

Heat Pump for Small Capacity Type

AIRSTAGE™ J-III



Long Piping Length

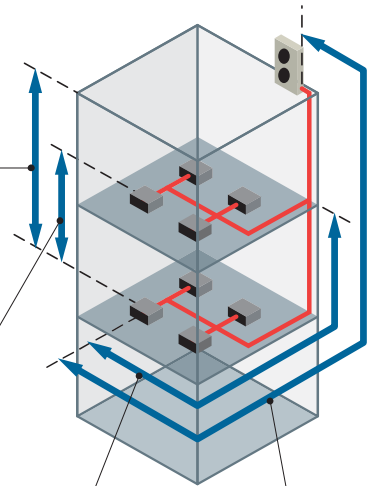
Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 180 m. This opens up new possibilities in system design.



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.



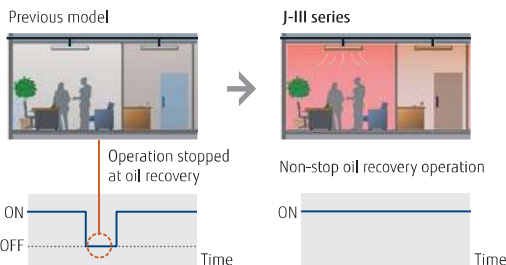
Height difference
between indoor and
indoor units
15 m max.

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

Actual piping length
120 m max.

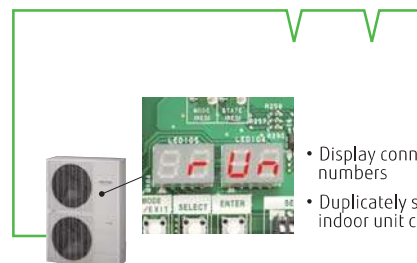
Non-stop oil recovery operation

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.



- Display connected indoor unit numbers
- Duplicately set address number of indoor unit can be displayed

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



Specifications

Rating Capacity range		HP	4	5	6
Model name			AJY040LBLAH	AJY045LBLAH	AJY054LBLAH
Maximum Connectable Indoor Unit			1-9	1-10	1-13
Power source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.5
	Heating		13.6	16.0	18.0
Input power	Cooling	kW	2.90	3.57	4.18
	Heating		2.80	3.55	4.26
EER/SEER (LOT21)	Cooling	W/W	4.17 / 5.99	3.92 / 5.85	3.71 / 5.78
COP/SCOP (LOT21)	Heating	W/W	4.86 / 3.92	4.51 / 3.85	4.23 / 3.78
Airflow rate		m ³ /h	6,200	6,400	6,900
Sound pressure level / Power level	Cooling	dB(A)	50 / 66	51 / 67	53 / 69
	Heating		52 / 68	53 / 69	55 / 71
Minimum Recommended MCB		AMP	32	32	32
Net Dimensions	Height	mm	1,334	1,334	1,334
	Width		970	970	970
	Depth		370	370	370
Weight		kg	117	117	119
Refrigerant	Type		R410A	R410A	R410A
	Charge	kg	4.8	5.3	5.3
Connection pipe diameter	Liquid	Inch	3/8	3/8	3/8
	Gas		5/8	5/8	3/4
Total pipe length		m	180	180	180
Max. height difference			50/40 (Outdoor unit: Upper/Lower)		
Operation range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21

		4	5	6
Model name		AJY040LELAH	AJY045LELAH	AJY054LELAH
Maximum Connectable Indoor Unit		1-9	1-10	1-13
Power source		3-phase, ~400V, 50Hz		
Capacity	Cooling	12.1	14.0	15.5
	Heating	13.6	16.0	18.0
Input power	Cooling	2.79	3.46	3.99
	Heating	2.71	3.40	4.08
EER/SEER (LOT21)	Cooling	4.33 / 6.15	4.05 / 5.98	3.88 / 5.97
COP/SCOP (LOT21)	Heating	5.01 / 4.10	4.70 / 4.04	4.41 / 4.00
Airflow rate		6,200	6,400	6,900
Sound pressure level / Power level	Cooling	50 / 66	51 / 67	53 / 69
	Heating	52 / 68	53 / 69	55 / 71
Minimum Recommended MCB		16	16	16
Net Dimensions	Height	1,334	1,334	1,334
	Width	970	970	970
	Depth	370	370	370
Weight		119	119	119
Refrigerant	Type	R410A	R410A	R410A
	Charge	4.8	5.3	5.3
Connection pipe diameter	Liquid	3/8	3/8	3/8
	Gas	5/8	5/8	3/4
Total pipe length		180	180	180
Max. height difference		50/40 (Outdoor unit: Upper/Lower)		
Operation range	Cooling	-5 to 46	-5 to 46	-5 to 46
	Heating	-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)

