

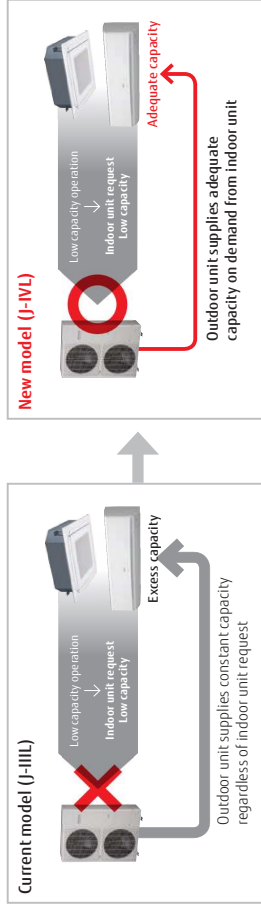
Heat Pump for Small Capacity Type

AIRSTAGE™ J-IVL

AIRSTAGE J-IVL

New intelligent refrigerant control

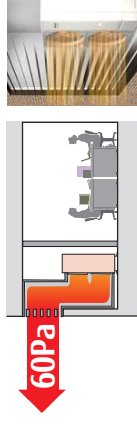
Fujitsu General proposes New outdoor unit which includes New refrigerant control. New refrigerant control can be operated with suitable control corresponding to heat load of the room and can offer a more comfortable space. New refrigerant control can also provide more energy savings.



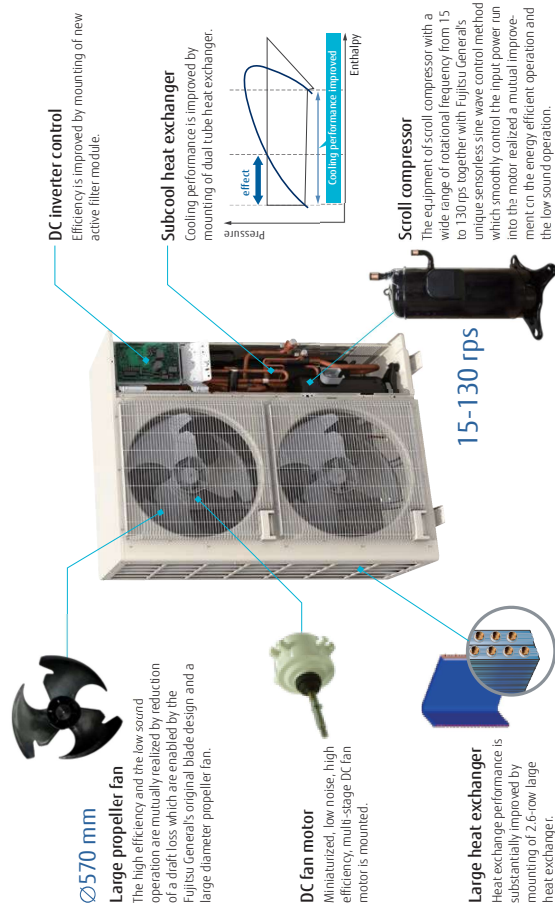
High Static Pressure

External static pressure is available up to 60Pa for 14/16/18HP, (30Pa for 8/10HP, 40Pa for 12HP)

* Capacities are slightly decreased for rated values during high static pressure operation.

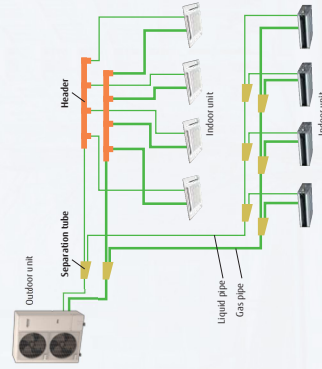


Advanced high efficiency technology

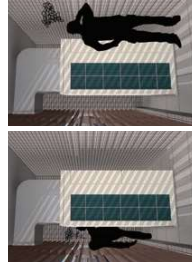


System configuration example

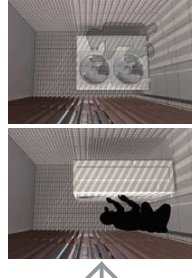
- This system is used for small and medium-sized buildings. 1 refrigerant system is used for each outdoor unit.
- Connection of multiple indoor units using separation tubes and headers.



Various Installation



AIRSTAGE™ V Series outdoor unit



AIRSTAGE™ J Series outdoor unit

In house installation

Low noise in consideration for the nearby residents

This model is front air discharge type and about 1000 mm wide, so flexible installation is possible even at narrow in house space.



AIRSTAGE™ V Series outdoor unit



AIRSTAGE™ J Series outdoor unit

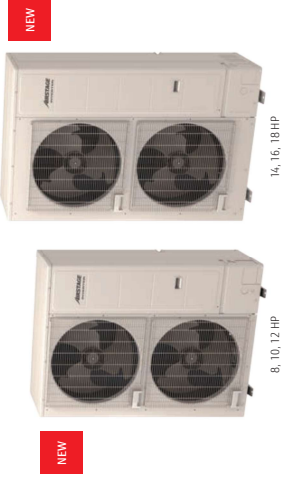
Narrow space behind building Space saving

Due to compact and thin model, direct ground installation or wall mounted installation is possible even at narrow off-street.

