

New Products Release !

VRF system

## AIRSTAGE™ J-III series

Heat pump

Single phase

AJY040LBLAH **4HP**

AJY045LBLAH **5HP**

AJY054LBLAH **6HP**

3-phase **NEW**

AJY040LELAH **4HP**

AJY045LELAH **5HP**

AJY054LELAH **6HP**



3-phase models added  
Single phase models enhanced

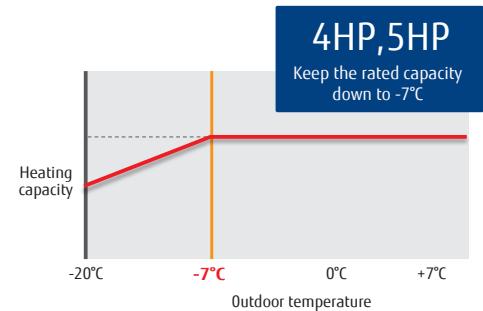
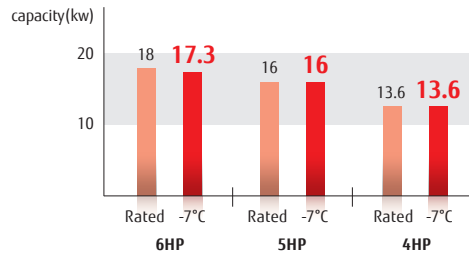
## New 3-phase model lineup with high energy saving for commercial use EUROVENT Certification attained!

### Feature

Feature

### Strong & Powerful heating

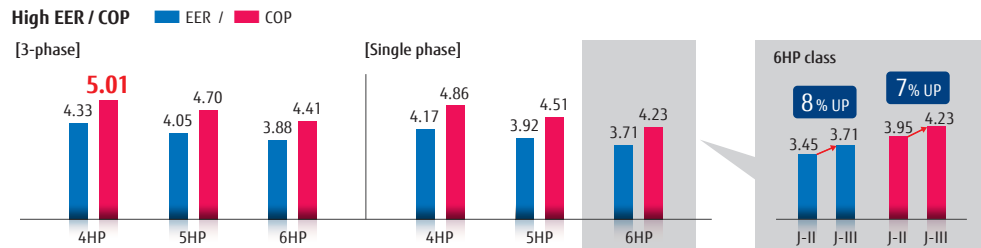
Outstanding heating capacity can be maintained at low outdoor temperature (-7°C). (Single phase and Three phase)  
Rated capacity is kept down to -9°C. (4HP)



Feature

### Efficiency in actual operation

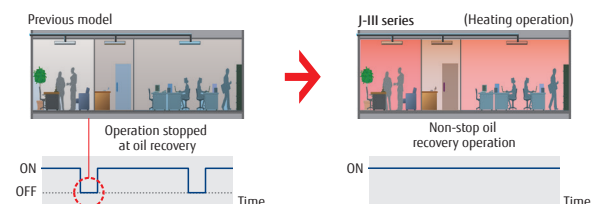
Top class high COP is achieved for all models by large heat exchanger, high efficient DC twin compressor, and our own technologies.



Feature

### Non-stop oil recovery operation

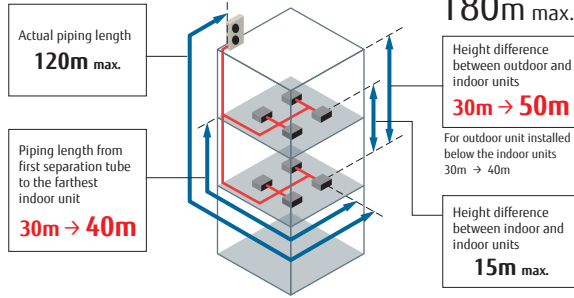
A comfortable room condition is maintained during oil recovery mode because the product continues to operate without stopping the cooling or heating operation.



## Flexible design

### 1) Long piping length

Easy installation & design by increased height difference between indoor units and outdoor units



### 2) Extension on the connectable indoor unit range

The connectable indoor unit capacity is extended up to 150%  
The number of connectable indoor units is increased.

