

Mini-Split Air Conditioners and Heat Pumps for Residential and Light Commercial Applications

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# Fujitsu Mini-Splits: Year-Round, Whole-Home or Business Energy Efficient Heating and Cooling

### What is a Mini-Split?

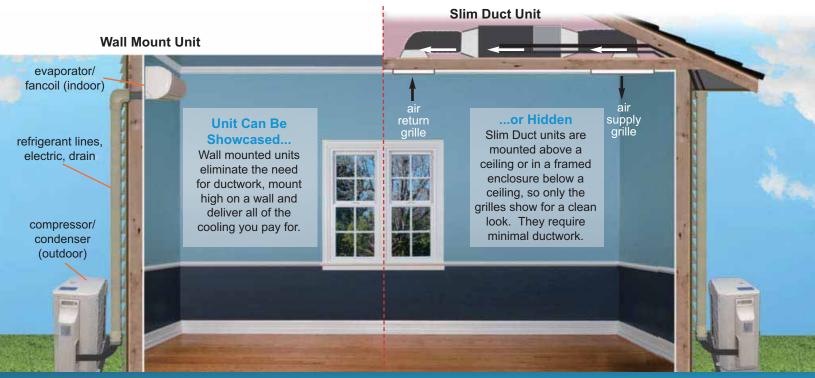
Halcyon systems eliminate the need for a basement or attic-located evaporator unit and bulky ductwork by using thin copper tubing that pumps refrigerant directly to discreet wall mounted or concealed units inside. Even more remarkable, this same unit works in reverse in winter, absorbing heat from the outside air and moving it indoors to heat your home. The result? Efficient cooling and heating for year-round, whole-house comfort in most climates.

Available in numerous mix-and-match capacities and configurations, there's a Halcyon mini-split system for even the most difficult to heat and cool areas.

### **How Does a Mini-Split Work?**

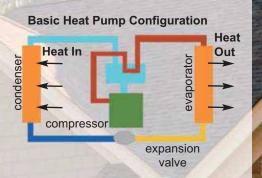
Like your refrigerator, heat pumps use electricity to pump refrigerant and transfer heat from one space to another. When we transfer heat from within our home to the outdoors, we call it "air conditioning". Conversely, when we transfer heat from the outdoors to within the home, we call it a "heat-pump".





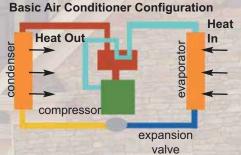
### **Heat Pumps Provide Heat When it is Chilly**

Because refrigerant is naturally much colder than outdoor temperatures even on a very cold day, it actually absorbs heat from outdoors, and transfers the heat it absorbs outside to within your home. The refrigerant's physical properties do this naturally. What you pay for is the electricity to pump refrigerant via copper tubing from outdoors to indoors. Because we move the heat rather than create it (as electric baseboard or resistant heat does), we can deliver up to 4 times the heat for the energy we consume!



### Air Conditioners Provide Cooling When It's Warm

Come spring and summer, simply reverse the process and put the same system into "cooling mode" and transfer heat from indoors to the outside. For many climates, the advanced technology that goes into these units creates a far more cost effective alternative to either gas or oil-fired units for heat, or a central ducted system for air conditioning. Fujitsu's full mini-split line up are heat pumps, which provide both heating and cooling.



### **Electric Heaters versus Heat Pumps**



An electric heater converts electricity directly to heat, and if we assume that the heat loss is zero, the output from one kilowatt input is one kilowatt or 3,400 BTU and the EER is 3.4.



Heat pumps are more efficient than some other forms of heating because heat pumps do not actually create heat - they just move it from one place to another. For example, the output of an efficient 10 EER heat pump is triple that of an electric heater.

\*EER (Energy Efficiency Rating) = Rated BTU capacity divided by total kW input.

# **Individual Zoning: Personalized Whole Home Comfort**

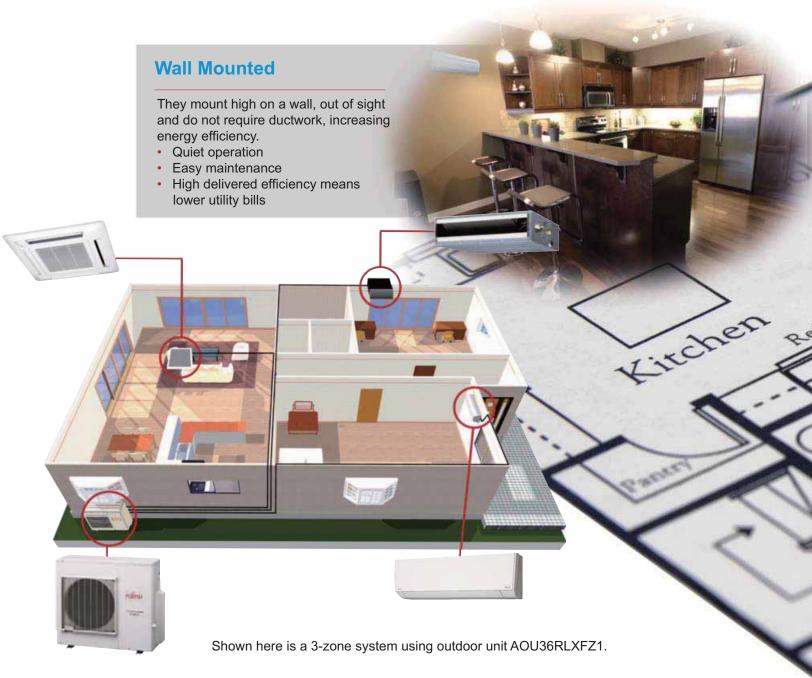
Halcyon HFI Systems are some of today's most advanced forms of heating and air conditioning. One outdoor unit can operate up to 8 indoor units simultaneously. Fujitsu's HFI Systems are super quiet as well as highly energy efficient.

- Each indoor unit can be operated independently via remote control
- · Choose from a variety of indoor unit styles
- Provide both heating and cooling (not simultaneously)
- · High energy efficiencies
- Quiet operation









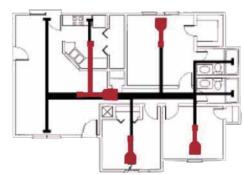


# A Solution for All of Your Comfort Needs

### **Ductless Technology**

Don't waste money cooling and heating the ducts in your walls and attic. Fujitsu systems are ductless, meaning they install easily and won't take up valuable closet space. Since mini-splits have little to no ducting, they forego those energy losses typically associated with central forced-air systems. Duct losses in a central air system can easily account for more than 30% of energy consumption, especially if the ducts are not sealed tight or in an unconditioned space such as an attic or crawlspace.

### Central Air System versus Fujitsu HFI Quad Zone



Thick black lines represent ducts of a Central Air System.

Red lines represent miniducts of a Fujitsu Quad Zone Slim Duct System.

### Whole Home or Business Comfort

Fujitsu's Halcyon HFI systems provide home and business owners just the right amount of heating and cooling needed by installing 2 to 8 indoor units connected to one outdoor unit. Indoor units vary by size and style and each creates its own "zone" of comfort, allowing you to heat or cool individual rooms, hallways and open spaces.



### **A Year Round Solution**

Revolutionary Halcyon heat pumps provide both heating and cooling for year round comfort in most climates. A simple push of a button on the remote control allows you to switch from heating to cooling (or vice versa) automatically.





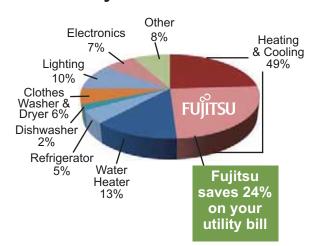
# **Energy Efficient: The Smart Choice in Comfort**

As much as half of the energy used in your home goes to heating and cooling. So, making smart decisions about your home's heating and air conditioning system can have a big effect on your utility bills — and your comfort.

### Where Does My Money Go?

The high energy efficiencies of
Halcyon systems slash utility
bills by up to 24%. If your
average annual utilities are
\$4,200, Fujitsu can save you up to
\$1,008 annually or \$10,080 in 10 yrs!\*

<sup>\*</sup>Savings may vary based on model selected, hours of operation and geographical location. Example given based on 33-SEER system versus 14-SEER system.



### Rebates

To encourage customers to buy energy efficient products, many local utility companies offer significant rebates for the purchase of a ductless mini-split system. Go to Fujitsu's web site to search for local rebates, consumer loans and utility bill discounts. We provide a listing of rebates and offerings on qualifying Fujitsu mini-splits by zip code. www.fujitsugeneral.com



### **ENERGY STAR® Qualified Systems**

If your HVAC equipment is more than 10 years old or not keeping your house comfortable, you should have it looked at by a professional HVAC contractor. If it is not performing efficiently or needs upgrading, consider replacing it with a unit that has earned ENERGY STAR®. Installed correctly, these high-efficiency heating and cooling units can save up to 25 percent on heating and cooling costs.

