

NEW

Heat Pump for Small Capacity Type

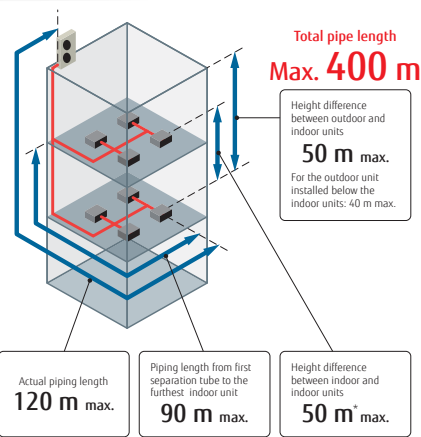


Long Piping Length

Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 400 m. This opens up new possibilities in system design.

Up to 40 units* can be connected

The combination of the smallest but adequate capacity indoor unit and a new outdoor unit with the optimum heat exchanger structure has realized the industry's top class connection of 40 units. *: 16HP model



*: Only when new indoor units and J-III series are combined

High Static Pressure

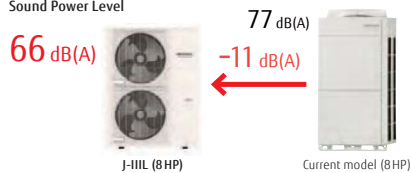
External static pressure is available up to 60Pa for 14/16HP. (20Pa for 8HP, 30Pa for 10/12HP)



Top Class Low Operating Sound

Top class low operating sound is realized. Highly suited to densely populated areas thanks to their low operating sound.

Sound Power Level



8,10,12HP: AJY072LELAH / AJY090LELAH / AJY108LELAH
14,16HP: AJY126LELAH / AJY144LELAH



NEW

Specifications

Rating Capacity range		HP	8	10	12	14	16
Model name			AJY072LELAH	AJY090LELAH	AJY108LELAH	AJY126LELAH	AJY144LELAH
Maximum Connectable Indoor Unit			1-20	1-25	1-30	1-36	1-40
Power source			3 phase -400V, 50Hz				
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0
	Nominal Heating	kW	22.4	28.0	33.5	40.0	45.0
	Max Heating	kW	25.0	31.5	37.5	45.0	50.0
Input power	Cooling	kW	6.30	8.59	10.42	12.12	14.96
	Nominal Heating	kW	4.65	6.61	8.18	9.71	11.81
	Max Heating	kW	5.45	8.29	10.25	11.80	14.29
EER	Cooling		3.56	3.26	3.22	3.30	3.01
	Nominal Heating	W/W	4.82	4.24	4.10	4.12	3.81
COP	Cooling		4.56	3.80	3.66	3.81	3.50
	Max Heating						
Airflow rate		m ³ /h	8,400	9,000	11,000	13,000	14,000
Sound pressure level / Power level	Cooling	dB(A)	52/66	54/69	59/73	62/75	64/77
	Heating	dB(A)	54/-	57/-	61/-	63/-	65/-
Net Dimensions	Height	mm	1,428	1,428	1,428	1,638	1,638
	Width	mm	1,080	1,080	1,080	1,080	1,080
	Depth	mm	480	480	480	480	480
	Weight	kg	170	177	178	213	213
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-1)	7.0 (14.6)	7.5 (15.7)	7.5 (15.7)	11.0 (22.9)	11.0 (22.9)
Connection pipe diameter	Liquid	mm	9.52	9.52	12.70	12.70	12.70
	Gas	mm	19.05	22.20	28.58	28.58	28.58
Total pipe length		m	400	400	400	400	400
Max. height difference		m	50/40 (Outdoor unit: Upper/Lower)				
Operation range	Cooling	°C	-15 to 46	-15 to 46	-15 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

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 cooling operation range of -15 to 46°C is allowed only when all of the indoor units connected to the system are higher than capacity of 5.6kW.

Dimensions

(Unit : mm)

