net/Gross)		kg	16/19	16/19	16/19	16/19	16/19

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.

3. The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.

4. All specifications are subjective to change by manufacturer without prior notice.

Floor Standing Type Indoor Unit



Quiet Design

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

Washable Filter

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

Multiple Protection Functions

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

Accessories

Standard: Wireless remote controller and air filter.

Model		Unit	FVI-F036E-A21N	FVI-F050E-A21N
Cooling Capacity (T1)		kW	10.0	14.0
		Btu/hr	34,200	47,800
Cooling Capacity (T3)		kW	9.0	12.6
		Btu/hr	30,700	43,000
Heating Capacity		kW	11.0	15.0
		Btu/hr	37,500	51,200
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60	
Power Consumption		W	200	200
Air Flow Volume (H/M/L)		CMH	1850/1600/1400	1850/1600/1400
		CFM	1089/942/824	1089/942/824
Noise		dB(A)	50/48/46	50/48/46
Connecting Pipe	Liquid Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	15.9 (5/8")	15.9 (5/8")
Drainage Pipe	External Dia. x wall thickness	mm	ø31x4.5	ø31x4.5
Unit Dimension (WxHxD)		mm	1870 x 400 x 580	1870 x 400 x 580
Packing Dimension (WxHxD)		mm	2083 x 545 x 738	2083 x 545 x 738
Weight (Net/Gross)		kg	54/74	57/77

Note:

- Nominal cooling & heating capacities are based on the following conditions:
T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.
T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;
- The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.
- The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.
- All specifications are subjective to change by manufacturer without prior notice.

Concealed Floor Standing Type Indoor Unit



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.

Quiet Design

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

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.

Multi-stage Static Pressure for Adjustment

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

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.



Model		Unit	FVI-J008E-A21N	FVI-J010E-A21N	FVI-J013E-A21N	FVI-J016E-A21N	FVI-J020E-A21N	FVI-J022E-A21N	FVI-J025E-A21N
Cooling Capacity (T1)		kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1
		Btu/hr	7,600	9,600	12,300	15,400	19,100	21,500	24,300
Cooling Capacity (T3)		kW	2.0	2.5	3.3	4.1	5.0	5.7	6.4
		Btu/hr	6,800	8,600	11,100	13,900	17,200	19,400	21,900
Heating Capacity		kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0
		Btu/hr	8,600	11,000	13,700	17,100	21,500	24,300	27,300
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60						
Power Consumption		W	35	35	43	45	80	80	90
Air Flow Volume (H/M/L)		CMH	450/350/250	450/350/250	550/450/350	650/500/400	900/750/600	900/750/600	1100/900/700
		CFM	265/206/147	265/206/147	324/265/206	383/294/235	530/441/353	530/441/353	647/530/412
Noise		dB(A)	30/28/25	30/28/25	33/31/28	33/31/28	35/33/30	35/33/30	37/35/33
ESP		Pa	10/0~40	10/0~40	10/0~40	15/0~60	15/0~60	15/0~60	15/0~60
Connecting Pipe	Liquid Pipe	mm (in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
Drainage Pipe		External Dia. x wall thickness	mm	ø25x1.2	ø25x1.2	ø25x1.2	ø25x1.2	ø25x1.2	ø25x1.2
Unit Dimension (WxHxD)		mm	700 x 615 x 200	700 x 615 x 200	700 x 615 x 200	900 x 615 x 200	1100 x 615 x 200	1100 x 615 x 200	1100 x 615 x 200
Packing Dimension (WxHxD)		mm	893 x 743 x 305	893 x 743 x 305	893 x 743 x 305	1123 x 743 x 305	1323 x 743 x 305	1323 x 743 x 305	1323 x 743 x 305
Weight (Net/Gross)		kg	23/30	23/30	23/30	27/36	32/41	32/41	32/41

Note:

- Nominal cooling & heating capacities are based on the following conditions:
T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.
T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;
- The total indoor unit capacity shall be within 50% to 130% of outdoor unit capacity. Correction of other parameters can be referred to the capacity correction sheet.
- The above-mentioned parameters are tested with standard connection pipe length. In actual engineering, please arrange correction according to the capacity correction with long connection pipe.
- All specifications are subjective to change by manufacturer without prior notice.

Fresh Air Processing Indoor Unit



Air Volume: 1000-4000 m³/h

DC Inverter Technology: adjust the capacity output according to actual needs to ensure stable humidity and reduce power consumption.

Direct evaporative cooling: treat outdoor air to the state which is required indoors to achieve the dual effect of air conditioning and fresh air.

Air conditioner and fresh air linkage: achieve simultaneous air conditioning and fresh air treatment in the same system. When the VRF unit is turned on, the fresh air unit is linked at the same time, worry-free and energy-saving.

Three kinds of connection methods (except FVA-D160E-E21N):

- (1) If the number of connected indoor units is more than one and connecting with conventional VRF indoor units:
 - The total capacity of connected fresh air indoor units and connecting with conventional VRF indoor units cannot exceed 50%~100% of the capacity of outdoor units;
 - The total capacity of connected fresh air indoor units cannot exceed 30% if the capacity of outdoor units.
- (2) If the number of connected indoor units is more than one and all of them are VRF fresh air indoor units:
 - The total capacity of connected fresh air indoor units cannot exceed 50%~100% of the capacity of outdoor units;
- (3) If the number of connected indoor units is only one and it is VRF fresh air indoor unit:
 - The capacity of outdoor unit is not less than the recommended capacity and cannot exceed 10% of the recommended capacity.

FVA-D160E-E21N cannot connect with conventional VRF indoor units, follow rules (2) and (3). Please seek for salesman advise.

Model		Unit	FVA-D045E2-A21N	FVA-D050E2-A21N	FVA-D080E2-A21N	FVA-D085E2-A21N	FVA-D100E2-A21N	FVA-D160E-E21N
Cooling Capacity (T1)		kW	12.5	14.0	22.4	25.0	28.0	45.0
		Btu/hr	42,700	47,800	76,400	85,300	95,600	153,500
Cooling Capacity (T3)		kW	11.3	12.6	20.2	22.5	25.2	40.5
		Btu/hr	38,500	43,000	69,000	76,800	86,100	138,200
Heating Capacity		kW	8.5	10.0	16.0	18.0	20.0	32.0
		Btu/hr	29,000	34,200	54,600	61,400	68,200	109,200
Power Supply		V~Ph~Hz	220-240~1~50 & 208-230~1~60380-415~3~50					
Power Consumption		W	200/350	200/350	400/760	520/860	520/860	1240
Air Flow Volume (H/M/L)		CMH	1200/1000~2000	1200/1000~2000	2000/1500~3000	2500/2000~3500	2500/2000~3500	4000
		CFM	706/589~1177	706/589~1177	1177/883~1766	1177/883~1766	1471/1177~2060	2354
Noise		dB(A)	46/40-50	46/40-50	45/45-54	47/47-54	47/47-54	58
ESP		Pa	150/50~200	150/50~200	200/50~300	200/50~300	200/50~300	200
Connecting Pipe	Liquid Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	15.9 (5/8")
	Gas Pipe	mm (in)	15.9 (5/8")	15.9 (5/8")	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")	28.6 (1-1/8")
Drainage Pipe	External Dia. x wall thickness	mm	ø25x2.5	ø25x2.5	ø25x2.0	ø25x2.0	ø25x2.0	ø33x3.0
Unit Dimension (WxHxD)		mm	1400 x 300 x 700	1400 x 300 x 700	1483 x 385 x 791	1483 x 385 x 791	1483 x 385 x 791	1700 x 650 x 1100
Packing Dimension (WxHxD)		mm	1601 x 365 x 813	1601 x 365 x 813	1578 x 472 x 883	1578 x 472 x 883	1578 x 472 x 883	1893 x 838 x 1463
Weight (Net/Gross)		kg	54/61	54/61	82/104	82/104	82/104	208/266

Note:

1. Nominal cooling & heating capacities are based on the following conditions:

T1: Cooling: indoor 35°C DB/28°C WB, outdoor 35°C; Heating: indoor 7°C DB/6°C WB, outdoor 7°C DB/6°C WB

T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;

2. Defaulted ex-factory of cooling air outlet temperature is set to 18°C and the heating air outlet temperature is set to 22°C.

3. In the column of "Air Volume": The figure before "/" indicates the default air volume of unit before delivery, and the figures after indicate the adjustable air volume range of unit.

