

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
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Краснодар (861)203-40-90
Красноярск (391)204-63-61
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Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
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Сыктывкар (8212)25-95-17
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Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://fujiaire.nt-rt.ru> || feu@nt-rt.ru



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.

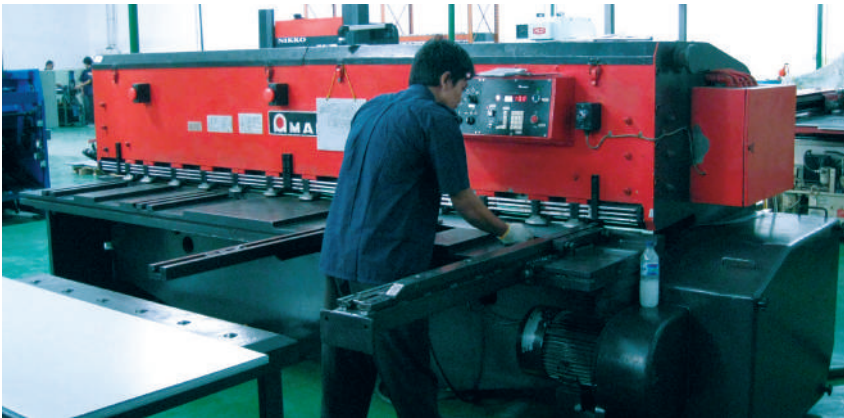
CORPORATE SHOWROOM



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-E SERIES





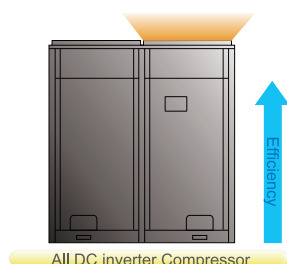
Key Features

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.

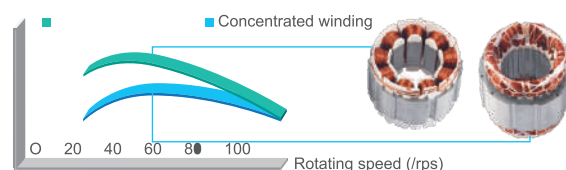


HP chamber structure can raise the high and middle frequency performance

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

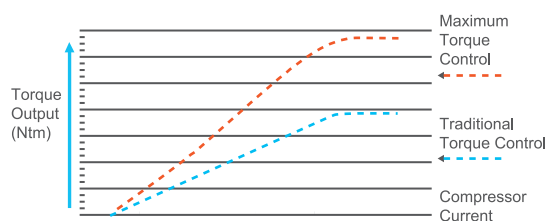


- High-efficient permasyon motor is adopted to provide better performance than traditional DC inverter compressor.



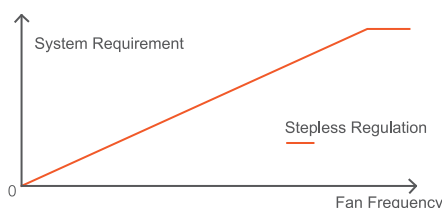
- Technology of Maximum Torque Control with Minimum Current**

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

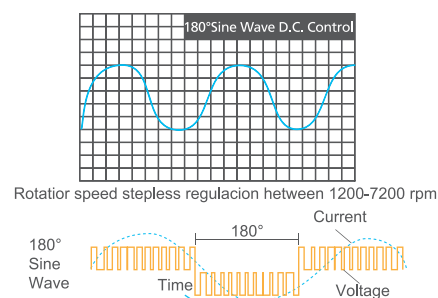
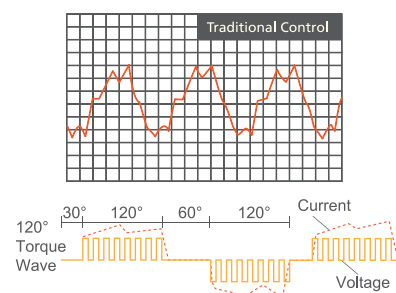


- Low-frequency Torque Control**

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

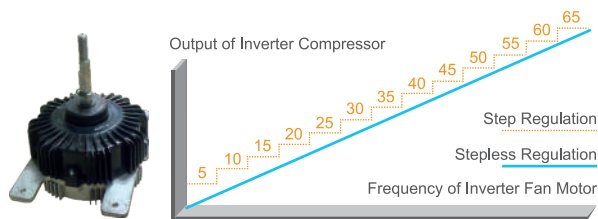


- 180° Sine Wave DC Speed Varying Technology**
It can satisfy various places' demands for different temperature and is able to save a great deal of electricity and provide users with utmost comfort at the same time.

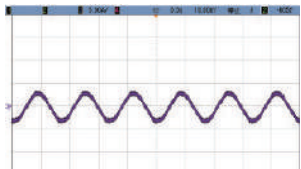


Sensorless DC Inverter Fan Motor

- Stepless speed regulation ranges from **5Hz** to **65Hz**. Compared with traditional inverter motors, the operation is more energy-saving.
- Sensorless control technology guarantees lower noise, less vibration and steadier operation.



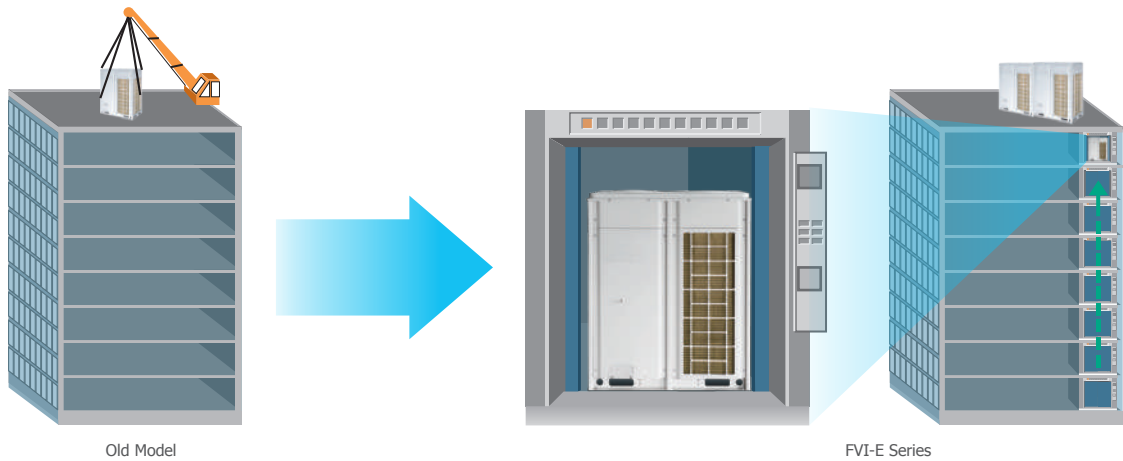
Before



After

Compact design

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



Non-polar CAN Technology to Improve Communication Efficiency

- CAN communication technology provides quicker system response speed, more convenient installation debugging and more reliable communication data.

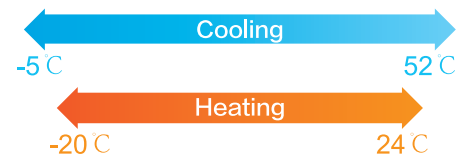
Performance Index	Company A Multi-VRF Network	FVI-E DC Inverter CAN Network
Reliability	Software check	Hardware check, more reliable
	One unit's communication error may lead to a breakdown of the whole network	If one unit has errors, it will exit from the network without any influence to other units.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

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



Wide Range of Voltage and Operation Condition

- Working voltage range of FVI-E Series system has been improved to **320V~460V**. For places with unsteady voltage, this system can still be running well.
- Outdoor operation temperature range is improved to **-5℃~52℃ in cooling** and **-20℃~24℃ in heating**.



Wider Applicable Location

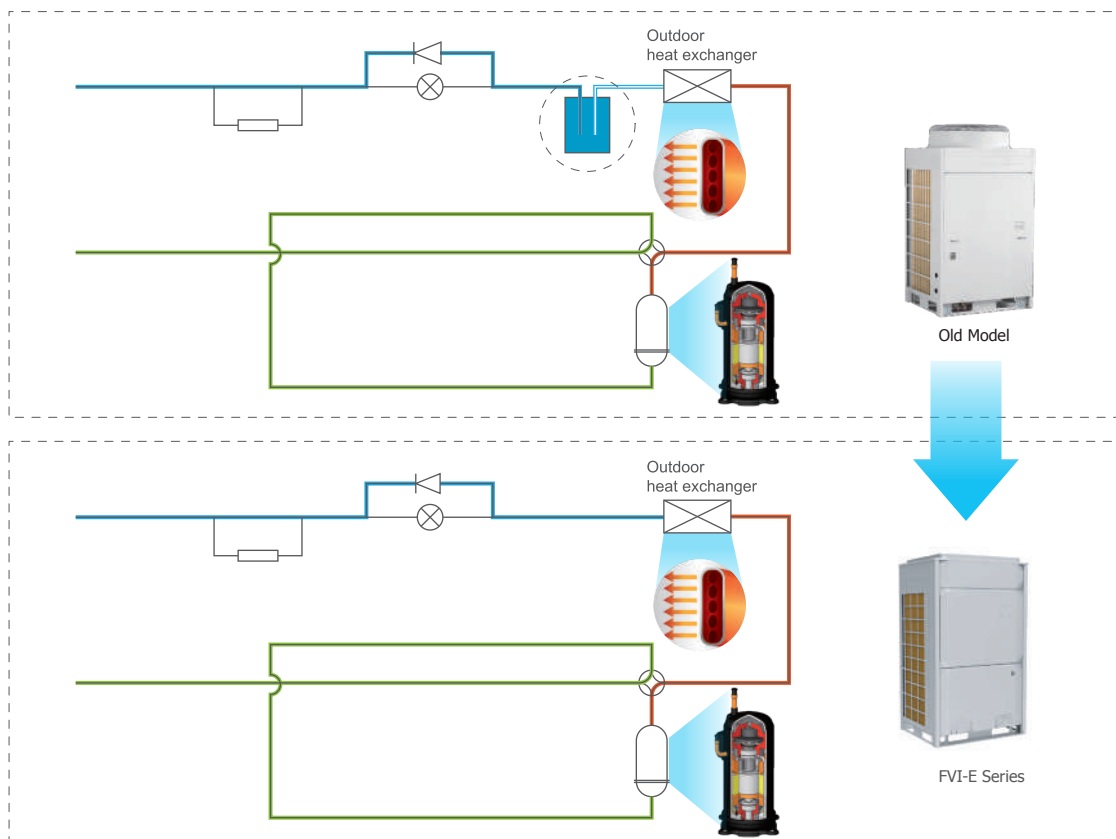
FVI-E Series can realize a combination of 4 outdoor unit modules connecting with as many as **80** indoor units. It's especially applicable for business building or hotels.



Max.IDU Connection: **80** sets

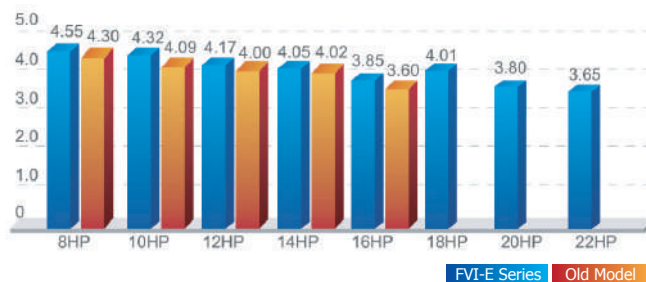
Refrigerant Storage and Distribution

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



High Efficiency and More Energy Saving

Thanks to the advanced all DC inverter technology, optimized system design and accurate intelligent control technology, taking model FVI-E series, EER is up to 4.31 while COP is up to 4.55.



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

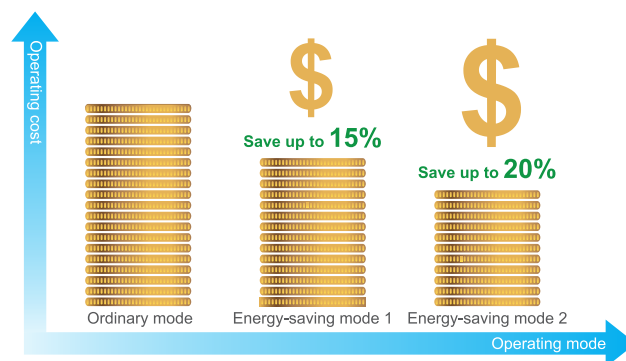
FVI-E series system has 2 modes for energy saving, which can be chosen to meet different electricity demands.

Mode 1:

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

Mode 2:

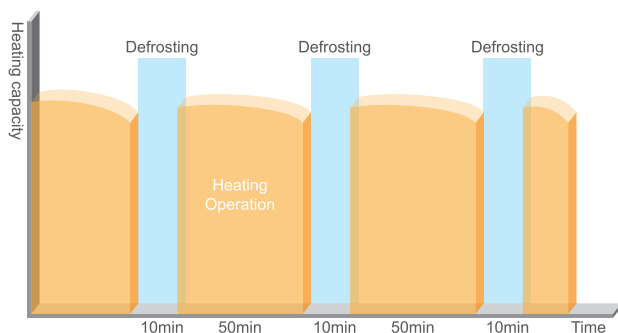
In compulsory energy-saving mode, the system will limit power output forcibly. Up to 20% of energy can be saved.



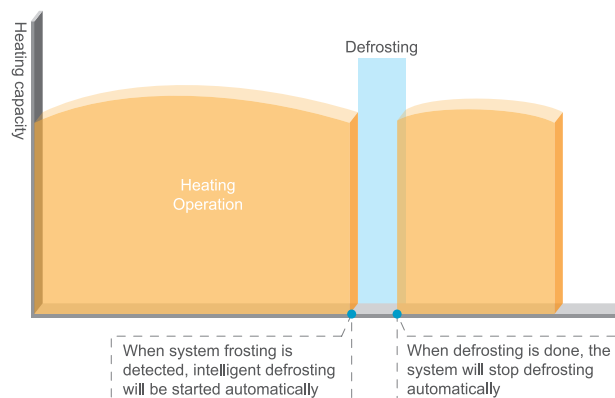
Comfortable Heating

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

Traditional Defrosting Mode



Intelligent Defrosting Mode



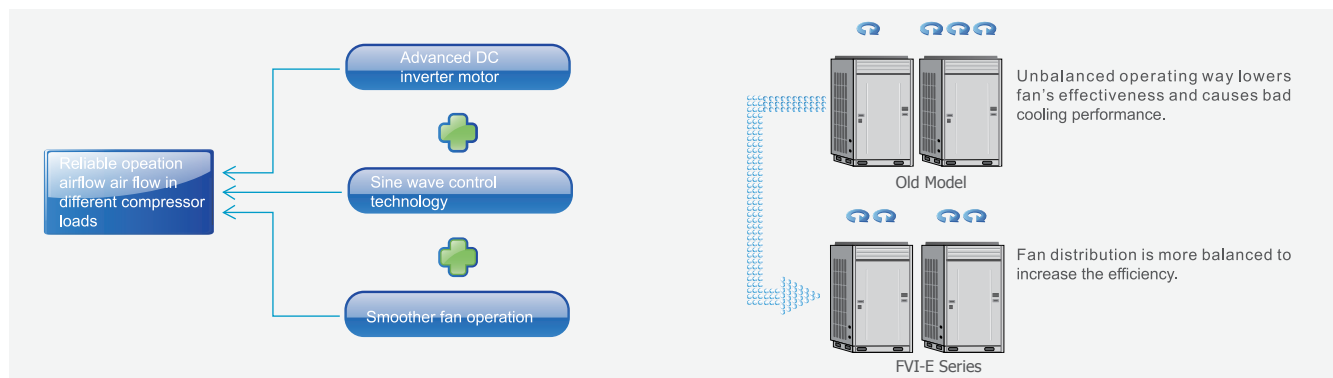
Accurate Intelligent Allocation Technology of Capacity and Output of Optimal Portion to Ensure Highest Efficiency

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

	Old Model	FVI-E Series
Allocation Method	10HP(full load) + 2HP(low load)	6HP(partial load) + 6HP(partial load)
Performance Compared	Unit costs more energy and may be soon damaged.	Unit costs less energy and can always be kept in good condition.

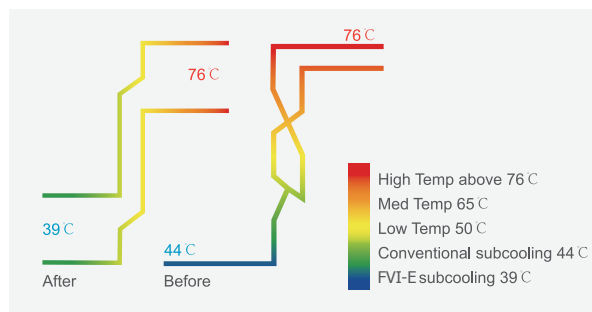
Output of Optimal Portion to Ensure Highest Efficiency

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

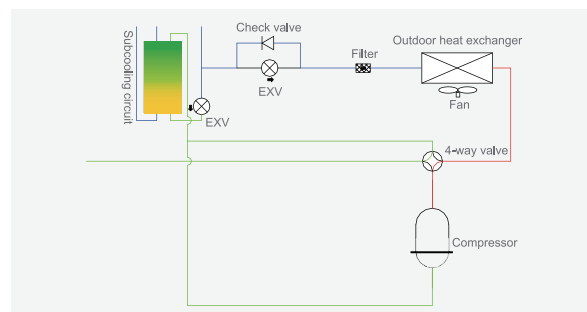


Sub-cooling Control Technology to Ensure Optimal Cooling and Heating

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



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



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

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

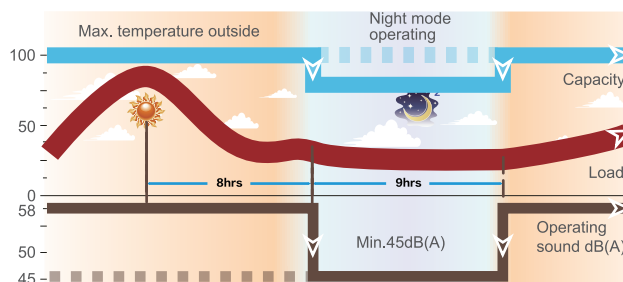
Comfortable Design for A Better Life

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

Outdoor Unit Quiet Mode and Quiet Control

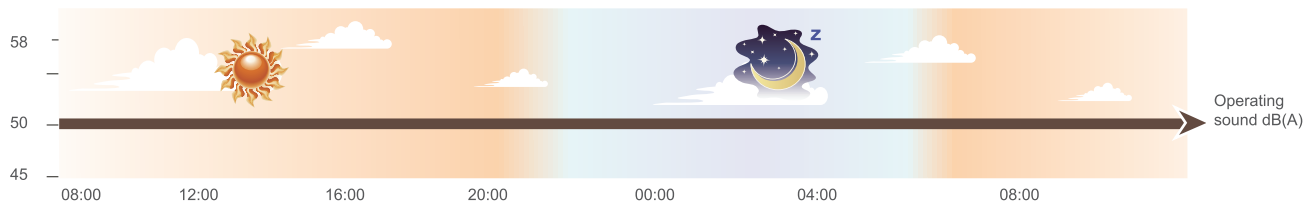
● Quiet at night

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



● Quiet in compulsion

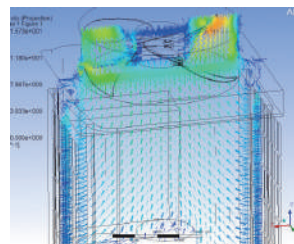
The system can also be set in this mode to ensure low noise as long as it is operating. Noise is as low as 45dB(A).



● Quiet Control

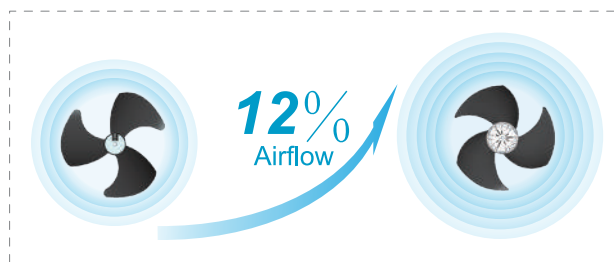
1. Optimized Bossing Design

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



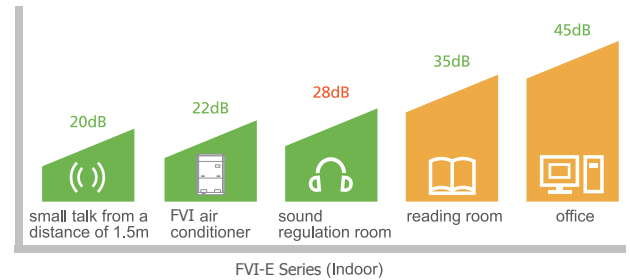
2. Aerodynamics 3D Axial Fan

Compared with conventional fan, it can increase air volume by 12%, improving efficiency as well as lowering noise.