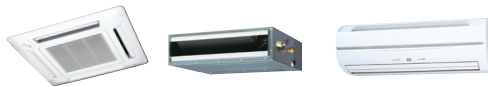
Connectable indoor unit capacity range  
50% to 150%

Connectable indoor unit number  
4HP : 1~ 9units  
5HP : 1~ 10units  
6HP : 1~ 13units



## Various indoor units and controllers

Connectable indoor units  
15 type 68 models  
capacity range 1.1kW to 14kW



Individual and centralized controllers  
same as ALL VRF series



## Dimensions

(Unit : mm)

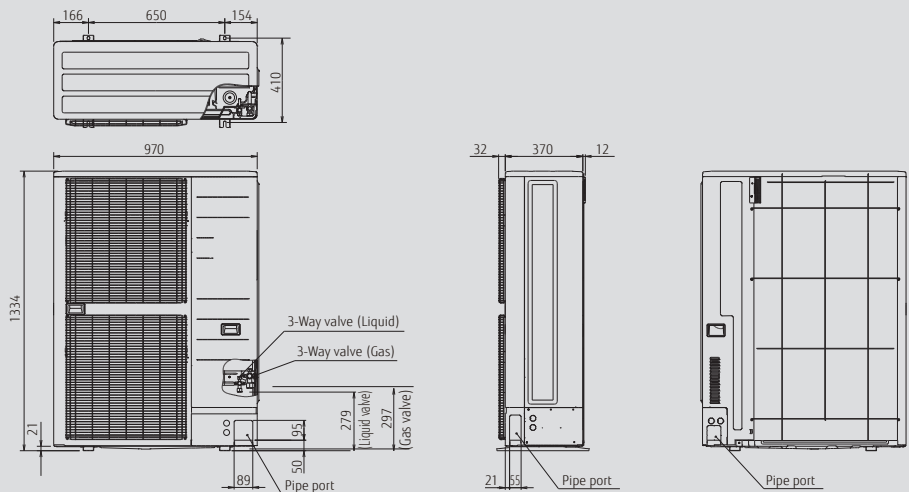
### Models :

#### Single phase

AJY040LBLAH / AJY045LBLAH / AJY054LBLAH

#### 3-phase

AJY040LELAH / AJY045LELAH / AJY054LELAH



## Specifications

(Tentative)

Rating Capacity range		HP	4	5	6	4	5	6
Model name			AJY040LBLAH	AJY045LBLAH	AJY054LBLAH	AJY040LELAH	AJY045LELAH	AJY054LELAH
Maximum connectable indoor unit			1-9	1-10	1-13	1-9	1-10	1-13
Power source		V/∅/Hz	Single-phase, ~230V, 50Hz			3-phase, ~400V, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.5	12.1	14.0	15.5
	Heating	kW	13.6	16.0	18.0	13.6	16.0	18.0
Input power	Cooling	kW	2.90	3.57	4.18	2.79	3.46	3.99
	Heating	kW	2.80	3.55	4.26	2.71	3.40	4.08
EER	Cooling	W/W	4.17	3.92	3.71	4.33	4.05	3.88
COP	Heating	W/W	4.86	4.51	4.23	5.01	4.70	4.41
Airflow rate		m <sup>3</sup> /h	6,200	6,400	6,900	6,200	6,400	6,900
Sound power level		dB(A)	66	67	69	66	67	69
Heatexchanger fin type			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Dimensions (H×W×D)		mm	1,334 × 970 × 370			1,334 × 970 × 370		
Weight		kg	117	117	119	119	119	119
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg	4.8	5.3	5.3	4.8	5.3	5.3
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52	9.52	9.52	9.52
	Gas	mm	15.88	15.88	19.05	15.88	15.88	19.05
Total pipe length		m	180	180	180	180	180	180
Max. height difference			50/40 (Outdoor unit: Upper / Lower)			50/40 (Outdoor unit: Upper / Lower)		
Operation range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating	°C	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Note : Specifications are based on the following conditions.

Cooling: Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

Heating: Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

Pipe length: 7.5 m ; Height difference between outdoor unit and indoor unit: 0 m .

The protective function may work when using it outside the operation range.

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\*Specifications and design are subject to change without notice for further improvement.

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