4. The sound pressure level will change with the static pressure.

5. All specifications are subjective to change by manufacturer without prior notice.

ENERGY RECOVERY VENTILATOR (ERV)

ERV unit is an air terminal treatment equipment that can purify outdoor fresh air and exchange energy with indoor exhaust air. The unit consists of filter, total heat exchanger and fan. In the total heat exchanger, outdoor fresh air and indoor exhaust air exchange heat and moisture through counter-flow heat exchange, effectively reduce the load of fresh air, and finally send it into the room through specially optimized high static pressure fan.

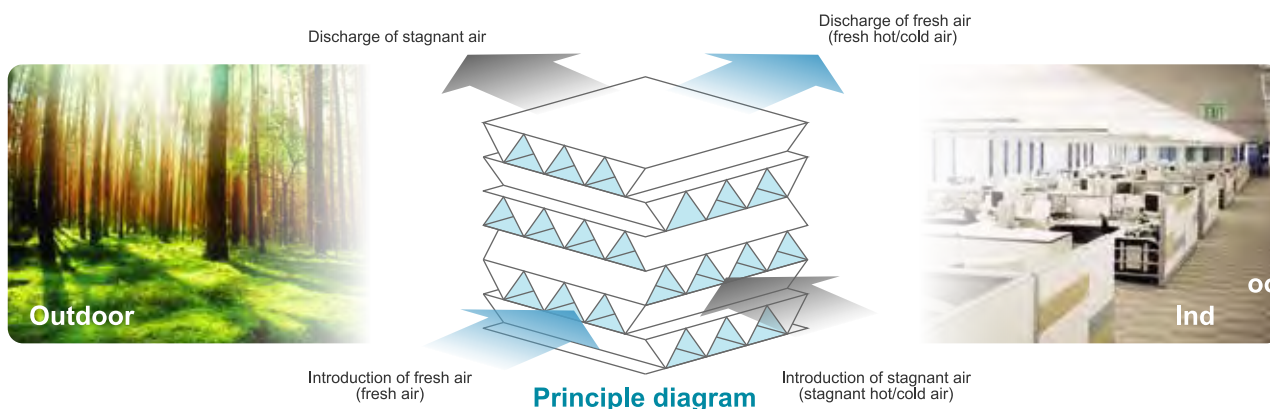


- Air flow: 350~3000m³/ h
- Energy Recovery Ventilation System can introduce the fresh air freely on the condition that all the windows closed or exhausted fan uninstalled. It can solve the problem of stagnant air effectively.

It is usually installed in the ceiling of corridor and supplies fresh air to each room through ducts.

Adopt Advanced Heat Exchange Core

ERV adopts cross flow plate exchanger with air volume below 3,000 m³/h. Fresh air will be introduced and internal leakage is low, which effectively prevent pollution to fresh air.

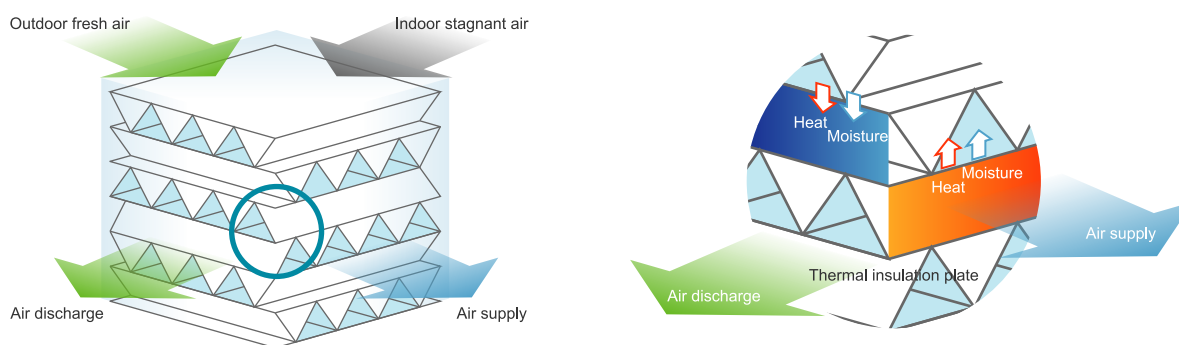


Double-way Ventilation for Fresh Air

ERV can not only introduce lots of fresh air, but also discharge the stagnant air at the same time, which effectively minimizes the toxic air from the inner and other materials. The ventilation effect is very obvious, ensuring enough supply of fresh air to the indoor space.

No Cross Contamination for Ensuring Healthy Fresh Air

The unique cross-flow heat exchange valve sub-assy is adopted. There is only energy exchange between indoor air and outdoor air with little exchange of air, which effectively prevents cross contamination and "air-condition" disease.



Pretreatment of Fresh Air for Energy-saving

When fresh air is introduced, its temperature and humidity will be exchanged with the discharged warm air. As the fresh air is preheated and humidifier, energy is saved and load of unit is reduced.

Specifications & Parameter of ERV

FERV-K Series Specifications

Model		Unit	FERV-D3.5-K	FERV-D5-K	FERV-D8-K	FERV-D10-K
Air Flow Volume		m ³ /h	350	500	800	1,000
ESP		Pa	100	100	110	110
Temperature Exchange Efficiency		%	71.0	68.0	70.0	73.0
Enthalpy Exchange Efficiency	Heating	%	65.0	62.0	63.0	66.0
	Cooling	%	61.0	57.0	60.0	62.0
Power Supply		V~Ph~Hz	220-240~1~50			
Power Consumption		W	165	262	400	440
Noise		dB(A)	37	39	45	46
Unit Dimension (WxHxD)		mm	800 x 306 x 879	800 x 306 x 879	832 x 380 x 1016	832 x 380 x 1016
Packing Dimension (WxHxD)		mm	1050 x 315 x 1165	1050 x 315 x 1165	1087 x 400 x 1320	1087 x 400 x 1320
Weight	Net	kg	45	45	57	57
	Gross	kg	53	53	67	67

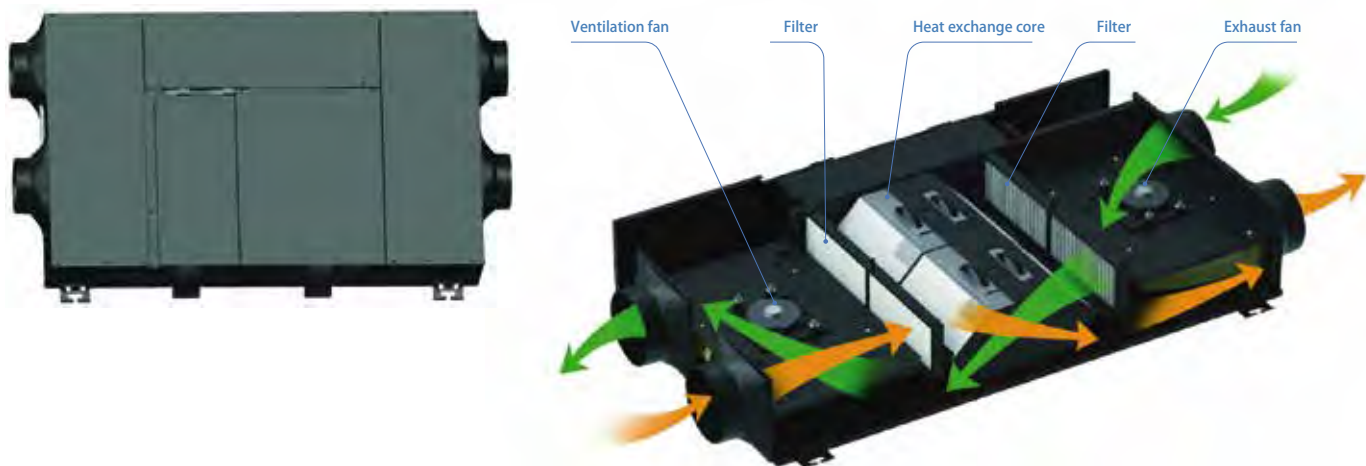
Model		Unit	FERV-D15-M	FERV-D20-M	FERV-D30-M
Air Flow Volume		m ³ /h	1,500	2,000	3,000
ESP		Pa	150	150	220
Temperature Exchange Efficiency		%	73.0	71.0	70.0
Enthalpy Exchange Efficiency	Heating	%	65.0	62.0	62.0
	Cooling	%	60.0	58.0	58.0
Power Supply		V~Ph~Hz	380-415~3~50		
Power Consumption		W	800	950	2800
Noise		dB(A)	48	50	54
Unit Dimension (WxHxD)		mm	1210 x 452 x 1215	1210 x 452 x 1215	1340 x 572 x 1550
Packing Dimension (WxHxD)		mm	1540 x 470 x 1550	1540 x 470 x 1550	1610 x 700 x 1710
Weight	Net	kg	110	110	215
	Gross	kg	130	130	236

Note:

1.All specifications are subjective to change by manufacturer without prior notice.