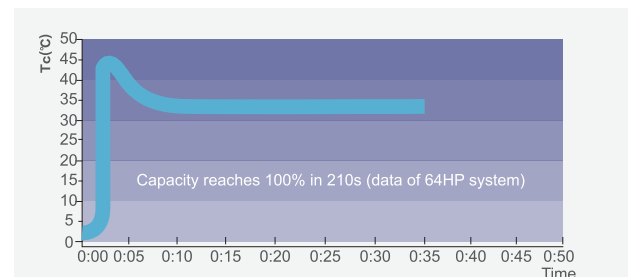
Quiet Indoor Unit

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



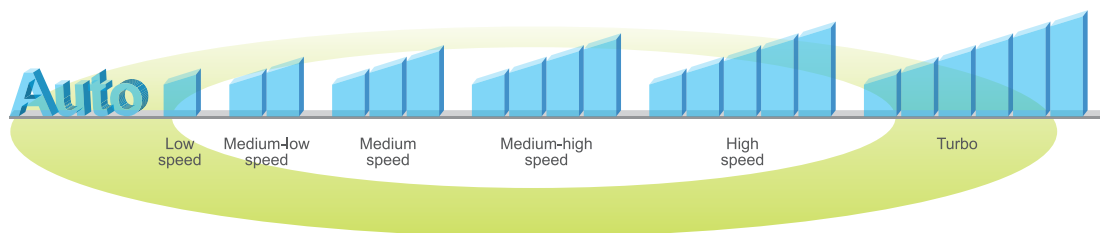
Fast Start-up in Heating

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



7 Speeds Indoor Fan

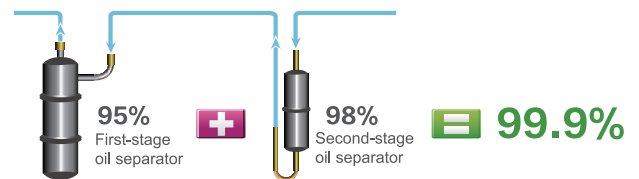
Indoor fan speed can be set in 7 levels by wired controller. They are auto, low speed, medium-low speed, medium speed, medium-high speed, high speed and turbo. When the wired controller is on, press "FAN" button to set indoor fan speed circularly as below:



Excellent Performance Ensured by Advanced Technology

Two-stage Oil Separation Control Technology (Patented)

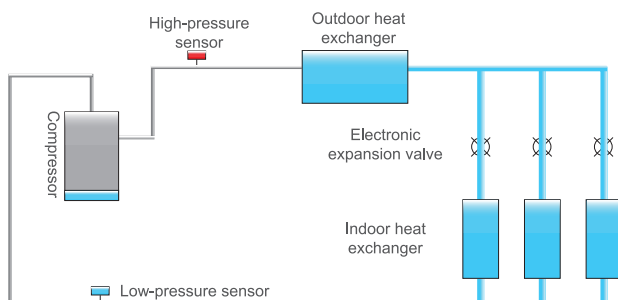
First-stage oil separator adopts a filtration expansion valve with separation efficiency of 98%; Second-stage oil separator will separate the remained 2% refrigerant oil with separation efficiency of 95%. General oil separation efficiency reaches 99.9%.



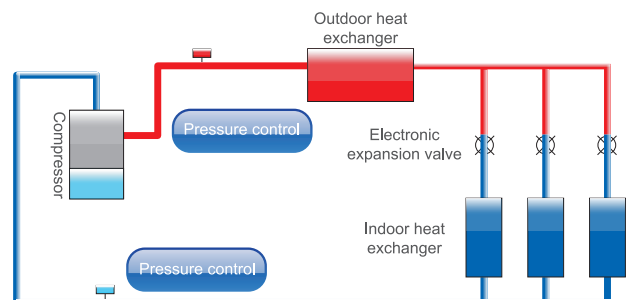
Oil Return Control Technology

- **New Oil Return Control**

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



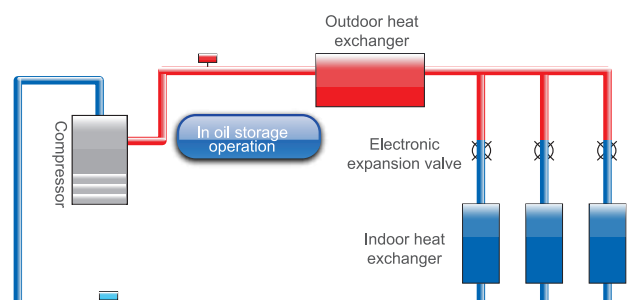
Oil storage status before oil return



Oil return operation

- **Specialized Compressor Oil Storage Control**

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

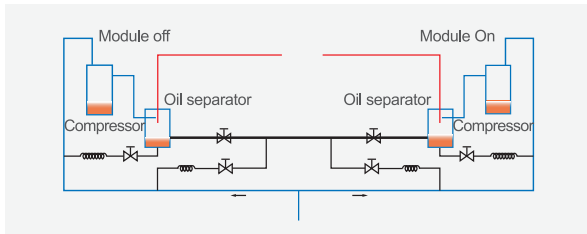


Oil storage operation

Oil Return Control Technology

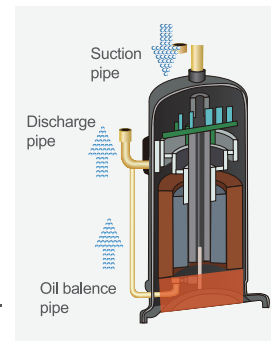
- **Oil Balance between Each Module**

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



- **Oil Balance between Each Compressor**

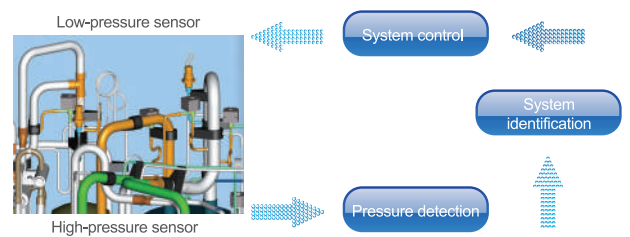
Refrigerant is taken into the compressor by the suction pipe and then runs through the cooling system. It can control the oil level and minimum oil volume required by each compressor so as to realize oil balance between each compressor.



Intelligent Detection Control

- **Pressure Sensor Detection Control**

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

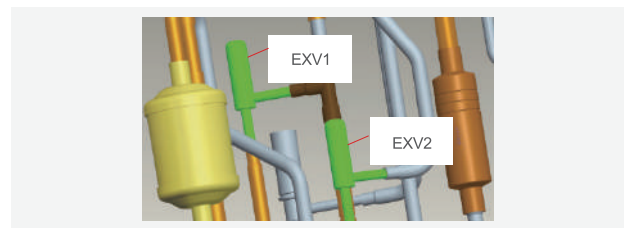


- **Temperature Sensor Detection Control**

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

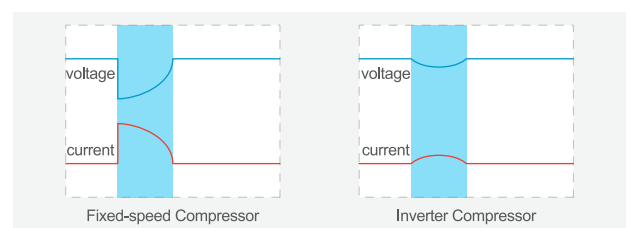
Multi Electronic Expansion Valves Control

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



Smaller Impact to Power Grid

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



Modules Rotation Operating to Maximize Lifespan

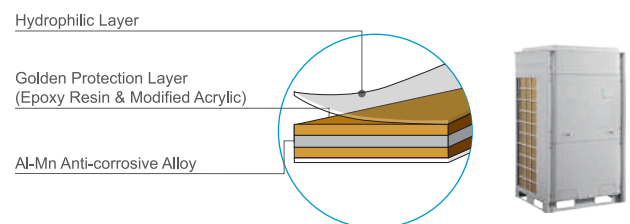
- **Modules 8h rotation operating**

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



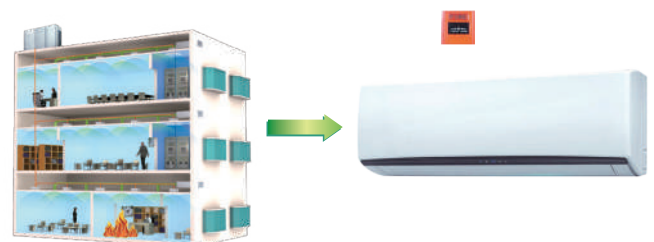
Highly Anticorrosive Golden Fins

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



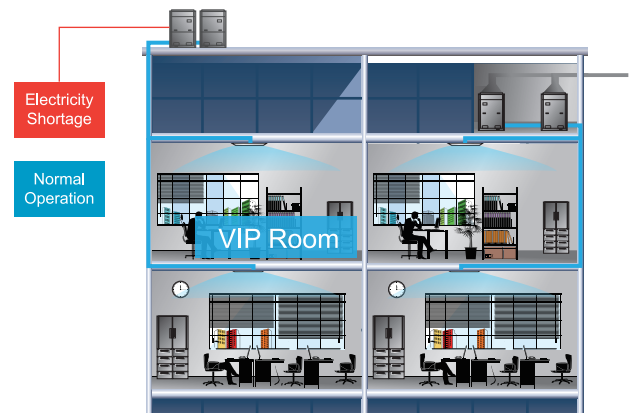
Emergency Auto-Off Control

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



Electricity Shortage Identification

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



Excellent Emergency Operation Function to Ensure Reliable Operation

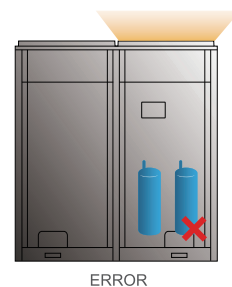
• Emergency Function

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



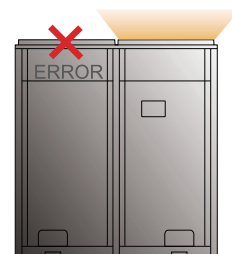
• Emergency Operation of Compressor

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



• Emergency Operation of Fan

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



Easy Installation for Various Kinds of Construction

ODU High Static Pressure Design

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

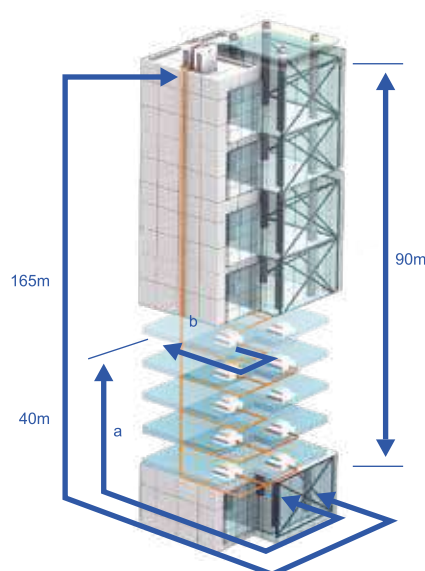


1000m Pipe Design for Flexible Installation

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

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

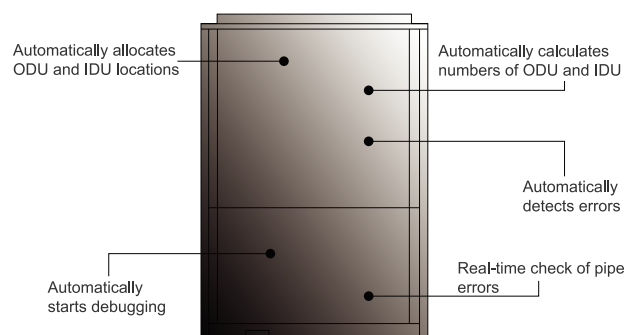
Note:
a: Distance between the first branch and the farthest indoor unit.
b: Distance between the first branch and the nearest indoor unit.
 $a-b \leq 40m$



Intelligent Debugging for Convenient Construction

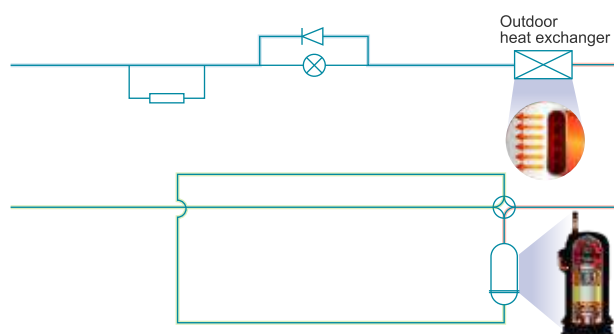
FVI-E series has five auto debugging features:

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



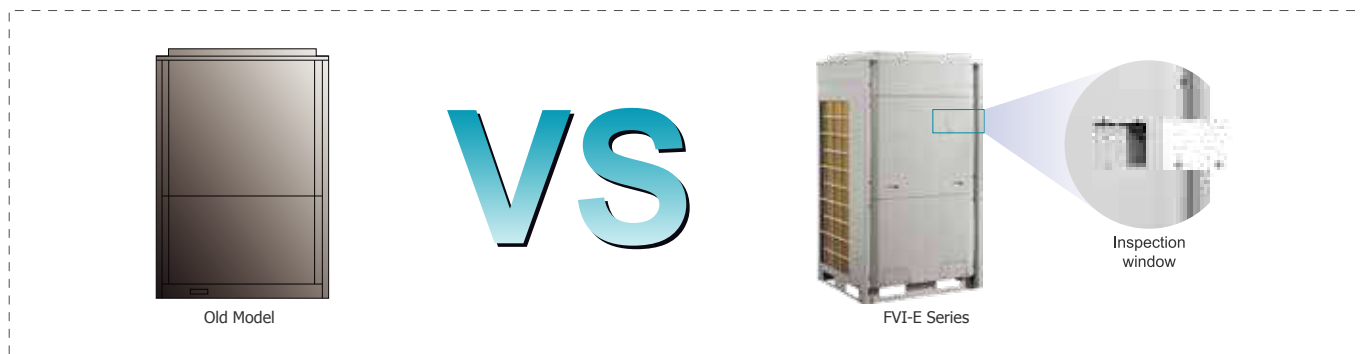
Auto-refrigerant Recovery for Easy Maintenance

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



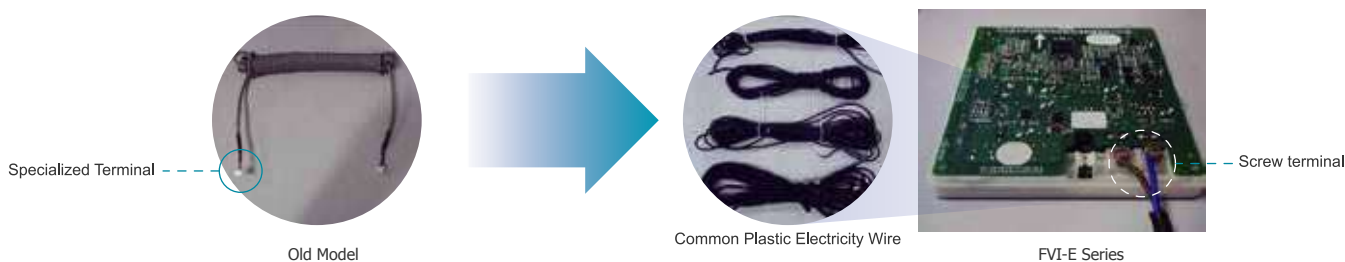
Inspection Window for Convenient Checking

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



Flexible Wiring

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



Auto Addressing of Outdoor and Indoor Unit

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

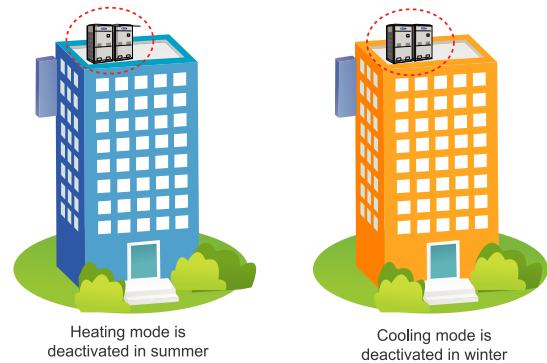


Professional Hotel Function

Fujiaire FVI provides hotels with unique season setting function and key-card control function.

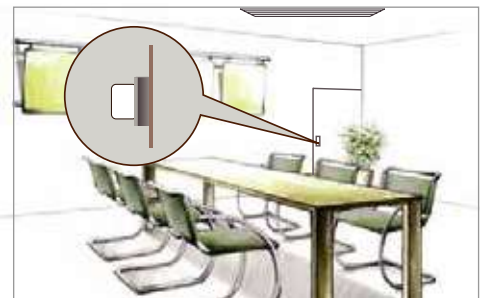
Season Setting

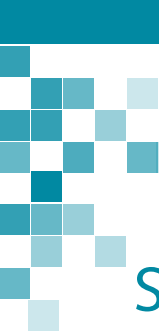
Cooling or heating mode can be deactivated during a certain season to avoid affecting unit's normal operation due to mode conflict.



Key-card Control for Hotel Management

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





Specifications & Parameter of Outdoor Units

Full Inverter Outdoor Units Lineup

No.	Model	Rated Capacity			Description	ODU Combination (HP)	Max. Connection IDU
		HP	kW	Btu/hr			
1	FVI-L080E/GE/CE/EE-E21G	8	22.4	76,400	BASIC MODULE ODU	8	13
2	FVI-L100E/GE/CE/EE-E21G	10	28.0	95,500		10	16
3	FVI-L120E/GE/CE/EE-E21G	12	33.5	114,300		12	19
4	FVI-L140E/GE/CE/EE-E21G	14	40.0	136,500		14	23
5	FVI-L160E/GE/CE/EE-E21G	16	45.0	153,500		16	26
6	FVI-L180E/GE/CE/EE-E21G	18	50.4	172,000		18	29
7	FVI-L200E/GE/CE/EE-E21G	20	56.0	191,100		20	32
8	FVI-L220E/GE/CE/EE-E21G	22	61.5	209,800		22	35
9	FVI-L240E/GE/CE/EE-E21G	24	68.0	232,000	2 MODULAR ODU	10 + 14	39
10	FVI-L260E/GE/CE/EE-E21G	26	73.0	249,000		10 + 16	42
11	FVI-L280E/GE/CE/EE-E21G	28	78.4	267,500		10 + 18	45
12	FVI-L300E/GE/CE/EE-E21G	30	84.0	286,600		10 + 20	48
13	FVI-L320E/GE/CE/EE-E21G	32	89.5	305,300		10 + 22	51
14	FVI-L340E/GE/CE/EE-E21G	34	95.0	324,100		12 + 22	54
15	FVI-L360E/GE/CE/EE-E21G	36	101.5	346,300		14 + 22	58
16	FVI-L380E/GE/CE/EE-E21G	38	106.5	363,300		16 + 22	61
17	FVI-L400E/GE/CE/EE-E21G	40	111.9	381,800		18 + 22	64
18	FVI-L420E/GE/CE/EE-E21G	42	117.5	400,900		20 + 22	67
19	FVI-L440E/GE/CE/EE-E21G	42	123.0	419,600	3 MODULAR ODU	22 + 22	70
20	FVI-L460E/GE/CE/EE-E21G	42	129.0	440,100		10 + 16 + 20	74
21	FVI-L480E/GE/CE/EE-E21G	42	134.5	458,800		10 + 16 + 22	77
22	FVI-L500E/GE/CE/EE-E21G	42	140.0	477,600		12 + 16 + 22	80
23	FVI-L520E/GE/CE/EE-E21G	42	145.5	496,400		10 + 20 + 22	83
24	FVI-L540E/GE/CE/EE-E21G	42	151.0	515,100		10 + 22 + 22	86
25	FVI-L560E/GE/CE/EE-E21G	42	156.5	533,900		12 + 22 + 22	89
26	FVI-L580E/GE/CE/EE-E21G	42	163.0	556,100		14 + 22 + 22	93
27	FVI-L600E/GE/CE/EE-E21G	42	168.0	573,100		16 + 22 + 22	96
28	FVI-L620E/GE/CE/EE-E21G	42	173.4	591,600		18 + 22 + 22	99
29	FVI-L640E/GE/CE/EE-E21G	42	179.0	610,700	4 MODULAR ODU	20 + 22 + 22	102
30	FVI-L660E/GE/CE/EE-E21G	42	184.5	629,400		22 + 22 + 22	105
31	FVI-L680E/GE/CE/EE-E21G	42	190.5	649,900		10 + 16 + 20 + 22	109
32	FVI-L700E/GE/CE/EE-E21G	42	195.9	668,400		10 + 18 + 20 + 22	112
33	FVI-L720E/GE/CE/EE-E21G	42	201.5	687,500		10 + 20 + 20 + 22	115
34	FVI-L740E/GE/CE/EE-E21G	42	207.0	706,200		10 + 20 + 22 + 22	118
35	FVI-L760E/GE/CE/EE-E21G	42	212.5	724,900		10 + 22 + 22 + 22	121
36	FVI-L780E/GE/CE/EE-E21G	42	218.0	743,700		12 + 22 + 22 + 22	124
37	FVI-L800E/GE/CE/EE-E21G	42	224.5	765,900		14 + 22 + 22 + 22	128
38	FVI-L820E/GE/CE/EE-E21G	42	229.5	782,900		16 + 22 + 22 + 22	131
39	FVI-L840E/GE/CE/EE-E21G	42	234.9	801,400		18 + 22 + 22 + 22	134
40	FVI-L860E/GE/CE/EE-E21G	42	240.5	820,500		20 + 22 + 22 + 22	137
41	FVI-L880E/GE/CE/EE-E21G	42	246.0	839,200		22 + 22 + 22 + 22	140

Remark: The combination table is just for reference only.