**Fujitsu has 33 systems that are ENERGY STAR qualified in 2016.** See the lineup chart on pages 14 - 15 for a full listing of all ENERGY STAR® qualified systems.



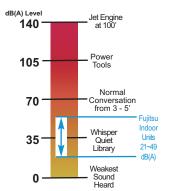


SEER ≥ 15.0 EER ≥ 12.5 HSPF ≥ 8.5

# **Comfort and Convenience**

### Flexible and Quiet

Mini splits offer flexibility because they can be suspended from a ceiling, mounted flush behind a drop ceiling, hung on a wall or floorstanding. Ductless heat pumps allow for a peaceful inside environment by enabling the contractor to install components like compressors and motors outdoors.





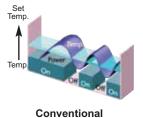
# **Constant Comfort through Inverter Technology**

Inverter technology is like cruise control for your heating or cooling system. Compressors only run as fast as they need to handle the cooling or heating demand. They can handle greater extremes in temperature, are smoother and more stable in operation, and reach the desired temperature more quickly than conventional air conditioners.

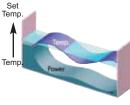
### **Inverter Benefits**

- More heat at lower outdoor temperatures
- Lower RPMs = quieter operation
- Desired temperature in half the time
- Up to 30% more efficient
- Stable temperature





**System** 



**Inverter System** 

### **User Friendly Control**

Fujitsu is using ergonomics to expand the use of user friendly designs such as easy-to-read large LCD displays, easy-to-operate buttons, and displays with easily recognizable colors and icons.

We are producing control systems that provide greater convenience for both individual and centralized control with operability suitable for the application.

Standard Wireless Remote for



# **Applications**











# Where can mini-splits be used?

Convenience stores
Fast food chains
Fire houses
Police stations
Oil rigs
Bars

Sunrooms and additions
Warehouses
Nursing homes

Small offices

Older homes

New construction homes

Schools

Places of worship
Hospitals and medical facilities

Restaurants

Computer rooms

Hotels and motels

Car washes

ATM vestibules

Just about any place that requires comfort!











# **Feature Explanation**

Seasonal Energy Efficiency Rating. Used to express efficiency of an AC or Heat Pump. A higher rating means more efficient.

Heating Seasonal Performance Factor, measures the efficiency of heating portion of your heat pump.



### **ENERGY STAR® Qualified**

Qualified products and practices help you save money and reduce greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy.



### Apple Catechin Filter (polyphenol ingredient from apples)

Dust, mold spores and microorganisms are absorbed onto the filter by static electricity and growth is inhibited and deactivated. 3 - 12 month life expectancy, depending on environment.



Deodorizes by decomposing absorbed odors using the oxidizing and reducing effects of ions generated by fine ceramic particles. 3 year life expectancy. Wash to restore surface action.



Automatically adjusts the temperature while you sleep to make you more comfortable.



### 24 Hour Timer

24 Hour Allows for one on/off cycle during a 24 hour period.



Allows you to set on/off time twice a day and a different on/off time by day.



Allows for moisture removal in low load conditions of up to 50% of rated moisture removal capacity.



### Auto Louver: Up/Down

Redirects airflow automatically with seven position up and down motion which can be set to auto swing.



### Auto Louver: 4 Way

Redirects airflow automatically with up/down and left/right motion.



System starts in high fan speed and automatically adjusts downward as room begins to reach set temperature.



### **Powerful Operation**

20 minutes of continuous operation at maximum airflow and maximum compressor speed. Rapid cooling and heating makes the room comfortable quickly.



Sets room temperature to 50°F, keeping temperatures above freezing and reducing power consumption.



### **Economy Mode**

Thermostat setting automatically changes according to the temperature to avoid unnecessary cooling and heating.



Keeps room cool enough for comfort by using a relaxed thermostat setting reducing power consumption.



### **Energy Saving Program (ESP)**

If a space is left without turning the unit off, ESP knows that it is unoccupied and 20 minutes later, temperature is adjusted accordingly until users return to the room. Function is disable in multi-zone installations.



### **Quiet Mode (Indoor Unit)**

An extra quiet fan speed to make sure you are not disturbed.



### **Outdoor Unit Low Noise**

Limits compressor and fan speed during high speed operation for a 3 dB noise reduction.+



### **Power Diffuser**

An additional louver that opens based on monitoring sensors to quickly enhance immediate comfort needs.



### Auto Restart/Reset

Following a power failure, systems will automatically restart in the same operating mode as before, once power has been



### Auto Changeover (heating to cooling or vice-versa)

Automatically alternates between heating or cooling if the room temperature falls 4°F below the set temperature when cooling or rises 4°F above set temperature when heating.\*



### **Low Ambient Cooling**

Can operate in cooling mode even when outdoor ambient is 0°F, 14°F or 32°F, depending on model, without modification. Operation outside of factory specification is not recommended.



### Blue Fin Heat Exchanger

Blue fin treatment to the outdoor unit's heat exchanger improves corrosion resistance.



### **Expanded Heating Performance**

Delivers 100% of rated heating capacity at 5°F (-15°C) and operates down to -5°F (-21°C).



Indoor coil will warm prior to fan operating, preventing cold air during heating mode.



Cassette body can be moved downward into the room 1-3/8" to accommodate limited ceiling space.



### Remote Temperature Sensor

Room temperature sensor is located in optional wired remote controller only.



### Pump Down Operation

Collects all refrigerant in system back into the outdoor unit when the unit is to be moved or before servicing the refrigerant



Ability to connect up to 16 identical style indoor units to one wired remote.



### **High Ceiling Mode**

Temperature at the top of a high ceiling room may be warmer than the space occupied; this mode adjusts for this difference.



### **Branch Duct Capable**

Systems are capable of attaching field-supplied branch ducts providing up to 38% of the cooling up to 16 feet away.



Outside air can be introduced by attaching field supplied flexible duct to fresh air knockouts.



### **Base Pan Heater**

Prevents condensate from freezing on the outdoor unit. Third Party Device Control Turns system on or off using a normally closed circuit.



### Interface with third party devices such as home automation.

**ී/2** Fujitsu systems come with either a 2 Year Parts / 6 Year Warranty Compressor warranty or up to a 12 Year Parts / Compressor



\*Auto Changeover is <u>not</u> designed to provide rapid changes between heating <u>and</u> cooling operation or simultaneous heating and cooling. This feature is <u>not</u> recommended for systems with more than one indoor unit <u>unless</u> all indoor units have similar heating and cooling requirements and have similar temperature set points. If all indoor units have similar heating and cooling requirements and have

similar temperature set points, auto changeover will work

<sup>+</sup>Function is bypassed during defrost and at low speed operation. This feature may limit cooling/heating capacity during high/low ambient conditions and increase energy consumption as system may need to operate longer due to reduced compressor speed.

<sup>&</sup>lt;sup>1</sup> Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details

Feature	eature <b>T</b>				Single Zone Wall Mount Heat Pumps									Single Single Zone Ducted Cassette					Universal/ Ceiling Susp.			Floor Mount				Large Cassette			e	HFI Multi-Zone and Flex-Zone											
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A SEER and HSPF ratings depend on combination of indoor units and outdoor unit selected.

☐ Available only with optional wired remote controller.

☐ Available only with optional Fresh Air Intake Kit.

☐ Available only with optional Fresh Air Intake Kit.

☐ Available only with optional Fresh Air Intake Kit.

☐ Available only with optional Fresh Air Intake Kit.

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☐ Available only with optional Fresh Air Intake Kit.

☐ Available only with optional Fresh Air Intake Kit.

☐ Available only with optional Interface Kit.

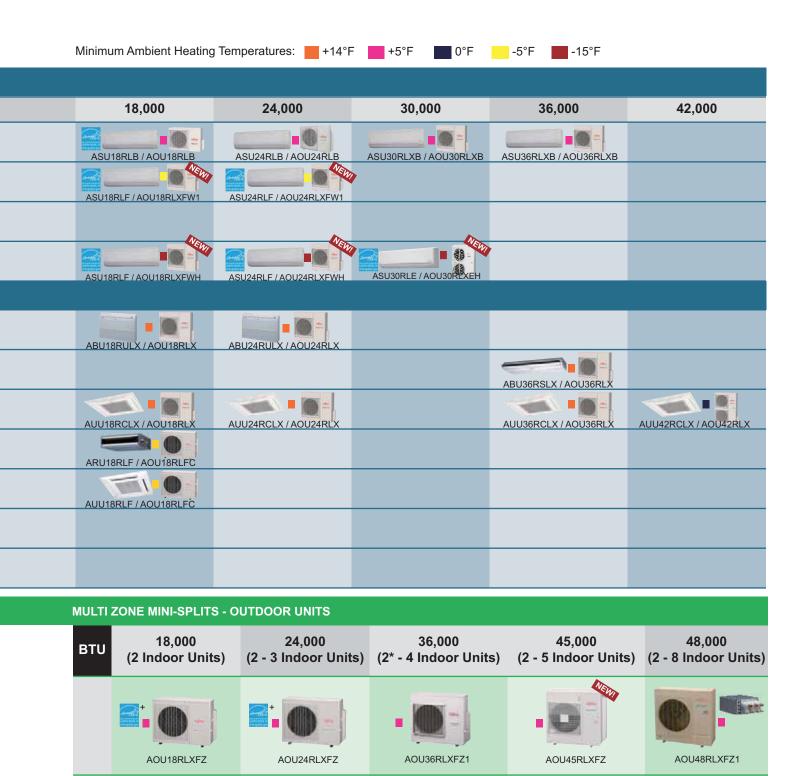
☐ Operation monitoring and On/Off control only.

