

MULTI-ZONE HEAT PUMP SYSTEMS

**MINI VRF
HIGH EFFICIENCY
AIRSTAGE J SERIES**



FUJITSU in
CANADA for

20 years



FUJITSU



10 YEAR
WARRANTY
COMPRESSOR
AND PARTS*
VIA A CERTIFIED
INSTALLER

*See warranty statement for details



High-efficiency VRF systems.

VRF TECHNOLOGY: EFFICIENCY AND FLEXIBILITY

VRF (Variable Refrigerant Flow) technology is one of the most efficient technologies in terms of energy savings, ease of installation, durability and above all, energy efficiency.

Fujitsu's VRF system is based on Inverter technology, which modulates compressor frequency and fan motors according to the total power demanded. Electronic regulators control the refrigerant flow according to the required load of each room in the house, allowing individual control of each room and simultaneous operation in both heating and cooling mode. The result is a very high level of efficiency, energy savings and comfort.



- ✓ **Energy efficiency**
- ✓ **Flexible and easy installation**
- ✓ **Optimum comfort**

A VRF SYSTEM FOR EVERY HOME

VRF is a hybrid between a central and a ductless system.

This system can be adapted to the needs of each home according to its architecture, the type of rooms and the needs of its occupants.

①

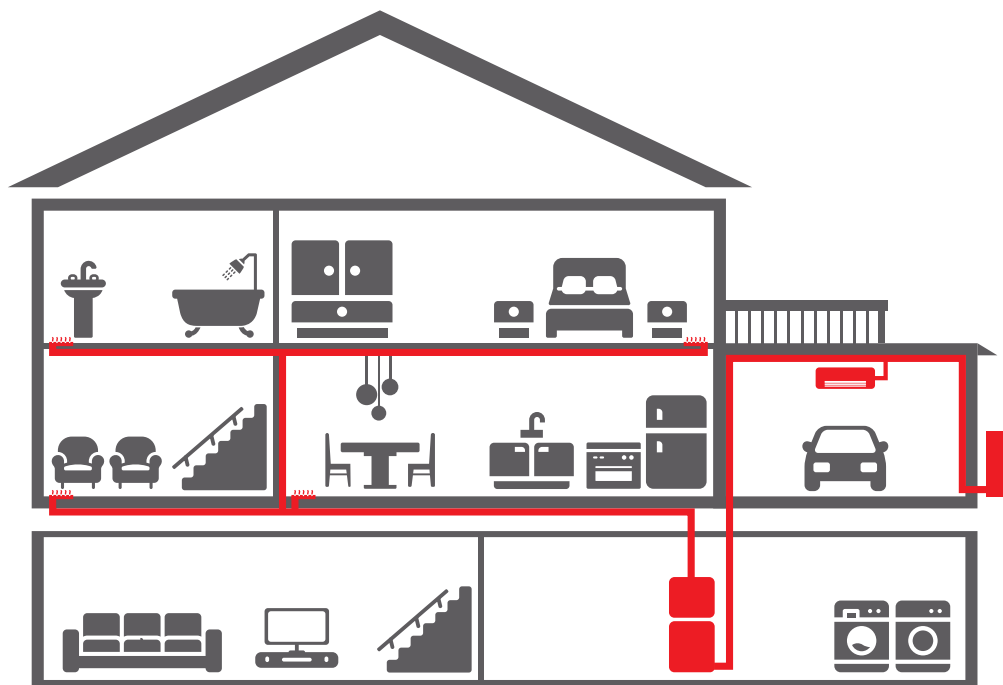
It can replace a central system by adapting to the existing ducting system.

②

It can also consist only of ductless units, making it an ideal system for homes without ventilation ducts.

③

It can be considered when building a new house, knowing that it will be possible to eventually add indoor units as additional heating sources to cope with discomfort problems in areas such as the garage or basement.



Superior energy efficiency even at -20°C



VRF systems provide 93%** nominal capacity at degrees as low as -20°C, well above the industry average which doesn't exceed 40% at -15°C. This translates into a comforting warmth when you really need it and a significant reduction of electricity consumption. In addition, the Fujitsu VRF system is ENERGY STAR qualified, which means that it meets strict technical specifications in terms of energy efficiency and has undergone many tests to obtain this certification.

*Some combinations

** For AOU36RLAVM J-II unit

Easy installation

One of the great advantages of VRF technology is its ease of design and installation. Adapting very easily to the existing system, its installation requires only minor work.

Energy savings

VRF achieves a COP up to 5.12 compared to a 10 year old conventional system which is limited to 1.0.

The COP (coefficient of performance) is a comparative value which divides the energy produced by the energy consumed. The higher the COP the more the system is efficient.

Example: A 2.0 COP means that the units produces 2 times more energy than it consumes to operate. This represents a heating saving of 50% compared to a conventional electrical system with a COP of 1.0.