Specifications & Parameter of Outdoor Units

Full Inverter Specifications Outdoor Units

Model		Unit	FVI-L080E-E21G	FVI-L100E-E21G	FVI-L120E-E21G	FVI-L140E-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	5.09	6.21	7.74	9.30
	Rated Current	A	9.10	11.10	13.84	16.62
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	4.81	5.90	7.95	10.00
	Rated Current	A	28.74/60	38.21/60	45.07/60	52.58/80
Max. Circuit / Fuse Current		A	15.7 / 20	20.9 / 25	24.7 / 32	28.8 / 40
Compressor Configuration		-	1	1	1	2
Fan	Airflow	CMH	11,400	11,400	14,000	14,000
	Rate	CFM	6,709	6,709	8,239	8,239
Sound Pressure Level		dB(A)	60	61	63	63
Dimension (W x H x D)	Unit	mm	930 x 1605 x 765	930 x 1605 x 765	1340 x 1605 x 765	1340 x 1605 x 765
	Packing	mm	1010 x 1775 x 840	1010 x 1775 x 840	1420 x 1775 x 840	1420 x 1775 x 840
Weight		kg	225 / 235	225 / 235	285 / 300	360 / 375
Refrigerant Charged		kg	5.9	6.7	8.2	9.8
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")
	Oil Balance	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")

Model		Unit	FVI-L160E-E21G	FVI-L180E-E21G	FVI-L200E-E21G	FVI-L220E-E21G
Rating Capacity		HP	16	18	20	22
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)
	Rated Capacity (T3)	Btu/hr (kW)	138,200 (40.5)	154,900 (45.4)	172,000 (50.4)	189,000 (55.4)
	Rated Input	kW	10.95	14.20	16.00	18.50
	Rated Current	A	19.57	25.40	28.60	33.10
Heating	Rated Capacity	Btu/hr (kW)	170,600 (50.0)	192,800 (56.5)	215,000 (63.0)	235,400 (69.0)
	Rated Input	kW	12.00	14.10	16.60	18.90
	Rated Current	A	60.74/90	82.95/90	93.4/90	108.09/90
Max. Circuit / Fuse Current		A	33.2 / 40	45.4 / 50	51.1 / 63	59.2 / 63
Compressor Configuration		-	2	2	2	2
Fan	Airflow	CMH	14,000	16,000	16,000	16,000
	Rate	CFM	8,239	9,416	9,416	9,416
Sound Pressure Level		dB(A)	63	63	63	64
Dimension (W x H x D)	Unit	mm	1340 x 1605 x 765	1340 x 1740 x 765	1340 x 1740 x 765	1340 x 1740 x 765
	Packing	mm	1420 x 1775 x 840	1420 x 1910 x 840	1420 x 1910 x 840	1420 x 1910 x 840
Weight		kg	360 / 375	360 / 375	385/400	385/400
Refrigerant Charged		kg	10.3	11.3	14.3	14.3
Connecting Pipe	Liquid	mm (in)	12.7 (1/2")	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")
	Oil Balance	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")

Note:

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

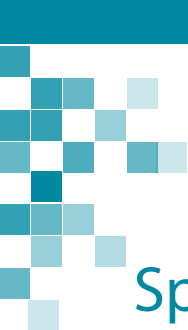
T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

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.



Specifications & Parameter of Outdoor Units

Full Inverter Specifications Outdoor Units

Model	Power Supply (V~Ph~Hz)	Cooling Capacity		Power Input		Dimension (WxHxD)	Airflow Volume	ESP	Noise	Noise at Night	Connecting pipe diameter		Oil Balance Pipe	Max. current	Max. fuse current	Weight
		Cooling	Heating	Cooling	Heating						Liquid	Gas				
		kW	kW	kW	kW	mm	CMH	Pa	dB(A)	dB(A)	mm	mm	mm	A	A	kg
FVI-L240E-E21G	380-415~3~50/60	68.0	76.5	15.5	15.9	(930 x 1605 x 765) + (1340 x 1605 x 765)	11,400 + 14,000	0~82	65	43	ø15.9	ø28.6	ø9.52	49.7	65	225 + 360
FVI-L260E-E21G	380-415~3~50/60	73.0	81.5	17.2	17.9	(930 x 1605 x 765) + (1340 x 1605 x 765)	11,400 + 14,000	0~82	65	43	ø19.05	ø31.8	ø9.52	54.1	65	225 + 360
FVI-L280E-E21G	380-415~3~50/60	78.4	88.0	20.4	20.0	(930 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 16,000	0~82	66	43	ø19.05	ø31.8	ø9.52	66.3	75	225 + 360
FVI-L300E-E21G	380-415~3~50/60	84.0	94.5	22.2	22.5	(930 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 16,000	0~82	67	43	ø19.05	ø31.8	ø9.52	72.0	88	225 + 385
FVI-L320E-E21G	380-415~3~50/60	89.5	100.5	24.7	24.8	(930 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 16,000	0~82	67	43	ø19.05	ø31.8	ø9.52	80.1	88	225 + 385
FVI-L340E-E21G	380-415~3~50/60	95.0	106.5	26.2	26.9	(1340 x 1605 x 765) + (1340 x 1740 x 765)	14,000 + 16,000	0~82	68	43	ø19.05	ø31.8	ø9.52	83.9	95	285 + 385
FVI-L360E-E21G	380-415~3~50/60	101.5	114.0	27.8	28.9	(1340 x 1605 x 765) + (1340 x 1740 x 765)	14,000 + 16,000	0~82	68	43	ø19.05	ø38.1	ø9.52	88.0	103	360 + 385
FVI-L380E-E21G	380-415~3~50/60	106.5	119.0	29.5	30.9	(1340 x 1605 x 765) + (1340 x 1740 x 765)	14,000 + 16,000	0~82	68	43	ø19.05	ø38.1	ø9.52	92.4	103	360 + 385
FVI-L400E-E21G	380-415~3~50/60	111.9	125.5	32.7	33.0	2 x (1340 x 1740 x 765)	16,000 x 2	0~82	68	43	ø19.05	ø38.1	ø9.52	104.6	113	360 + 385
FVI-L420E-E21G	380-415~3~50/60	117.5	132.0	34.5	35.5	2 x (1340 x 1740 x 765)	16,000 x 2	0~82	69	43	ø19.05	ø38.1	ø9.52	110.3	126	385 + 385
FVI-L440E-E21G	380-415~3~50/60	123.0	138.0	37.0	37.8	2 x (1340 x 1740 x 765)	16,000 x 2	0~82	69	43	ø19.05	ø38.1	ø9.52	118.4	126	385 + 385
FVI-L460E-E21G	380-415~3~50/60	129.0	144.5	33.2	34.5	(930 x 1605 x 765) + (1340 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 14,000 + 16,000	0~82	69	45	ø19.05	ø38.1	ø9.52	105.2	128	225 + 360 + 385
FVI-L480E-E21G	380-415~3~50/60	134.5	150.5	35.7	36.8	(930 x 1605 x 765) + (1340 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 14,000 + 16,000	0~82	69	45	ø19.05	ø38.1	ø9.52	113.3	128	225 + 360 + 385
FVI-L500E-E21G	380-415~3~50/60	140.0	156.5	37.2	38.9	2 x (1340 x 1605 x 765) + (1340 x 1740 x 765)	14,000 x 2 + 16,000	0~82	69	45	ø19.05	ø41.3	ø9.52	117.1	135	285 + 360 + 385
FVI-L520E-E21G	380-415~3~50/60	145.5	163.5	40.7	41.4	(930 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 16,000 x 2	0~82	69	45	ø19.05	ø41.3	ø9.52	131.2	151	225 + 385 x 2
FVI-L540E-E21G	380-415~3~50/60	151.0	169.5	43.2	43.7	(930 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 16,000 x 2	0~82	70	45	ø19.05	ø41.3	ø9.52	139.3	151	225 + 385 x 2
FVI-L560E-E21G	380-415~3~50/60	156.5	175.5	44.7	45.8	(1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	14,000 + 16,000 x 2	0~82	70	45	ø19.05	ø41.3	ø9.52	143.1	158	285 + 385 x 2
FVI-L580E-E21G	380-415~3~50/60	163.0	183.0	46.3	47.8	(1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	14,000 + 16,000 x 2	0~82	70	45	ø19.05	ø41.3	ø9.52	147.2	166	360 + 385 x 2
FVI-L600E-E21G	380-415~3~50/60	168.0	188.0	48.0	49.8	(1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	14,000 + 16,000 x 2	0~82	70	45	ø19.05	ø41.3	ø9.52	151.6	166	360 + 385 x 2
FVI-L620E-E21G	380-415~3~50/60	173.4	194.5	51.2	51.9	3 x (1340 x 1740 x 765)	16,000 x 3	0~82	70	45	ø19.05	ø41.3	ø9.52	163.8	176	360 + 385 x 2
FVI-L640E-E21G	380-415~3~50/60	179.0	201.0	53.0	54.4	3 x (1340 x 1740 x 765)	16,000 x 3	0~82	71	45	ø19.05	ø41.3	ø9.52	169.5	189	385 x 3
FVI-L660E-E21G	380-415~3~50/60	184.5	207.0	55.5	56.7	3 x (1340 x 1740 x 765)	16,000 x 3	0~82	71	45	ø19.05	ø41.3	ø9.52	177.6	189	385 x 3
FVI-L680E-E21G	380-415~3~50/60	190.5	213.5	51.7	53.4	(930 x 1605 x 765) + (1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 14,000 + 16,000 x 2	0~82	72	47	ø22.2	ø44.5	ø9.52	164.4	191	225 + 360 + 385 x 2
FVI-L700E-E21G	380-415~3~50/60	195.9	220.0	54.9	55.5	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	47	ø22.2	ø44.5	ø9.52	176.6	201	225 + 360 + 385 x 2
FVI-L720E-E21G	380-415~3~50/60	201.5	226.5	56.7	58.0	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	47	ø22.2	ø44.5	ø9.52	182.3	214	225 + 385 x 3
FVI-L740E-E21G	380-415~3~50/60	207.0	232.5	59.2	60.3	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	47	ø22.2	ø44.5	ø9.52	190.4	214	225 + 385 x 3
FVI-L760E-E21G	380-415~3~50/60	212.5	238.5	61.7	62.6	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	47	ø22.2	ø44.5	ø9.52	198.5	214	225 + 385 x 3
FVI-L780E-E21G	380-415~3~50/60	218.0	244.5	63.2	64.7	(1340 x 1605 x 765) + 3 x (1340 x 1740 x 765)	14,000 + 16,000 x 3	0~82	74	47	ø22.2	ø44.5	ø9.52	202.3	221	285 + 385 x 3
FVI-L800E-E21G	380-415~3~50/60	224.5	252.0	64.8	66.7	(1340 x 1605 x 765) + 3 x (1340 x 1740 x 765)	14,000 + 16,000 x 3	0~82	74	47	ø22.2	ø44.5	ø9.52	206.4	229	360 + 385 x 3
FVI-L820E-E21G	380-415~3~50/60	229.5	257.0	66.5	68.7	(1340 x 1605 x 765) + 3 x (1340 x 1740 x 765)	14,000 + 16,000 x 3	0~82	74	47	ø22.2	ø44.5	ø9.52	210.8	229	360 + 385 x 3
FVI-L840E-E21G	380-415~3~50/60	234.9	263.5	69.7	70.8	4 x (1340 x 1740 x 765)	16,000 x 4	0~82	75	47	ø22.2	ø44.5	ø9.52	223.0	239	360 + 385 x 3
FVI-L860E-E21G	380-415~3~50/60	240.5	270.0	71.5	73.3	4 x (1340 x 1740 x 765)	16,000 x 4	0~82	75	47	ø22.2	ø44.5	ø9.52	228.7	252	385 x 4
FVI-L880E-E21G	380-415~3~50/60	246.0	276.0	74.0	75.6	4 x (1340 x 1740 x 765)	16,000 x 4	0~82	75	47	ø22.2	ø44.5	ø9.52	236.8	252	385 x 4

Note:

* All specifications are subjected to change by manufacturer without prior notice.

Specifications & Parameter of Outdoor Units

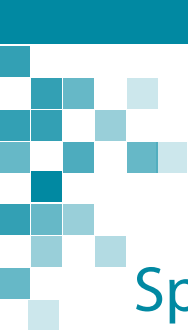
Full Inverter (Cooling Only) Specifications Outdoor Units

Model		Unit	FVI-L080GE-E21G	FVI-L100GE-E21G	FVI-L120GE-E21G	FVI-L140GE-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	5.2	7.0	8.9	10.7
	Rated Current	A	9.3	12.5	15.9	19.1
Max. Circuit / Fuse Current		A	16.1 / 20	20.9 / 25	24.6 / 32	28.8 / 40
Compressor Configuration		-	1	1	1	2
Fan	Airflow	CMH	11,400	11,400	11,400	14,000
	Rate	CFM	6,709	6,709	6,709	8,239
Sound Pressure Level		dB(A)	56	57	59	59
Dimension (W x H x D)	Unit	mm	930 x 1605 x 765	930 x 1605 x 765	930 x 1605 x 765	1340 x 1605 x 765
	Packing	mm	1010 x 1775 x 840	1010 x 1775 x 840	1010 x 1775 x 840	1420 x 1775 x 840
Weight	Net / Gross	kg	211 / 224	211 / 224	211 / 224	325 / 343
Refrigerant Charged		kg	5.9	6.7	7.2	8.2
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")
	Oil Balance	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")

Model		Unit	FVI-L160GE-E21G	FVI-L180GE-E21G	FVI-L200GE-E21G	FVI-L220GE-E21G
Rating Capacity		HP	16	18	20	22
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)
	Rated Capacity (T3)	Btu/hr (kW)	138,200 (40.5)	154,900 (45.4)	172,000 (50.4)	189,000 (55.4)
	Rated Input	kW	12.9	15.3	17.5	19.5
	Rated Current	A	23.0	27.3	31.3	34.9
Max. Circuit / Fuse Current		A	33.2 / 40	42.9 / 50	46.5 / 63	48.3 / 63
Compressor Configuration		-	2	2	2	2
Fan	Airflow	CMH	14,000	14,000	16,000	16,000
	Rate	CFM	8,239	8,239	9,416	9,416
Sound Pressure Level		dB(A)	60	61	63	64
Dimension (W x H x D)	Unit	mm	1340 x 1605 x 765	1340 x 1605 x 765	1340 x 1740 x 765	1340 x 1740 x 765
	Packing	mm	1420 x 1775 x 840	1420 x 1775 x 840	1420 x 1910 x 840	1420 x 1910 x 840
Weight	Net / Gross	kg	325 / 343	325 / 343	354 / 372	354 / 372
Refrigerant Charged		kg	8.7	8.7	10.8	11.3
Connecting Pipe	Liquid	mm (in)	12.7 (1/2")	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")
	Oil Balance	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")

Note:

- Nominal cooling & heating capacities are based on the following conditions:
T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; 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 & Parameter of Outdoor Units

Full Inverter (Cooling Only) Specifications Outdoor Units Combination

Model	Power Supply (V~Ph~Hz)	Cooling Capacity	Power Input	Dimension (WxHxD)	Airflow Volume	ESP	Noise	Connecting pipe diameter		Oil Balance Pipe	Max. current	Max. fuse current	Weight
								Liquid	Gas				
		kW	kW	mm	CMH	Pa	dB(A)	mm	mm	mm	A	A	kg
FVI-L240GE-E21G	380-415~3~50/60	68.0	17.7	(930 x 1605 x 765) + (1340 x 1605 x 765)	11,400 + 14,000	0~82	65	ø15.9	ø28.6	ø9.52	49.7	65	211 + 325
FVI-L260GE-E21G	380-415~3~50/60	73.0	19.9	(930 x 1605 x 765) + (1340 x 1605 x 765)	11,400 + 14,000	0~82	65	ø19.05	ø31.8	ø9.52	54.1	65	211 + 325
FVI-L280GE-E21G	380-415~3~50/60	78.4	22.3	(930 x 1605 x 765) + (1340 x 1605 x 765)	11,400 + 14,000	0~82	66	ø19.05	ø31.8	ø9.52	66.3	75	211 + 325
FVI-L300GE-E21G	380-415~3~50/60	84.0	24.5	(930 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 16,000	0~82	67	ø19.05	ø31.8	ø9.52	72.0	88	211 + 354
FVI-L320GE-E21G	380-415~3~50/60	89.5	26.5	(930 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 16,000	0~82	67	ø19.05	ø31.8	ø9.52	80.1	88	211 + 354
FVI-L340GE-E21G	380-415~3~50/60	95.0	28.4	(930 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 16,000	0~82	68	ø19.05	ø31.8	ø9.52	83.8	95	211 + 354
FVI-L360GE-E21G	380-415~3~50/60	101.5	30.2	(1340 x 1605 x 765) + (1340 x 1740 x 765)	14,000 + 16,000	0~82	68	ø19.05	ø38.1	ø9.52	88.0	103	325+ 354
FVI-L380GE-E21G	380-415~3~50/60	106.5	32.4	(1340 x 1605 x 765) + (1340 x 1740 x 765)	14,000 + 16,000	0~82	68	ø19.05	ø38.1	ø9.52	92.4	103	325+ 354
FVI-L400GE-E21G	380-415~3~50/60	111.9	34.8	(1340 x 1605 x 765) + (1340 x 1740 x 765)	14,000 + 16,000	0~82	68	ø19.05	ø38.1	ø9.52	104.6	113	325+ 354
FVI-L420GE-E21G	380-415~3~50/60	117.5	37.0	2 x (1340 x 1740 x 765)	16,000 x 2	0~82	69	ø19.05	ø38.1	ø9.52	110.3	126	354 + 354
FVI-L440GE-E21G	380-415~3~50/60	123.0	39.0	2 x (1340 x 1740 x 765)	16,000 x 2	0~82	69	ø19.05	ø38.1	ø9.52	118.4	126	354 + 354
FVI-L460GE-E21G	380-415~3~50/60	129.0	37.4	(930 x 1605 x 765) + (1340 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 14,000 + 16,000	0~82	69	ø19.05	ø38.1	ø9.52	105.2	128	211 + 325 + 354
FVI-L480GE-E21G	380-415~3~50/60	134.5	39.4	(930 x 1605 x 765) + (1340 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 14,000 + 16,000	0~82	69	ø19.05	ø38.1	ø9.52	113.3	128	211 + 325 + 354
FVI-L500GE-E21G	380-415~3~50/60	140.0	41.3	(930 x 1605 x 765) + (1340 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 14,000 + 16,000	0~82	69	ø19.05	ø41.3	ø9.52	117.0	135	211 + 325 + 354
FVI-L520GE-E21G	380-415~3~50/60	145.5	44.0	(930 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 16,000 x 2	0~82	69	ø19.05	ø41.3	ø9.52	131.2	151	211 + 354 x 2
FVI-L540GE-E21G	380-415~3~50/60	151.0	46.0	(930 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 16,000 x 2	0~82	70	ø19.05	ø41.3	ø9.52	139.3	151	211 + 354 x 2
FVI-L560GE-E21G	380-415~3~50/60	156.5	47.9	(930 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 16,000 x 2	0~82	70	ø19.05	ø41.3	ø9.52	143.0	158	211 + 354 x 2
FVI-L580GE-E21G	380-415~3~50/60	163.0	49.7	(1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	14,000 + 16,000 x 2	0~82	70	ø19.05	ø41.3	ø9.52	147.2	166	325 + 354 x 2
FVI-L600GE-E21G	380-415~3~50/60	168.0	51.9	(1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	14,000 + 16,000 x 2	0~82	70	ø19.05	ø41.3	ø9.52	151.6	166	325 + 354 x 2
FVI-L620GE-E21G	380-415~3~50/60	173.4	54.3	(1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	14,000 + 16,000 x 2	0~82	70	ø19.05	ø41.3	ø9.52	163.8	176	325 + 354 x 2
FVI-L640GE-E21G	380-415~3~50/60	179.0	56.5	3 x (1340 x 1740 x 765)	16,000 x 3	0~82	71	ø19.05	ø41.3	ø9.52	169.5	189	354 x 3
FVI-L660GE-E21G	380-415~3~50/60	184.5	58.5	3 x (1340 x 1740 x 765)	16,000 x 3	0~82	71	ø19.05	ø41.3	ø9.52	177.6	189	354 x 3
FVI-L680GE-E21G	380-415~3~50/60	190.5	56.9	(930 x 1605 x 765) + (1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 14,000 + 16,000 x 2	0~82	72	ø22.2	ø44.5	ø9.52	164.4	191	211 + 325 + 354 x 2
FVI-L700GE-E21G	380-415~3~50/60	195.9	59.3	(930 x 1605 x 765) + (1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 14,000 + 16,000 x 2	0~82	73	ø22.2	ø44.5	ø9.52	176.6	201	211 + 325 + 354 x 2
FVI-L720GE-E21G	380-415~3~50/60	201.5	61.5	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	ø22.2	ø44.5	ø9.52	182.3	214	211 + 354 x 3
FVI-L740GE-E21G	380-415~3~50/60	207.0	63.5	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	ø22.2	ø44.5	ø9.52	190.4	214	211 + 354 x 3
FVI-L760GE-E21G	380-415~3~50/60	212.5	65.5	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	ø22.2	ø44.5	ø9.52	198.5	214	211 + 354 x 3
FVI-L780GE-E21G	380-415~3~50/60	218.0	67.4	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	74	ø22.2	ø44.5	ø9.52	202.2	221	211 + 354 x 3
FVI-L800GE-E21G	380-415~3~50/60	224.5	69.2	(1340 x 1605 x 765) + 3 x (1340 x 1740 x 765)	14,000 + 16,000 x 3	0~82	74	ø22.2	ø44.5	ø9.52	206.4	229	325 + 354 x 3
FVI-L820GE-E21G	380-415~3~50/60	229.5	71.4	(1340 x 1605 x 765) + 3 x (1340 x 1740 x 765)	14,000 + 16,000 x 3	0~82	74	ø22.2	ø44.5	ø9.52	210.8	229	325 + 354 x 3
FVI-L840GE-E21G	380-415~3~50/60	234.9	73.8	(1340 x 1605 x 765) + 3 x (1340 x 1740 x 765)	14,000 + 16,000 x 3	0~82	75	ø22.2	ø44.5	ø9.52	223.0	239	325 + 354 x 3
FVI-L860GE-E21G	380-415~3~50/60	240.5	76.0	4 x (1340 x 1740 x 765)	16,000 x 4	0~82	75	ø22.2	ø44.5	ø9.52	228.7	252	354 x 4
FVI-L880GE-E21G	380-415~3~50/60	246.0	78.0	4 x (1340 x 1740 x 765)	16,000 x 4	0~82	75	ø22.2	ø44.5	ø9.52	236.8	252	354 x 4

Note:

* All specifications are subjected to change by manufacturer without prior notice.