☐ Auto Changeover is not designed to provide rapid changes between heating and cooling operation or simultaneous heating and cooling. This feature is not recommended for systems with more than one indoor unit unless all indoor units have similar heating and cooling requirements and have similar temperature set points, auto changeover will work. have similar heating and cooling requirements and have similar temperature set points. In an indust units have similar including and cooling requirements and nave similar heating and cooling requirements. It is featured on outdoor multi-zone models AOU18RLXFZ4, AOU18RLXFZ4, AOU38RLXFZ4, AOU38RLXFZ4, AOU36RLXFZ4, AOU

# Single Zone And Multi-Zone Systems Lineup

Minimum Ambient Heating Temperatures: +14°F SINGLE ZONE WALL MOUNTED MINI-SPLITS **BTU** 12.000 15.000 9.000 **Wall Mount Entry Level Heat Pump** ASU9RL2 / AOU9RL2 ASU12RL2 / AOU12RL2 **Wall Mount** High SEER ASU9RLF1 / AOU9RLFW1 ASU12RLF1 / AOU12RLFW1 **Wall Mount Highest Efficiency** ASU9RLS3 / AOU9RLS3 ASU12RLS3 / AOU12RLS3 ASU15RLS3 / AOU15RLS3 **Wall Mount** Extra Low Temp Heating ASU9RLS3 / AOU9RLS3H ASU12RLS3 / AOU12RLS3H ASU15RLS3 / AOU15RLS3H SINGLE ZONE NON-WALL MOUNTED MINI-SPLITS **Universal Mount** Floor/Ceiling **Ceiling Suspended Large Cassette Slim Duct** Horizontal/Vertical ARU9RLF / AOU9RLFC **Compact Cassette** AUU9RLF / AOU9RLFC AUU12RLF / AOU12RLFC **Floor Mount Highest Efficiency** AGU9RLF / AOU9RLFF AGU12RLF / AOU12RLFF **Floor Mount** Extra Low Temp Heating GU12RLF / AOU12RLFFH AGU15RLF / AOU15RLFFH **MULTI ZONE MINI-SPLITS - INDOOR UNITS BTU** 9,000 12,000 15,000 18,000 24,000 7,000 Compact **Wall Mount** ASU7RLF1 ASU9RLF1 ASU12RLF1 ASU15RLS2\*\* Large **Wall Mount** ASU18RLF ASU24RLF **Slim Duct** ARU7RLF ARU9RLF ARU12RLF ARU18RLF ARU24RLF Compact 1 8000 A STORY 1 8000 1 8000 Cassette AUU7RLF AUU9RLF AUU12RLF AUU18RLF **Floor Mount** AGU9RLF AGU12RLF AGU15RLF

<sup>\*\*</sup> ASU15RLS2 is NOT compatible with AOU18/24/36RLXFZH, AOU36RLXFZ1 or AOU45RLXFZ.



- AOU24RLXFZH \* If AOU36RLXFZ1 is paired with two 18,000 BTU indoor units, you have to purchase optional kit Part #K9FZ1818.
- + The only combinations that qualify for ENERGY STAR® are: AOU18RLXFZ with (2) ASU9RLF1 AOU18RLXFZ with (1) ASU7RLF1 + (1) ASU12RLF1 AOU18RLXFZ with (1) ASU9RLF1 + (1) ASU12RLF1 AOU18RLXFZH with (2) ASU9RLF1

AOU18RLXFZH

AOU24RLXFZ with (2) ASU7RLF1 + (1) ASU9RLF1 AOU24RLXFZH with (2) ASU7RLF1 + (1) ASU9RLF1 AOU36RLXFZ1 with (4) ASU9RLF1 AOU36RLXFZH with (4) ASU9RLF1

AOU36RLXFZH

# SINGLE ZONE MINI-SPLIT SYSTEMS

Making the hottest places cool and the coolest places more comfortable

- Extensive lineup from 9,000 to 42,000 BTU/h
- 39 different systems available in
   11 indoor unit styles
- Energy efficient systems with SEER ratings as high as 33.0 and HSPF as high as 14.2
- 25 ENERGY STAR® qualified systems
- Inverter Technology is used in all systems
- All systems feature environmentally friendly R410A refrigerant
- Quiet operation with indoor units as low as 21 dB and outdoor units as low as 47 dB



# Wall Mounted 115V Inverter 9, and 12,000 BTU Systems

SYSTEMS 9RL2, 12RL2



### **Function**

Stylish, slim and elegant, these popular wall mounted units are designed for single rooms. Indoor units have a clean, aesthetic design and are small but mighty and shorter in length than competing units, helping them blend into any room. These 16-SEER heat pump systems now feature Inverter technology, environmentally friendly R410A refrigerant, both heating and cooling operation, quiet mode and easy maintenance.

### **Applications**

This category of equipment is ideal for smaller spaces where spot cooling or heating is required. Residential applications including sunrooms and additions are made easier with these 115 volt heat pumps. Do you have a warm or cool spot in your home? Fujitsu mini-splits can provide extra cooling or heating capacity for those hard to cool areas. Commercially, their small size makes them ideal for small offices, providing individual temperature control.

### **Easy Maintenance**

Front panel is easily removed for cleaning.



### **Standard Features**

- Wireless Remote Control
- Sleep Timer
- Dry Mode
- , ♣ Auto Louver
- Auto Mode
- Powerful Operation
- Quiet Mode
- Economy Mode
- R Auto Restart/Reset
- Auto Changeover
- Low Ambient
- Cold Prevention









\*Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.



### 16.0 SEER

	9R	L2	12R	L2		
	Heat I		Heat F			
Nominal Cooling BTU/h	9,0	00	12,0	000		
Min.~Max. Cooling BTU/h	1,700~	10,700	3,100~	12,500		
Nominal Heating BTU/h	10,0	000	14,0	000		
Min.~Max. Heating BTU/h	1,700~	12,000	3,100~	16,000		
HSPF BTU/hW	9.	0	9.	0		
SEER BTU/hW	16	.0	16	.0		
EER Clg	10	.8	10	.0		
Clg. Operating Range °F(°C)	15~115 (	(-10~46)	15~115 (	-10~46)		
Htg. Operating Range °F(°C)	15~75 (	-10~24)	15~75 (-	10~24)		
Moisture Removal Pt./h(l/h)	2.7 (	(1.3)	3.8 (	1.8)		
Voltage/Frequency/Phase	115/	60/1	115/6	50/1		
MAX.CRT.BKR (A)	1	5	20	)		
Air Circ. C.F.M. (m3/h): Hi	436 (	740)	436 (	740)		
Medium	353 (	(600)	353 (	600)		
Low	265 (	(450)	265 (	450)		
Quiet	191 (	(325)	191 (	325)		
Noise Level dB(A) Clg/Htg: Hi	43/	43	43/	43		
Medium	38/	38	38/	38		
Low	33/	33	33/	33		
Quiet	23/	23	23/	23		
Outdoor Noise Level dB(A) Clg/Htg	47/	48	51/	51		
Current (A): Cooling	7.	5	10			
Heating	7.	0	11.			
Power Use (kw): Cooling	0.0	33	1.2	20		
Heating	0.7	77	1.21			
Fan Speeds Stage	4 + /	Auto	4 + A	Auto		
Air Direction: Horizontal	Mar	nual	Man	ual		
Vertical	Autor	natic	Autor	natic		
Air Filter	Wash	nable	Wash	able		
Connection Method	Fla	are	Fla	re		
Combined Min. Lgth Ft (m)	10	(3)	10	(3)		
Combined Max. Lgth Ft (m)	66 ( (pre-cha	(20) rge: 49')	66 ( (pre-chai	20) ge: 49')		
Max. Vertical Diff. Ft (m)	49 (		49 (			
Conn. Pipe Diameter Inch	Suc. 3/8	Dis. 1/4	Suc. 3/8	Dis. 1/4		
Net Weight Ibs. (kg)	16 (7)	64 (29)	16 (7)	69 (31)		
Dimensions: Height Inch	10-5/16	21-1/4	10-5/16	21-1/4		
mm	262	540	262	540		
Width Inch	32-9/32	26	32-9/32	26		
mm	820	660	820	660		
Depth Inch	8-1/8	11-11/32	8-1/8	11-11/32		
mm	206	290	206	290		
Refrigerant	R41	I0A	R41	0A		
	Indoor SU9RL2	Outdoor OU9RL2	Indoor 3U12RL2	Outdoor )U12RL2		

# Wall Mounted High-SEER 9, 12 and 15,000 BTU Systems

SYSTEMS 9RLS3, 12RLS3, 15RLS3



# **~~\\\F\$P**

# **Energy Saving Program**

These Halcyon systems know how to save you money even when you forget. If you leave the room without turning the unit off, ESP knows that you left and 20 minutes later,



**Economy Mode** 

Quiet Mode (Indoor)

R Auto Restart/Reset

Low Ambient Cooling

Remote Temp. Sensor\*

Auto Changeover

Cold Prevention

Low Noise Mode

set temperature is increased by 4°F when cooling and reduced by 8°F when heating. When you come back to the room, it returns to previous operating mode. This prevents wasteful operation to save energy without you having to think about it. This feature can be deactivated if chosen.

