

# Outdoor Air Unit

Models

**AAUA48TLAV** NEW

**AAUA72TLAV** NEW

**AAUA96TLAV** NEW

The outdoor air unit efficiently processes the outdoor air for cooling and heating and supplies 100% fresh air into a room.



AAUA48TLAV



AAUA72TLAV

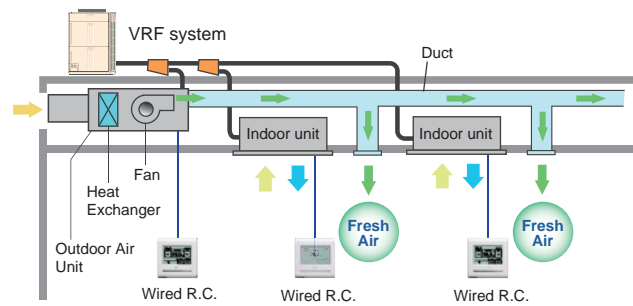
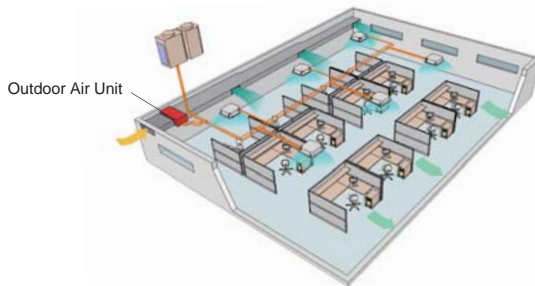


AAUA96TLAV

## One VRF system can provide air conditioning and air supply at the same time.

Outdoor Air Unit can be connected in a same VRF\*1 system as other VRF indoor units and can create fresh and comfortable air supply together using our high advanced technology.

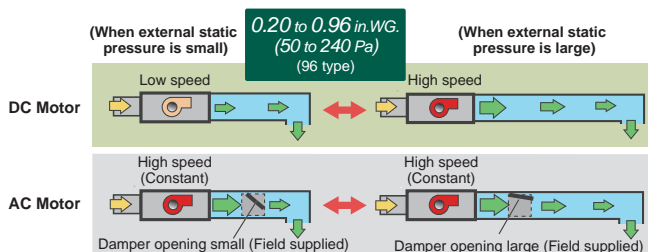
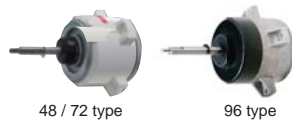
\*1 V-II, VR-II



\* Connected capacity must be between 50% to 100% of the outdoor unit capacity. When a system contains different types of indoor units, Outdoor Air Unit cannot be more than 30% of outdoor unit capacity.

## High energy savings and flexible duct design by using a DC motor

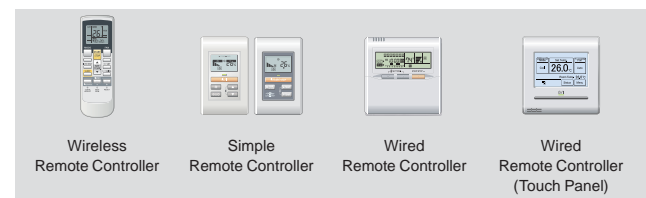
- Greatly reduces electricity consumption by adopting permanent magnet compared to when using an AC motor.
- Compared with an AC motor, changing the speed allows it to respond flexibly to the external static pressure from 0.20 to 0.96 in.WG. (50Pa to 240Pa). Even if damper equipment is not used, static pressure can be adjusted and duct design is easy.
- Static pressure can be set easily using the wired remote controller.



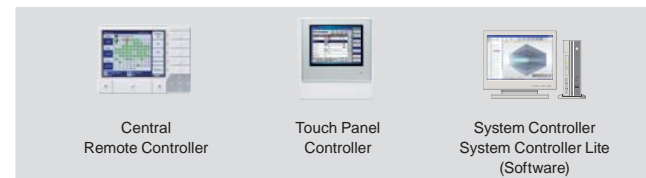
## Various Controllers

There are a variety of optional controllers, such as individual controller, central controller and building management controller.