Specifications & Parameter of Outdoor Units

Anti-Corrosive Inverter Specifications Outdoor Units

The FVI-CE unit adopts corrosion-resistance materials on both metal and electronic parts, which enables it to be installed near the sea.

The plastic planting grille protects against salt. All panel parts are corrosion resistant to protect against brine.



Corrosion resistant heat-exchange fins are suitable for seaside areas and exposed to acidic substances.



All screws are anti-rust.



All PCB parts in the unit are coated with three proofing glue. The outer side of the control box metal cover is the spray-painted.

Model	Unit	FVI-L080CE-E21G	FVI-L100CE-E21G	FVI-L120CE-E21G	FVI-L140CE-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)
	Rated Capacity (T3)	Btu/hr (kW)	68,900 (20.2)	86,000 (25.2)	103,000 (30.2)
	Rated Input	kW	5.2	7.0	8.7
	Rated Current	A	9.0	12.5	15.0
Heating	Rated Capacity	Btu/hr (kW)	85,300 (25.0)	107,500 (31.5)	128,000 (37.5)
	Rated Input	kW	5.5	7.3	7.8
	Rated Current	A	9.8	13.0	16.1
Max. Circuit / Fuse Current	A	15.7 / 20	20.9 / 25	22.5 / 32	28.8 / 40
Compressor Configuration	-	1	1	1	2
Fan	Airflow	CMH	11,400	11,400	14,000
	Rate	CFM	6,709	6,709	8,239
Sound Pressure Level	dB(A)	60	61	61	63
Dimension (W x H x D)	Unit	mm	930 x 1605 x 765	930 x 1605 x 765	1340 x 1605 x 765
	Packing	mm	1010 x 1775 x 840	1010 x 1775 x 840	1420 x 1775 x 840
Weight	Net / Gross	kg	225 / 235	225 / 235	235 / 250
Refrigerant Charged	kg	5.9	6.7	9.0	9.8
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")
	Gas	mm (in)	19.05 (3/4")	22.2 (7/8")	25.4 (1")
	Oil Balance	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")

Model	Unit	FVI-L160CE-E21G	FVI-L180CE-E21G	FVI-L200CE-E21G	FVI-L220CE-E21G
Rating Capacity	HP	16	18	20	22
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)
	Rated Capacity (T3)	Btu/hr (kW)	138,200 (40.5)	154,900 (45.4)	172,000 (50.4)
	Rated Input	kW	12.7	14.2	16.0
	Rated Current	A	22.6	25.4	28.6
Heating	Rated Capacity	Btu/hr (kW)	170,600 (50.0)	192,800 (56.5)	215,000 (63.0)
	Rated Input	kW	13.0	14.1	16.6
	Rated Current	A	23.2	25.2	29.7
Max. Circuit / Fuse Current	A	33.2 / 40	45.4 / 50	51.1 / 63	59.2 / 63
Compressor Configuration	-	2	2	2	2
Fan	Airflow	CMH	14,000	16,000	16,000
	Rate	CFM	8,239	9,416	9,416
Sound Pressure Level	dB(A)	63	63	63	64
Dimension (W x H x D)	Unit	mm	1340 x 1605 x 765	1340 x 1740 x 765	1340 x 1740 x 765
	Packing	mm	1420 x 1775 x 840	1420 x 1910 x 840	1420 x 1910 x 840
Weight	Net / Gross	kg	360 / 375	360 / 375	385/400
Refrigerant Charged	kg	10.3	11.3	14.3	14.3
Connecting Pipe	Liquid	mm (in)	12.7 (1/2")	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")
	Oil Balance	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")

Note:

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

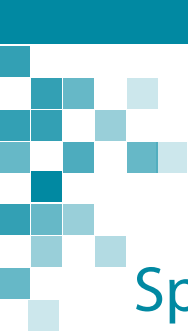
T1: Cooling: indoor 27°C DB/19°C WB, outdoor 35°C; Heating: indoor 20°C DB, outdoor 7°C DB/6°C WB; Connection pipe length of 5m, no height difference between units.

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.



Specifications & Parameter of Outdoor Units

Anti-Corrosive Inverter Specifications Outdoor Units Combination

Model	Power Supply (V~Ph~Hz)	Cooling Capacity		Power Input		Dimension (WxHxD)	Airflow Volume	ESP	Noise	Connecting pipe diameter		Oil Balance Pipe	Max. current	Max. fuse current	Weight
		Cooling	Heating	Cooling	Heating					Liquid	Gas				
		kW	kW	kW	kW					mm	mm		A	A	kg
FVI-L080CE-E21G	380-415~3~50/60	22.4	25.0	5.2	5.5	930 x 1605 x 765	11,400	0~82	60	ø9.52	ø19.05	ø9.52	15.7	20	225
FVI-L100CE-E21G	380-415~3~50/60	28.0	31.5	7.0	7.3	930 x 1605 x 765	11,400	0~82	61	ø9.52	ø22.2	ø9.52	20.9	25	225
FVI-L120CE-E21G	380-415~3~50/60	33.5	37.5	8.7	7.8	930 x 1605 x 765	11,400	0~82	61	ø12.7	ø25.4	ø9.52	22.5	32	235
FVI-L140CE-E21G	380-415~3~50/60	40.0	45.0	10.7	11.1	1340 x 1605 x 765	14,000	0~82	63	ø12.7	ø25.4	ø9.52	28.8	40	360
FVI-L160CE-E21G	380-415~3~50/60	45.0	50.0	12.7	13.0	1340 x 1605 x 765	14,000	0~82	63	ø12.7	ø28.6	ø9.52	33.2	40	360
FVI-L180CE-E21G	380-415~3~50/60	50.4	56.5	14.2	14.4	1340 x 1740 x 765	16,000	0~82	63	ø15.9	ø28.6	ø9.52	45.4	50	360
FVI-L200CE-E21G	380-415~3~50/60	56.0	63.0	16.0	16.6	1340 x 1740 x 765	16,000	0~82	63	ø15.9	ø28.6	ø9.52	51.1	63	385
FVI-L220CE-E21G	380-415~3~50/60	61.5	69.0	18.5	18.9	1340 x 1740 x 765	16,000	0~82	64	ø15.9	ø28.6	ø9.52	59.2	63	385
FVI-L240CE-E21G	380-415~3~50/60	68.0	76.5	17.7	18.4	(930 x 1605 x 765) + (1340 x 1605 x 765)	11,400 + 14,000	0~82	65	ø15.9	ø28.6	ø9.52	49.7	65	225 + 360
FVI-L260CE-E21G	380-415~3~50/60	73.0	81.5	19.7	20.3	(930 x 1605 x 765) + (1340 x 1605 x 765)	11,400 + 14,000	0~82	65	ø19.05	ø31.8	ø9.52	54.1	65	225 + 360
FVI-L280CE-E21G	380-415~3~50/60	78.4	88.0	21.2	21.7	(930 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 16,000	0~82	66	ø19.05	ø31.8	ø9.52	66.3	75	225 + 360
FVI-L300CE-E21G	380-415~3~50/60	84.0	94.5	23.0	23.9	(930 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 16,000	0~82	67	ø19.05	ø31.8	ø9.52	72.0	88	225 + 385
FVI-L320CE-E21G	380-415~3~50/60	89.5	100.5	25.5	26.2	(930 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 16,000	0~82	67	ø19.05	ø31.8	ø9.52	80.1	88	225 + 385
FVI-L340CE-E21G	380-415~3~50/60	95.0	106.5	27.2	26.7	(930 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 16,000	0~82	68	ø19.05	ø31.8	ø9.52	81.7	95	235 + 385
FVI-L360CE-E21G	380-415~3~50/60	101.5	114.0	29.2	30.0	(1340 x 1605 x 765) + (1340 x 1740 x 765)	14,000 + 16,000	0~82	68	ø19.05	ø38.1	ø9.52	88.0	103	360 + 385
FVI-L380CE-E21G	380-415~3~50/60	106.5	119.0	31.2	31.9	(1340 x 1605 x 765) + (1340 x 1740 x 765)	14,000 + 16,000	0~82	68	ø19.05	ø38.1	ø9.52	92.4	103	360 + 385
FVI-L400CE-E21G	380-415~3~50/60	111.9	125.5	32.7	33.3	2 x (1340 x 1740 x 765)	16,000 x 2	0~82	68	ø19.05	ø38.1	ø9.52	104.6	113	360 + 385
FVI-L420CE-E21G	380-415~3~50/60	117.5	132.0	34.5	35.5	2 x (1340 x 1740 x 765)	16,000 x 2	0~82	69	ø19.05	ø38.1	ø9.52	110.3	126	385 + 385
FVI-L440CE-E21G	380-415~3~50/60	123.0	138.0	37.0	37.8	2 x (1340 x 1740 x 765)	16,000 x 2	0~82	69	ø19.05	ø38.1	ø9.52	118.4	126	385 + 385
FVI-L460CE-E21G	380-415~3~50/60	129.0	144.5	35.7	36.9	(930 x 1605 x 765) + (1340 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 14,000 + 16,000	0~82	69	ø19.05	ø38.1	ø9.52	105.2	128	225 + 360 + 385
FVI-L480CE-E21G	380-415~3~50/60	134.5	150.5	38.2	39.2	(930 x 1605 x 765) + (1340 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 14,000 + 16,000	0~82	69	ø19.05	ø38.1	ø9.52	113.3	128	225 + 360 + 385
FVI-L500CE-E21G	380-415~3~50/60	140.0	156.5	39.9	39.7	(930 x 1605 x 765) + (1340 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 14,000 + 16,000	0~82	69	ø19.05	ø41.3	ø9.52	114.9	135	235 + 360 + 385
FVI-L520CE-E21G	380-415~3~50/60	145.5	163.5	41.5	42.8	(930 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 16,000 x 2	0~82	69	ø19.05	ø41.3	ø9.52	131.2	151	225 + 385 x 2
FVI-L540CE-E21G	380-415~3~50/60	151.0	169.5	44.0	45.1	(930 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 16,000 x 2	0~82	70	ø19.05	ø41.3	ø9.52	139.3	151	225 + 385 x 2
FVI-L560CE-E21G	380-415~3~50/60	156.5	175.5	45.7	45.6	(930 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 16,000 x 2	0~82	70	ø19.05	ø41.3	ø9.52	140.9	158	235 + 385 x 2
FVI-L580CE-E21G	380-415~3~50/60	163.0	183.0	47.7	48.9	(1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	14,000 + 16,000 x 2	0~82	70	ø19.05	ø41.3	ø9.52	147.2	166	360 + 385 x 2
FVI-L600CE-E21G	380-415~3~50/60	168.0	188.0	49.7	50.8	(1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	14,000 + 16,000 x 2	0~82	70	ø19.05	ø41.3	ø9.52	151.6	166	360 + 385 x 2
FVI-L620CE-E21G	380-415~3~50/60	173.4	194.5	51.2	52.2	3 x (1340 x 1740 x 765)	16,000 x 3	0~82	70	ø19.05	ø41.3	ø9.52	163.8	176	360 + 385 x 2
FVI-L640CE-E21G	380-415~3~50/60	179.0	201.0	53.0	54.4	3 x (1340 x 1740 x 765)	16,000 x 3	0~82	71	ø19.05	ø41.3	ø9.52	169.5	189	385 x 3
FVI-L660CE-E21G	380-415~3~50/60	184.5	207.0	55.5	56.7	3 x (1340 x 1740 x 765)	16,000 x 3	0~82	71	ø19.05	ø41.3	ø9.52	177.6	189	385 x 3
FVI-L680CE-E21G	380-415~3~50/60	190.5	213.5	54.2	55.8	(930 x 1605 x 765) + (1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 14,000 + 16,000 x 2	0~82	72	ø22.2	ø44.5	ø9.52	164.4	191	225 + 360 + 385 x 2
FVI-L700CE-E21G	380-415~3~50/60	195.9	220.0	55.7	57.2	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	ø22.2	ø44.5	ø9.52	176.6	201	225 + 360 + 385 x 2
FVI-L720CE-E21G	380-415~3~50/60	201.5	226.5	57.5	59.4	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	ø22.2	ø44.5	ø9.52	182.3	214	225 + 385 x 3
FVI-L740CE-E21G	380-415~3~50/60	207.0	232.5	60.0	61.7	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	ø22.2	ø44.5	ø9.52	190.4	214	225 + 385 x 3
FVI-L760CE-E21G	380-415~3~50/60	212.5	238.5	62.5	64.0	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	ø22.2	ø44.5	ø9.52	198.5	214	225 + 385 x 3
FVI-L780CE-E21G	380-415~3~50/60	218.0	244.5	64.2	64.5	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	74	ø22.2	ø44.5	ø9.52	200.1	221	235 + 385 x 3
FVI-L800CE-E21G	380-415~3~50/60	224.5	252.0	66.2	67.8	(1340 x 1605 x 765) + 3 x (1340 x 1740 x 765)	14,000 + 16,000 x 3	0~82	74	ø22.2	ø44.5	ø9.52	206.4	229	360 + 385 x 3
FVI-L820CE-E21G	380-415~3~50/60	229.5	257.0	68.2	69.7	(1340 x 1605 x 765) + 3 x (1340 x 1740 x 765)	14,000 + 16,000 x 3	0~82	74	ø22.2	ø44.5	ø9.52	210.8	229	360 + 385 x 3
FVI-L840CE-E21G	380-415~3~50/60	234.9	263.5	69.7	71.1	4 x (1340 x 1740 x 765)	16,000 x 4	0~82	75	ø22.2	ø44.5	ø9.52	223.0	239	360 + 385 x 3
FVI-L860CE-E21G	380-415~3~50/60	240.5	270.0	71.5	73.3	4 x (1340 x 1740 x 765)	16,000 x 4	0~82	75	ø22.2	ø44.5	ø9.52	228.7	252	385 x 4
FVI-L880CE-E21G	380-415~3~50/60	246.0	276.0	74.0	75.6	4 x (1340 x 1740 x 765)	16,000 x 4	0~82	75	ø22.2	ø44.5	ø9.52	236.8	252	385 x 4

Note:

* All specifications are subjected to change by manufacturer without prior notice.

Specifications & Parameter of Outdoor Units

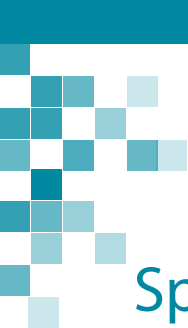
Full Inverter Specifications of Outdoor Units (60 Hz)

Model		Unit	FVI-L080E-H21G	FVI-L100E-H21G	FVI-L120E-H21G	FVI-L140E-H21G
Rating Capacity		HP	8	10	12	14
Power Supply		V~Ph~Hz	208-230~3~60			
Cooling	Rated Capacity	Btu/hr (kW)	76,400 (22.4)	95,500 (28.0)	114,300 (33.5)	136,500 (40.0)
	Rated Input	kW	5.2	7.0	8.4	10.7
	Rated Current	A	17.0	22.9	27.5	34.8
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	5.5	7.3	9.0	11.1
	Rated Current	A	18.0	23.8	29.4	36.3
Max. Circuit / Fuse Current		A	28.74/60	38.21/60	45.07/60	52.58/80
Compressor Configuration		-	1	1	1	2
Fan	Airflow	CMH	11,400	11,400	14,000	14,000
	Rate	CFM	6,709	6,709	8,239	8,239
Sound Pressure Level		dB(A)	60	61	63	63
Dimension (W x H x D)	Unit	mm	930 x 1605 x 765	930 x 1605 x 765	1340 x 1605 x 765	1340 x 1605 x 765
	Packing	mm	1010 x 1775 x 840	1010 x 1775 x 840	1420 x 1775 x 840	1420 x 1775 x 840
Weight	Net / Gross	kg	225 / 235	225 / 235	285 / 300	360 / 375
Refrigerant Charged		kg	6.5	6.7	8.2	9.8
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")
	Oil Balance	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")

Model		Unit	FVI-L160E-H21G	FVI-L180E-H21G	FVI-L200E-H21G	FVI-L220E-H21G
Rating Capacity		HP	16	18	20	22
Power Supply		V~Ph~Hz	208-230~3~60			
Cooling	Rated Capacity	Btu/hr (kW)	153,500 (45.0)	172,000 (50.4)	191,100 (56.0)	209,800 (61.5)
	Rated Input	kW	12.7	14.2	16.0	18.5
	Rated Current	A	41.3	46.4	52.3	60.4
Heating	Rated Capacity	Btu/hr (kW)	170,600 (50.0)	192,800 (56.5)	215,000 (63.0)	235,400 (69.0)
	Rated Input	kW	13.0	14.1	16.6	18.9
	Rated Current	A	42.5	46.1	54.2	61.7
Max. Circuit / Fuse Current		A	60.74/90	82.95/90	93.4/90	108.09/90
Compressor Configuration		-	2	2	2	2
Fan	Airflow	CMH	14,000	16,000	16,000	16,000
	Rate	CFM	8,239	9,416	9,416	9,416
Sound Pressure Level		dB(A)	63	63	63	64
Dimension (W x H x D)	Unit	mm	1340 x 1605 x 765	1340 x 1740 x 765	1340 x 1740 x 765	1340 x 1740 x 765
	Packing	mm	1420 x 1775 x 840	1420 x 1910 x 840	1420 x 1910 x 840	1420 x 1910 x 840
Weight	Net / Gross	kg	360 / 375	360 / 375	385 / 400	385 / 400
Refrigerant Charged		kg	10.3	11.3	14.3	14.3
Connecting Pipe	Liquid	mm (in)	12.7 (1/2")	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")
	Oil Balance	mm (in)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")

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.
- 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 & Parameter of Outdoor Units

Full Inverter Specifications of Outdoor Units Combination (60 Hz)

