

VRF system

AIRSTAGE™ J-II series

Backed by advanced air conditioning technology, this compact single-phase VRF System was developed to meet three key requirements:

Energy Efficient

Easy Install

Optimum Comfort



Single phase 208-230 VAC, 60 Hz

Models

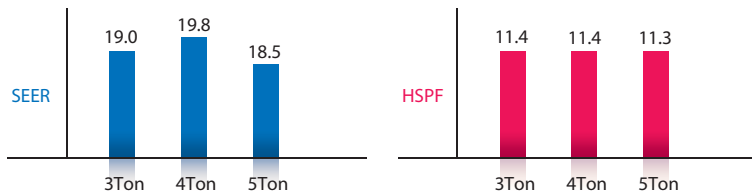
- AOU36RLAVM **3Ton**
- AOU48RLAVM **4Ton**
- AOU60RLAVM **5Ton**

A compact high-efficiency VRF System that responds to the needs of each building

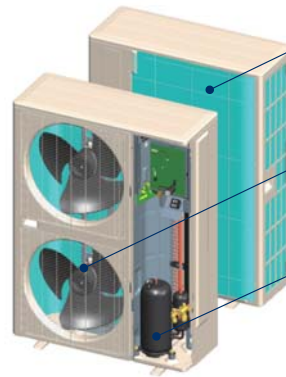
Features

Energy Efficiency

The J-II provides the highest efficiency for any single-phased VRF.



* Non-Ducted



Large Heat Exchanger

Heat exchange performance is substantially improved by adding a 3rd row to the heat exchanger.

High Efficiency DC Fan Motor

Using low noise dual DC fan motors offers better control and efficiency.

High Efficiency DC Twin Rotary Compressor

DC twin rotary compressor provides great performance under all load conditions. Its performance is optimized for part-load operation.

Easy Install and Design

Flexible Design

Number of connectable indoor units

- 3Ton: 1 to 6 units
- 4Ton: 1 to 8 units
- 5Ton: 1 to 9 units

Connectable indoor unit capacity range

50% to 130%

Compatible indoor unit

11 Types of Airstage indoor units

Ranging in size from

7 kBTU to 60 kBTU

Duct system



Easily retrofits existing ducts.

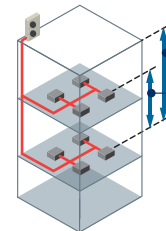
Individual air-conditioning



Connects to a large variety and sizes of indoor units and a large variety of remote controls and central controllers. Additional options for Internet, BACnet and LonWorks communications are available.

Long Piping Length

Broad range of installation by long piping capability.



Height difference between outdoor and indoor units

O.U. is higher than I.U. **164ft. (50m) max.** | O.U. is lower than I.U. **131ft. (40m) max.**

Height difference between indoor units

49ft. (15m) max.

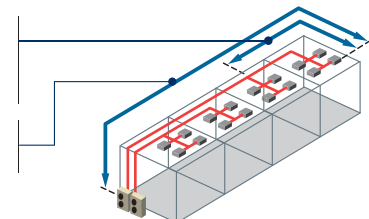
Total Pipe Length
590 ft. (180m) max.

Piping length from first separation tube to the farthest indoor unit

131ft. (40m) max.

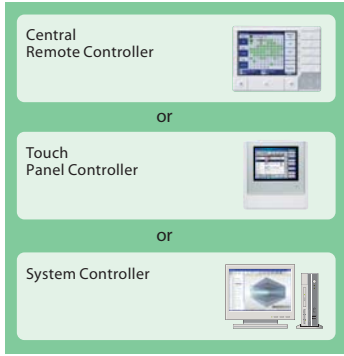
Actual piping length

393ft. (120m) max.

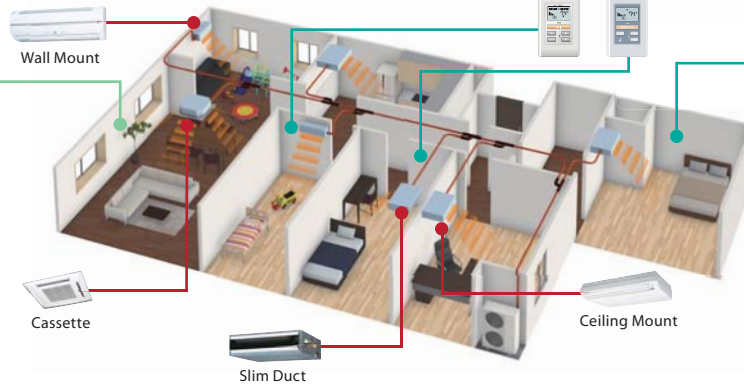


Optimum Comfort

Central Controller

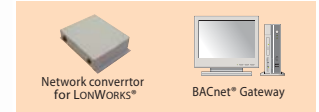


Individual control of each rooms' climate provides better control and reduces energy consumption.