### Individual Controllers



### Central Controllers



\* The temperature setting is discharged air temperature setting. The air volume is set to a constant speed.



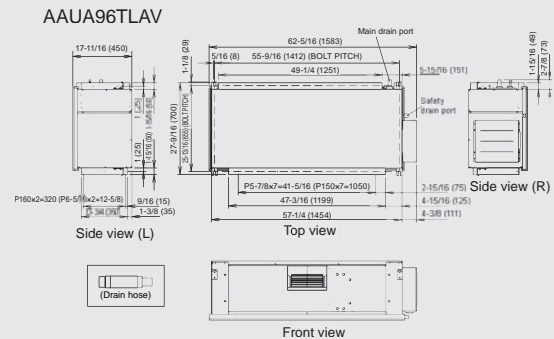
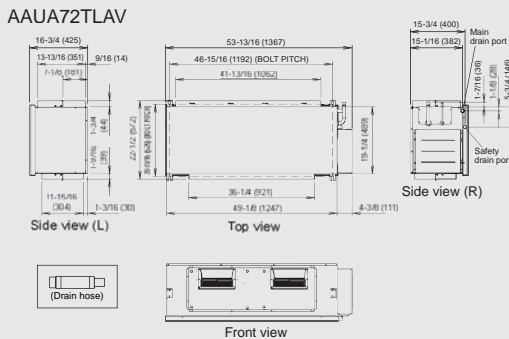
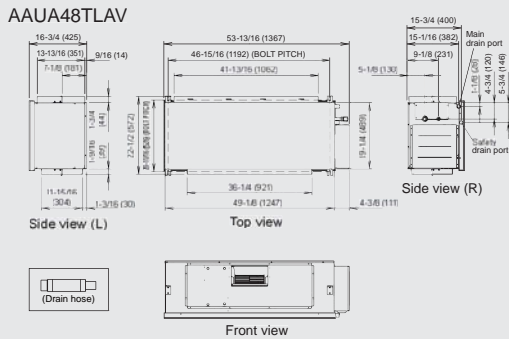
## Specifications

Model No.			AAUA48TLAV	AAUA72TLAV	AAUA96TLAV	
Power source			208-230/1/60			
Capacity	Cooling	Btu/h	48,000	72,000	96,000	
	Heating		30,000	47,000	59,000	
Input Power	Cooling / Heating		kW	179	292	
			CFM (m <sup>3</sup> /h)	636 (1,080)	989 (1,680)	1,236 (2,100)
Airflow Rate	Standard (range)		in. WG (Pa)	0.74 (0.20~0.74)	0.80 (0.20~0.80)	0.80 (0.20~0.96)
			dB (A)	42	44	47
Dimensions (H x W x D)			in. (mm)	16-3/4x53-13/16x22-1/2 (425x1,367x572)	16-3/4x53-13/16x22-1/2 (425x1,367x572)	17-11/16x62-5/16x27-9/16 (450x1,583x700)
			lbs. (kg)	106 (48)	121 (55)	157 (71)
Connection Pipe Diameter (Small / Large)			in. (mm)	Ø3/8 / Ø3/4 (Ø9.52 / Ø19.05)	Ø1/2 / Ø7/8 (Ø12.70 / Ø22.22)	Ø1/2 / Ø7/8 (Ø12.70 / Ø22.22)
Operation Range	Cooling	°FDB (°CDB)	41 to 109 (5 to 43)	41 to 109 (5 to 43)	41 to 109 (5 to 43)	
	Heating		19 to 70 (-7 to 21)	19 to 70 (-7 to 21)	19 to 70 (-7 to 21)	
Refrigerant			R410A	R410A	R410A	

Note : Specifications are based on the following conditions.  
 Cooling : Outdoor temperature of 91°FDB (33°CDB) / 82°FWB (28°CWB).  
 Heating : Outdoor temperature of 32°FDB (0°CDB) / 27°FWB (-2.9°CWB).  
 Pipe length : 25ft. (7.5 m)

## Dimensions (Unit: In (mm))

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