Model	Power Supply (V~Ph~Hz)	Cooling Capacity		Power Input		Dimension (WxHxD)	Airflow Volume	ESP	Noise	Connecting pipe diameter		Oil Balance Pipe	Max. current	Max. fuse current	Weight
		Cooling	Heating	Cooling	Heating					Liquid	Gas				
		kW	kW	kW	kW					mm	mm				
FVI-L240E-H21G	208-230~3~60	68.0	76.5	17.7	18.4	(930 x 1605 x 765) + (1340 x 1605 x 765)	11,400 + 14,000	0~82	65	ø15.9	ø28.6	ø9.52	90.8	140	225 + 360
FVI-L260E-H21G	208-230~3~60	73.0	81.5	19.7	20.3	(930 x 1605 x 765) + (1340 x 1605 x 765)	11,400 + 14,000	0~82	65	ø19.05	ø31.8	ø9.52	99.0	150	225 + 360
FVI-L280E-H21G	208-230~3~60	78.4	88.0	21.2	21.4	(930 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 16,000	0~82	66	ø19.05	ø31.8	ø9.52	121.2	150	225 + 360
FVI-L300E-H21G	208-230~3~60	84.0	94.5	23.0	23.9	(930 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 16,000	0~82	66	ø19.05	ø31.8	ø9.52	131.6	150	225 + 385
FVI-L320E-H21G	208-230~3~60	89.5	100.5	25.5	26.2	(930 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 16,000	0~82	66	ø19.05	ø31.8	ø9.52	147.1	150	225 + 385
FVI-L340E-H21G	208-230~3~60	95.0	106.5	26.9	27.9	(1340 x 1605 x 765) + (1340 x 1740 x 765)	14,000 + 16,000	0~82	67	ø19.05	ø31.8	ø9.52	154.0	150	285 + 385
FVI-L360E-H21G	208-230~3~60	101.5	114.0	29.2	30.0	(1340 x 1605 x 765) + (1340 x 1740 x 765)	14,000 + 16,000	0~82	67	ø19.05	ø38.1	ø9.52	161.5	170	360 + 385
FVI-L380E-H21G	208-230~3~60	106.5	119.0	31.2	31.9	(1340 x 1605 x 765) + (1340 x 1740 x 765)	14,000 + 16,000	0~82	67	ø19.05	ø38.1	ø9.52	169.6	180	360 + 385
FVI-L400E-H21G	208-230~3~60	111.9	125.5	32.7	33.0	2 x (1340 x 1740 x 765)	16,000 x 2	0~82	67	ø19.05	ø38.1	ø9.52	191.9	180	360 + 385
FVI-L420E-H21G	208-230~3~60	117.5	132.0	34.5	35.5	2 x (1340 x 1740 x 765)	16,000 x 2	0~82	67	ø19.05	ø38.1	ø9.52	202.3	180	385 + 385
FVI-L440E-H21G	208-230~3~60	123.0	138.0	37.0	37.8	2 x (1340 x 1740 x 765)	16,000 x 2	0~82	68	ø19.05	ø38.1	ø9.52	217.8	180	385 + 385
FVI-L460E-H21G	208-230~3~60	129.0	144.5	35.7	36.9	(930 x 1605 x 765) + (1340 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 14,000 + 16,000	0~82	68	ø19.05	ø38.1	ø9.52	192.4	240	225 + 360 + 385
FVI-L480E-H21G	208-230~3~60	134.5	150.5	38.2	39.2	(930 x 1605 x 765) + (1340 x 1605 x 765) + (1340 x 1740 x 765)	11,400 + 14,000 + 16,000	0~82	68	ø19.05	ø38.1	ø9.52	207.9	240	225 + 360 + 385
FVI-L500E-H21G	208-230~3~60	140.0	156.5	39.6	40.9	2 x (1340 x 1605 x 765) + (1340 x 1740 x 765)	14,000 x 2 + 16,000	0~82	69	ø19.05	ø41.3	ø9.52	214.7	240	285 + 360 + 385
FVI-L520E-H21G	208-230~3~60	145.5	163.5	41.5	42.8	(930 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 16,000 x 2	0~82	69	ø19.05	ø41.3	ø9.52	240.5	240	225 + 385 x 2
FVI-L540E-H21G	208-230~3~60	151.0	169.5	44.0	45.1	(930 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 16,000 x 2	0~82	69	ø19.05	ø41.3	ø9.52	256.0	240	225 + 385 x 2
FVI-L560E-H21G	208-230~3~60	156.5	175.5	45.4	46.8	(1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	14,000 + 16,000 x 2	0~82	69	ø19.05	ø41.3	ø9.52	262.9	240	285 + 385 x 2
FVI-L580E-H21G	208-230~3~60	163.0	183.0	47.7	48.9	(1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	14,000 + 16,000 x 2	0~82	69	ø19.05	ø41.3	ø9.52	270.4	260	360 + 385 x 2
FVI-L600E-H21G	208-230~3~60	168.0	188.0	49.7	50.8	(1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	14,000 + 16,000 x 2	0~82	70	ø19.05	ø41.3	ø9.52	278.5	270	360 + 385 x 2
FVI-L620E-H21G	208-230~3~60	173.4	194.5	51.2	51.9	3 x (1340 x 1740 x 765)	16,000 x 3	0~82	70	ø19.05	ø41.3	ø9.52	300.8	270	360 + 385 x 2
FVI-L640E-H21G	208-230~3~60	179.0	201.0	53.0	54.4	3 x (1340 x 1740 x 765)	16,000 x 3	0~82	71	ø19.05	ø41.3	ø9.52	311.2	270	385 x 3
FVI-L660E-H21G	208-230~3~60	184.5	207.0	55.5	56.7	3 x (1340 x 1740 x 765)	16,000 x 3	0~82	71	ø19.05	ø41.3	ø9.52	326.7	270	385 x 3
FVI-L680E-H21G	208-230~3~60	190.5	213.5	54.2	55.8	(930 x 1605 x 765) + (1340 x 1605 x 765) + 2 x (1340 x 1740 x 765)	11,400 + 14,000 + 16,000 x 2	0~82	72	ø22.2	ø44.5	ø9.52	301.3	330	225 + 360 + 385 x 2
FVI-L700E-H21G	208-230~3~60	195.9	220.0	55.7	56.9	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	ø22.2	ø44.5	ø9.52	323.5	330	225 + 360 + 385 x 2
FVI-L720E-H21G	208-230~3~60	201.5	226.5	57.5	59.4	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	ø22.2	ø44.5	ø9.52	333.9	330	225 + 385 x 3
FVI-L740E-H21G	208-230~3~60	207.0	232.5	60.0	61.7	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	ø22.2	ø44.5	ø9.52	349.4	330	225 + 385 x 3
FVI-L760E-H21G	208-230~3~60	212.5	238.5	62.5	64.0	(930 x 1605 x 765) + 3 x (1340 x 1740 x 765)	11,400 + 16,000 x 3	0~82	73	ø22.2	ø44.5	ø9.52	364.9	330	225 + 385 x 3
FVI-L780E-H21G	208-230~3~60	218.0	244.5	63.9	65.7	(1340 x 1605 x 765) + 3 x (1340 x 1740 x 765)	14,000 + 16,000 x 3	0~82	74	ø22.2	ø44.5	ø9.52	371.8	330	285 + 385 x 3
FVI-L800E-H21G	208-230~3~60	224.5	252.0	66.2	67.8	(1340 x 1605 x 765) + 3 x (1340 x 1740 x 765)	14,000 + 16,000 x 3	0~82	74	ø22.2	ø44.5	ø9.52	379.3	350	360 + 385 x 3
FVI-L820E-H21G	208-230~3~60	229.5	257.0	68.2	69.7	(1340 x 1605 x 765) + 3 x (1340 x 1740 x 765)	14,000 + 16,000 x 3	0~82	74	ø22.2	ø44.5	ø9.52	387.4	360	360 + 385 x 3
FVI-L840E-H21G	208-230~3~60	234.9	263.5	69.7	70.8	4 x (1340 x 1740 x 765)	16,000 x 4	0~82	75	ø22.2	ø44.5	ø9.52	409.7	360	360 + 385 x 3
FVI-L860E-H21G	208-230~3~60	240.5	270.0	71.5	73.3	4 x (1340 x 1740 x 765)	16,000 x 4	0~82	75	ø22.2	ø44.5	ø9.52	420.1	360	385 x 4
FVI-L880E-H21G	208-230~3~60	246.0	276.0	74.0	75.6	4 x (1340 x 1740 x 765)	16,000 x 4	0~82	75	ø22.2	ø44.5	ø9.52	435.6	360	385 x 4

Note:

* All specifications are subjected to change by manufacturer without prior notice.

Specifications & Parameter of Outdoor Units

FVN-E Series Individual Outdoor Units



G-type Heat Exchanger

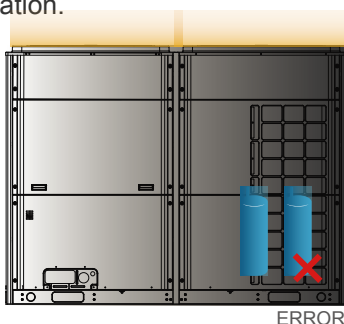
G-type heat exchanger fully utilizes the turning angle and vertical space to ensure sufficient heat exchange area. Stream heat exchange features high control precision and efficient heat exchange to guarantee satisfactory cooling and heating performance.



Excellent Emergency Operation Function to Ensure Reliable Operation

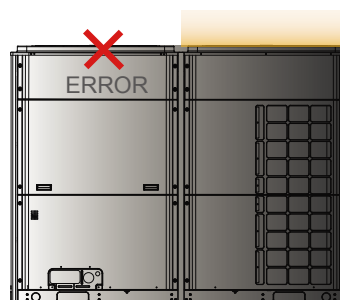
Emergency Operation of Compressor

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



Emergency Operation of Fan

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



Specifications & Parameter of Outdoor Units

FVN-E Series Individual Outdoor Units

Model		Unit	FVN-L280EE-E21G	FVN-L320EE-E21G
Rating Capacity		HP	28	32
Power Supply		V~Ph~Hz	380-415~3~50	
Cooling	Rated Capacity (T1)	Btu/hr (kW)	267,800 (78.5)	307,100 (90.0)
	Rated Capacity (T3)	Btu/hr (kW)	238,800 (70.0)	274,000 (80.3)
	Rated Input	kW	23.4	26.9
	Rated Current	A	41.8	48.1
Heating	Rated Capacity	Btu/hr (kW)	298,600 (87.5)	341,200 (100.0)
	Rated Input	kW	23.0	26.0
	Rated Current	A	41.1	46.5
Max. Circuit / Fuse Current		A	55.4 / 63	71.5 / 80
Compressor Configuration		-	DC x 2	DC x 2
Fan	Airflow	CMH	26,000	28,000
	Rate	CFM	15,301	16,478
Sound Pressure Level		dB(A)	65	65
Dimension (W x H x D)	Unit	mm	2200 x 1675 x 880	2200 x 1675 x 880
	Packing	mm	2267 x 1867 x 952	2267 x 1867 x 952
Weight	Net / Gross	kg	500 / 535	535 / 565
Refrigerant Charged		kg	18.9	24.0
Connecting Pipe	Liquid	mm (in)	19.05 (3/4")	19.05 (3/4")
	Gas	mm (in)	31.8 (1-1/4")	31.8 (1-1/4")

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; Connection pipe length of 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 correction with long connection pipe.

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

FVI-E SERIES SLIM & FVI-E SERIES MINI



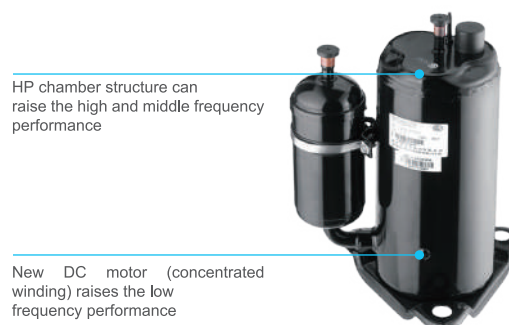
Key Features

All DC Inverter Technology to Improve Compression Efficiency

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

All DC Inverter Compressor

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



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

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	VRF Slim	VRF Mini
Total piping length	150m	300m	300m
Equivalent piping length	70m	150m	150m

Specifications & Parameter of Mini & Slim

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-L062VE-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 Mini & Slim

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	4.0	5.0	4.0	5.0	5.5
Power Supply	V~Ph~Hz	220-240~1~50 & 208-230~1~60						
Rated Capacity	Cooling(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)
	Cooling(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)
	Heating	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)
Power Consumption	Cooling	kW	2.05	2.70	3.45	3.92	3.03	3.59
		A	11.0	14.4	18.4	20.9	16.2	19.2
	Heating	kW	1.90	2.50	2.70	4.16	3.27	3.95
		A	10.1	13.4	14.4	22.2	17.5	21.1
Max. Current	A	21.4	22.4	24.0	35.8	30.4	33.7	36.3
Fan	Airflow	CMH	3,900	4,000	4,400	5,200	6,000	6,300
	Rate	CFM	2,295	2,354	2,589	3,060	3,531	3,708
Sound Pressure Level	dB(A)	56	56	57	58	57	58	58
Dimension (W x H x D)	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
	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
Weight	Net / Gross	kg	80 / 90	80 / 90	85 / 95	98 / 108	112 / 123	112 / 123
Refrigerant Charged	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")
	Gas	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")

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	5.5
Power Supply	V~Ph~Hz	380-415~3~50/60		
Rated Capacity	Cooling(T1)	Btu/hr (kW)	41,300 (12.1)	54,600 (16.0)
	Cooling(T3)	Btu/hr (kW)	37,300 (10.9)	49,200 (14.4)
	Heating	Btu/hr (kW)	47,800 (14.0)	61,400 (18.0)
Power Consumption	Cooling	kW	3.03	3.59
		A	5.4	6.4
	Heating	kW	3.27	3.95
		A	5.8	7.1
Max. Current	A	11.1	12.0	12.5
Fan	Airflow	CMH	6,000	6,300
	Rate	CFM	3,531	3,708
Sound Pressure Level	dB(A)	57	58	58
Dimension (W x H x D)	Unit	mm	900 x 1345 x 340	900 x 1345 x 340
	Packing	mm	998 x 1500 x 458	998 x 1500 x 458
Weight	Net / Gross	kg	122 / 133	122 / 133
Refrigerant Charged	kg	3.3	3.3	3.3
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	9.52 (3/8")
	Gas	mm (in)	15.9 (5/8")	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; 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.

Specifications & Parameter of Mini & Slim

Specifications Mini VRF (Cooling Only) 220-240V/50Hz & 208-230V/60Hz

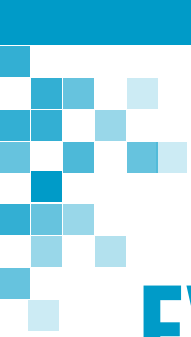
Model	Unit	FVI-L028VE-A21G	FVI-L036VE-A21G	FVI-L042VE-A21G	FVI-L050VE-A21G	FVI-L055VE-A21G	FVI-L062VE-A21G
Rating Capacity	HP	3.0	3.5	4.0	5.0	5.5	6.5
Power Supply	V~Ph~Hz	220-240~1~50 & 203-230~1~60					
Rated Capacity	Btu/hr (kW)	27,300 (8.0)	34,200 (10.0)	41,000 (12.0)	47,800 (14.0)	54,600 (16.0)	61,400 (18.0)
Power Consumption	kW	2.05	2.70	3.45	3.59	4.75	5.30
	A	11.0	14.4	18.4	19.18	25.4	26.8
Max. Current	A	21.4	22.4	24	33.7	36.3	37.5
Fan	Airflow Rate	CMH	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 (W x H x D)	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
Refrigerant Charged	kg	2.09	2.09	2.29	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")
	Gas	mm (in)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	19.05 (3/4")	19.05 (3/4")

Specifications Slim VRF (Cooling Only)

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		
Rated Capacity	Btu/hr (kW)	76,400 (22.4)	95,500 (28.0)	114,300 (33.5)
Power Consumption	kW	5.90	7.15	9.00
	A	10.0	11.5	14.0
Max. Current	A	25	25	25
Fan	Airflow Rate	CMH	8,000	11,000
		CFM	4,708	6,474
Sound Pressure Level	dB(A)	58	60	60
Dimension (W x H x D)	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	168 / 181
Refrigerant Charged	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")

Specifications Slim VRF (Cooling & Heating)

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		
Rated Capacity	Cooling(T1)	Btu/hr (kW)	76,400 (22.4)	95,500 (28.0)
	Cooling(T3)	Btu/hr (kW)	68,900 (20.2)	86,000 (25.2)
	Heating	Btu/hr (kW)	82,000 (24.0)	102,400 (30.0)
Power Consumption	Cooling	kW	6.12	7.78
		A	10.9	13.9
	Heating	kW	4.90	6.12
		A	8.8	10.9
Max. Current	A	17.2	22.4	24.5
Fan	Airflow Rate	CMH	8,000	11,000
		CFM	4,708	6,474
Sound Pressure Level	dB(A)	60	62	63
Dimension (W x H x D)	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	133 / 144	166 / 183
Refrigerant Charged	kg	5.5	7.1	8.0
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	12.7 (1/2")
	Gas	mm (in)	19.05 (3/4")	25.4 (1")



FVR-E SERIES HEAT RECOVERY

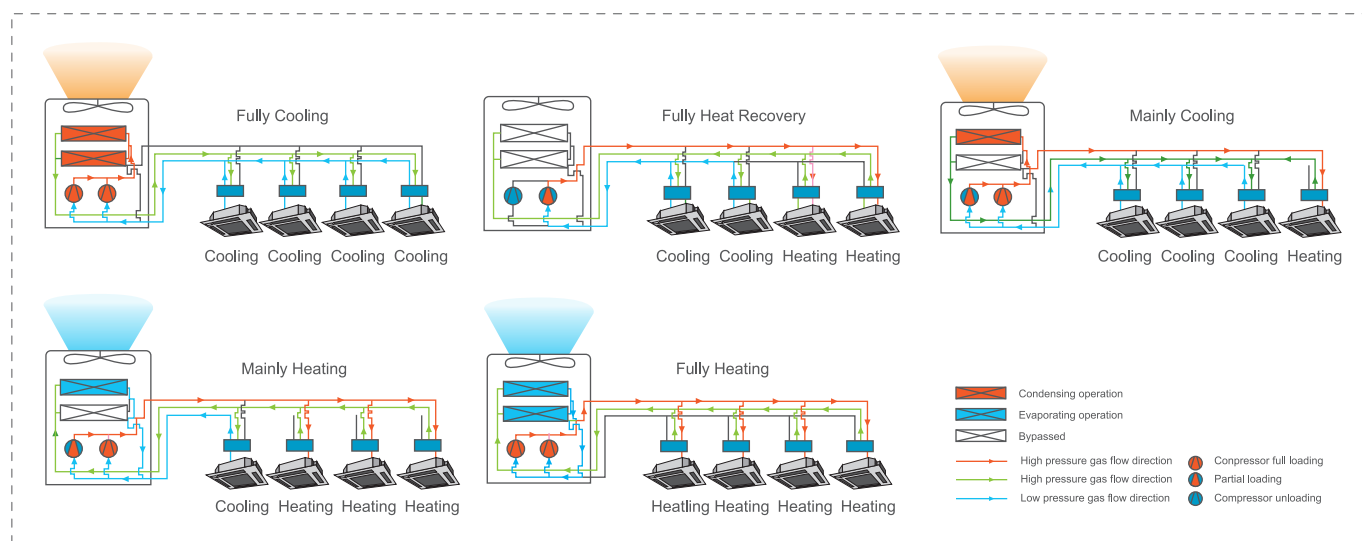


Key Features

High Efficiency

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

• Five Efficient Operation Modes



Outdoor Units Lineup

No.	Model	Rated Capacity			Description	ODU Combination (HP)
		HP	kW	Btu/hr		
1	FVR-L080E2-E21G	8	22.4	76,400	BASIC MODULE ODU	8
2	FVR-L100E2-E21G	10	28.0	95,500		10
3	FVR-L120E2-E21G	12	33.5	114,300		12
4	FVR-L140E2-E21G	14	40.0	136,500		14
5	FVR-L160E2-E21G	16	45.0	153,500		16
6	FVR-L180E2-E21G	18	50.4	171,900	2 MODULAR ODU	8 + 10
7	FVR-L200E2-E21G	20	56.0	191,000		10 + 10
8	FVR-L220E2-E21G	22	61.5	209,800		10 + 12
9	FVR-L240E2-E21G	24	68.0	232,000		10 + 14
10	FVR-L260E2-E21G	26	73.0	249,000		10 + 16
11	FVR-L280E2-E21G	28	78.5	267,800		12 + 16
12	FVR-L300E2-E21G	30	85.0	290,000		14 + 16
13	FVR-L320E2-E21G	32	90.0	307,000		16 + 16
14	FVR-L340E2-E21G	34	96.0	327,500	3 MODULAR ODU	10 + 10 + 14
15	FVR-L360E2-E21G	36	101.0	344,500		10 + 10 + 16
16	FVR-L380E2-E21G	38	106.5	363,300		10 + 12 + 16
17	FVR-L400E2-E21G	40	113.0	385,500		10 + 14 + 16
18	FVR-L420E2-E21G	42	118.0	402,500		10 + 16 + 16
19	FVR-L440E2-E21G	44	123.5	421,300		12 + 16 + 16
20	FVR-L460E2-E21G	46	130.0	443,500		14 + 16 + 16
21	FVR-L480E2-E21G	48	135.0	460,500		16 + 16 + 16
22	FVR-L500E2-E21G	50	141.0	481,000	4 MODULAR ODU	10 + 10 + 14 + 16
23	FVR-L520E2-E21G	52	146.0	498,000		10 + 10 + 16 + 16
24	FVR-L540E2-E21G	54	151.5	516,800		10 + 12 + 16 + 16
25	FVR-L560E2-E21G	56	158.0	539,000		10 + 14 + 16 + 16
26	FVR-L580E2-E21G	58	163.0	556,000		10 + 16 + 16 + 16
27	FVR-L600E2-E21G	60	168.5	574,800		12 + 16 + 16 + 16
28	FVR-L620E2-E21G	62	175.0	597,000		14 + 16 + 16 + 16
29	FVR-L640E2-E21G	64	180.0	614,000		16 + 16 + 16 + 16

Heat Recovery Lineup

HP	Model	Product Outlook
8 HP	FVR-L080E2-E21G	
10 HP	FVR-L100E2-E21G	
12 HP	FVR-L120E2-E21G	
14 HP	FVR-L140E2-E21G	
16 HP	FVR-L160E2-E21G	

