



Compact VRF System for use in apartments, homes, shops, offices and a broad range of other applications



Heat pump  
AJYA54LCLR

## Economy & Comfort

### Powerful operation with low electricity consumption

Excellent EER/COP are attainable as shown in the table below.

Cooling EER	Heating COP
3.20*	3.40*

\*EER/COP\* is the coefficient of performance (=capacity (kW) ÷ input power (kW)).  
\*EER/COP values are based on our own testing method.

Uses a high-performance DC inverter scroll compressor with variable capacity according to the load during cooling and heating.



### Low noise design

Newly designed larger fan and double casing bell mouth construction reduce noise emissions.

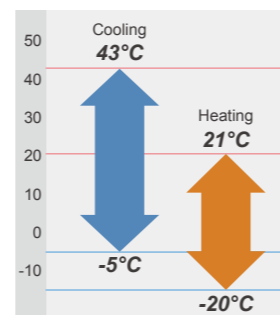
**Large fan**  
Low speed design suppresses noise by using a larger fan.



**Double casing bell mouth**  
Double casing bell mouth helps to reduce noise.

### Wide operating range

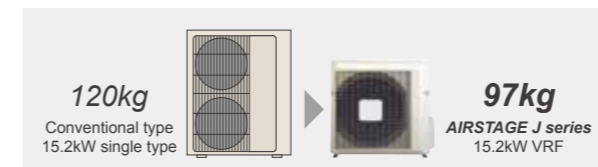
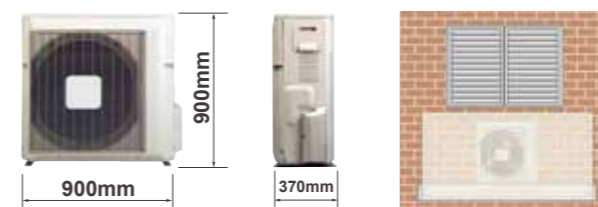
Outdoor unit operates over an ambient temperature range of -5°C to 43°C for cooling and -20°C to 21°C for heating.



## Design Versatility

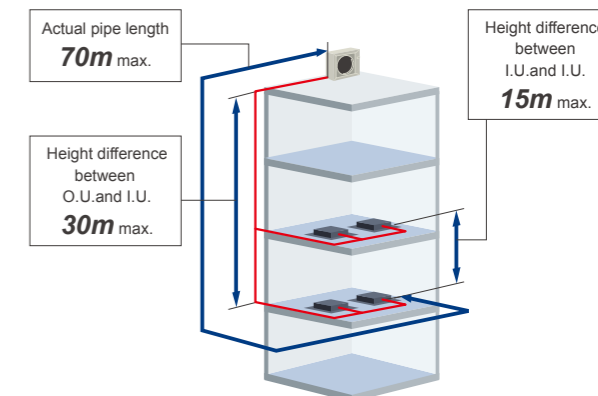
### Compact design

Small, compact casing can be easily concealed. The low overall height allows the unit to be neatly positioned beneath a window.



### Long piping length

The maximum piping length is 70m, and can cope with a wide range of applications from homes to offices.



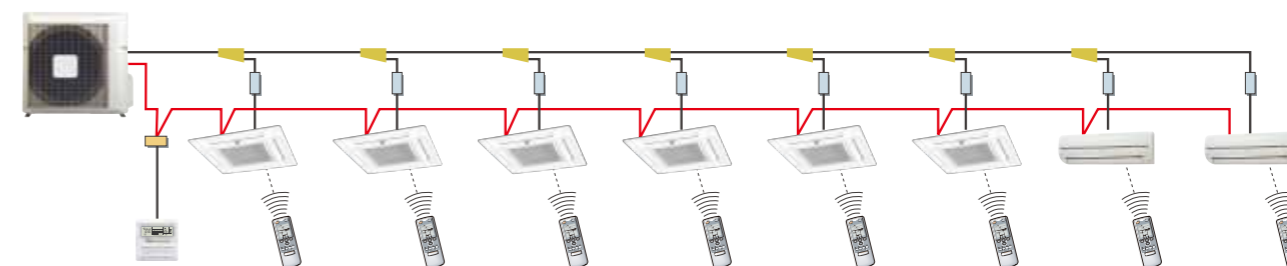
### High capacity connection

•Up to 8 indoor units can be connected to 1 outdoor unit. Furthermore, the indoor unit connection capacity can be up to 150% of the outdoor unit rating. This increases design flexibility.

•All indoor units are supplied with a Wireless Remote Controller.