ENERGY RECOVERY VENTILATOR (ERV)

can connect it with VRF system, can realize linked control



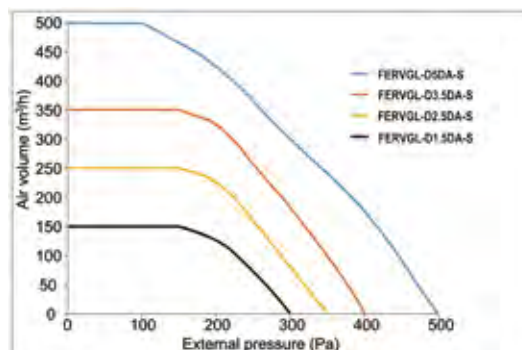
Ultra-thin Body, Convenient Maintenance

Thickness of the unit is 220mm/240mm, the ultra-thin body design meets the requirement that the unit can be installed on a ceiling in a narrow space; the unit adopts lower maintenance port, which is convenient for unit maintenance.



Constant Air Volume Control Technology

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

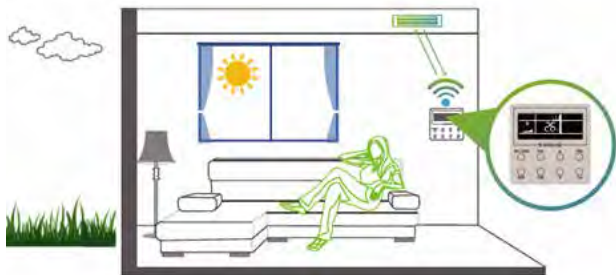


Multiple Control Methods

The unit can realize linkage control with multi VRF indoor unit (It needs to connect multi VRF system for this function).

Manual Control

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



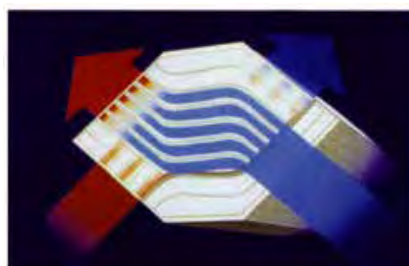
Linkage Control

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



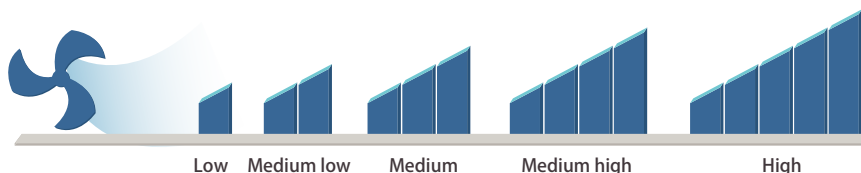
Two-way Flow Heat Recovery

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



Multi-step Air Volume Control

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



FERVGL Series Specifications

Model			FERVGL-D1.5DA-S	FERVGL-D2.5DA-S	FERVGL-D3.5DA-S	FERVGL-D5DA-S	
Rated voltage			V	220-240	220-240	220-240	
Rated frequency			Hz	50/60	50/60	50/60	
Power input			kW	0.05	0.1	0.3	
Current input			A	0.35	0.7	1	
Indoor unit	Airflow volume		CFM	88	147	206	294
			m³/h	150	250	350	500
	ESP	Rated	Pa	100	100	100	100
	Thermal exchange efficiency		%	78	75	65	75
	Sound power level		dB(A)	39	44	49	55
	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/Gross weight		kg	50/58.5	50/58.5	60/70.5	71.5/82.5
Ventiduct	Outer diameter		mm	160	160	160	200
Loading quantity	20'GP/40'GP/40'HQ		set	82/172/195	82/172/195	57/121/140	54/117/131

ENERGY RECOVERY VENTILATOR (ERV) + DX COIL

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



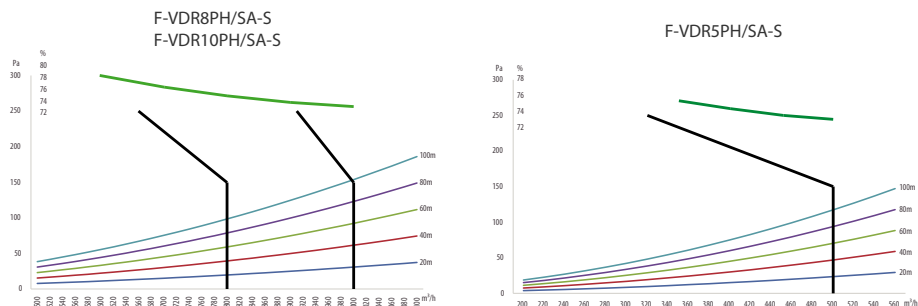
High-efficiency HR module

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



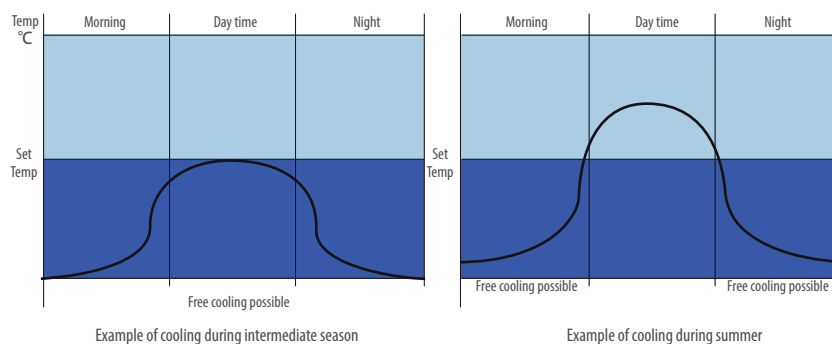
Constant Air Volume

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



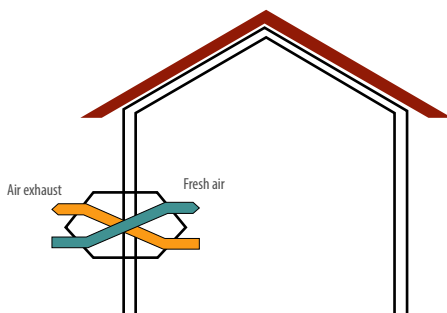
Free Cooling

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



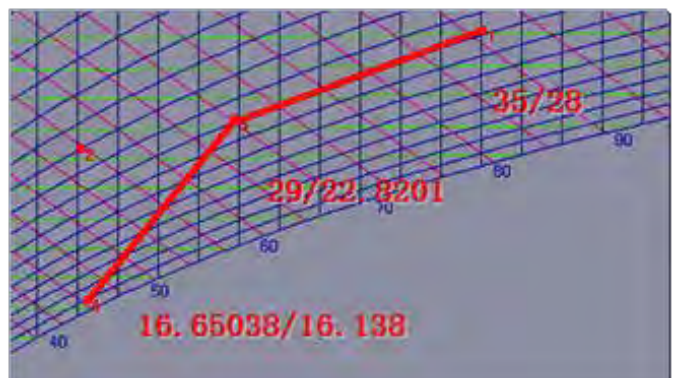
Multiple Air Supply Modes

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



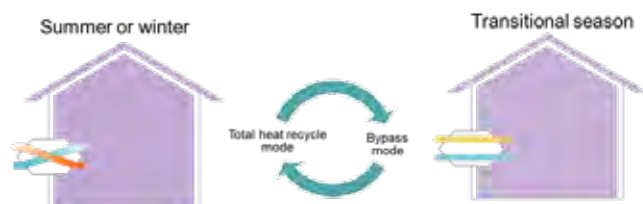
Cooling and Heating Functions

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



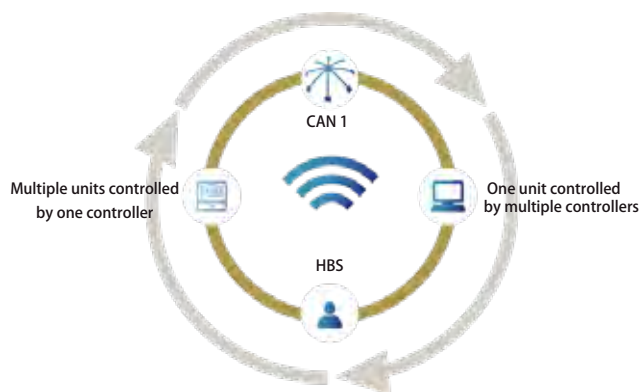
Multiple Operation Modes

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



Linked Control

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



Model			F-VDR5PH/SA-S	F-VDR8PH/SA-S	F-VDR10PH/SA-S	
Rated voltage		V	220-240			
Rated frequency		Hz	50/60			
Cooling capacity		kW	8.5	12.0	14.5	
Heating capacity		kW	4.0	10.6	12.0	
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
			m³/h	500	800	1000
	ESP	Rated	Pa	150	150	150
	Thermal exchange efficiency		%	73	74	73
	Sound power level		dB	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
Ventiduct Outer diameter		mm	200	250	250	
Loading quantity	20'GP/40'GP/40'HQ	unit	20/44/44	16/32/32	16/32/32	
Standard wired controller			XE70-33/H			