Discreet and quiet

The zero-clearance footprint of the outdoor unit is ideal for tight terrains and its noise level, lower than a standard heat pump, meets the increasingly strict regulations of municipalities in terms of decibels.

VRF
51dB
Conventional HP
75dB
Washing machine
80dB
Lawn mower
110dB

	Cooling	Heating
3 tons	51dB(A)	52dB(A)
4 tons	52dB(A)	54dB(A)
5 tons	53dB(A)	56dB(A)



Inverter technology allows for modulating the units operation in order to maintain a steady temperature. This electronic power module allows the unit to reach quickly the desired temperature while keeping it constant by running the compressor at the proper revolution to provide the required capacity. This results in an important decrease in the number of compressor stop/start, a more stable ambient temperature, substantial energy savings and increased life span of the unit.



AIRSTAGE™ J-IIS

AOU36-48-RLAVS

ADVANCED HIGH-EFFICIENCY TECHNOLOGY

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



Touch remote control

AIR HANDLER ARUV

Features

- Quiet 3-speed fan
- Small footprint
- Adjustable static pressure from 0.1 to 0.8 in. WG
- Easy access front panel
- Built-in standard MERV3 filter
- Auxiliary heat operation capability
- 12 to 60,000 BTU/h

Option of installing any thermostat with the UTY-TTRX conversion kit.



J-IIS	
AOU36RLAVS	AOU48RLAVS
3 tons	4 tons

Indoor unit connectable capacity ratio	50% to 130%	50% to 130%
Maximum connectable indoor units	1-6	1-8
Power source Ø / V / Hz	1-Phase, 208 / 230V, 60HZ	
Cooling capacity (non-ducted/ducted) BTU/h	36,000	48,000
Cooling capacity (non-ducted/ducted) EER BTU/h/W	11.8 / 11.2	9.6 / 9.1
Cooling capacity (non-ducted/ducted) SEER BTU/h/W	19.7 / 17.4	18.8 / 16.9
Heating capacity (non-ducted/ducted) BTU/h	42,000	54,000
Heating capacity (non-ducted/ducted) COP W/W	3.74 / 3.56	3.54 / 3.36
Heating capacity (non-ducted/ducted) HSPF W/W	11.2 / 10.3	10.9 / 10.1
Airflow rate CFM (m³/h)	2,378 (4,040)	2,472 (4,200)
Sound pressure level cooling/heating dB (A)	52 / 54	53 / 55
Dimensions	39-5/16 (998)	
Height in (mm)	38-3/16 (970)	
Width in (mm)	14-9/16 (370)	
Depth in (mm)	190 (86)	
Weight lbs. (kg)	3/8 (9.52)	
Connection pipe diameter Liquid in (mm)	5/8 (15.88)	
Connection pipe diameter Gas in (mm)	262 (80)	
Max. total pipe length ft. (m)	98/98 (30/30)	
Max. height difference (outdoor unit: upper/lower) ft. (m)	-5 to 46	
Operation range cooling °C	-20 to 21	
Operation range heating °C	R410A	
Refrigerant type		

Note: Specifications are based on the following conditions:

Cooling: Indoor temperature of 26.7°C DB / 19.4°C WB, and outdoor temperature of 35°C DB / 23.9°C WB.

Heating: Indoor temperature of 21.1°C DB / 15.6°C WB, and outdoor temperature of 8.3°C DB / 6.1°C WB.