Wired Remote Controller (Touch panel)

BMS system

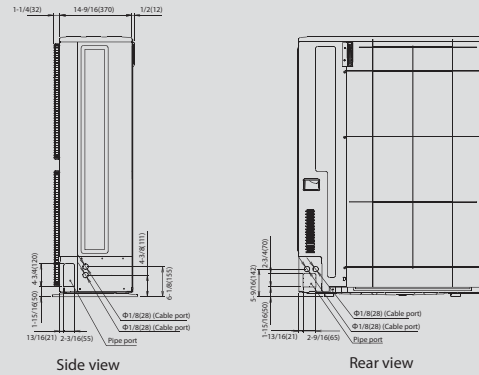
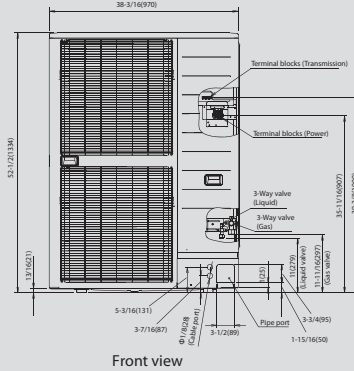
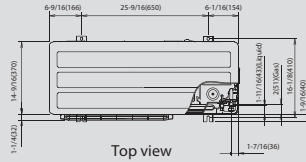


Dimensions

(Unit : in. (mm))

Models :

- AOU36RLAVM
- AOU48RLAVM
- AOU60RLAVM



Specifications

Nominal system capacity		Tons	3	4	5
Model name			AOU36RLAVM	AOU48RLAVM	AOU60RLAVM
Indoor unit connectable capacity ratio			50% to 130%		
Connectable indoor unit			1-6	1-8	1-9
Power source		V / Ø / Hz	1-Phase, 208 / 230V, 60Hz		
Capacity (Non-Ducted/Ducted)	Capacity	Btu/h	36,000	48,000	60,000
	EER	Btu/h/W	13.3 / 12.5	12.5 / 11.8	10.8 / 10.4
	SEER	Btu/h/W	19.0 / 17.0	19.8 / 18.1	18.5 / 16.5
Capacity (Non-Ducted/Ducted)	Capacity	Btu/h	42,000	54,000	66,000
	COP	W/W	3.82 / 3.86	3.88 / 3.64	3.65 / 3.60
	HSPF	Btu/h/W	11.4 / 10.4	11.4 / 10.9	11.3 / 11.0
Airflow rate		CFM(m ³ /h)	3,649 (6,200)	3,767 (6,400)	4,827 (8,200)
Sound pressure level	Cooling/Heating	dB(A)	50 / 52	51 / 53	57 / 57
Dimensions	Height			52-1/2 (1,334)	
	Width	in. (mm)		38-3-16 (970)	
	Depth			14-9/16 (370)	
Weight		lbs. (kg)	260 (118)	260 (118)	269 (122)
Connection pipe diameter	Liquid	in. (mm)		3/8 (9.52)	
	Gas	in. (mm)	5/8 (15.88)	5/8 (15.88)	3/4 (19.05)
Max. total pipe length		in. (mm)		394 (120)	
Max. height difference (Outdoor Unit : Upper / Lower)		in. (mm)		164 / 131 (50/40)	
Operation range	Cooling	°F (°C)		23 to 115 (-5 to 46)	
	Heating			-4 to 70 (-20 to 21)	
Refrigerant type			R410A		

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 80°F (26.7°C)DB / 67°F (19.4°C)WB, and outdoor temperature of 95°F (35°C)DB / 75°F (23.9°C)WB.

Heating : Indoor temperature of 70°F (21.1°C)DB / 60°F (15.6°C)WB, and outdoor temperature of 47°F (8.3°C)DB / 43°F (6.1°C)WB.

Pipe length : 25ft. (7.5m), Height difference : 0ft. (0m). (Outdoor unit - indoor unit)



* See warranty statement for details.

•Specifications and design are subject to change without notice for further improvement.
•Actual products' colors may be different from the colors shown in this printed material.

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Part# 6-26-FG2067 Rev. 10/15



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