CONTROL SYSTEM

Function	Classic wired controller	Access control wired controller	Color screen wired controller	Large matrix wired controller	Remote controller
	XK46	XK79	XK55	XE70-33/H	YAP1F
Dimensions (mm)	112×112	86×86	102×86	112×112	/
Display	Negative segment LCD	Negative segment LCD	TFT LCD	Matrix LCD	Positive segment LCD
Backlight	√	√	√	√	×
Group control (one controller controls 1-6 IDUs at most)	√	√	√	√	/
Subsidiary controller (one IDU can be controlled by two wired controllers)	√	√	×	√	/
Mode	√ (auto, cooling, drying, fan only, heating, floor heating, 3D heating, space heating)	√ (auto, cooling, drying, fan only, heating, floor heating, 3D heating, space heating)	√ (auto, cooling, drying, fan only, heating, floor heating, 3D heating, space heating)	√ (auto, cooling, drying, fan only, heating, floor heating, 3D heating, space heating)	√ (auto, cooling, drying, fan only, heating)
Fan speed	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)
Clock display and setting	√	√	√	√	√
Countdown timer	√	√	√	√	×
Clock timer	√	√	√	√	√
Weekly timer	×	×	√	√	×
Child lock (buttons lock)	√	√	×	√	√
Up&Down swing	√	√	√	√	√
Left&Right swing	√	√	√	√	√
Sleep	√	√	√	√	√
Filter cleaning indication	√	√	√	√	×
Save	√	√	√	√	×
X-Fan	√	√	√	√	√
Quiet	√	√	√	√	×
Absence (8 heating)	√	√	√	√	√
Low-temperature drying	√	√	√	√	×
Access detection	×	√	×	×	×
Unit parameters query	√	√	√	√	×
Unit parameters setting	√	√	√	√	×
Error display	√	√	√	√	×
Remote signal	√	√	√	√	×
Power-off recovery	√	√	√	√	×
Indoor temperature query	√	√	√	√	×
I-Feel	/	/	/	/	√
Set back	×	√	×	×	×
Independent swing for cassette units	×	×	×	√	×

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

Controller Function Lineup

Function	Centralized controller CE52-24/F(C)	E-Smart zone controller CE54-24/F(C)
Maximum number of controllable indoor units	255	32
Maximum number of controllable systems	16	16
Screen size	7 inch	4.3 inch
Screen resolution	1280×800	480×272
Touch mode	Capacitor touch	Capacitor touch
Power supply	100-240V AC	100-240V AC
Dimensions (W×H×D) (mm)	185×128×11	128×86×11
On/Off setting	√	√
Mode setting	√	√
Temperature setting	√	√
Fan speed setting	7 fan speeds	7 fan speeds
Swing setting	√	√
Shield setting	√	√
Ambient temperature display	√	√
°C / °F display	√	√
DST	√	×
Clock display	√	√
Authority management	√	√
Group management	√	√
Schedule management	√	√
Special schedule	√	×
Emergency stop	√	×
Parameter query	√	√
Engineering setting	√	√
Error records	√	√
IDU sort	√	×
Name and icon setting	√	√
Run time	√	×
Data export	Support TF card export	×
Language	• English • Simplified Chinese • Traditional Chinese • Spanish • French • Portuguese • German • Turkish • Russian • Italian • Dutch	• English • Simplified Chinese • Traditional Chinese • German
Applicable units	Air conditioner Water heating units Floor heating units Fresh air units	Air conditioner

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

Controller

Controller YAP1F

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



Wired Controller XK46

- Moisture-proof design;
- LCD with black background and white words; touch buttons;
- Clock can be displayed and set; 24 hours timer setting for on/off;
- 7 fan speeds, up & down swing and left & right swing;
- Can be switched in auto, cooling, dry, 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; can simultaneously control 16 sets of IDUs at most;
- Available functions: sleep, ventilation, quiet/auto quiet, light, energy saving, drying, memory, low-temperature dehumidifying, absence in heating, filter cleaning reminder, etc.;
- Detect ambient temperature; receive infrared remote controller signal;
- With project parameters viewing and setting functions.



Wired Controller XK79

- Small and fashionable appearance with thickness only of 12mm, backlighting LCD with black background and white words, touch buttons;
- Clock can be displayed and set in countdown and clock timer;
- 7 fan speeds, up & down swing and left & right swing;
- Can be switched in auto, cooling, dry, 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; can simultaneously control 16 sets of IDUs at most;
- Detect ambient temperature; receive infrared remote controller signal;
- With project parameters viewing and setting functions;
- Door control system can be connected, and door card can control ON/OFF of air conditioner;
- Sleep, ventilation, quiet/auto quiet, light, energy saving, drying, memory, low-temperature dehumidifying, absence in heating, and filter cleaning reminder functions can also be set.



Wired Controller XE70-33/H

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



Wired Controller XK55

- With project parameters viewing and setting functions;
- HD color dot matrix LCD, good-looking and user-friendly;
- 7 fan speeds, up & down swing and left & right swing;
- Detect ambient temperature;
- Capacitive touch screen, and supports infrared remote control signal reception;
- Can be switched in auto, cooling, dry, 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; can simultaneously control 16 sets of IDUs at most;
- Sleep, ventilation, quiet/auto quiet, light, energy saving, drying, memory, low-temperature dehumidifying, absence in heating, and filter cleaning reminder functions can be set;
- Complete timer function, three weekly timers and one countdown can be set simultaneously;
- Under weekly timers function, mode, temperature and fan speed can be preset;
- Simple and decent appearance, bottom case 86 box design for convenient engineering installation.



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

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



Centralized Controller CE52-24/F(C)

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

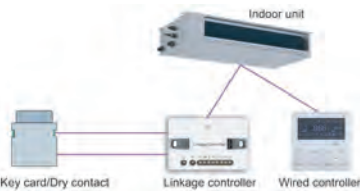
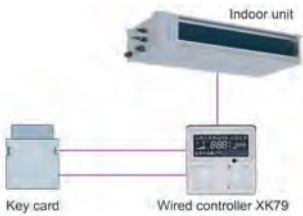
E-Smart Zone Controller CE54-24/F(C)