Model	Product Outlook
NCHS1C	
NCHS2C	
NCHS4C	
NCHS8C	

Specifications Heat Recovery VRF

Model		Unit	FVR-L080E2-E21G	FVR-L100E2-E21G	FVR-L120E2-E21G	FVR-L140E2-E21G	FVR-L160E2-E21G
Rating Capacity		HP	8	10	12	14	16
Power Supply		V~Ph~Hz	380-415~3~50/60				
Cooling	Rated	Btu/hr (kW)	76,500 (22.4)	95,600 (28.0)	114,300 (33.5)	136,500 (40.0)	153,600 (45.0)
Heating	Rated	Btu/hr (kW)	76,500 (22.4)	95,600 (28.0)	114,300 (33.5)	136,500 (40.0)	153,600 (45.0)
	Max	Btu/hr (kW)	85,300 (25.0)	107,500 (31.5)	128,000 (37.5)	153,600 (45.0)	170,600 (50.0)
Rated Input	Cooling	kW	5.48	8.14	8.29	11.90	14.80
	Heating	kW	5.26	7.29	7.70	10.00	12.69
Rated Current	Cooling	A	9.80	14.57	14.84	21.27	26.46
	Heating	A	9.40	13.05	13.76	17.88	22.70
Max. Circuit / Fuse Current		A	16.3 / 20	20.9 / 25	24.7 / 32	28.8 / 40	33.2 / 40
Compressor Configuration		-	DC x1	DC x1	DC x1	DC x2	DC x2
Fan	Airflow	CMH	11,400	11,400	14,000	14,000	14,000
	Rate	CFM	6,709	6,709	8,239	8,239	8,239
Sound Pressure Level		dB(A)	60	61	63	63	63
Dimension (W x H x D)	Unit	mm	930 x 1605 x 765	930 x 1605 x 765	1340 x 1605 x 765	1340 x 1605 x 765	1340 x 1605 x 765
	Packing	mm	1010 x 1775 x 840	1010 x 1775 x 840	1420 x 1775 x 840	1420 x 1775 x 840	1420 x 1775 x 840
Weight	Net / Gross	kg	233 / 243	233 / 243	302 / 317	346 / 361	346 / 361
Refrigerant Charged		kg	6.2	7.1	9.6	11.1	11.6
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 (Low)	mm (in)	19.05 (3/4")	22.2 (7/8")	25.4 (1")	25.4 (1")	28.6 (1-1/8")
	Gas (High)	mm (in)	15.9 (5/8")	19.05 (3/4")	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")

Model		Unit	NCHS1C	NCHS2C	NCHS4C	NCHS8C
Max. IDU Branches		-	1	2	4	8
No. of connectable IDU of each branch		-	8	8	8	8
Total Connectable IDU		-	8	16	32	64
Max. Capacity of each branch		kW	14.2	14.2	14.2	14.2
Max. Capacity of connectable IDU		kW	14.2	28	45	68
Power Supply		V~Ph~Hz	220-240~1~50/60			
Power Consumption		W	8	28	44	80
Maximum drive IDU No.		-	1	2	4	8
Outdoor Unit Piping Connecction	Liquid	mm (in)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	15.9 (5/8")
	Gas (Low)	mm (in)	22.2 (7/8")	22.2 (7/8")	28.6 (1-1/8")	28.6 (1-1/8")
	Gas (High)	mm (in)	15.9 (5/8")	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")
Indoor Unit Piping Connection	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")	15.9 (5/8")	15.9 (5/8")
Dimension (WxDxH)	Outline	mm	388 x 302 x 225	468 x 377 x 225	587 x 399 x 225	987 x 488 x 225
	Package	mm	805 x 403 x 305	946 x 646 x 365	1123 x 676 x 345	1524 x 861 x 315
Weight	Net	kg	9.0	15.6	18.6	37.0
	Gross	kg	12.2	23.4	24.6	46.6

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.

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.

FVW-E SERIES WATER COOLED

Utilization of Renewable Resources

The water source of FVW Water can be a cooling tower, boiler or renewable resources; surface water (river, lake and sea), ground water, soil, solar power, industrial waste heat or domestic waste water.

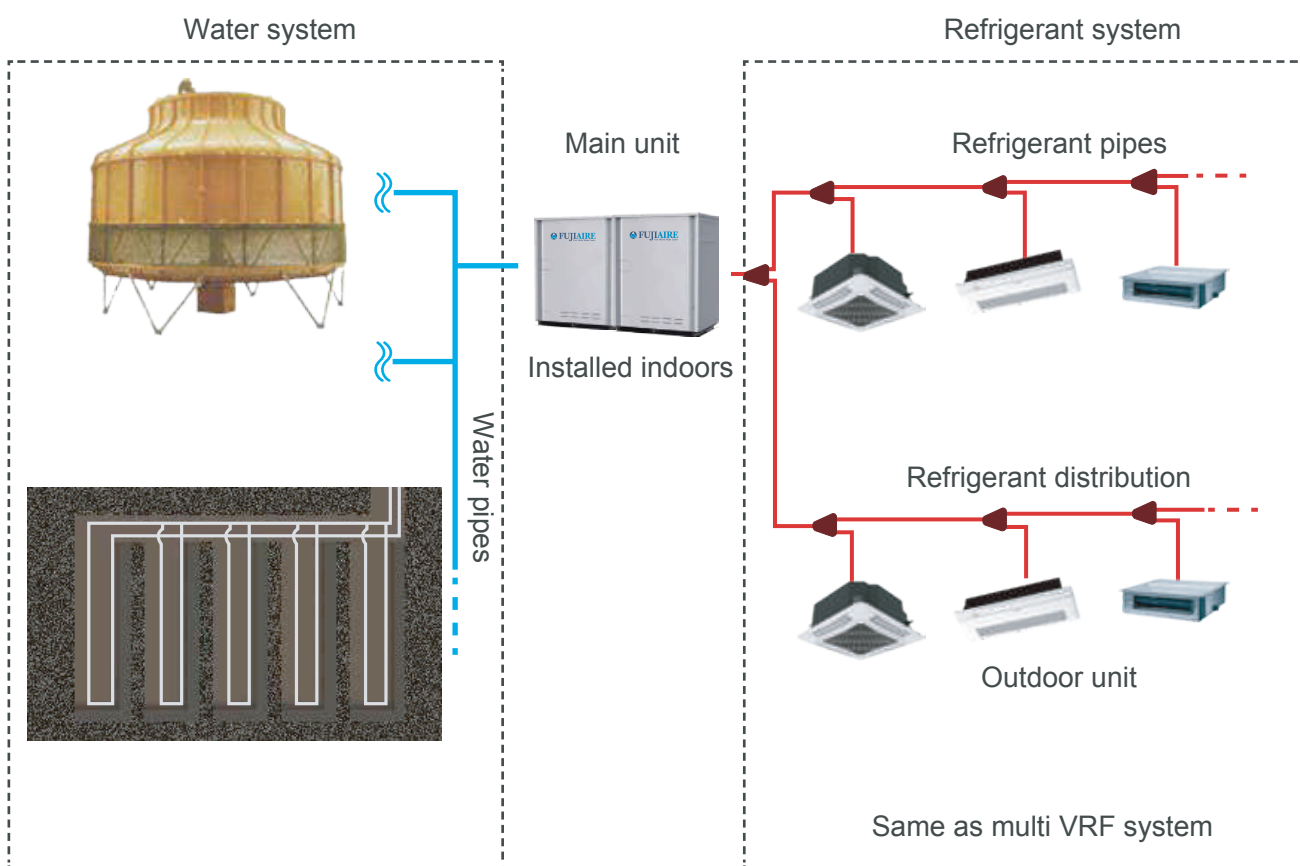
It consist of two parts:

* A water system for exchanging heat between outdoor units and water/earth resources

Advantages: many kinds of water/earth resources can be utilized with insulated water/earth, cooling tower, boiler, etc., compare with traditional ones, it's more energy saving and space saving.

* Multi VRF refrigerant system that covers from indoor units and outdoor units.

Advantages: flexibility for installation, convenience for construction as well as intelligent control; various types of indoor units, which are flexible for different locations.



Large Capacity Design

The combination of basic modules can have 4 modules at most, with maximum capacity of 134kW. The wide range of capacity can satisfy different construction demands. Up to 80 indoor units can be connected.



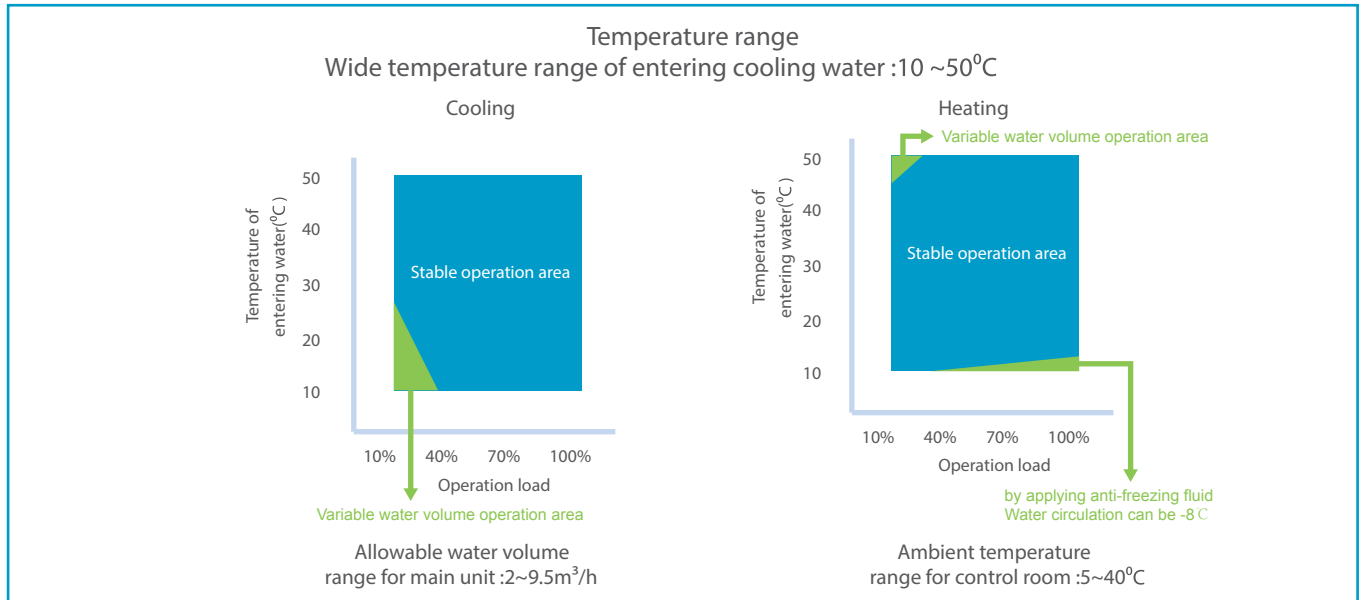
22.4kW



134.0kW

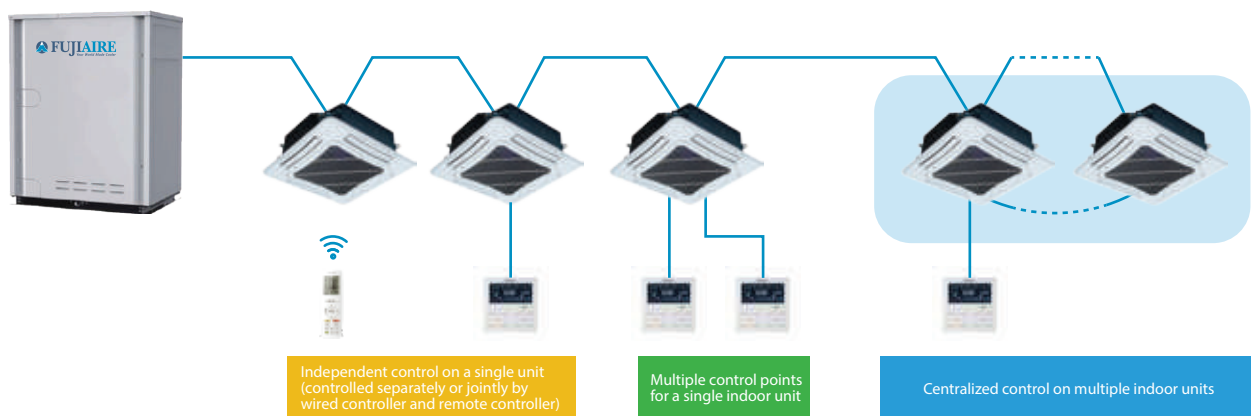
Wide Operating Range

Wide range for water entering the water side heat exchanger: 10~50°C; Water flow range of the main unit: 2~9.5m³/h, suitable in most of the places across the nation.



New CAN Network Control

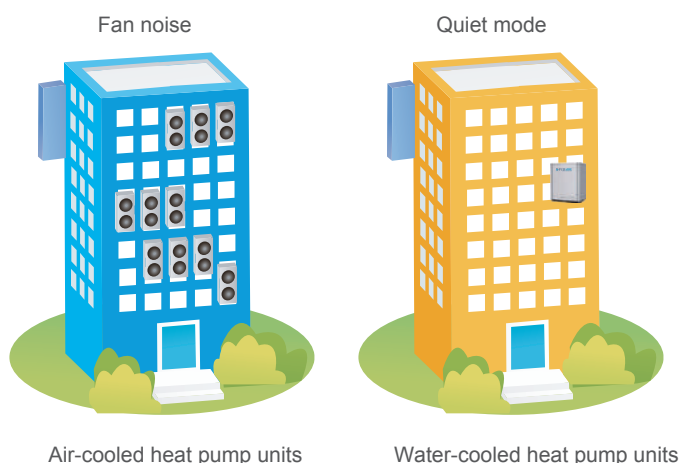
FVW Water adopts CAN communication, which has greatly improved the networking performance. It can be used in perfect combination with FVI-E indoor units.



- Independent control on a single unit: every indoor unit can have an independent controller to realize independent control and management.
- Multiple control points for a single unit: one indoor unit can be connected to multiple wired controllers, which will together control one indoor unit.
- Centralized control on multiple indoor units: multiple indoor units can be connected to one wired controller to realize centralized control. One wired controller can control up to 16 indoor units.
- Joint control by remote controller and wired controller: remote controller is convenient for use and wired controller is with complete functions. With control logic, user can use both remote controller and wired controller to control a same indoor unit.

Fully Closed Design, Low Noise

Fujiaire FVW Water System has a totally enclosed design. Unlike traditional outdoor units, this system has low noise, which is especially suitable for places where quietness is needed.



No impact on Construction Appearance

Air-cooled air conditioners must be installed outdoors so that they can exchange heat with the air. However, outdoor installation space is limited and for the sake of preserving the construction beauty, more and more outdoor units are placed indoors. In order to ensure normal operation, there must have large quantities of grilles. As for FVW Water, there's no need to exchange heat with the air, therefore, the installation position is very flexible and can be coordinated with the construction design, having no impact on the construction appearance.



Outdoor Units Lineup

No.	Model	Rated Capacity			Description	ODU Combination (HP)
		HP	kW	Btu/hr		
1	FVW-L080E-E21N/H21N	8	22.4	76,400	BASIC MODULE ODU	8
2	FVW-L100E-E21N/H21N	10	28.0	95,500		10
3	FVW-L120E-E21N/H21N	12	33.5	114,300		12
4	FVW-L160E-E21N/H21N	16	44.8	152,800	2 MODULAR ODU	8 + 8
5	FVW-L180E-E21N/H21N	18	50.4	171,900		8 + 10
6	FVW-L200E-E21N/H21N	20	56.0	191,000		10 + 10
7	FVW-L220E-E21N/H21N	22	61.5	209,800		10 + 12
8	FVW-L240E-E21N/H21N	24	67.0	228,600		12 + 12
9	FVW-L260E-E21N/H21N	26	72.8	248,300	3 MODULAR ODU	8 + 8 + 10
10	FVW-L280E-E21N/H21N	28	78.4	267,400		8 + 10 + 10
11	FVW-L300E-E21N/H21N	30	84.0	286,500		10 + 10 + 10
12	FVW-L320E-E21N/H21N	32	89.5	305,300		10 + 10 + 12
13	FVW-L340E-E21N/H21N	34	95.0	324,100		10 + 12 + 12
14	FVW-L360E-E21N/H21N	36	100.5	342,900	4 MODULAR ODU	12 + 12 + 12
15	FVW-L380E-E21N/H21N	38	106.4	362,900		8 + 10 + 10 + 10
16	FVW-L400E-E21N/H21N	40	112.0	382,000		10 + 10 + 10 + 10
17	FVW-L420E-E21N/H21N	42	117.5	400,800		10 + 10 + 10 + 12
18	FVW-L440E-E21N/H21N	44	123.0	419,600		10 + 10 + 12 + 12
19	FVW-L460E-E21N/H21N	46	128.5	438,400		10 + 12 + 12 + 12
20	FVW-L480E-E21N/H21N	48	134.0	457,200		12 + 12 + 12 + 12

FVW-E Series Water Cooled Specification Outdoor Units

380-415V, 3Ph, 50/60Hz

Model		Unit	FVW-L080E-E21N	FVW-L100E-E21N	FVW-L120E-E21N
Rating Capacity		HP	8	10	12
Power Supply		V~Ph~Hz	380-415~3~50/60		
Capacity	Cooling	Btu/hr (kW)	76,500 (22.4)	95,600 (28.0)	114,300 (33.5)
	Heating	Btu/hr (kW)	85,300 (25.0)	107,500 (31.5)	128,000 (37.5)
Rated Input	Cooling	kW	3.90	5.70	7.90
	Heating	kW	4.00	5.40	7.35
Water Flow Volume		m ³ /h	4.8	6.0	7.2
		Usgpm	21.1	26.4	31.7
Water Pressure Drop		kPa	16	24	45
Minimum Circuit Current		A	16.10	19.70	26.80
Maximum Fuse Current		A	20	20	32
Refrigerant	Gas	mm (in)	22.2 (7/8")	22.2 (7/8")	25.4 (1")
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")
Sound Pressure Level		dB(A)	50	52	52
Dimension (W x D x H)	Unit	mm	780 x 550 x 1000	780 x 550 x 1000	780 x 550 x 1000
	Packing	mm	833 x 599 x 1160	833 x 599 x 1160	833 x 599 x 1160
Weight	Net / Gross	kg	162 / 175	162 / 175	162 / 175

208-230V, 3Ph, 60Hz

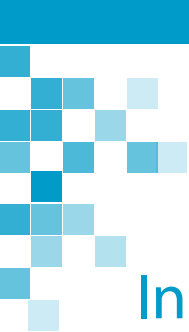
Model		Unit	FVW-L080E-H21N	FVW-L100E-H21N	FVW-L120E-H21N
Rating Capacity		HP	8	10	12
Power Supply		V~Ph~Hz	208-230~3~60		
Capacity	Cooling	Btu/hr (kW)	76,500 (22.4)	95,600 (28.0)	114,300 (33.5)
	Heating	Btu/hr (kW)	85,300 (25.0)	107,500 (31.5)	128,000 (37.5)
Rated Input	Cooling	kW	3.90	5.70	7.90
	Heating	kW	4.00	5.40	7.35
Water Flow Volume		m ³ /h	4.8	6.0	7.2
		Usgpm	21.1	26.4	31.7
Water Pressure Drop		kPa	16	24	45
Minimum Circuit Current		A	32.3	34.2	45.1
Maximum Fuse Current		A	50	60	80
Refrigerant	Gas	mm (in)	22.2 (7/8")	22.2 (7/8")	25.4 (1")
Connecting Pipe	Liquid	mm (in)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")
Sound Pressure Level		dB(A)	50	52	52
Dimension (W x D x H)	Unit	mm	780 x 550 x 1000	780 x 550 x 1000	780 x 550 x 1000
	Packing	mm	833 x 599 x 1160	833 x 599 x 1160	833 x 599 x 1160
Weight	Net / Gross	kg	162 / 175	162 / 175	162 / 175

Note:

- Nominal cooling & heating capacities are based on the following conditions:
Cooling: indoor 27°C DB/19°C WB, water-in temperature 30°C (rated water flow);
Heating: indoor 20°C DB/15°C WB, water-in temperature 20°C (rated water flow)
- All specifications are subjective to change by manufacturer without prior notice.

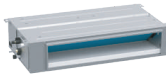
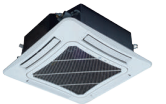
FVI-E SERIES INDOOR UNITS





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			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
4-Way Cassette						●		●		●	●	●	●	●	●	●	●	●	●	●	●						
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



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.

Specifications

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	8,600	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")	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	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")	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	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



FVI-D080HE/D100HE

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.

*This series without water pump.



FVI-D140HE/D150HE



FVI-D1200HE

Specifications

		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 & 203-230~1~60			380-415/3/50/60	
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	4708/3590/3972	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 Thickness	mm	ø25x2.5	ø25x2.5	ø25x1.2	ø25x1.2	ø25x1.2
Unit Dimension (WxHxD)	mm		1483x385x791	1686x450x870	1680x650x900	1900x700x1100	1900x850x1100
Packing Dimension (WxHxD)	mm		1578x472x883	1788x580x988	1923x850x1153	2093x900x1463	2123x1060x1463
Weight	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.