Max. 8 indoor units connectable

Indoor unit connectable capacity 150%



### System that allows individual air conditioning of multiple rooms

**Homes**

**Shops**

**Offices**

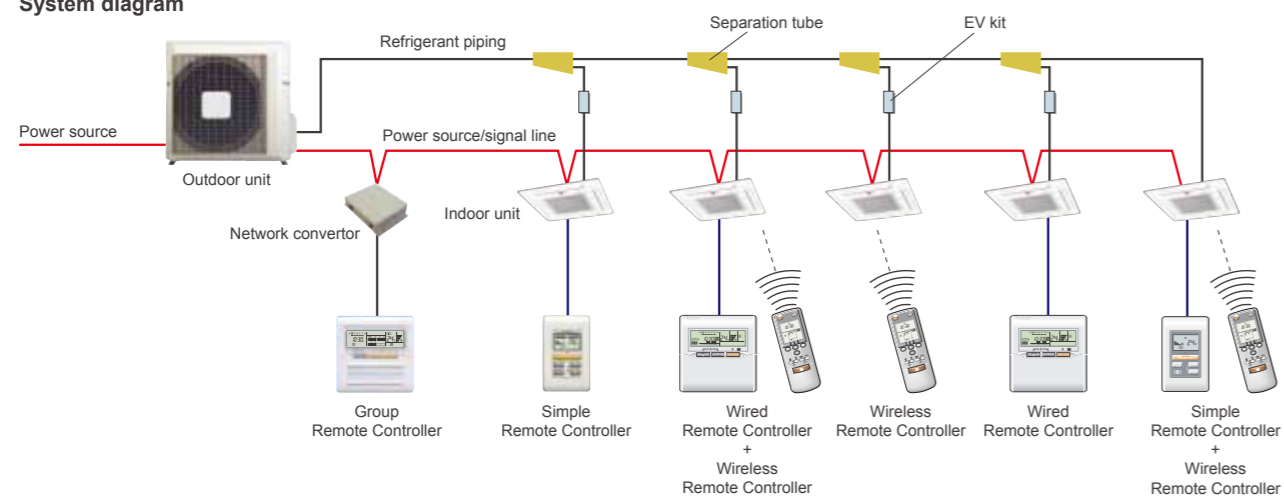


## Easy Installation

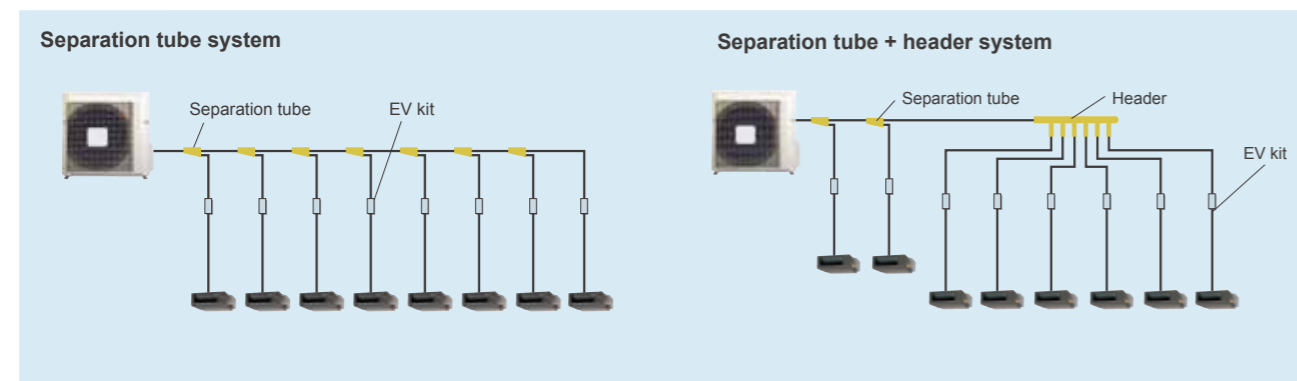
### Simple piping system

The wiring work is simple in the connection wiring system one by one. The dedicated communication line is unnecessary. The electrical work is simple because of single-phase power supply.