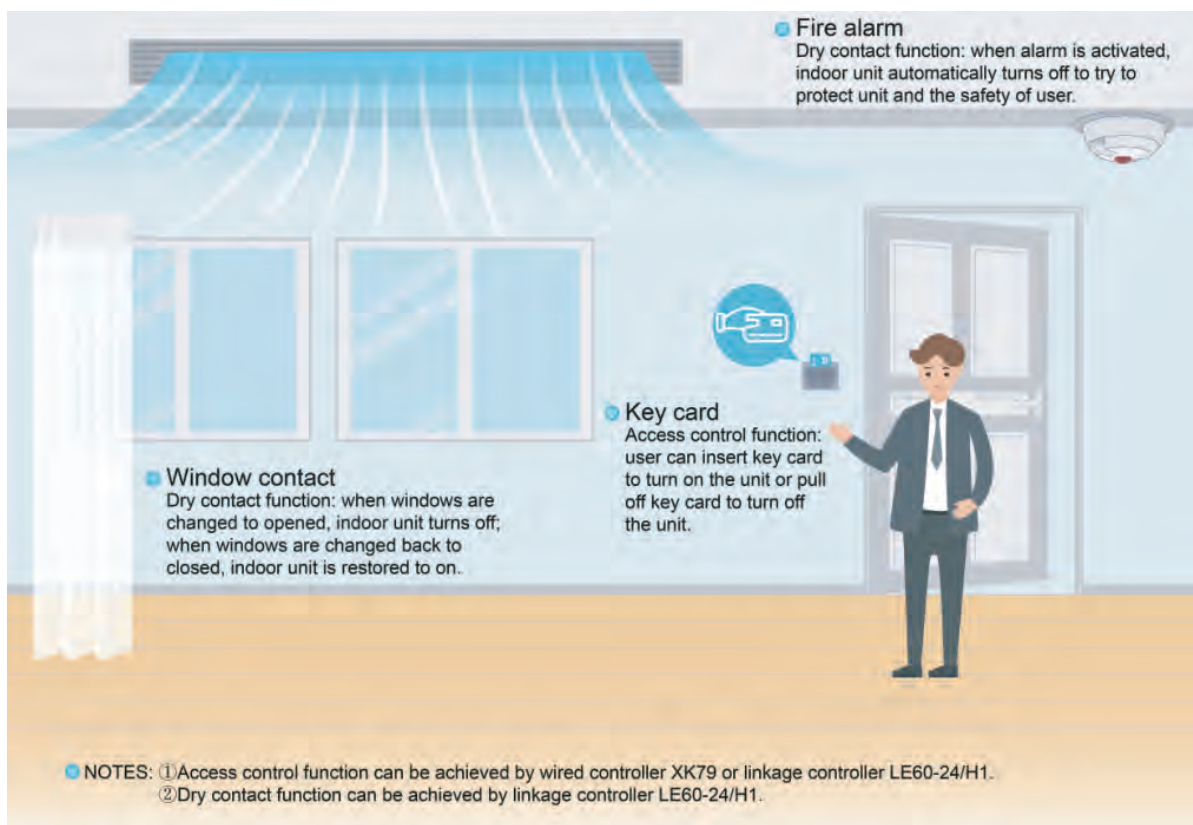
- Colorful LCD;
- Elegant and fashionable appearance;
- 4.3-inch capacitive touch screen for easy operation;
- Support maximum 32 indoor units, with powerful function;
- Indoor or outdoor unit network can be connected, simple and flexible;
- Embedded installation in wall with projecting thickness only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

Key Card Interface Modules

Indoor unit connects access control system through linkage controller LE60-24/H1 or wired controller XK79 to realize unit off by removing the access card or unit on by inserting the access card, which is suitable for occasions such as hotel, where the access control linkage is needed to control the air conditioner.

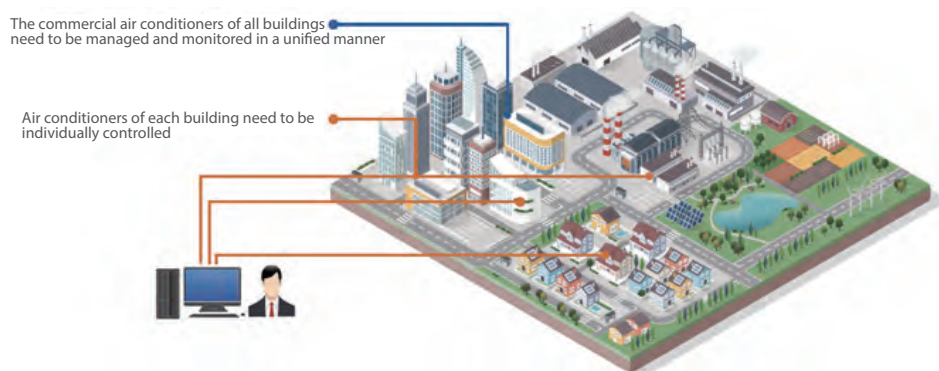
Moreover, linkage controller LE60-24/H1 has two groups of dry contact signal interface, which can connect the switch signal of fire alarm or window to turning on or turning off indoor unit.

Model	Linkage Controller LE60-24/H1	Wired Controller XK79
Appearance		
Wiring diagram	 Note: It's used with different models of wired controller or independently connects indoor unit for operation.	
Access control interface	AC100-240V/DC5-24V	AC100-240V/DC5-24V
Dry contact interface	2 groups	Null
Dimensions(H×W×D)(mm)	63×94.5×29	86×86×12
Power supply	18V DC(supply power by indoor unit)	
Applicable range	All series of VRF	

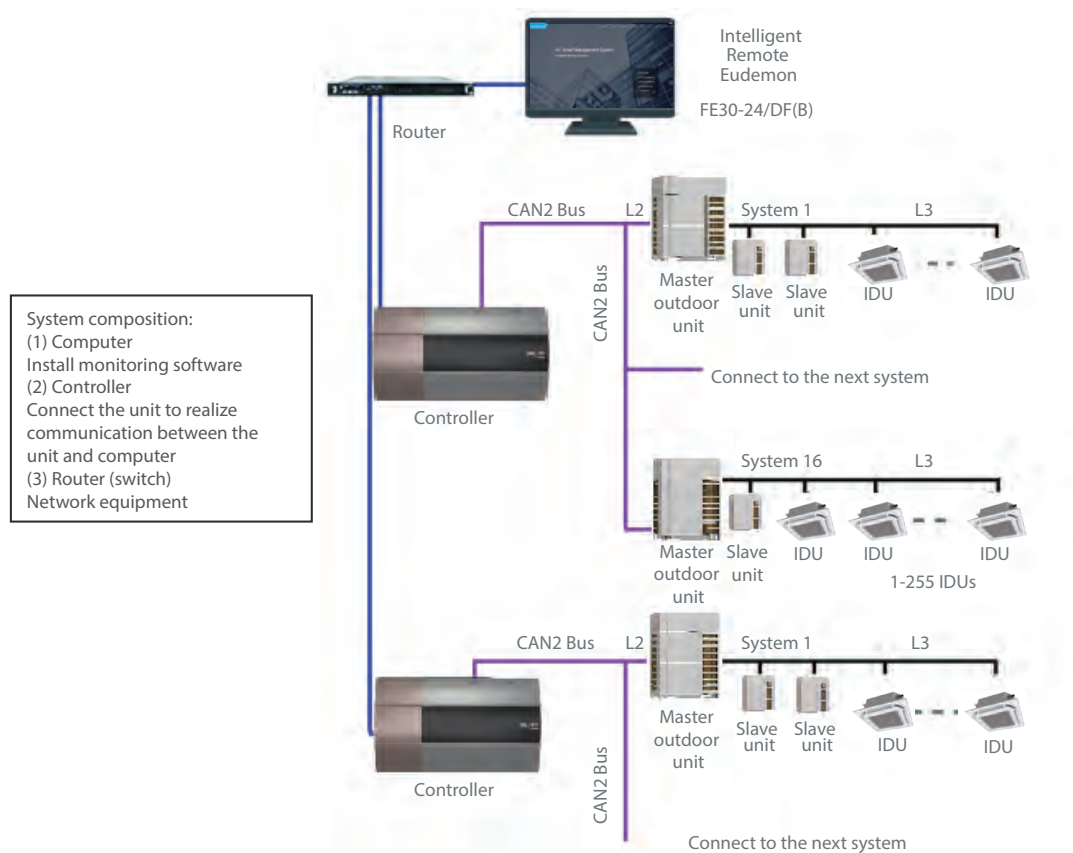


Intelligent Remote Eudemon

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



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



Notes:

- (1) One controller can connect 16 systems or 255 sets of indoor units;
- (2) The communication bus between the unit systems is CAN2 bus.

Intelligent Assistant

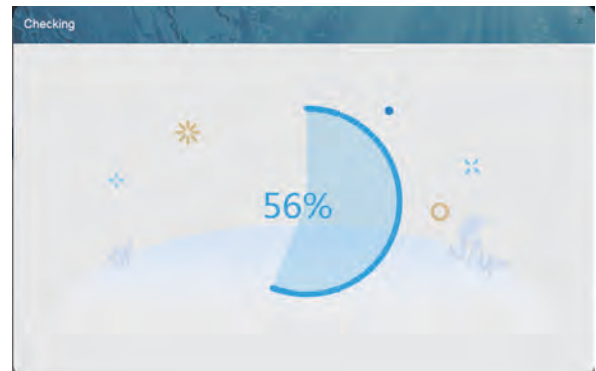
One-stop Debugging

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



Intelligent Physical Examination

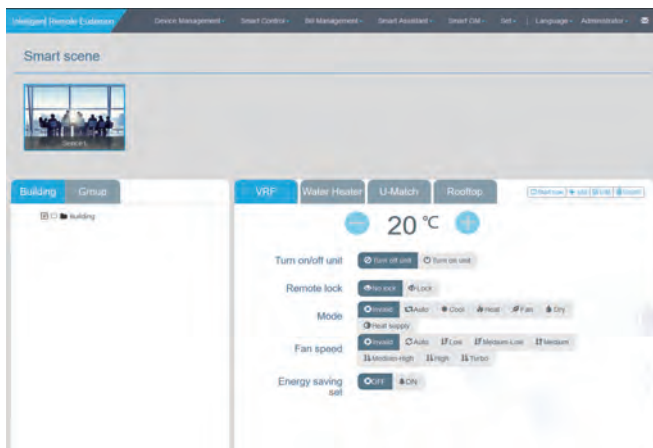
The equipment status can be understood directly and the user can control the health of the unit by themselves.