Low Static Pressure Duct Type Indoor Unit



Low static pressure, low noise

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

Intelligent drainage device

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

Convenient installation

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

Protection function

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

Specifications

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	28	28	28	28	37	37
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")
	Gas Pipe	mm (in)	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	710x200x462	710x200x462	710x200x462	710x200x462	710x200x462	710x200x462
Packing Dimension (WxHxD)	mm	1008x275x568	1008x275x568	1008x275x568	1008x275x568	1008x275x568	1008x275x568
Weight (Net/Gross)	kg	18.5/23.5	18.5/23.5	18.5/23.5	18.5/23.5	19/24	19/24

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.

Low Static Pressure Duct Type Indoor Unit

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	40	40	55	55	55	55
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	15/0~30
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
Unit Dimension (WxHxD)		mm	1010x200x462	1010x200x462	1010x200x462	1010x200x462	1010x200x462	1310x200x462
Packing Dimension (WxHxD)		mm	1308x275x568	1308x275x568	1308x275x568	1308x275x568	1308x275x568	1608x275x568
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
Unit Dimension (WxHxD)		mm	1200x260x655	1340x260x655	1340x260x655	1340x260x655	1340x260x655	1340x260x655
Packing Dimension (WxHxD)		mm	1448x315x858	1588x315x858	1588x315x858	1588x315x858	1588x315x858	1588x315x858
Weight (Net/Gross)		kg	39 / 48	45.5 / 54.5	45.5 / 54.5	45.5 / 54.5	46.5 / 54.5	46.5 / 54.5

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.

4-way Cassette Indoor Unit

Model		Unit	FVI-T028E-A21N	FVI-T032E-A21N	FVI-T036E-A21N	FVI-T040E-A21N	FVI-T045E-A21N	FVI-T050E-A21N	FVI-T055E-A21N
Cooling Capacity (T1)		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
Cooling Capacity (T3)		kW	7.2	8.1	9.0	10.1	11.3	12.6	14.4
		Btu/hr	24,600	27,700	30,700	34,500	38,500	43,000	49,100
Heating Capacity		kW	9.0	10.0	11.2	12.5	14.0	16.0	18.0
		Btu/hr	30,800	34,200	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	68	98	98	110	110	110	130
Air Flow Volume (H/M/L)		CMH	1180/950/850	1500/1350/1100	1500/1350/1100	1700/1400/1100	1860/1500/1150	1860/1500/1150	2100/1700/1400
		CFM	695/559/550	880/795/650	880/795/650	1000/824/650	1095/880/677	1095/880/677	1235/1000/824
Noise		dB(A)	38/36/33	40/37/35	40/37/35	41/38/36	43/41/38	43/41/38	47/44/42
Connecting Pipe	Liquid 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")	19.05 (3/4")
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	840x240x840	840x320x840	840x320x840	840x320x840	840x320x840	840x320x840	910x293x910
Panel Dimension (WxHxD)		mm	950x65x950	950x65x950	950x65x950	950x65x950	950x65x950	950x65x950	950x65x950
Packing Dimension (WxHxD)		mm	963x325x963	963x409x963	963x409x963	963x409x963	963x409x963	963x409x963	1023x375x993
Panel Packing Dimension (WxHxD)		mm	1033x133x1038	1033x133x1038	1033x133x1038	1033x133x1038	1033x133x1038	1033x133x1038	1033x133x1038
Weight (Net/Gross)		kg	26.5/34.5	32.5/40.0	32.5/40.0	32.5/40.0	32.5/40.0	32.5/40.0	46.5/56.5
Panel Weight (Net/Gross)		kg	7/11	7/11	7/11	7/11	7/11	7/11	7/11

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.

8-way Cassette Indoor Unit



Intelligent drainage device

With direct current drainage pump, the operation noise is lower and the lift reaches 1.2m.

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

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.

Fresh air function

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

Specifications

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")
	Gas Pipe	mm (in)	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
Unit Dimension (WxHxD)	mm	840x240x840	840x240x840	840x240x840	840x240x840	840x240x840
Panel Dimension (WxHxD)	mm	950x65x950	950x65x950	950x65x950	950x65x950	950x65x950
Packing Dimension (WxHxD)	mm	963x325x963	963x325x963	963x325x963	963x325x963	963x325x963
Panel Packing Dimension (WxHxD)	mm	1033x110x1020	1033x110x1020	1033x110x1020	1033x110x1020	1033x110x1020
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:

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

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	80	80
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	736/559/530	736/559/530
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")
	Gas Pipe	mm (in)	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	840x240x840	840x240x840	840x240x840	840x240x840	840x240x840
Panel Dimension (WxHxD)	mm	950x65x950	950x65x950	950x65x950	950x65x950	950x65x950
Packing Dimension (WxHxD)	mm	963x325x963	963x325x963	963x325x963	963x325x963	963x325x963
Panel Packing Dimension (WxHxD)	mm	1033x110x1020	1033x110x1020	1033x110x1020	1033x110x1020	1033x110x1020
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	80	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	736/559/530	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")
	Gas Pipe	mm (in)	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	840x240x840	840x290x840	840x290x840	840x290x840	840x290x840
Panel Dimension (WxHxD)	mm	950x65x950	950x65x950	950x65x950	950x65x950	950x65x950
Packing Dimension (WxHxD)	mm	963x325x963	963x379x963	963x379x963	963x379x963	963x379x963
Panel Packing Dimension (WxHxD)	mm	1033x110x1020	1033x110x1020	1033x110x1020	1033x110x1020	1033x110x1020
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:

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.

Intelligent drainage device

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

Ultra-low noise operation

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

Specifications

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")	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")	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	570x265x570	570x265x570	570x265x570	570x265x570	570x265x570	570x265x570	570x265x570	570x265x570
Panel Dimension (WxHxD)	mm	620x47.5x620	620x47.5x620	620x47.5x620	620x47.5x620	620x47.5x620	620x47.5x620	620x47.5x620	620x47.5x620
Packing Dimension (WxHxD)	mm	698x295x653	698x295x653	698x295x653	698x295x653	698x295x653	698x295x653	698x295x653	698x295x653
Panel Packing Dimension (WxHxD)	mm	701x125x701	701x125x701	701x125x701	701x125x701	701x125x701	701x125x701	701x125x701	701x125x701
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:

- 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.

1-way Cassette Indoor Unit



Smart installation space

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

Detachable grilles and long service life for filter

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

Intelligent drainage device

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

Protection function

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

Specifications

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	830/600/500
	CFM	355/295/265	355/295/265	355/295/265	490/355/295	490/355/295	490/355/295
Noise	dB(A)	36/32/28	36/32/28	36/32/28	40/35/30	40/35/30	40/35/30
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")
	Gas Pipe	mm (in)	9.52 (3/8")	9.52 (3/8")	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	987x178x385	987x178x385	987x178x385	987x178x385	987x178x385	987x178x385
Panel Dimension (WxHxD)	mm	1200x55x460	1200x55x460	1200x55x460	1200x55x460	1200x55x460	1200x55x460
Packing Dimension (WxHxD)	mm	1307x310x501	1307x310x501	1307x310x501	1307x310x501	1307x310x501	1307x310x501
Panel Packing Dimension (WxHxD)	mm	1265x118x536	1265x118x536	1265x118x536	1265x118x536	1265x118x536	1265x118x536
Weight (Net/Gross)	kg	20.0/27.0	20.0/27.0	20.0/27.0	21.0/28.5	21.0/28.5	21.0/28.5
Panel Weight (Net/Gross)	kg	4.2/6.0	4.2/6.0	4.2/6.0	4.2/6.0	4.2/6.0	4.2/6.0

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



Elegant Appearance

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

Two way air flow design

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

Intelligent drainage device

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

Protection function

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

Specifications

Model		Unit	FVI-S010E-A21N	FVI-S013E-A21N	FVI-S016E-A21N	FVI-S018E-A21N	FVI-S020E-A21N	FVI-S022E-A21N	FVI-S025E-A21N
Cooling Capacity (T1)	kW		2.8	3.6	4.5	5.0	5.6	6.3	7.1
	Btu/hr		9,600	12,300	15,400	17,100	19,100	21,500	24,300
Cooling Capacity (T3)	kW		2.5	3.3	4.1	4.5	5.0	5.7	6.4
	Btu/hr		8,600	11,100	13,900	15,400	17,200	19,400	21,900
Heating Capacity	kW		3.2	4.0	5.0	5.6	6.3	7.1	8.0
	Btu/hr		11,000	13,700	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	55	55	55	55	103	103	103
Air Flow Volume (H/M/L)	CMH		830/660/580	830/660/580	830/660/580	830/660/580	1100/900/750	1100/900/750	1100/900/750
	CFM		490/390/340	490/390/340	490/390/340	490/390/340	650/530/440	650/530/440	650/530/440
Noise		dB(A)	35/32/29	35/32/29	35/32/29	35/32/29	39/36/33	39/36/33	39/36/33
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")	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	1200x315x520	1200x315x520	1200x315x520	1200x315x520	1200x315x520	1200x315x520	1200x315x520
Panel Dimension (WxHxD)		mm	1416x33x630	1416x33x630	1416x33x630	1416x33x630	1416x33x630	1416x33x630	1416x33x630
Packing Dimension (WxHxD)		mm	1523x430x658	1523x430x658	1523x430x658	1523x430x658	1523x430x658	1523x430x658	1523x430x658
Panel Packing Dimension (WxHxD)		mm	1578x120x768	1578x120x768	1578x120x768	1578x120x768	1578x120x768	1578x120x768	1578x120x768
Weight (Net/Gross)		kg	43/54	43/54	43/54	43/54	46/56	46/56	46/56
Panel Weight (Net/Gross)		kg	7/11	7/11	7/11	7/11	7/11	7/11	7/11

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



Comfortable and balanced air flow, up & down air outlet

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

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

Cold air prevention design

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

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.

Specifications

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")
	Gas Pipe	mm (in)	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	845x289x209	845x289x209	845x289x209	845x289x209	845x289x209	970x300x224
Packing Dimension (WxHxD)	mm	976x379x281	976x379x281	976x379x281	976x379x281	976x379x281	1096x395x308
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")
	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	ø20x1.5	ø20x1.5	ø20x1.5	ø20x1.5	ø20x1.5	ø20x1.5
Unit Dimension (WxHxD)	mm	970x300x224	1078x325x246	1078x325x246	1078x325x246	1350x326x258	1350x326x258	1350x326x258
Packing Dimension (WxHxD)	mm	1096x395x308	1203x425x338	1203x425x338	1203x425x338	1496x433x357	1496x433x357	1496x433x357
Weight (Net/Gross)	kg	12.5/15.5	16/19	16/19	16/19	18.5/23.5	18.5/23.5	18.5/23.5

Floor Ceiling Type Indoor Unit



Hoisted or Seated, Flexible Installation

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

Horizontal and vertical air swing

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

Protection function

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

Specifications

Model		Unit	FVI-E010E-A21N	FVI-E013E-A21N	FVI-E018E-A21N	FVI-E020E-A21N	FVI-E022E-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		40	40	50	50	75
Air Flow Volume (H/M/L)	CMH		650/580/500	650/580/500	950/850/700	950/850/700	1400/1150/1000
	CFM		380/341/294	380/341/294	560/500/410	560/500/410	825/677/590
Noise	dB(A)		36/34/32	36/34/32	42/38/33	42/38/33	44/42/39
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	ø17x1.75
Unit Dimension (WxHxD)	mm		1220x225x700	1220x225x700	1220x225x700	1220x225x700	1420x245x700
Packing Dimension (WxHxD)	mm		1343x315x823	1343x315x823	1343x315x823	1343x315x823	1548x345x828
Weight (Net/Gross)	kg		40/49	40/49	40/49	40/49	50/58

Model		Unit	FVI-E025E-A21N	FVI-E032E-A21N	FVI-E040E-A21N	FVI-E045E-A21N	FVI-E050E-A21N	FVI-E055E-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		75	140	160	160	160	200
Air Flow Volume (H/M/L)	CMH		1400/1150/1000	1600/1400/1200	2000/1800/1450	2000/1800/1450	2000/1800/1450	2300/2100/1900
	CFM		825/677/590	942/824/706	1175/1059/853	1175/1059/853	1175/1059/853	1354/1236/1118
Noise	dB(A)		44/42/39	50/46/43	51/46/42	52/48/45	52/49/45	52/49/45
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		1420x245x700	1420x245x700	1700x245x700	1700x245x700	1700x245x700	1700x245x700
Packing Dimension (WxHxD)	mm		1548x345x828	1548x345x828	1828x345x828	1828x345x828	1828x345x828	1828x345x828
Weight (Net/Gross)	kg		50/58	50/58	60/68	60/68	60/68	60/68

Console Type Indoor Unit



Multiple fan speed

The fan can operate at multiple speeds and satisfy different air flow volume requirements.

Detachable grilles and long service life for filter

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

Protection function

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

Intelligent drainage device

Drain pump lift reaches 1.2m, which can effectively drain out water.

Specifications

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	5.5
		Btu/hr	8,600	11,000	13,700	17,100	18,800
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")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
Drainage Pipe	External dia. x wall thickness	mm	ø28x1	ø28x1	ø28x1	ø28x1	ø28x1
Unit Dimension (WxHxD)		mm	700x600x215	700x600x215	700x600x215	700x600x215	700x600x215
Packing Dimension (WxHxD)		mm	788x777x283	788x777x283	788x777x283	788x777x283	788x777x283
Weight (Net/Gross)		kg	16/19	16/19	16/19	16/19	16/19

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.

Floor Standing Type Indoor Unit



Wide application

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

Auto clean to ensure a healthy life

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

Specifications

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")
	Gas Pipe	mm (in)	15.9 (5/8")
Drainage Pipe	External dia. x wall thickness	mm	ø31x4.5
Unit Dimension (WxHxD)	mm	1870x400x580	1870x400x580
Packing Dimension (WxHxD)	mm	2083x545x738	2083x545x738
Weight (Net/Gross)	kg	54/74	57/77

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.

Concealed FloorStanding Indoor Unit



Wide capacity range

Capacity range: 2.2~7.1kW.

Compact structure

Compact structure, ultra-thin unit body, only 200mm thickness in vertical installation.

Static pressure

Different gears of static pressure for adjustment, highest static pressure be up to 60Pa.

Flexible installation

Flexible installation, supporting feet design in different height, and can realize flexible switch of lower air return and side air return.

Specifications

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")	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")	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	700x615x200	700x615x200	700x615x200	900x615x200	1100x615x200	1100x615x200	1100x615x200
Packing Dimension (WxHxD)	mm	893x743x305	893x743x305	893x743x305	1123x743x305	1323x743x305	1323x743x305	1323x743x305
Weight (Net/Gross)	kg	23/30	23/30	23/30	27/36	32/41	32/41	32/41

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.

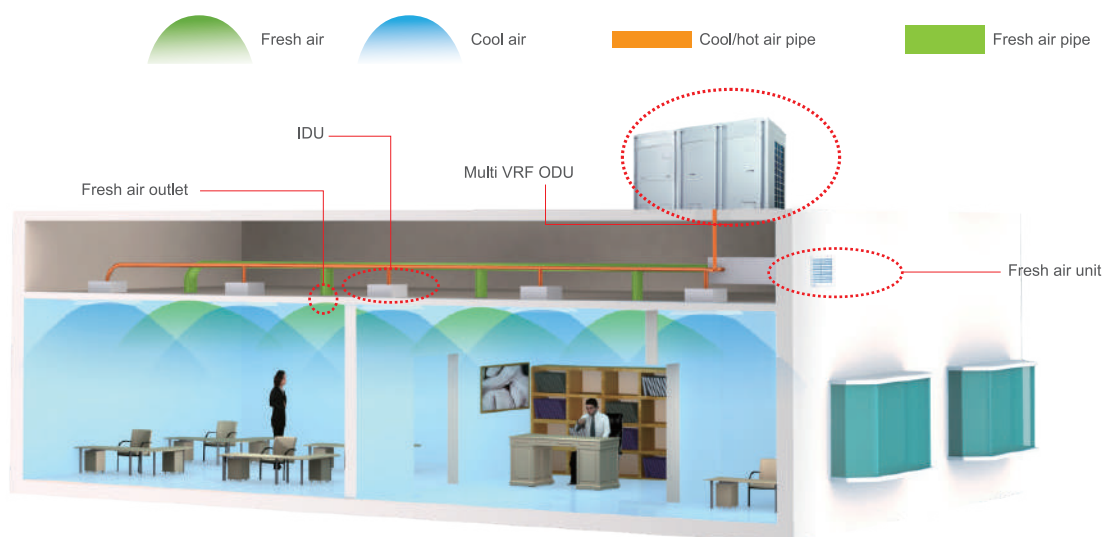
Fresh Air Processing Indoor Unit



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

One system, two functions

Adopted with DC inverter technology, fresh air DC inverter multi VRF system features air conditioning function and fresh air function.



Enjoy fresh air

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

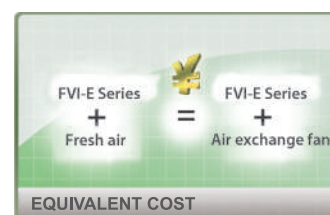


Fresh Air Processing Indoor Unit

Air conditioning and fresh air, two in one

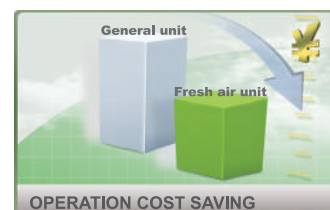
• Less investment

Fresh Air DC Inverter Multi VRF System can be combined with FVI-E series. For a same room, if the same amount of fresh air to be taken, then the cost of FVI-E series + Fresh Air unit is equivalent to the cost of FVI-E series+ Air Exchange Fan.



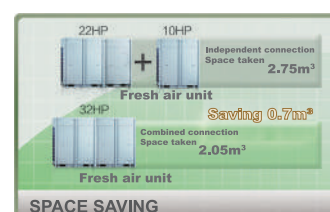
• Less operation

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



• Less installation space

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



Three kinds of connection methods:

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

Specifications

Model		Unit	FVA-D045E2-A21N	FVA-D050E2-A21N	FVA-D080E2-A21N	FVA-D085E2-A21N	FVA-E100E2-A21N	FVA-E160E2-E21N	
Cooling Capacity (T1)		kW	12.5	14.0	22.4	25.0	28.0	45.0	
		Btu/hr	42,600	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 & 203-230~1~60						380-415/3/50
Power Consumption		W	350	350	760	860	860	1,240	
Air Flow Volume		CMH	1,200/1,000~2,000	1,200/1,000~2,000	2,000/1,500~3,000	2,500/2,000~3,500	2,500/2,000~3,500	4,000	
		CFM	706/589~1,177	706/589~1,177	1,177/883~1,766	1,471/1,177~2,060	1,471/1,177~2,060	2,354	
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")	12.7 (1/2")	
	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 Thickness	mm	ø25x2.5	ø25x2.5	ø25x2.0	ø25x2.0	ø25x2.0	ø33x3.0	
Unit Dimension (WxHxD)		mm	1400x300x700	1400x300x700	1483x385x791	1483x385x791	1483x385x791	1700x650x1100	
Packing Dimension (WxHxD)		mm	1601x365x813	1601x365x813	1578x472x883	1578x472x883	1578x472x883	1893x838x1463	
Weight (Net/Gross)		kg	54/61	54/61	82/104	82/104	82/104	208/266	

Note:

- 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; Connection pipe length of 7.5m, no height difference between units.
 - T3: Cooling: indoor 29°C DB/19°C WB, outdoor 46°C;
- Defaulted ex-factory of cooling air outlet temperature is set to 18°C and the heating air outlet temperature is set to 22°C.
- 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.
- The sound pressure level will change with static pressure.
- The total capacity of connected fresh air indoor units cannot exceed 50%~100% of the capacity of outdoor units.
- All specifications are subjective to change by manufacturer without prior notice.

