

V-III 2 pipe vrf



The Fujitsu V-III brings new levels of power and flexibility to large air-conditioning applications. The DC inverter based system can combine up to three outdoor units, creating virtually any configuration up to a maximum connected capacity of 150kW with 64 indoor units. The V-III also uses high-efficiency refrigerant, which offers superior system performance and heat transfer.

- Smart and cutting edge design
- System for large offices and hotels
- High static pressure of 80Pa
- Connectable up to 64 indoor units
- Total pipe length 1,000m max.

Features

Excellent efficiency

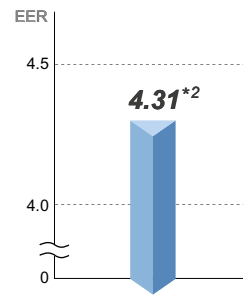
Industrial top class performance is realized including seasonal efficiency by adopting highly efficient DC twin Rotary Inverter compressor and DC fan motor.

* "EER / COP" is the coefficient of performance [= capacity (kW) ÷ input power (kW)].

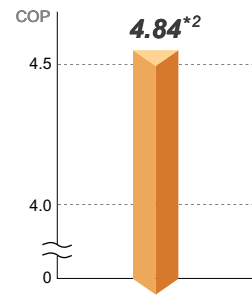
* EER / COP values are based on our own testing method.

*2. The data refers to an 8HP outdoor unit.

Cooling



Heating



Energy saving technology that boosted operation efficiency



Powerful large propeller fan

By using CFD*1 technology, A newly designed fan achieves high performance and low noise operation.

*1. CFD = Computational Fluid Dynamics



DC fan motor

Power consumption has been reduced by 25% compared to previous models by using a compact and high performance DC fan motor.



Subcool heat exchanger

High Heat Exchange efficiency is achieved by using an internal projection shape double pipe construction.



Sine-wave DC inverter control

High efficiency operation is realised by using a sine wave DC inverter control.



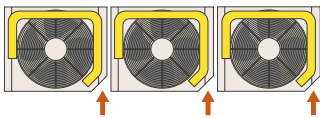
DC twin rotary compressor

Significantly greater efficiency is realised by use of a large capacity DC twin rotary compressor with substantially increased refrigerant intake and compression efficiency.



4-face heat exchanger

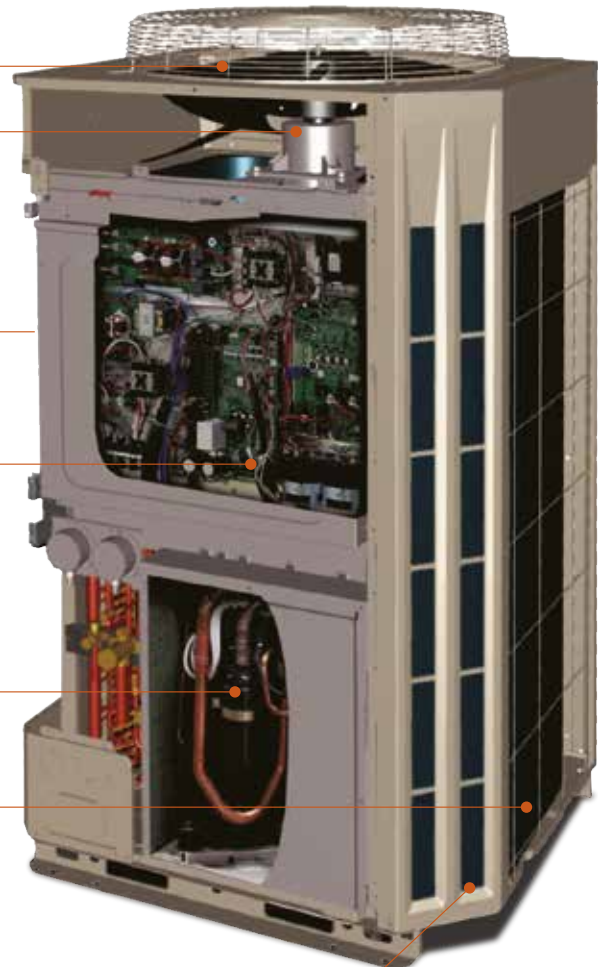
Heat exchange efficiency is significantly improved by the introduction of a new 4-face heat exchanger that increases effective surface area.



Front intake port

(corner cut air inlet design)

In multiple outdoor unit installations, the unique front intake design improves airflow into the Heat Exchanger.