Intelligent Control

Smart Scenes

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



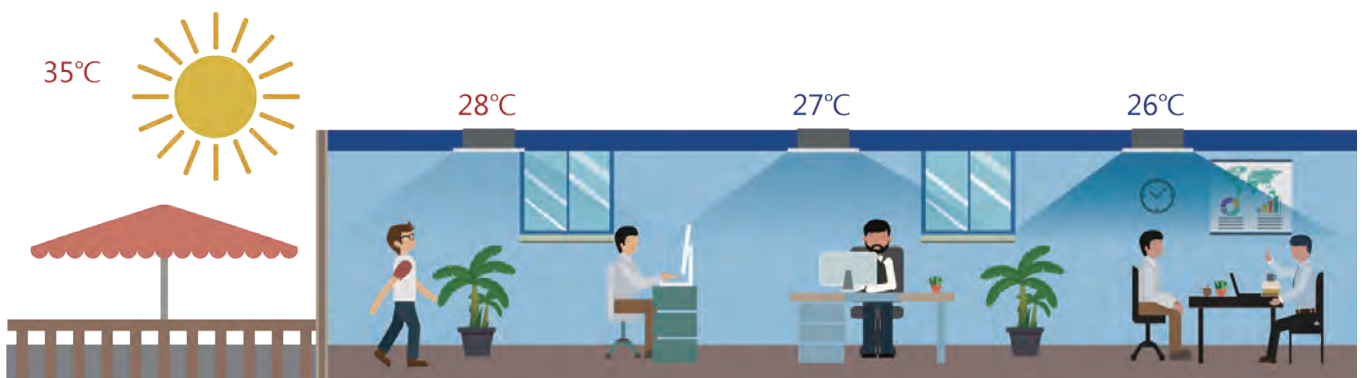
Soft Start

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



Temperature Field

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



Smart Operation and Maintenance

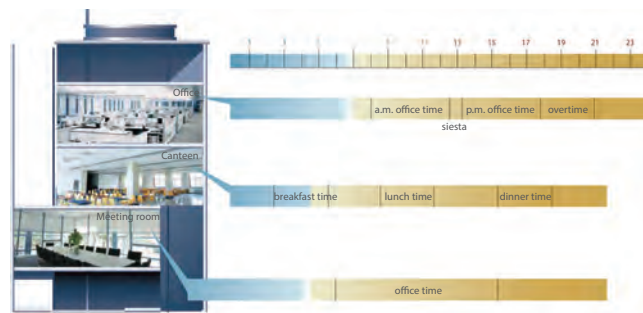
VIP Exclusive Service

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



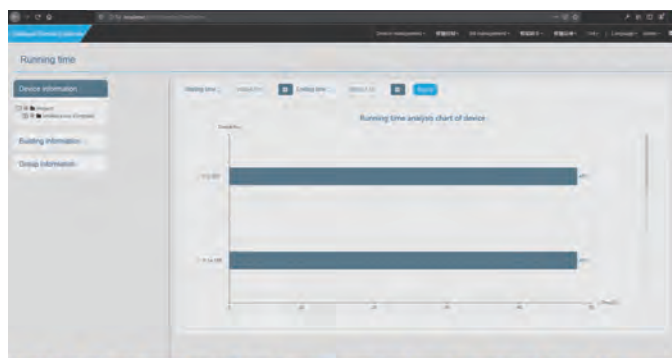
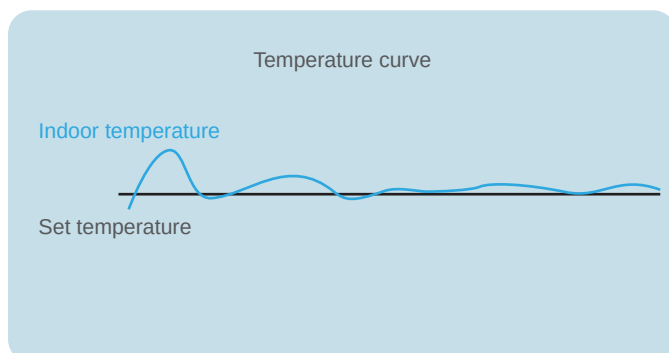
Schedule Management

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



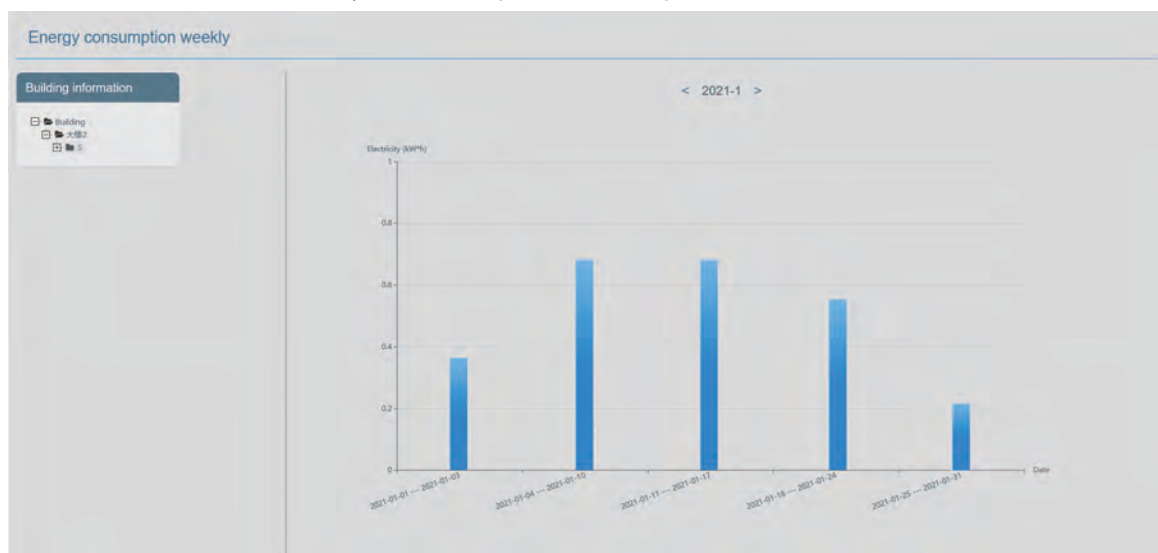
Green Assistant

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



Weekly Energy Consumption Report

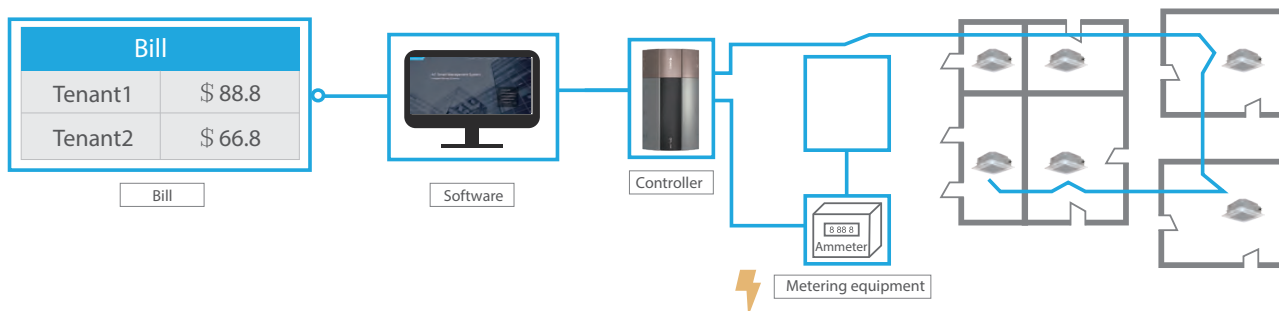
Electricity statistics are carried out on a weekly and monthly basis. The background color is used to reflect the electricity consumption, and the user can accurately control the power consumption of the unit.



Intelligent Billing

Intelligent Billing is a solution to power consumption calculation and billing specialized for VRF units.