### **High Performance Heating**

Heating capacity at low outdoor temperatures was improved by adopting a large heat exchanger and a high capacity compressor. Rated heating capacity is maintained down to 20°F. This new model can operate down to -5°F.

### Standard Features for RLS3 and RLS3H Models

- Wireless Remote Control 🐷 Energy Saving Program
- Apple Catechin Filter
- lon Deodorizing Filter
- Sleep Timer
- 24 Hour Timer
- Weekly Timer
- Dry Mode
- Auto Louver: 4-Way
- Auto Mode
- Powerful Operation Mode 70 3rd Party Device Control+
- Minimum Heat Mode
- \* Available only with optional wired remote controller and optional interface kit.
- + Available only with optional interface kit. Operation monitoring and On/Off control only.

### **Optional Accessories**

- Wired Remote Controller: UTY-RVNUM Backlit and includes room temperature
- Wired Remote Controller: UTY-RNNUM
- Simple Remote Controller: UTY-RSNUM
- Communication Kit: UTY-TWBXF1
- Dry Contact Wire Kit: UTY-XWZXZ5







<sup>\*</sup>Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.



			LS3 Pump		LS3 Pump		LS3 Pump	
		Jany	益	lnerg	於	energ	於	
		Afternal	one Al lat gare	LEARN N energys	IORE AT	LEARN N energys	ORE AT	
	Nominal Cooling BTU/h	9,0	000	12,	000	14,	500	
	Min.~Max. Cooling BTU/h	3,100~	-12,000		13,600		-18,400	
	Nominal Heating BTU/h	12,	000		000		000	
	Min.~Max. Heating BTU/h		-22,000		22,100		-23,900	
	HSPF <i>BTU/hW</i>	14	1.2	14	1.0	13	3.4	
	SEER BTU/hW	33	3.0	29	9.3	25	5.3	
	EER Clg	18	3.0	15	5.2	13	3.9	
	Clg. Operating Range °F(°C)	14~115	(-10~46)	14~115	(-10~46)	14~115	(-10~46)	
	Htg. Operating Range °F(°C)	-5~75 (	(-21~24)	-5~75 (	-21~24)	-5~75 (	-21~24)	
	Moisture Removal Pt./h(l/h)	2.6	(1.2)	2.7	(1.3)	4.0	(1.9)	
	Voltage/Frequency/Phase	208-2	30/60/1	208-23	30/60/1	208-23	30/60/1	
	MAX.CRT.BKR (A)	1	5	1	5	2	20	
	Air Circ. C.F.M. (m³/h): Hi	489	(830)	489	(830)	547	(930)	
	Medium		(680)		(680)		(780)	
	Low		(580)		(580)		(630)	
	Quiet	224	(380)	224	(380)		9 (440) 4 (500)	
	Noise Level dB(A) Clg/Htg: Hi	42	/41	42	/41	45	/45	
n	Medium	37	/35	37	/35	40	/39	
	Low	32	/31	32	/31		/33	
	Quiet	23	/23	23	/23	26	/27	
Ou	tdoor Noise Level dB(A) Clg/Htg		/47		/47		/50	
	Current Rated/Max (A): Cooling		/9.4		/9.4		/9.9	
	Heating		10.0	4.7/	11.9		13.9	
Po	wer Use Rated/Max (kw): Cooling		/0.85		/0.99		/1.56	
	Heating		/1.93		/1.94		/2.19	
	Fan Speeds Stage		Auto		Auto	4+Auto		
	Air Direction: Horizontal		matic		matic		matic	
	Vertical		matic		matic		matic	
k	Air Filter		hable		hable		hable	
+	Connection Method		are		are		are	
•	Combined Min. Lgth Ft (m)		(3)		(3)		(3)	
	Combined Max. Lgth Ft (m)	(pre-cha	(20) arge: 49')		(20) irge: 49')		(20) arge: 49')	
	Max. Vertical Diff. Ft (m)		(15)		(15)		(15)	
	Conn. Pipe Diameter Inch	Suc.3/8	Dis.1/4	Suc.3/8	Dis.1/4	Suc.1/2	Dis.1/4	
	Net Weight Ibs. (kg)	31 (14)	84 (38)	31 (14)	84 (38)	31 (14)	86 (39)	
	Dimensions: Height Inch	11-5/8	24-7/16	11-5/8	24-7/16	11-5/8	24-7/16	
	mm	295	620	295	620	295	620	
	Width Inch	37	31-1/8	37	31-1/8	37	31-1/8	
	mm	940	790	940	790	940	790	
	Depth Inch	10-5/8	11-7/16	10-5/8	11-7/16	10-5/8	11-7/16	
	mm	270	290	270	290	270	290	
	Refrigerant		10A		10A		10A	
		Indoor ASU9RLS3	Outdoor AOU9RLS3	Indoor ASU12RLS3	Outdoor \OU12RLS3	Indoor \SU15RLS3	Outdoor AOU15RLS3	

# Wall Mounted High-Heat 9, 12 and 15,000 BTU Systems

### SYSTEMS 9RLS3H, 12RLS3H, 15RLS3H



### **Energy Saving Program**

ESP senses when you leave a room and 20 minutes later, set temperature is increased by 4°F when cooling and reduced by 8°F when heating. When you come back to the room, it returns to previous operating mode. This feature can be deactivated if chosen.

### **High Performance Heating**

Heating capacity at low outdoor temperatures was improved by adopting a large heat exchanger and a high capacity compressor. Standard rated heating capacity is maintained down to 3°F. RLS3H models will deliver more than 73% of rated heating capacity at -15°F.

### **Base Pan Heater**

- Equipped with a base heater that prevents condensate from freezing
- Cultivated base design discharges melted water through many holes.
- Without a heater, freezing condensate can cause noise, damage to fan blade, condenser, and system performance





Oi

P



Drain hole is not filled, no freezing of base

Freezing where there is no heater

Drain hole is closed, large freezing of base

Condition: Indoor temp. of 68°FDB / outdoor temp. of 5°FDB, Heating mode, High airflow volume. Operation for 24 hours.

### **Optional Accessories**

- Wired Remote Controller: UTY-RVNUM Backlit and includes room temperature
- Wired Remote Controller: UTY-RNNUM
- Simple Remote Controller: UTY-RSNUM
- Communication Kit: UTY-TWBXF1
- Dry Contact Wire Kit: UTY-XWZXZ5







\*Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.