Wired Controller & Remote Controller

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

Wired controller XK46



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

Wired controller XK79 (For hotel)



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

Wired controller XK55



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

Wired controller XK86



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

Remote controller YAP1F

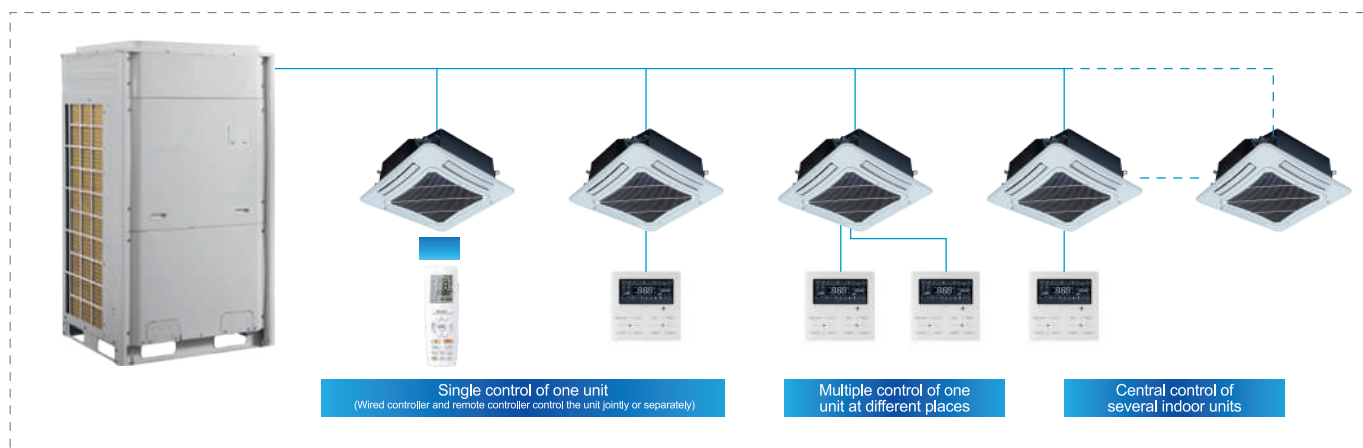


- Can be switched in auto, cooling, dehumidifying, fan and heating operation modes;
- Besides turbo, 6 levels of fan speed can be set;
- Available functions: child lock, drying, health, ventilation, turbo, sleep, light, absence, I-feel and timer;
- Clock display and indoor/outdoor ambient temperature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

Remote controller YV1L1

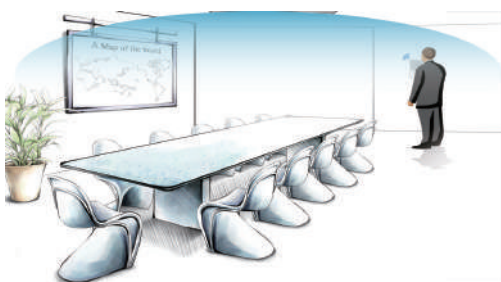


- Back lighting LCD;
- Can be switched in auto, cooling, dehumidifying, fan, heating, floor heating, 3D heating and space heating operation modes;
- 7 levels of fan speed, up & down swing and left & right swing;
- Available functions: child lock, energy saving, dring, health, ventilation, quiet/auto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



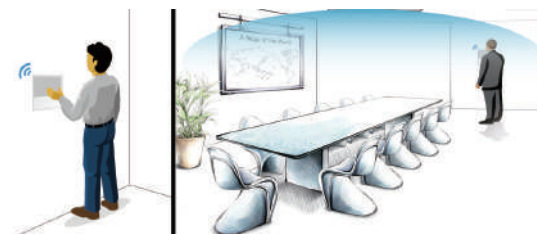
- **Single control of one unit**

Each indoor unit has an independent controller.



- **Multiple control of one unit**

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



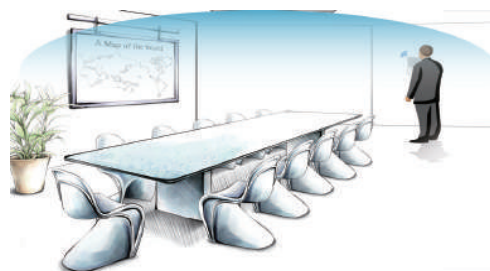
- **Central control of several indoor units**

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



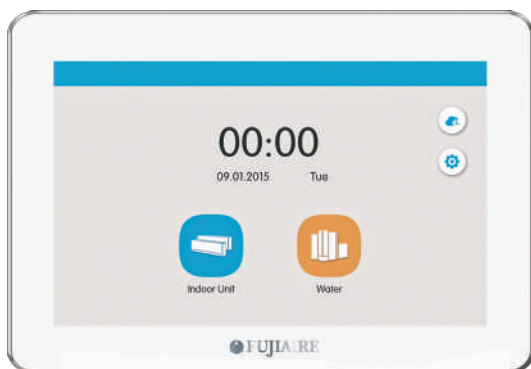
- **Joint control of remote controller and wired controller**

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



Smart Zone Controller & Central Controller

Smart zone controller CE53-24/F(C)



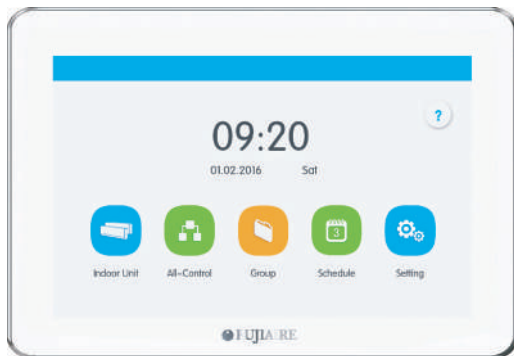
- High resolution color LCD;
- 7" capacitive touch screen for easy operation;
- Shielding function of single unit, group can all IDUs (shielding on/off, mode, temp. setting, etc.);
- With various functions: centralized control (control all indoor units), group management (support DIY grouping), schedule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

E-smart zone controller CE54-24/F(C)



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

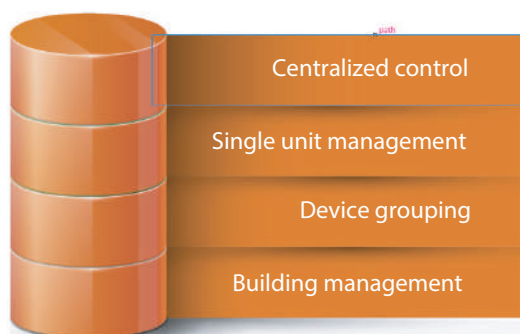
Smart zone controller CE52-24/F(C)



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

Intelligent Remote Control Management

With the design philosophy of to be intelligent, smart, inclusive and compatible, Fujiaire developed the Intelligent Remote Control System for VRF units, providing users with a distributed remote monitoring system for VRF units. By adopting the latest technologies and combining the features of engineering construction and debugging, this system is more compatible while less difficult to be installed and debugged. It can be widely used in industrial parks, shopping centers, office buildings, apartment blocks, villa clusters or other commercial or residential occasions, satisfying the demands of large-scale or cross-city networking.



Comprehensive and Visualized Control Proposal

5 Key Functions

Device monitoring

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

Remote control

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

Malfunction alarm

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

Property management

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

Schedule management

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



5 Key Features

Distributed design for balancing the load

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

Adopt WEB technology based on HTML5, control the system anywhere

The software adopts B/S structure. With system's core functions installed on the server side, the front end adopts HTML5 technology and the web browser is the client side. You can control the system on different platforms and terminals.

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

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

Fast, reliable and in real time

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

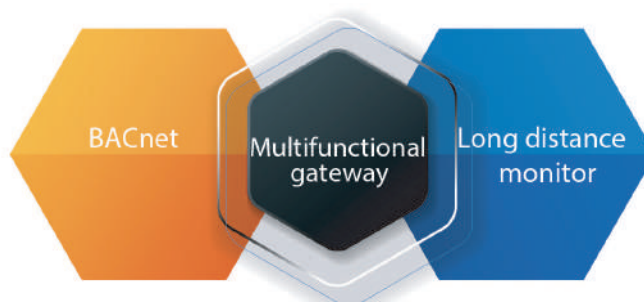
Intelligent Multi-Function Gateway



Functional Features

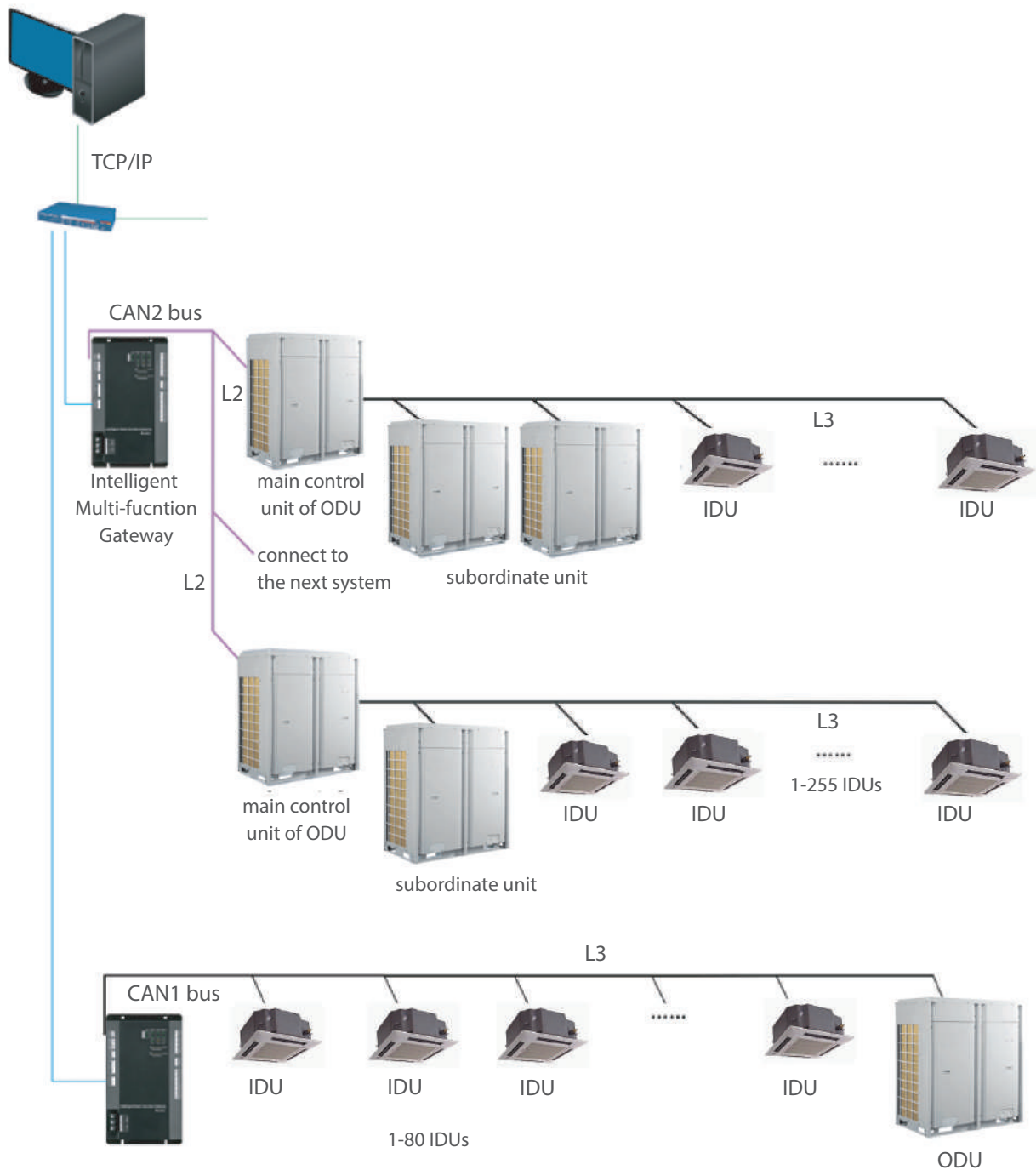
The multi-function gateway integrates remote monitoring gateway with BACnet/IP protocol function

1. Ethernet interface, support TCP/IP and UDP functional protocol, can conduct real-time interaction with the upper-level unit;
2. Support standard BACnet/IP protocol;
3. User can self-define and collocate the gateway parameters for embedded webpage.



Distributed structure

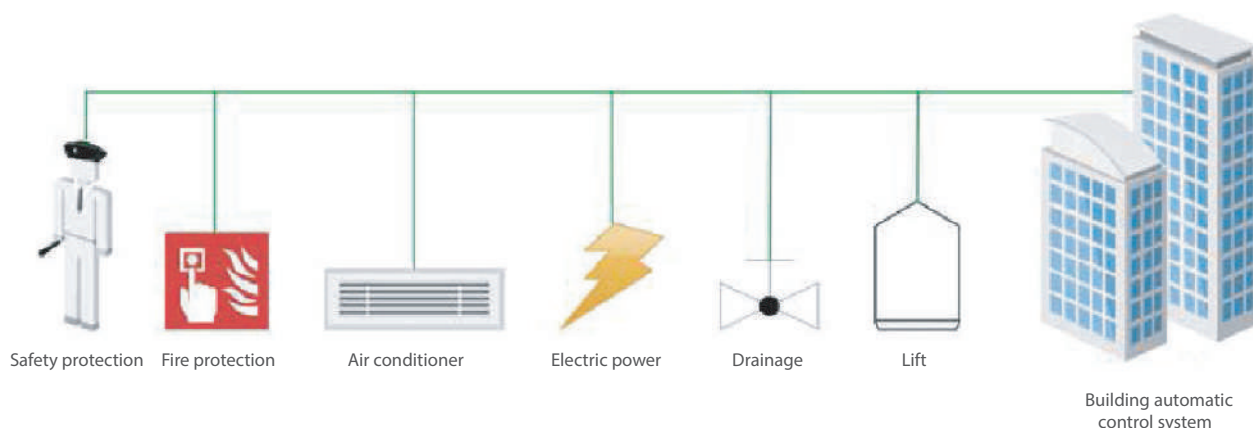
Intelligent Remote Control System



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

Building Protocol Gateway

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



BACnet Gateway



Dimension
296×177×56mm

Functional Features

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

Strong points

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

Modbus Gateway(Pro)



Dimension
296x177x56mm

Functional Features

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

Strong points

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

Modbus Gateway(Mini)



Dimension
90x55x20mm

Strong points

- **Compact size, easy installation**
Dimension of Modbus Gateway (Mini) is 90x55x20mm, which can be place anywhere
- **Provide standard Modbus RTU protocol interface, open the table of protocol point**
Modbus Gateway (Mini) provides standard Modbus RTU protocol interface, open the table of Modbus protocol point (unit parameter example No.), for the integration of the building of user;
- **With ETL and CE certification**
Modbus Gateway (Mini) has acquired the north America ETL and EU CE safety certification.

Functional Features

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

Control System Lineup

Product Series			Controlling System							
Cassette Type	(High ESP, Low ESP, Slim Ducted) Duct Type	Fresh Air Processing	Wall Mounted Type	Floor Ceiling Type	Console Type	Floor Standing Type	Concealed Floor Standing Type			
Wireless Controller	YAP1F		●	○	○	●	●	●	●	○
	YV1L1		○	○	○	○	○	○	○	○
Wired Controller	XK46		○	●	●	○	○	○	○	●
	XK79		○	○	○	○	○	○	○	○
	XK55		○	○	○	○	○	○	○	○
	XK86		○	○	○	○	○	○	○	○
	JS05 (Receiver)			○	○					○
Central Controller	CE52-24/F(C)		○	○	○	○	○	○	○	○
Smart Zone Controller	CE53-24/F(C)		○	○	○	○	○	○	○	○
E-Smart Zone Controller	CE54-24/F(C)		○	○	○	○	○	○	○	○

Controlling System				Outdoor Series	Modular Type (FVI-E/GE/CE)	Mini Series	Slim Series	Home Series (FVH-E)	Water Series (FVW-E)	Heat Recovery Series (FVR-E)
Long-distance Monitor	Intelligent Remote Management	FE30-24/DF(B)								
		ME30-24/DF(B)								
	Gateway of Building Protocol	ME30-24/E5(M)								
		ME30-24/E6(M)								
		ME30-24/D4(B)								
Other modules	Optoelectronic isolated converter	GD02								
	Optoelectronic isolated signal multiplier	RS485-W								

Note: ● means standard, ○ means optional.

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)



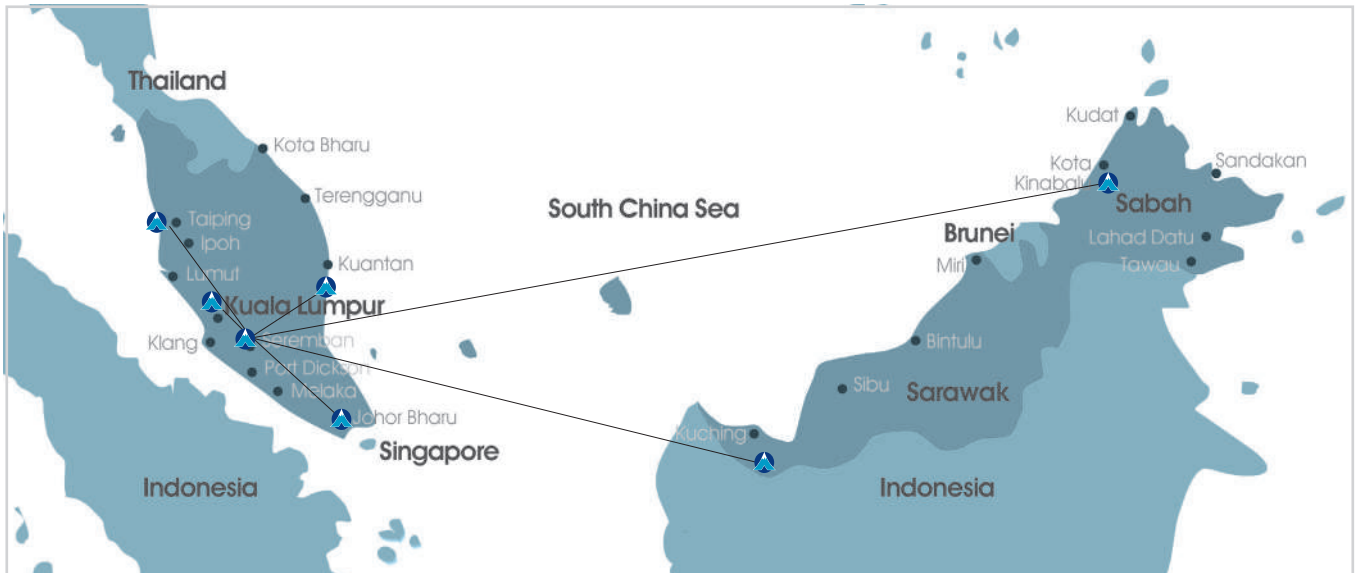
Winner of Brand Laureate Award 2008





FUJIAIRE MARKET PRESENCE

Domestic Market Presence



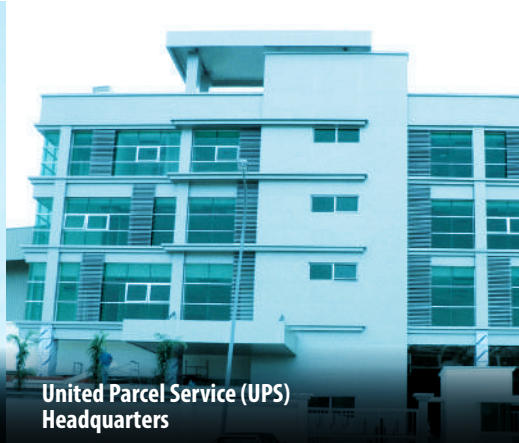
Global Market Presence



NOTABLE DOMESTIC PROJECTS



1 Sentrum KL Sentral



United Parcel Service (UPS)
Headquarters



Suasana Bangsar



University College Sedaya International



Hartamas Regency
Luxury Condominiums



Mercedes 3S Super Center

2013/11/13

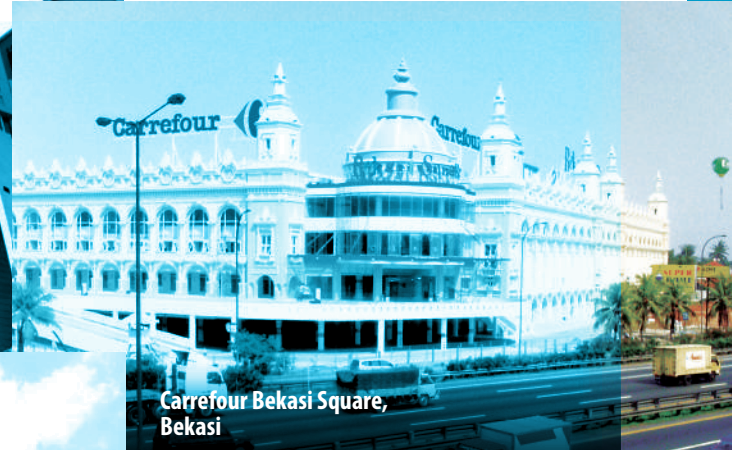


Sungei Wang Shopping Mall

NOTABLE INTERNATIONAL PROJECTS



Kemang Village Mall, Jakarta



Carrefour Bekasi Square, Bekasi



Mall of Indonesia



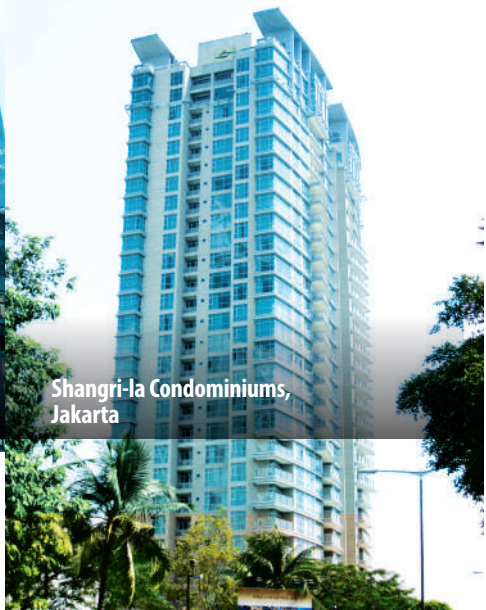
Novotel, Bandung



National Development Bank of Sri Lanka, Sri Lanka



Sogo Central Mall, Jakarta



Shangri-la Condominiums, Jakarta



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Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
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Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

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Ижевск (3412)26-03-58
Иркутск (395)279-98-46
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Калуга (4842)92-23-67
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Ставрополь (8652)20-65-13
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Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://fujiaire.nt-rt.ru> || feu@nt-rt.ru