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



Billing Management

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

Flexible Bill Export

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

Bill for Air Conditioner				
Room	601			
Time	2016/08/01-2016/08/31			
No.	Equipment	Operation/KWH	Standby/KWH	Subtotal
1	IDU 1	12.5	0.55	13.05
2	IDU 2	11.6	0.21	11.81
3	IDU 3	13.2	0.36	13.56
Total	38.42			

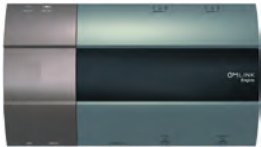
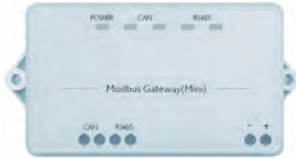
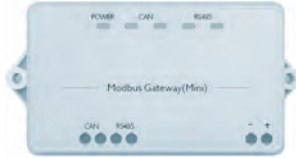
Compatible to Different Electric Meters

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

Remark: Please check with local sales distributor, intelligent billing and billing management may not available in certain market.

Building Protocol Gateway

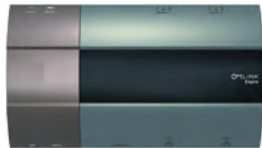
Modbus Gateway

Name	Model	Key Parameters	Application	Photo
VRF Protocol Gateway	ME30-24/D1(BM)	Capacity: 255 sets of indoor unit (within 16 systems) Protocol: Modbus RTU, Modbus TCP	It is generally used in large buildings such as office buildings, commercial streets, hospitals, and rail transits to connect to BAS to achieve centralized management of air conditioner.	
Modbus Gateway (Mini)	ME30-24/E6(M)	Capacity: 128 sets of indoor units (within 16 systems) Expansion port: No Protocol: Modbus RTU	It is generally used for small and medium-sized projects such as villas and apartment buildings. It is used for docking with BAS systems or smart home systems. Since there is no I/O interface, the capacity is small, and it is a low-cost solution.	
H2M Gateway	ME31-33/EH1(M)	Capacity: 1-16 sets of indoor units Expansion port: No Protocol: Modbus RTU	Generally, it is an intelligent solution for hotel and household environment. The indoor unit directly connects to the controller of the hotel room RCU or the residential smart home system.	

BACnet Gateway

BACnet features high communication efficiency, flexible protocol and convenient debugging.

Fujiaire BACnet gateway can realize the conversion of multi VRF unit's CAN protocol data into BACnet protocol data, as a bridge for data exchange between air conditioner and BAS.

Name	Model	Key Parameters	Application	Photo
VRF Protocol Gateway	ME30-24/D1(BM)	Capacity: 255 sets of indoor unit Protocol: BACnet	Mainly used in the docking of medium and large building automatic control projects.	

KNX Gateway

KNX gateway can realize the conversion of multi VRF indoor unit HBS protocol data to KNX protocol data. It is mainly used in hotels, households and other environments to achieve docking with room control units or smart homes.

- Standard KNX equipment, easy to install and configure
- Bus power supply, carrier communication
- Preset multiple scene modes and support user self-editing
- Support the monitoring of equipment's status information and error information
- CE, ETL, KNX certificates

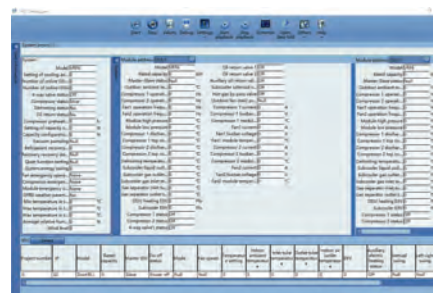
Name	Model	Key Parameters	Application	Photo
S2S KNX Gateway	ME30-24/F1(K)	Capacity: 1-16 sets of indoor units Expansion port: No Protocol: KNX	It is generally used in hotels and smart home systems to ensure that the intelligent system directly connects to indoor units and realizes equipment integration in a small area.	

Intelligent Debugging Software

FVI-E offers intelligent debugging software to end users for faster construction needs.

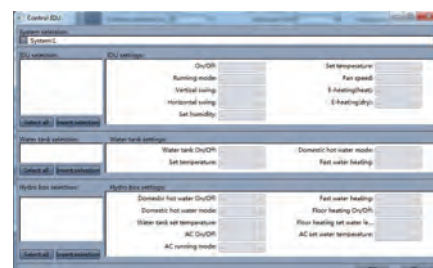
Monitoring Functions

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



Control Functions

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



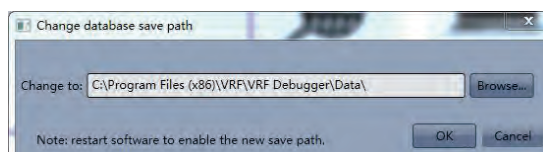
Project Debugging Functions

- 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 debugging errors; light yellow icons display debugging information.