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

AIRSTAGE™ J-II

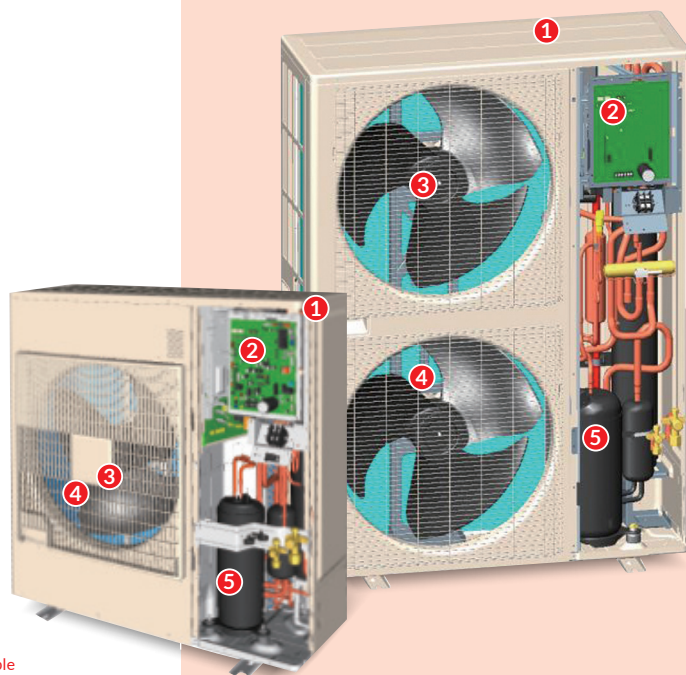
AOU36-48-60RLAVM



Touch remote control



*Some combinations



J-II			
AOU36RLAVM*	AOU48RLAVM*	AOU60RLAVM	
3 tons	4 tons	5 tons	
50% to 130%	50% to 130%	50% to 130%	Indoor unit connectable capacity ratio
1-6	1-8	1-9	Maximum connectable indoor units
1-Phase, 208 / 230V, 60HZ			Power source Ø / V / Hz
36,000	48,000	60,000	Cooling capacity (non-ducted/ducted) BTU/h
13.3 / 12.5	12.5 / 11.8	10.8 / 10.4	Cooling capacity (non-ducted/ducted) EER BTU/h/W
19.0 / 17.0	19.8 / 18.1	18.5 / 16.5	Cooling capacity (non-ducted/ducted) SEER BTU/h/W
42,000	54,000	66,000	Heating capacity (non-ducted/ducted) BTU/h
3.82 / 3.86	3.88 / 3.64	3.65 / 3.60	Heating capacity (non-ducted/ducted) COP W/W
11.4 / 10.4	11.4 / 10.9	11.3 / 11.0	Heating capacity (non-ducted/ducted) HSPF W/W
3,649 (6,200)	3,767 (6,400)	4,827 (8,200)	Airflow rate CFM (m³/h)
50 / 52	51 / 53	57 / 57	Sound pressure level cooling/heating dB (A)
52-1/2 (1,334)			Dimensions Height in (mm)
38-3-16 (970)			Width in (mm)
14-9/16 (370)			Depth in (mm)
260 (118)	260 (118)	269 (122)	Weight lbs. (kg)
3/8 (9.52)			Connection pipe diameter Liquid in (mm)
5/8 (15.88)	5/8 (15.88)	3/4 (19.05)	Connection pipe diameter Gas in (mm)
394 (120)			Max. total pipe length ft. (m)
164 / 131 (50/40)			Max. height difference (outdoor unit: upper/lower) ft. (m)
23 to 115 (-5 to 46)			Operation range cooling °F (°C)
-4 to 70 (-20 to 21)			Operation range heating °F (°C)
R410A			Refrigerant type

Note: Specifications are based on the following conditions:

Cooling: Indoor temperature of 26.7°C DB / 19.4°C WB, and outdoor temperature of 35°C DB / 23.9°C WB.

Heating: Indoor temperature of 21.1°C DB / 15.6°C WB, and outdoor temperature of 8.3°C DB / 6.1°C WB.

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

- 1 LARGE HEAT EXCHANGER**
Heat exchange performance is substantially improved by adding a 3rd row to the heat exchanger and a pre-coated fin material for added corrosion protection.
- 2 DC INVERTER CONTROL**
Efficiency is improved by mounting of new active filter module.
- 3 HIGH-EFFICIENCY DC FAN MOTOR**
Using low noise dual DC fan motors offers better control and efficiency.
- 4 LARGE PROPELLER FAN**
High performance and low noise realized by large propeller and optimization of angle.
- 5 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.

GUARANTEED COMFORT

Fujitsu's heat pumps are designed to last and deliver unmatched performance year after year, after year... This is why Fujitsu offers the only complete warranty on parts and compressor. Do not be fooled by the warranties offered by other manufacturers. Furthermore, your Fujitsu certified dealer is supported by The Master Group, the largest independent HVAC-R distributor in Canada. For 65 years, The Master Group has distinguished itself for its extensive inventory, exceptional customer service and technical expertise.

Other indoor combination options

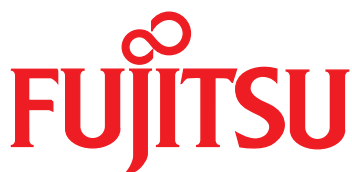
up to 8 indoor units from a single outdoor unit: wall mounted, built-in, cassette and floor mounted



TRUST OUR CERTIFIED INSTALLERS

Entrusting your comfort to Fujitsu, is ensuring cozy comfort all year, maximum performance when you really need it and substantial energy savings.

It is also assurance of a flawless installation guaranteeing optimal system performance because each Fujitsu system is installed by a licensed dealer who has received a specific technical training and has all the skills required to recommend the unit best suited to your needs and comfort standards. His recommendation will be based not only on the living space, but also on insulation, windows, number of occupants and your lifestyle and habits.



*See warranty statement for details

The best complete warranty available on the market is offered on each Fujitsu systems.

To accept this offer, the qualifying product must be registered online via contractors.fujitsugeneral.com/registration/dsp_step_one.cfm within 60 days of the installation date. Otherwise, the manufacturer's standard 5-year parts and 7-year compressor warranty applies, no labor.



Authorized dealer