#### System diagram

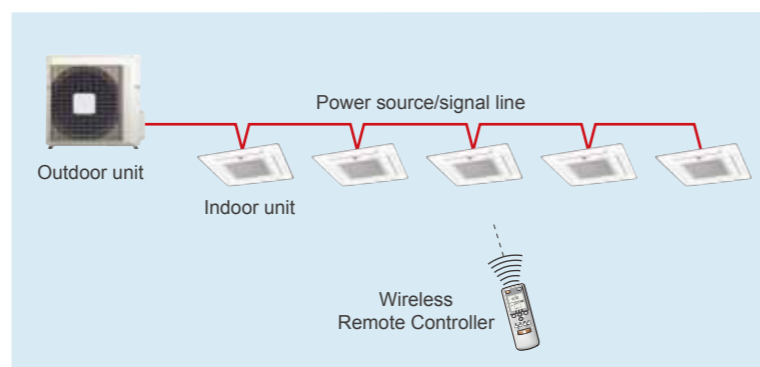


### Piping connection examples



### Easy system address setting

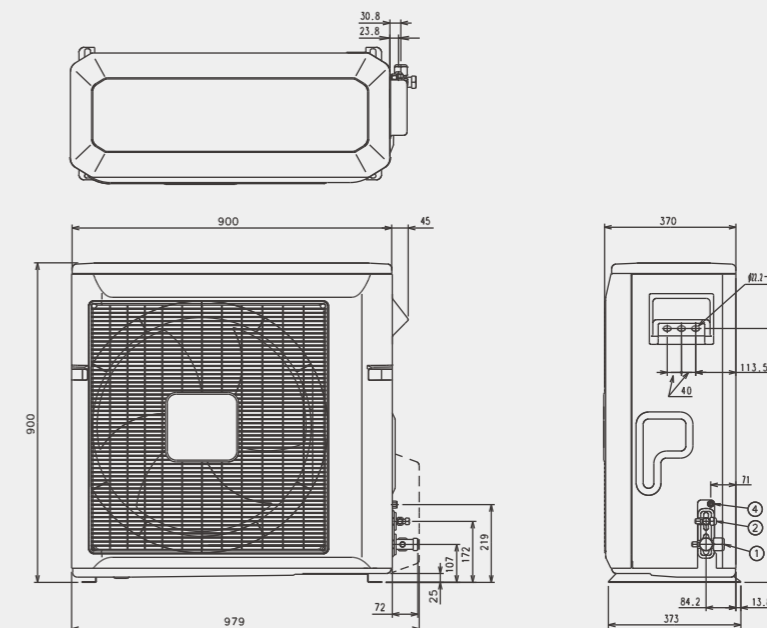
During installation work, system addressing can be performed using the wireless remote controller, thus eliminating manual switch setting.



## Outdoor units specifications

### Dimensions Model: AJYA54LCLR

(Unit : mm)



### Specifications





























Rating Capacity range	HP	6
Model name	AJYA54LCLR	
Maximum Connectable Indoor Unit	8	
Indoor unit connectable capacity	Cooling	kW
		7.6 to 22.8
Power source	Single-phase, 220-240V, 50Hz	
Capacity	Cooling	kW
	Heating	15.2
Input power	Cooling	kW
	Heating	16.6
EER	Cooling	W/W
	Heating	4.75
COP	Cooling	3.2
	Heating	3.4
Air flow rate	High	m³/h
		5,250
Sound pressure level	Normal operation mode	dB (A)
	Silent operation mode	56
Compressor motor output	kW	
		51
Heat exchanger fin	Plate fin coil	
Dimensions	Height	mm
	Width	900
	Depth	mm
		370
Weight	kg	
		97
Refrigerant charge	kg	
		3.0
Connection pipe diameter	Liquid	mm
	Gas	mm
		ø9.52
Operation range	Cooling	°C
	Heating	-5 to 43
		-20 to 21

Note: Specifications are based on the following conditions.  
 Cooling: Indoor temperature 27°CDB/19°CWB, and outdoor temperature 35°CDB/(24°CWB).  
 Heating: Indoor temperature 20°CDB/(15°CWB), and outdoor temperature 7°CDB/6°CWB.  
 Voltage: 230 [V]



### Indoor units lineup

6 Types, 28 Models, Capacity range from 2.15kW to 14.1kW

Capacity range (kW)	2.15	2.80	3.60	4.00	5.30	5.70		6.00	6.90	7.05	8.80	10.5	12.7	14.1
Model code	7	9	12	14	18	20		22	24	25	30	36	45	54
<b>Compact Cassette</b>	 AU7UFAAR	 AU9UFAAR	 AU12UFAAR	 AU14UFAAR	 AU18UFAAR									
<b>Slim Type Cassette</b>						 AU20UFARR				 AU25UFARR	 AU30UFARR	 AU36UFASR	 AU45UFASR	 AU54UFASR
<b>Compact Duct</b>	 ARXA07LALR	 ARXA09LALR	 ARXA12LALR	 ARXA14LALR	 ARXA18LALR			 ARXA22LALR						
<b>Duct</b>										 AR25UFAAR ARXB25LATR	 AR30UFAAR ARXB30LATR	 AR36UFAAR	 AR45UFAAR	
<b>Compact Wall Mounted</b>	 AS7UFADR	 AS9UFADR	 AS12UFADR	 AS14UFADR										
<b>Wall Mounted</b>					 AS18UFAJR				 AS24UFAJR		 AS30UFAJR			