Slim & Compact Design

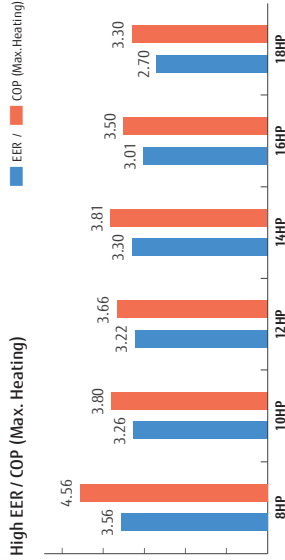


8,10,12 HP: AJY072LELBH / AJY090LELBH / AJY108LELBH
14,16,18 HP: AJY126LELBH / AJY144LELBH / AJY162LELBH



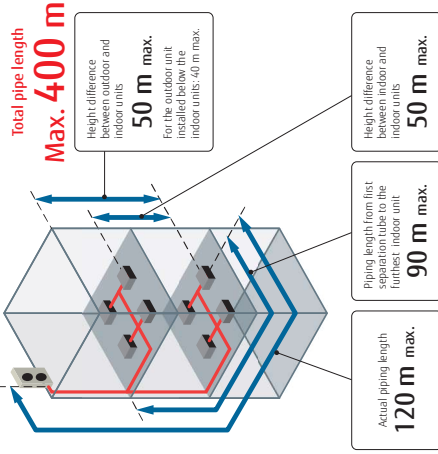
Efficiency in actual operation

Top class high EER/COP(Max. Heating) is achieved for all models by large heat exchanger, high efficient Scroll compressor, and our own technologies.



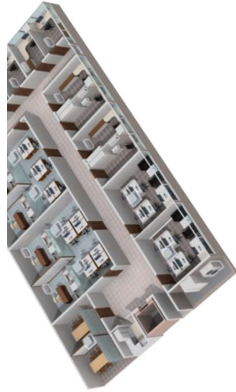
Long piping length

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.



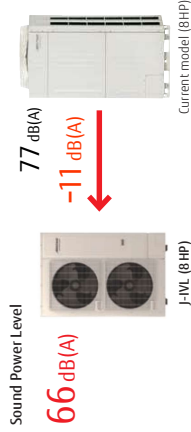
Up to 42 indoor units* can be connected

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 42 units. *: 18 HP model



Top Class Low Operating Sound

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



Specifications

Rating Capacity range	HP	8	10	12	14	16	1
Model Name		AJY072LELBH	AJY090LELBH	AJY108LELBH	AJY126LELBH	AJY144LELBH	AJY162LELBH
Maximum Connectable Indoor Unit		1-20	1-25	1-30	1-36	1-40	1-42
Power source		3 phase, ~400V, 50Hz					
Capacity	Cooling	22.4	28.0	33.5	40.0	45.0	50.0
	Nominal Heating	22.4	28.0	33.5	40.0	45.0	50.0
	Max. Heating	25.0	31.5	37.5	45.0	50.0	55.0
Input power	Cooling	6.30	8.59	10.42	12.12	14.96	18.52
	Nominal Heating	4.65	6.61	8.18	9.71	11.81	13.66
	Max. Heating	5.45	8.29	10.25	11.80	14.29	16.66
EER	Cooling	3.56	3.26	3.22	3.30	3.01	2.70
	Nominal Heating	4.82	4.24	4.10	4.12	3.81	3.66
	Max. Heating	4.56	3.80	3.66	3.81	3.50	3.30
Airflow rate		8,400	9,000	11,000	12,100	13,000	14,800
Sound pressure level /	Cooling	52.66	54.69	59.73	62.75	64.77	65.79
Power level	Heating	54/-	57/-	62/-	63/-	66/-	68/-
	Height	1,428	1,428	1,428	1,638	1,638	1,638
Net Dimensions	Width	1,080	1,080	1,080	1,080	1,080	1,080
	Depth	480	480	480	480	480	480
Weight		170	177	178	213	213	217
Refrigerant	Type (Global Warming Potential)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	7.0 (14.6)	7.5 (15.7)	7.5 (15.7)	11.0 (22.9)	11.0 (22.9)	11.8 (24.0)
Connection pipe	Liquid	9.52	9.52	12.70	12.70	12.70	12.70
	Gas	19.05	22.20	28.58	28.58	28.58	28.58
Total pipe length		400	400	400	400	400	400
Max. height difference		50/40 (Outdoor unit: Upper/Lower)	50/40 (Outdoor unit: Upper/Lower)	50/40 (Outdoor unit: Upper/Lower)	50/40 (Outdoor unit: Upper/Lower)	50/40 (Outdoor unit: Upper/Lower)	50/40 (Outdoor unit: Upper/Lower)
Operation range	Cooling	-15 to 46	-15 to 46	-15 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.

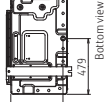
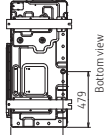
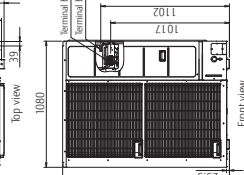
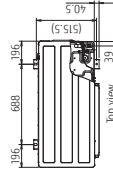
Heating: Indoor temperature of 20°CDB / 15°CWB, and outdoor temperature of 7°CDB / 6°CWB.

* 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 5.0kW.

Dimensions

(Unit: mm)

8, 10, 12 HP



14, 16, 18 HP