Up to 14.0 HSPF

		S3H Pump	12RI Heat	LS3H Pump	15RI Heat	LS3H Pump
	atera	MAT AND	energ	ystar gov	altern.	estar que
Nominal Cooling BTU/h		000		000		500
Min.~Max. Cooling BTU/h		-12,000		-13,600		-18,400
Nominal Heating BTU/h		000		000		000
Min.~Max. Heating BTU/h		-22,000		-22,100		-23,900
HSPF BTU/hW		1.0		3.8		3.3
SEER BTU/hW		3.0		9.3		5.3
EER Clg		3.0		5.2		3.9
Clg. Operating Range °F(°C)	14~115	(-10~46)	14~115	(-10~46)	14~115	(-10~46)
Htg. Operating Range °F(°C)	-15~75	(-26~24)	-15~75	(-26~24)	-15~75	(-26~24)
Moisture Removal Pt./h(l/h)		(1.2)	2.7	(1.3)	4.0	(1.9)
Voltage/Frequency/Phase		30/60/1		30/60/1		30/60/1
MAX.CRT.BKR (A)		5		5		20
Air Circ. C.F.M. (m³/h): Hi		(830)		(830)		(930)
Medium		(680)	400	(680)		(780)
Low	341	(580)	341	(580)		(630)
Quiet		(380)		(380)	Htg 29	9 (440) 4 (500)
Noise Level dB(A) Clg/Htg: Hi	42	/41	42	/41	45	/45
Medium		/35		/35	40	/39
Low		/31		/31		/33
Quiet		/23		/23		/27
utdoor Noise Level dB(A) Clg/Htg		/47		/47		/50
Current Rated/Max (A): Cooling		/9.4		/9.4		/9.9
Heating		10.0		11.9		13.9
ower Use Rated/Max (kw): Cooling		/0.85		/0.99		/1.56
Heating		/1.93		/1.94		/2.19
Fan Speeds Stage	4+	Auto	to 4+Auto		4+/	Auto
Air Direction: Horizontal	Auto	matic	Auto	matic	Auto	matic
Vertical	Auto	matic	Auto	matic	Auto	matic
Air Filter		hable		hable		hable
Connection Method		are		are		are
Combined Min. Lgth Ft (m)		(3)		(3)		(3)
Combined Max. Lgth Ft (m)		(20) arge: 49')		(20)		(20) arge: 49')
Max. Vertical Diff. Ft (m)		(15)		arge: 49') (15)		(15)
Conn. Pipe Diameter Inch		Dis.1/4	Suc.3/8	` '		Dis.1/4
Net Weight <i>lbs.</i> (kg)	31 (14)		31 (14)		31 (14)	
Dimensions: Height <i>Inch</i>	11-5/8	24-7/16	11-5/8	24-7/16	11-5/8	24-7/16
mm	295	620	295	620	295	620
Width Inch	37	31-1/8	37	31-1/8	37	31-1/8
mm	940	790	940	790	940	790
Depth Inch	10-5/8	11-7/16	10-5/8	11-7/16	10-5/8	11-7/16
mm	270	290	270	290	270	290
Refrigerant		10A		10A		10A
J. J	Indoor ASU9RLS3	Outdoor AOU9RLS3H	Indoor ASU12RLS3	Outdoor AOU12RLS3H	Indoor ASU15RLS3	Outdoor AOU15RLS3H

# Wall Mounted HFI Single Zone 9, and 12,000 BTU

### **9RLFW1, 12RLFW1**

(COMPATIBLE ONLY WITH HFI WALL MOUNT UNIT)





Up to 23 SEER

12RLFW1

**Heat Pump** 

9RLFW1

Heat Pump

### **Standard Features**

Windows	Wireless	Remote	Control

Apple Catechin Filter

Ion Deoderizing Filter

Sleep Timer

24-Hour Timer

|© Weekly Timer\*

□ Dry Mode

Auto Louver: Up/Down

Auto Mode

Minimum Heat Mode

Economy Mode

Quiet Mode

R Auto Restart/Reset

Auto Changeover

Low Ambient Cooling

Cold Prevention

Remote Temp. Sensor\*

I/O 3<sup>rd</sup> Party Device Control\*\*

### **Built In Filtration**



decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine particle ceramic.

<sup>+</sup> The filter can be used for approximately 3 years if it is washed with water when dirty to restore it's surface action.





### Apple-Catechin Filter

Dust, mold spores and

micro-organisms are absorbed onto the filter by static electricity and growth is inhibited and deactivated. Filter lasts 3-12 months.

### **Optional Accessories**

- Wired Remote Controller: UTY-RVNUM\* Backlit and includes room temperature
- Wired Remote Controller: UTY-RNNUM\*
- Simple Remote Controller: UTY-RSNUM\*
- Dry Contact Wire Kit: UTY-XWZXZ5
- Interface Kit: UTY-XCBXZ2



**UTY-RVNUM** 

<sup>\*</sup> Wall mounted ASU9, 12RLF1 require accessory interface kit #UTY-XCBXZ2 in order to connect these devices to them.







<sup>\*</sup>Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.

megy 9.000 12,000 Nominal Cooling BTU/h 1,700~10,900 3,100~13,300 Min.~Max. Cooling BTU/h Nominal Heating BTU/h 12,000 16,000 Min.~Max. Heating BTU/h 1.700~15.000 3.100~19.100 HSPF BTU/hW 11.0 11.0 SEER BTU/hW 23.0 22.0 EER Clg 13.8 12.5 Clg. Operating Range °F(°C) 14~115 (-10~46) 14~115 (-10~46) Htg. Operating Range °F(°C) 5~75 (-15~24) 5~75 (-15~24) Moisture Removal Pt./h(l/h) 2.75 (1.3) 3.80 (1.8) Voltage/Frequency/Phase 208-230/60/1 208-230/60/1 MAX.CRT.BKR (A) 20 20 Air Circ. C.F.M. (m3/h): Hi 441 (750) 441 (750) 376 (640) 376 (640) Medium 282 (480) Clg 282 (480) Clg Low 306 (520) Htg 182 (310) Clg 306 (520) Htg 182 (310) Clg Quiet 194 (330) Htg 194 (330) Htg Noise Level dB(A) (Clg/Htg): Hi 43/43 43/43 40/38 Medium 40/38 32/33 Low 32/33 Quiet 21/22 21/22 Outdoor Noise Level dB(A) Clg/Htg 48/48 49/49 3.2/6.0 4.4/6.5 Current Rated/Max (A): Cooling 4.2/7.5 5.9/9.0 Heating Power Use Rated/Max (kw): Cooling 0.65/1.27 0.96/1.40 0.89/1.60 1.28/1.99 Heating 4+Auto 4+Auto Fan Speeds Stage Manual Manual Air Direction: Horizontal Automatic Automatic Vertical Washable Washable Air Filter Yes Yes Apple Catechin Filter Flare Flare Connection Method Combined Min. Lgth Ft (m) 10 (3) 10 (3) 66 (20.1) 66 (20.1) Combined Max. Lgth Ft (m) (pre-charge: 49') (pre-charge: 49') Max. Vertical Diff. Ft (m) 49 (15) 49 (15) Conn. Pipe Diameter Inch Suc. 3/8 Dis. 1/4 Suc. 3/8 Dis. 1/4 Net Weight Ibs. (kg) 18 (8) 60 (27) 18 (8) 80 (36) Dimensions: Height Inch 10-1/2 21-1/4 10-1/2 21-1/4 mm 268 540 268 540 Width Inch 33-1/16 26 33-1/16 31 mm 840 660 840 790 Depth Inch 8 11-7/16 8 11-7/16 203 290 203 290

Refrigerant

Note: Figures are based on 230 Volts.

AOU9RLFW1

R410A

Outdoor

AOU12RLFW1

Indoor ASU12RLF1

R410A

ASU9RLF1 Outdoor

<sup>\*</sup> Available only with optional wired remote controller.

<sup>\*\*</sup>Operation monitoring and On/Off control only.

# Wall Mounted HFI Single Zone 18, and 24,000 BTU

### 18RLXFW1, 24RLXFW1

(COMPATIBLE ONLY WITH HFI WALL MOUNT UNIT)





### **Standard Features**

Wireless	Wireless Remote Control
(á	Apple Catechin Filter

lon Deoderizing Filter

Sleep Timer

24-Hour Timer

Weekly Timer\*

Dry Mode

Auto Louver: 4-way

Auto Mode

Minimum Heat Mode

Economy Mode

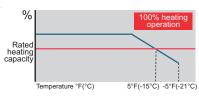
Quiet	Mode
 CJUIEL	IVICICIE

- Power Diffuser
- R Auto Restart/Reset
- Auto Changeover
- Low Ambient Cooling
- Long Piping Length
  Cold Prevention
- Remote Temp. Sensor\*
- Pump Down Operation
- 700 3rd Party Device Control\*\*

Expanded Heating Perform.

### **High Performance Heating Capacity**

Stay comfortable at low ambient temperatures! These systems can deliver 100% of rated heating capacity at 5°F (-15°C) and operates down to -5°F (-21°C).



### **Optional Accessories**

- Wired Remote Controller: UTY-RVNUM Backlit and includes room temperature
- Wired Remote Controller: UTY-RNNUM
- Simple Remote Controller: UTY-RSNUM
- Dry Contact Wire Kit: UTY-XWZX



UTY-RVNUM

### **#Adapter Fittings**

Supplied in outdoor unit to be installed on the indoor unit.











<sup>\*</sup>Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.