Features

Design Flexibility

High capacity connection

8HP-48HP

AIRSTAGE™ V-II series
Heat Pump type



Connectable indoor unit
capacity range
50% to 150%*1

Connectable indoor
unit number
up to 64

*1. Conditions of maximum connectable indoor unit capacity ratio is as the chart below.

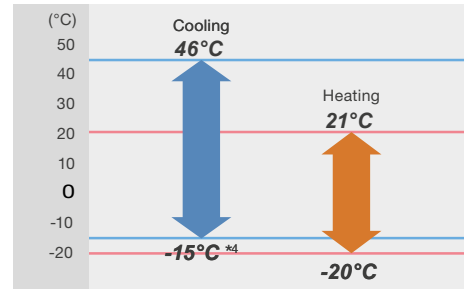
Outdoor unit capacity	Maximum connectable indoor capacity ratio	
	Without 1.1 kW models	With 1.1 kW models *2
8HP-48HP	150%	130%

*2. In the case of connectable indoor units, 1.1 kW models and Cassette and/or Duct type of 9.0 kW class or more, maximum connectable indoor unit capacity ratio is 110%.

Wide operating range

Installation in extreme temperature conditions is possible due to an increase in operational range.

Airstage™ V-III series Heat Pump type



Design for Easy Maintenance



Moveable PCB panel

Easier for maintenance work
behind the PCB



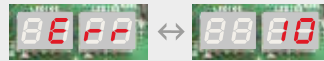
Easy to read 7-segment LED:

Confirm detailed operational and error status without using any specific equipment.



7-segment LED

- Operation mode status
- Discharge temperature / Pressure status
- Compressor operation indication
- Address / type / number of outdoor unit



Error and quantity
annunciation



Error code



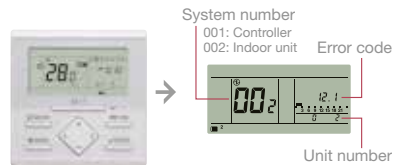
Abnormal indoor
unit address

- Error status can be checked easily by outdoor unit display

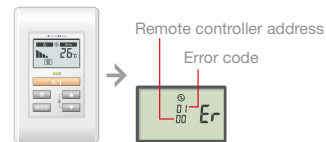
Error status can be checked easily via the indoor unit wired controller

An error code is displayed on a liquid crystal screen.

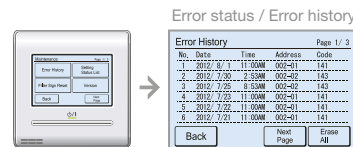
Wired Remote Controller



Simple Remote Controller



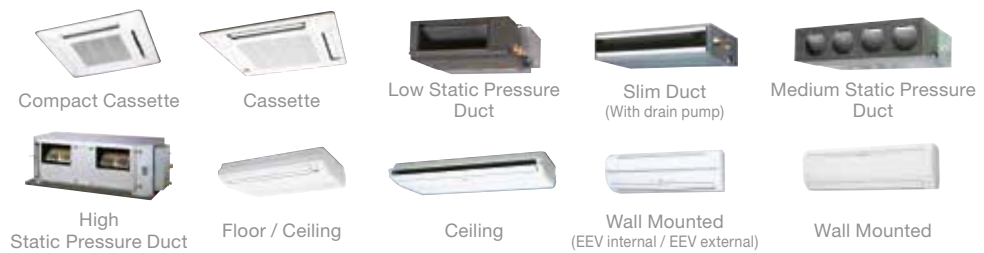
Wired Remote Controller (Touch panel)



Features

Comprehensive range of indoor units

The V-II 2 Pipe VRF system can serve up to 48 indoor units with 50-150% connectable indoor unit capacity, providing simultaneous heating or cooling in different rooms within the building. There are 12 different types of indoor unit available with over 55 models ranging from 1.1 to 25kW.



Smart and user friendly-controller

There is a full range of easy-to-use controllers available for all systems, from wireless remote controls to a PC-based control software. The installation can also be linked to a building management system.

The touch panel LCD wired controller has a large clear screen for ease of use and allows service engineers to interrogate indoor and outdoor units to diagnose the system.



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All prices shown exclude VAT.



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Fujitsu air conditioning products are available from FG Eurofred and local distributors.



Cooling & Heating capacities are based on the following conditions:

Cooling: Indoor Temp.: 27°C DB/19°C WB, Outdoor Temp.: 35°C DB/24°C WB

Heating: Indoor Temp.: 20°C DB, Outdoor Temp.: 7°C DB

Note: Fuse ratings shown are only for information. Any fuses or MCB's installed onsite should be sized in accordance with I.E.E. regulations.

For full installation details contact FG Eurofred or your local distributor.