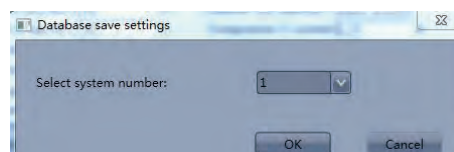


Auto Data-Saving Function

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



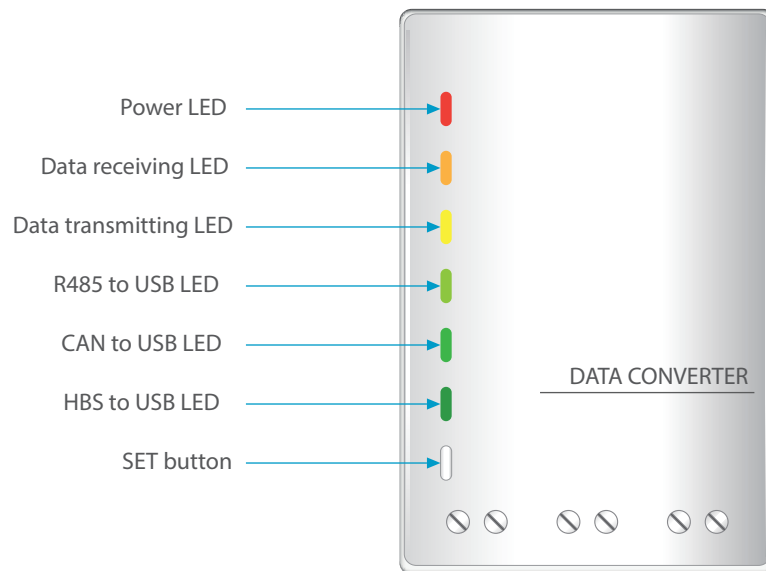
Step 1: Change Database Saving Path



Step 2: Database Save Setting

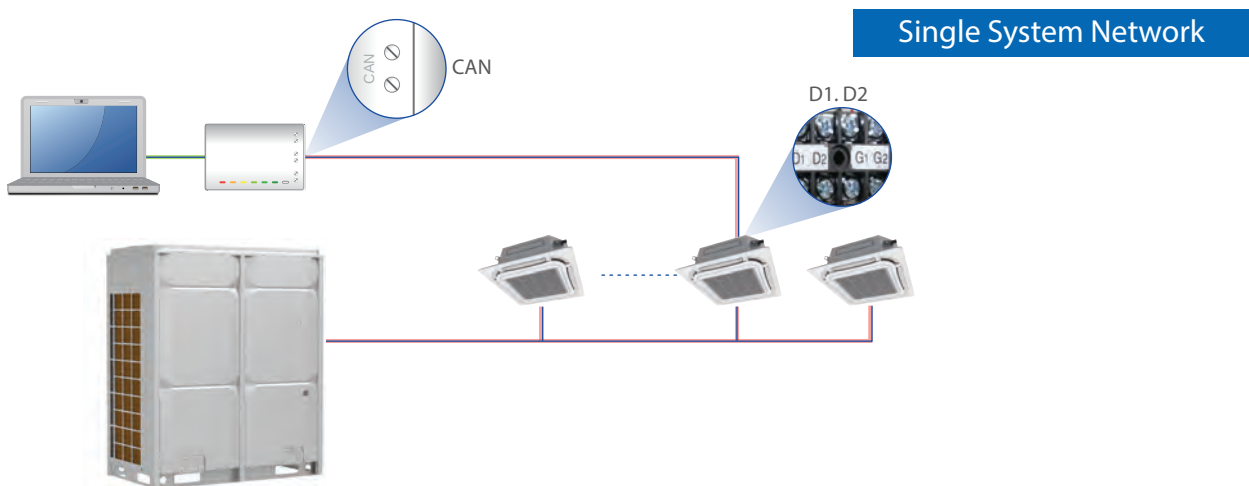
USB Data Converter

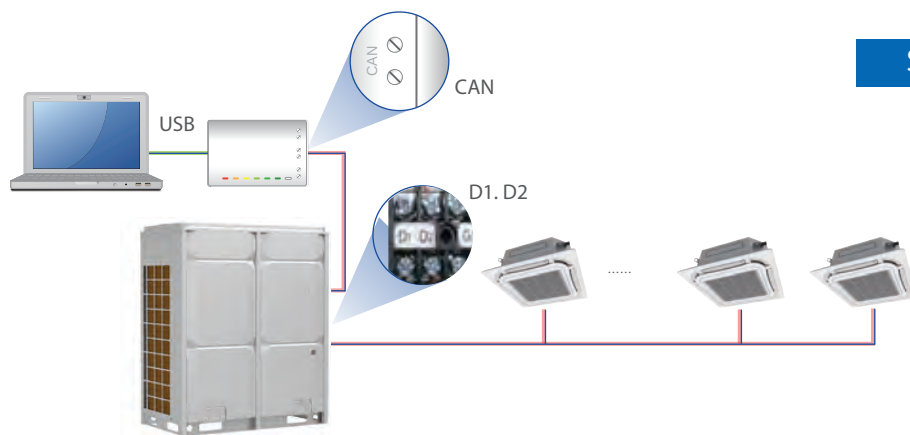
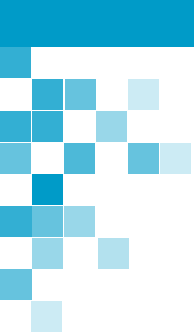
- Users can use USB data converter to freely convert CAN/HBS/RS485 data into USB data, achieving data interchange between computer and air conditioner.



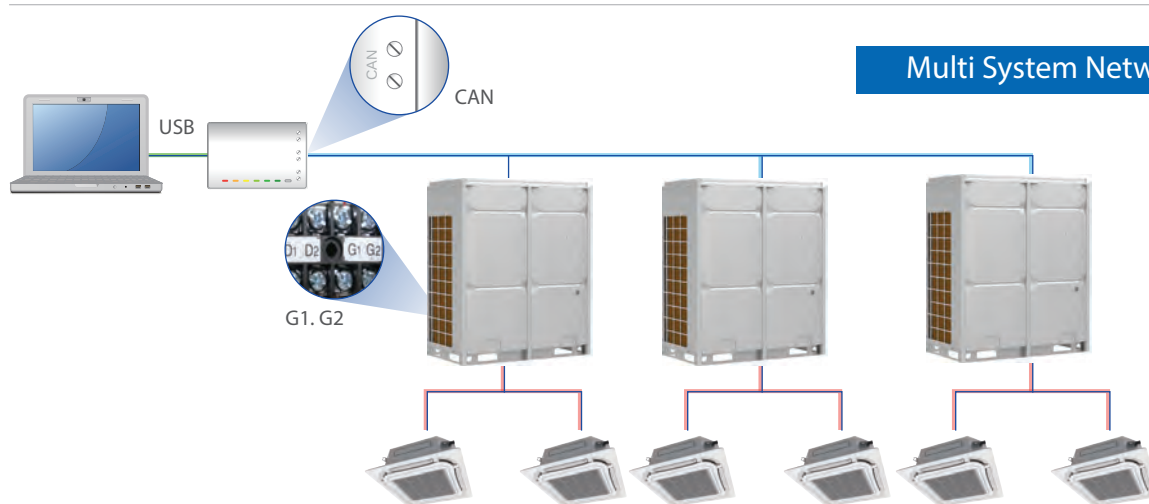
Auto Direction of Connection Way

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





Single System Network



Multi System Network

Outdoor Unit Protective Kit Against Snowstorm and Hail

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



CF898



CF899



Model	CF898	CF899
Number of parts	4	5

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

Branching Joint

For Indoor & Outdoor Units

Model	Total capacity (xkW)	Appearance	
		Gas pipe	Liquid pipe
FQ01A/A	$X < 20$		
FQ01B/A	$20 \leq X \leq 30$		
FQ02/A	$30 < X \leq 70$		
FQ03/A	$70 < X \leq 136$		
FQ04/A	$136 < X$		

For Outdoor Units

Model	Appearance	
	Gas pipe	Liquid pipe
ML01/A		

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)	Gas pipe(mm)	Liquid pipe(mm)	Model of manifold pipe
$X \leq 40.0$	$\leq \Phi 25.4$	$\leq \Phi 12.7$	FQ14/H1
$X \leq 68.0$	$\leq \Phi 28.6$	$\leq \Phi 15.9$	FQ18/H1
$68.0 < X$	$\geq \Phi 31.8$	$\geq \Phi 19.05$	FQ18/H2

Branching Joint (For HR units)

For Outdoor Units and Mode Exchanger

Model	Total capacity of the downstream indoor units X(kW)	Appearance		
		High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe
FQ01Na/A	$X \leq 5.0$			
FQ02Na/A	$5.0 < X \leq 22.4$			
FQ03Na/A	$22.4 < X \leq 28.0$			
FQ04Na/A	$28.0 < X \leq 68$			
FQ05Na/A	$68 < X \leq 96$			
FQ06Na/A	$96 < X \leq 135$			
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	$X \leq 14.2$		
FQ01B/A	$14.2 < X \leq 28.0$		

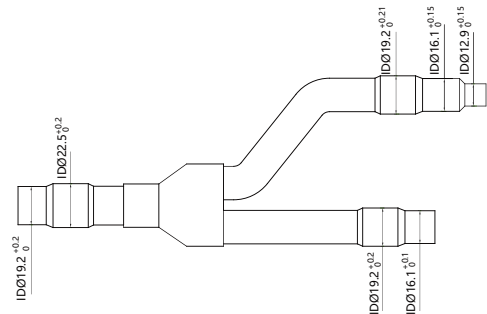
For Outdoor Units

Model	Module's capacity X(kW)	Appearance		
		High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe
ML01R	$50.4 \leq X \leq 96$			
ML02R	$96 < X$			

For HR Mode Exchanger and Hydro Box

Model	Capacity of the hydro box X(kW)	Appearance	
		Gas pipe	Liquid pipe
FQ01B/A	$X=30$		

Branching Joint (For AHU KIT)

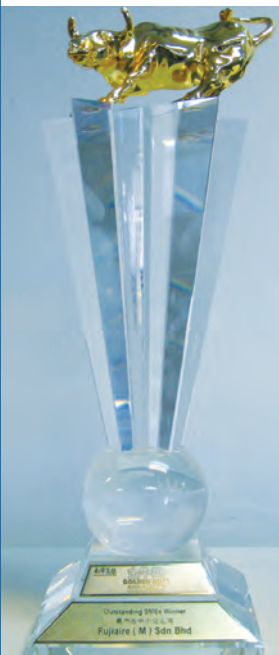
Model	Appearance
FQ02U/A	

AWARD WINNING

Winner of Brand Excellence Award 2006, Ministry of International Trade and Industry



Winner of 2006 Top Small Medium Industry Golden Bull Award



AWARD WINNING

Winner of 2007 Enterprise 50 Award (Top 50 Enterprises in Malaysia)



Winner of Brand Laureate Award 2008



FUJIAIRE MARKET PRESENCE

Domestic Market Presence



Global Market Presence



NOTABLE DOMESTIC PROJECTS



1 Sentrum K Sentral



United Parcel Service (UPS)
Headquarters



Suasana Bangsar



Universty College Sedaya International



Hartama Regency
Luxury Condominiums



Mercedes 3 SuperCenter



Sungei Wang Shopping Mall

NOTABLE INTERNATIONAL PROJECTS



Kemany Village Mall, Jakarta



Carrefour Bekasi Square, Bekasi



Mall of Indonesia



Novotel, Bandung



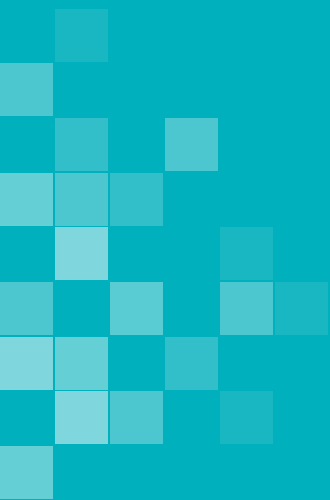
National Development Bank of Sri Lanka, Sri Lanka



Sogo Central Mall, Jakarta



Shangri-La Condominiums, Jakarta



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