18RLXFW1 24RLXFW1 Heat Pump **Heat Pump** 18.000 22.000 Nominal Cooling BTU/h Min.~Max. Cooling BTU/h 7,000~23,000 9,900~27,300 Nominal Heating BTU/h 21,600 25,200 Min.~Max. Heating BTU/h 7.000~29.000 7.500~36.200 HSPF BTU/hW 10.5 10.6 SEER BTU/hW 20.0 19.5 EER Clg 13.3 12.5 Clg. Operating Range °F(°C) -5~115 (-20~46) -5~115 (-20~46) Htg. Operating Range °F(°C) -5~75 (-20~24) -5~75 (-20~24) Moisture Removal Pt./h(l/h) 5.9 (2.8) 6.3 (3.0) Voltage/Frequency/Phase 208-230/60/1 208-230/60/1 20 MAX.CRT.BKR (A) 30 659 (1,120) Clg Air Circ. C.F.M. (m3/h): Hi 541 (920) 677 (1,150) Htg 435 (740) 530 (900) Medium 435 (740) Low 365 (620) 306 (520) Clg Quiet 365 (620) 318 (540) Htg 49/49 Noise Level dB(A) (Clg/Htg): Hi 43/44 37/37 42/42 Medium 37/37 33/33 Quiet 28/28 33/33 47/50 54/55 Outdoor Noise Level dB(A) Clg/Htg 6.2/13.5 7.9/15.0 Current Rated/Max (A): Cooling 7.8/14.5 8.6/15.5 Heating 1.35/3.01 Power Use Rated/Max (kw): Cooling 1.76/3.42 1.80/3.23 2.38/3.53 Heating 4+Auto 4+Auto Fan Speeds Stage Automatic Automatic Air Direction: Horizontal Automatic Automatic Vertical Washable Washable Air Filter Yes Yes Apple Catechin Filter Connection Method Flare Flare 16 (5) Combined Min. Lgth Ft (m) 16 (5) 164 (50) 164 (50) Combined Max. Lgth Ft (m) (pre-charge: 66') (pre-charge: 66') Max. Vertical Diff. Ft (m) 98 (30) 98 (30) Conn. Pipe Diameter Inch Suc. 5/8# Dis. 3/8# Suc. 5/8# Dis. 3/8# Net Weight Ibs. (kg) 31 (14) 134 (61) 31 (14) 134 (61) Dimensions: Height Inch 12-5/8 32-3/4 12-5/8 32-3/4 mm 320 830 320 830 Width Inch 39-1/4 35-3/8 39-1/4 35-3/8 mm 998 900 998 900 Depth Inch 9 9 13 13 228 228 330 330 Refrigerant R410A R410A Indoor ASU18RLF Indoor ASU24RLF Outdoor AOU18RLXFW1 Outdoor AOU24RLXFW1

<sup>\*</sup> Available only with optional wired remote controller. 
\*\*Operation monitoring and On/Off control only.

# Wall Mounted High-Heat 18 and 24,000 BTU Systems

### SYSTEMS 18RLXFWH. 24RLXFWH

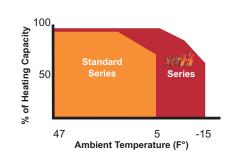


### Standard Features

- Wireless Remote Control
- Apple Catechin Filter
- Ion Deodorizing Filter
- Sleep Timer
- Weekly Timer
- Dry Mode
- Auto Louver: 4-Wav
- Auto Mode
- Minimum Heat (50°F/10°C)
- **Economy Mode**

- Quiet Mode (Indoor)
- Power Diffuser
- Auto Restart/Reset
- Auto Changeover
- Low Ambient Cooling
- Blue Fin Heat Exchanger
- Long Piping Length
- Base Pan Heater
- Third Party Device Control
- **Cold Prevention**

### **Improved Heating Capacity**



Heating capacity at low outdoor temperatures was improved by adopting a large heat exchanger and a high capacity compressor.

### **Base Pan Heater**

- Equipped with a base heater that prevents condensate from freezing
- Cultivated base design discharges melted water through many holes.
- Without a heater, freezing condensate can cause noise. damage to fan blade, condenser, and system performance





### **Optional Accessories**

- Wired Remote Controller: UTY-RVNUM Backlit and includes room temperature
- Wired Remote Controller: UTY-RNNUM
- Simple Remote Controller: UTY-RSNUM
- Dry Contact Wire Kit: UTY-XWZX







\*Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.

### 18,000 22,000 Nominal Cooling BTU/h Min.~Max. Cooling BTU/h 7,000~23,000 9,900~27,300 Nominal Heating BTU/h 21,600 25,200 Min.~Max. Heating BTU/h 7,000~29,000 7,500~36,200 HSPF BTU/hW 10 4 10.5 SEER BTU/hW 20.0 19.5 13.3 12.5 EER Clg Clg. Operating Range °F(°C) -5~115 (-20~46) -5~115 (-20~46) Htg. Operating Range °F(°C) -15~75 (-26~24) -15~75 (-26~24) Moisture Removal Pt./h(l/h) 59 (28) 63(30) Voltage/Frequency/Phase 208-230/60/1 208-230/60/1 MAX.CRT.BKR (A) 20 20 659 (1,120) / 541 (920) Air Circ. C.F.M. Clg/Htg (m3/h): Hi 677 (1,150) 435 (740) Medium 530 (900) 365 (620) 435 (740) Low 306 (520) / 365 (620) 318 (540) Noise Level dB(A) Clg/Htg: Hi 49/49 43/44 Medium 37/37 42/42 Low 33/33 37/37 Quiet 28/28 33/33 Outdoor Noise Level dB(A) Clg/Htg 47/50 54/55 6.2 7.9 Current Rated (A): Cooling 7.8 8.6 Heating Power Use Rated/Max (kw): Cooling 1.35/3.01 1.76/3.42 Heating 1.75/3.23 1.94/3.53 Fan Speeds Stage 4+Auto 4+Auto Air Direction: Horizontal Automatic Automatic Vertical Automatic Automatic Air Filter Washable Washable Connection Method Flare Flare Combined Min. Lgth Ft (m) 16 (5) 16 (5) 164 (50) 164 (50) Combined Max. Lgth Ft (m) (pre-charge: 65') Max. Vertical Diff. Ft (m) 98 (30) 98 (30) Conn. Pipe Diameter Inch Suc.3/8 Dis.5/8 Suc.3/8 Dis.5/8 Net Weight Ibs. (kg) 31 (14) 135 (61) 31 (14) 135 (61) 12-5/8 32-3/4 12-5/8 32-3/4 Dimensions: Height Inch 320 830 320 830 mm 35-3/8 39-1/4 35-3/8 Width Inch 39-1/4 998 900 998 900 mm Depth Inch 9 13 9 13 330 330 228 228

mm

R410A

Outdoor AOU18RLXFWH

R410A

Outdoor AOU24RLXFWH

Indoor ASU24RLF

Refrigerant

Note: Figures are based on 230 Volts.

Up to 20 SEER

18RLXFWH 24RLXFWH Heat Pump Heat Pump

# Wall Mounted High-Heat 30,000 BTU System

### SYSTEM 30RLXEH







30RLXEH Heat Pump

Surge

### Standard Features

- Wireless Remote Control
- (Apple Catechin Filter
- lon Deodorizing Filter
- Sleep Timer
- Weekly Timer
- Dry Mode
- Auto Louver: 4-Way
- Auto Mode
- Powerful Operation Mode
- Minimum Heat (50°F/10°C)
- **Economy Mode**
- Energy Saving Program

### Quiet Mode (Indoor)

- Low Noise Mode
- Power Diffuser
- R Auto Restart/Reset
- Auto Changeover
- Low Ambient Cooling
- Blue Fin Heat Exchanger
- Long Piping Length
- Base Pan Heater
- Third Party Device Control
- **Cold Prevention**
- **Pump Down Operation**

### **Extended Line Set**

Long piping lengths between indoor and outdoor units provides flexibility and increased applications.





### **Lock Out Function**

This feature is set by the contractor on behalf of the Commercial Property Owner to prevent either Cooling or Heating operation from occurring. This is not a function that can be set by a tenant, user, or home owner.

### Lead Lag Control<sup>^</sup>

- Alternate operation of systems
- Back up operation of redundant system

### Dual stage operation

## **Optional Accessories**

- Wired Touch Panel Remote Controller: UTY-RNRUZ1<sup>^</sup> Backlit and includes room temperature
- Wired Remote Controller: UTY-RVNUM<sup>^</sup> Backlit and includes room temperature
- Wired Remote Controller: UTY-RNNUM<sup>^</sup>
- Simple Remote Controller: UTY-RSNUM<sup>^</sup>
- Dry Contact Wire Kit: UTY-XWZX
- Interface Kit: UTY-XCSXZ1
- Interface Kit Box: UTZ-GXXB
- Outdoor Unit Input/Output Connector: UTY-XWZXZ3







this feature. This includes UTY-RNRUZ1. UTY-RVNUM, UTY-RNNUM, UTY-RSNUM.

