

## Heat Pump for Small Capacity Type



### Long Piping Length

Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 180 m. This opens up new possibilities in system design.



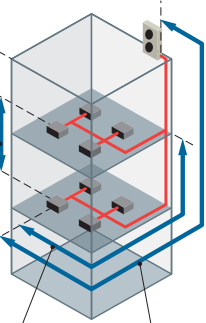
Total pipe length  
**Max. 180 m**

Height difference between outdoor and indoor units  
**50 m max.**  
For the outdoor unit installed below the indoor units: 40 m max.

Height difference between indoor and indoor units  
**15 m max.**

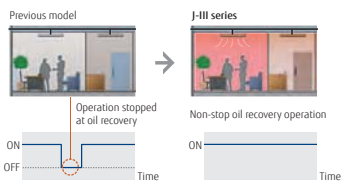
Piping length from first separation tube to the furthest indoor unit  
**40 m max.**

Actual piping length  
**120 m max.**



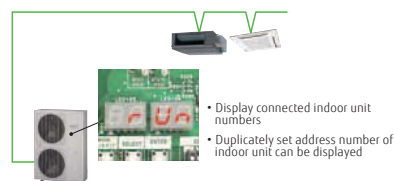
### Non-stop oil recovery operation

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



### Easier Installation

**Connection check function** : Possible to confirm whether wiring connection and address setting are correct by a quick check run function.



4,5,6HP : AJY040LBLAH / AJY045LBLAH / AJY054LBLAH  
AJY040LELAH [3phase] / AJY045LELAH [3phase] / AJY054LELAH [3phase]



### Specifications

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		Single-phase, ~230V, 50Hz			3-phase, ~400V, 50Hz		
Capacity	Cooling	12.1	14.0	15.5	12.1	14.0	15.5
	Heating	13.6	16.0	18.0	13.6	16.0	18.0
Input power	Cooling	2.90	3.57	4.18	2.79	3.46	3.99
	Heating	2.80	3.55	4.26	2.71	3.40	4.08
EER	Cooling	4.17	3.92	3.71	4.33	4.05	3.88
	Heating	4.86	4.51	4.23	5.01	4.70	4.41
Airflow rate		6,200	6,400	6,900	6,200	6,400	6,900
Sound pressure level / Power level	Cooling	50 / 66	51 / 67	53 / 69	50 / 66	51 / 67	53 / 69
	Heating	52 / 68	53 / 69	55 / 71	52 / 68	53 / 69	55 / 71
Heat exchanger fin		Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	1,334	1,334	1,334	1,334	1,334	1,334
	Width	970	970	970	970	970	970
	Depth	370	370	370	370	370	370
Weight		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	4.8 (10.0)	5.3 (11.1)	5.3 (11.1)	4.8 (10.0)	5.3 (11.1)	5.3 (11.1)
	Liquid	9.52	9.52	9.52	9.52	9.52	9.52
Connection pipe diameter	Liquid	15.88	15.88	19.05	15.88	15.88	19.05
	Gas	180	180	180	180	180	180
Total pipe length		180	180	180	180	180	180
Max. height difference		50/40 (Outdoor unit: Upper/Lower)					
Operation range	Cooling	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating	-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.

### Dimensions

(Unit : mm)