^ Wired remotes cannot be used when using

Nominal Cooling BTU/h 30,000 Min.~Max. Cooling BTU/h 9,900~32,400 Nominal Heating BTU/h 32,000 Min.~Max. Heating BTU/h 8,000~37,500 HSPF BTU/hW 11.7 SEER BTU/hW 18.7 12.5 EER Clg Clg. Operating Range °F(°C) -5~115 (-20~46) Htg. Operating Range °F(°C) -15~75 (-26~24) Moisture Removal Pt./h(l/h) 9.7 (4.6) Voltage/Frequency/Phase 208-230/60/1 MAX.CRT.BKR (A) 30 Air Circ. C.F.M. Clg/Htg (m3/h): Hi 812 (1,380) 665 (1,130) Medium 536 (910) Quiet 418 (710) 50/49 Noise Level dB(A) Clg/Htg: Hi 45/44 Medium 38/38 Quiet 32/32 Outdoor Noise Level dB(A) Clg/Htg 53/54 Current Rated (A): Cooling 10.6 Heating 12.0 Power Use Rated/Max (kw): Cooling 2.40/3.83 Heating 2.74/4.28 4+Auto Fan Speeds Stage Air Direction: Horizontal Automatic Vertical Automatic Air Filter Washable Connection Method Flare Combined Min. Lgth Ft (m) 16 (5) 246 (75) Combined Max. Lgth Ft (m) (pre-charge: 65') Max. Vertical Diff. Ft (m) 98 (30) Conn. Pipe Diameter Inch Suc.3/8 Dis.5/8 Net Weight Ibs. (kg) 40 (18) 205 (93) Dimensions: Height Inch 13-3/8 50-13/16 340 1,290 mm Width Inch 45-1/4 35-3/8 mm 1.150 900 Depth Inch 11 13 330 mm 280 R410A Refrigerant

Outdoor AOU30RLXEH Indoor ASU30RLE

# Wall Mounted 18, 24, 30 and 36,000 BTU Heat Pumps

SYSTEMS 18RLB, 24RLB, 30RLXB, 36RLXB





18RLB



### **Function**

Stylish, slim and elegant, these wall mounted ductless heat pumps are designed for single rooms. Ideal for spaces requiring additional capacity but are limited on space. With more efficient zone control, "ductless mini-splits" are perfect for renovations, restorations, conversions, and add-ons.

### **Lock Out Function**

This feature is set by the contractor on behalf of the Commercial Property Owner to prevent either Cooling or Heating operation from occurring. This is not a function that can be set by a tenant, user, or home owner.

### Standard Features

Wireless Remote Control Apple Catechin Filter lon Deoderizing Filter Sleep Timer Auto Louver: 4-Way Auto Mode Minimum Heat Mode

**Economy Mode** Researt Auto Restart/Reset





Standard wireless remote control

### **Optional Accessories**

- Wired Remote Controller: UTY-RVNUM Backlit and includes room temperature
- Wired Remote Controller: UTY-RNNUM
- Simple Remote Controller: UTY-RSNUM
- Dry Contact Wire Kit: UTY-XWZX







<sup>\*</sup>Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.

	Heat	Pump	24	RLB	30B	I XR.	36RLXB			
		7								
		1114	Heat	Pump	пеат	Pump	Heat	Pump		
	LEARN PROFES	MORE AT STATIONY								
Nominal Cooling BTU/h	18,	000	24,	000	30,	000	33,	000		
Min.~Max. Cooling BTU/h	3,100~	-19,000	3,100~	-25,000	9,900~	32,400	9,900~	-34,100		
Nominal Heating BTU/h	18,	000	24,	000	30,	000	34,000			
Min.~Max. Heating BTU/h	7,000~	-20,000	7,500~	-27,000	8,000~	33,000	10,200	10,200~35,000		
HSPF BTU/hW	10	0.6	10	0.6	9	.0	9	9.0		
SEER BTU/hW	19	9.0	18	3.0	16	3.5	15	5.5		
EER Clg	12	2.5	10	0.0	9	.5	8	.5		
Clg. Operating Range °F(°C)	14~115	(-10~46)	14~115	(-10~46)	14~115	(-10~46)	14~115	(-10~46)		
Htg. Operating Range °F(°C)	5~75 (	-15~24)	5~75 (	-15~24)	5~75 (	-15~24)	5~75 (	-15~24)		
Moisture Removal Pt./h(I/h)	4.0	(1.9)	6.3	(3.0)	9.7	(4.6)	10.1	(4.8)		
Voltage/Frequency/Phase	208-2	30/60/1	208-23	30/60/1	208-23	30/60/1	208-23	30/60/1		
MAX.CRT.BKR (A)	1	15	2	20	3	0	3	30		
Air Circ. C.F.M. (m³/h): Hi	542	(920)		120) Clg 100) Htg		120) Clg 150) Htg	695 (	1,180)		
Medium	439	(740)	530	(900)	530	(900)	530	(900)		
Low	365	(620)	436	(740)	436	(740)	436	(740)		
Quiet	306	(520)	365	(620)	365	(620)	365	(620)		
Noise Level dB(A) (Clg/Htg): Hi	42	/43	47/47		47	/49	50	/50		
Medium	35	/36	41	/42	42	/42	42/42			
Low	31	/33	35	/36	37	/37	37/37			
Quiet	26	/28	31	/33	32	/33	32/33			
Outdoor Noise Level Clg/Htg dB(A)	51	/50	54	/55	52	/55	52	/55		
Current Rated/Max (A): Cooling	6.4	/8.3	10.5/11.8		13.8	/16.8	17.0	/18.0		
Heating	5.8	/11.8	8.5/13.8		12.3	/18.8	14.8/18.8			
Power Use Rated/Max (kw): Cooling	1.44	/1.89	2.40	/2.69	3.16	/3.83	3.88	/4.10		
Heating	1.29	/2.69	1.93	/3.14	2.80	/4.28	3.39	/4.28		
Fan Speeds Stage	4+/	Auto	4+Auto		4+Auto 4+Au		4+Auto		4+/	Auto
Air Direction: Horizontal	Auto	matic	Auto	matic	Auto	matic	Auto	matic		
Vertical	Auto	matic	Auto	matic	Auto	matic	Auto	matic		
Air Filter	Was	hable	Was	hable	Was	hable	Was	hable		
Connection Method	FI	are	Fl	are	Fla	are	Fla	are		
Combined Min. Lgth Ft (m)	10	(3)	10	(3)	16	(5)	16	(5)		
Combined Max. Lgth Ft (m)		(20)		(20)		(50)		(50)		
Max. Vertical Diff. Ft (m)		arge: 49') (15)		arge: 49') (15)		arge: 66') (30)		arge: 66') (30)		
Conn. Pipe Diameter Inch	Suc.1/2	Dis.1/4	Suc.1/2	Dis.1/4	Suc.5/8	Dis.3/8	Suc.5/8	Dis.3/8		
Net Weight Ibs. (kg)	31 (14)	86 (39)	31 (14)	86 (39)	31 (14)	134 (61)	31 (14)	134 (61)		
Dimensions: Height Inch	12-5/8	24-7/16	12-5/8	24-7/16	12-5/8	32-11/16	12-5/8	32-11/16		
mm	320	620	320	620	320	830	320	830		
Width Inch	39-5/16	31-1/8	39-5/16	31-1/8	39-5/16	35-7/16	39-5/16	35-7/16		
mm	998	790	998	790	998	900	998	900		
Depth Inch	9	11-7/16	9	11-7/16	9	13	9	13		
mm	228	290	228	290	228	330	228	330		
Refrigerant		10A	R4	10A	R4	10A	R4	10A		
	Indoor SU18RLB	Outdoor OU18RLB	Indoor SU24RLB	Outdoor OU24RLB	Indoor U30RLXB	Outdoor U30RLXB	Indoor U36RLXB	Outdoor U36RLXB		

# **Ceiling and Universal Floor/Ceiling Mounted Systems**

### SYSTEMS 18RULX, 24RULX, 36RSLX



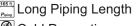


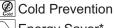
### **Function**

The 18RULX and the 24RULX are universal mount. They can mount low on the wall or transverse mount them on the ceiling. The 36RSLX can only be mounted on the ceiling, can take in fresh air and can throw air farther.

### **Standard Features**

- Wireless Remote Control Long Piping Length Sleep Timer
- ① 24 Hour Timer
- Dry Mode
- Auto Louver: 4 Way
- Auto Mode
- R Auto Restart/Reset
- Auto Changeover
- 0°F Ambient Cooling





Energy Saver\*

Remote Temp. Sensor\*

Daisy Chain

Pump Down Operation

High Ceiling Mode

Fresh Air Intake^



<sup>^</sup>Fresh air knockout available. Fresh air fan and ductwork field supplied. See Design and Technical Manual for details

### **Optional Accessories**

- Wired Remote Control UTY-RNBYU\*
  - Weekly Timer
  - Full Function Wired Remote
  - Child Lock Capable

\*Requires dip switch change on indoor unit.

- Condensate Pump UTR-DPB24T
  - OEM design plug and play
  - Rated for 11.8" of vertical lift.





### **Applications**

The universal mount 18RULX and 24RULX are ideal for a house of worship to mount beneath stained glass windows. Lower in height than the pews, they do not disturb the aesthetics of the space. With long piping lengths of 165' the outdoor units can also be placed remotely out of sight. Another popular application for this model is in hallways where wall space is limited. The 36RSLX is popular where fresh air intake and high capacity is required like a restaurant or bar. They are also often suspended from threaded rod and used in multiple to condition large warehouse spaces.







	18R	18RULX 2		24RULX		SLX	
	Heat	Pump		Pump	Heat Pump		
Nominal Cooling BTU/h	17.	800	22,200		34.	100	
Min.~Max. Cooling BTU/h	5,000~21,600 5,000~27,300		8,500~36,000				
Nominal Heating BTU/h		500		000	36,500		
Low Heating 17°F BTU/h		000		000		400	
Min.~Max. Heating BTU/h		-25,600		29,000	9,200~42,700		
HSPF BTU/hW		.5	8.5		8.5		
SEER BTU/hW	16	3.0	15.0		14.0		
EER Clg	10	0.9	9	.9	8	.1	
Clg. Operating Range °F(°C)	0~115	(-18~46)	0~115 (	-18~46)	0~115 (-18~46)		
Htg. Operating Range °F(°C)	14~75	(-10~24)	14~75 (-10~24)		14~75 (-10~24)		
Moisture Removal Pt./h(I/h)	5.3	(2.5)	7.4 (3.5)		7.4	(3.5)	
Voltage/Frequency/Phase		30/60/1		30/60/1	208-23	30/60/1	
MAX.CRT.BKR (A)		20	2	20	3	30	
Air Circ. C.F.M. (m³/h): Hi	459	(780)	518	518 (880)		1089 (1850)	
Medium	383	(650)	436 (740)		977 (1660)		
Low	324	(550)	371	(630)	842 (1430)		
Noise Level dB(A): Hi	43/43 (	Clg/Htg)	47/47 (	Clg/Htg)	48/48 (Clg/Htg)		
Medium	39/39 (Clg/Htg)		43/43 (Clg/Htg)		45/43 (Clg/Htg)		
Low	35/35 (Clg/Htg)		38/38 (Clg/Htg)		41/39 (Clg/Htg)		
Outdoor Noise Level dB(A)	51/53		53/55		54	/55	
Current Rated/Max (A): Cooling	7.1/12.5		9.8/12.5		18.3/18.8		
Heating	9.8/12.5		10.2	/12.5	15.3	/18.8	
wer Use Rated/Max (kw): Cooling	1.63/2.88		2.25	/2.88	4.22	/4.35	
Heating	2.25/2.88		2.35	/2.88	3.50	/4.35	
Fan Speeds Stage	3 +	Auto	3 +	Auto	3+.	Auto	
Air Direction: Horizontal	Auto	matic	Auto	matic	Auto	matic	
Vertical	Auto	matic	Automatic		Automatic		
Air Filter	Was	hable	Washable		Washable		
Front Grille	Perm	anent	Permanent		Permanent		
Connection Method	Fla	are	Flare		Flare		
Combined Min. Lgth Ft (m)		(5)	16 (5)		16 (5)		
Combined Max. Lgth Ft (m)	165	(50) arge: 49')	165 (50) (pre-charge: 49')		165 (50) (pre-charge: 49')		
Max. Vertical Diff. Ft (m)		(20)	66 (20)		98 (30)		
Conn. Pipe Diameter Inch		Dis. 1/4	Suc.5/8	Dis. 3/8		Dis. 3/8	
Net Weight lbs. (kg)	62 (28)		62 (28)	141 (64)			
Dimensions: Height Inch	7-7/8	32-3/4	7-7/8	32-3/4	9-1/2	32-3/4	
mm	199	830	199	830	240	830	
Width Inch	39-1/8	35-1/2	39-1/8	35-1/2	65-1/2	35-1/2	
mm	990	900	990	900	1660	900	
Depth Inch	25-7/8	13	25-7/8	13	27-5/8	13	
mm			655 330		700	330	
Refrigerant	R4	10A	R410A		R410A		
	Indoor 3U18RULX	Outdoor OU18RLX	Indoor 3U24RULX	Outdoor OU24RLX	Indoor 3U36RSLX	Outdoor OU36RLX	

# Floor Mount Single Zone 9, 12 and 15,000 BTU Systems

SYSTEMS 9RLFF, 12RLFF, 15RLFF





### Floor mount systems are ideal for residential radiator replacements or any room with limited upper wall space.





At less than 24" high and 30" wide, floor mount models fit easily under a standard window and can replace a radiator twice its size while producing more capacity.

### Standard Features for RLFF and RLFFH Models

Wireless Remote Control

Apple Catechin Filter Ion Deoderizing Filter

Sleep Timer

Beneath

24-Hour Timer

Auto Louver: Up/Down

standard window concave portion

Flexible and Easy Installation

Standard

Auto Mode

Minimum Heat Mode

Half concealed\*

**Economy Mode** Auto Restart/Reset

**Auto Changeover** 

Powerful Mode

Wall

Nominal Cooling BTU/h Min.~Max. Cooling BTU/h Nominal Heating BTU/h Min.~Max. Heating BTU/h HSPF BTU/hW

SEER BTU/hW EER Clg

Clg. Operating Range °F(°C) Htg. Operating Range °F(°C) Moisture Removal Pt./h(I/h) Voltage/Frequency/Phase

MAX.CRT.BKR (A)

Air Circ. C.F.M. (m3/h): Hi

Medium Low

Quiet Noise Level dB(A)Clg/Htg: Hi

Medium

Outdoor Noise Level dB(A) Clg/Htg Current Rated (A): Cooling

Heating

Power Use Rated (kw): Cooling Heating

> Fan Speeds Stage Air Direction: Horizontal

Vertical Air Filter

Apple Catechin Filter Ion Deoderizing Filter Connection Method Combined Min. Lgth Ft (m)

Field supplied insulation required Combined Max. Lgth Ft (m)

### Accessories for RLFF and RLFFH Models

Wired Remote Controller: UTY-RVNUM

Wired Remote Controller: UTY-RNNUM

Simple Remote Controller: UTY-RSNUM

Dry Contact Wire Kit: UTY-XWZXZ5



Depth Inch Refrigerant

	SILL		1211		131			
	Heat F	ump	Heat F	ump	Heat I	Pump		
	energ	TW	energ	T.	ener	版		
	LEARN N Whorpys	DAE AT	LEARN M Whorpys	DREAT SALUGY	LEARN	MORE AT		
BTU/h	9,0	00	12,0	000	14,2	200		
BTU/h	3,100~	13,000	3,100~	14,300	3,100~17,700			
BTU/h	12,0	000	16,0	000	18,000			
BTU/h	3,100~	18,800	3,100~2	22,100	3,100~23,900			
TU/hW	12	.6	11	.6	11.2			
TU/hW	26	.0	22	.7	20.3			
R Clg	16	.0	13	.1	12.5			
°F(°C)	14~115 (	-10~46)	14~115 (	-10~46)	14~115 (-10~46)			
°F(°C)	-5~75 (-	21~24)	-5~75 (-	21~24)	-5~75 (-21~24)			
t./h(l/h)	2.75	(1.3)	3.8 (	1.8)	4.44	(2.1)		
Phase	208-23	0/60/1	208-23	0/60/1	208-23	0/60/1		
KR (A)	1:		1:		2	0		
³/h): Hi	335 (	570)	335 (	570)	383 (	383 (650)		
edium	271 (		271 (		306 (520)			
Low	212 (		212 (		235 (400)			
Quiet	159 (		159 (		159 (270)			
Чtg: Ні	40/		40/40		44/43			
edium	35/		35/		38/37			
Low	29/		29/		31/29			
Quiet	23/		23/		23/			
Clg/Htg	50/50		52/		54/			
ooling	2.9		4.		5.			
eating	4.1		6.		7.			
ooling	.5		.9		1.			
eating	.8		1.4	• •	1.58 4+Auto			
Stage	4+A		4+A					
zontal	Mar		Man		Manual			
'ertical	Au		Au		Auto			
Filter	Wash		Wash		Washable			
Filter	Ye		Ye		Yes			
Filter	Ye Fla		Ye		Yes			
lethod			Fla		Flare 10 (3)			
Ft (m)	10 66 (		10 (3) 66 (20)		66 (			
Ft (m)	(pre-cha	zo) rge: 49')	(pre-charge: 49')		(pre-cha	rge: 49')		
Ft (m)	49 (		49 (15)		49 (			
er Inch			Suc. 3/8			Dis. 1/4		
s. (kg)	31 (14)	84 (38)	31 (14)	84 (38)	31 (14)	86 (39)		
ht <i>Inch</i>	23-5/8	24-7/16	23-5/8		23-5/8			
mm	600	620	600	620	600	620		
th <i>Inch</i>	29-1/8	31-1/8	29-1/8	31-1/8	29-1/8	31-1/8		
mm	740	790	740	790	740	790		
th <i>Inch</i>	7-7/8	11-7/16	7-7/8	11-7/16	7-7/8	11-7/16		
mm	200	290	200	290	200	290		
igerant	R41	0A	R41	0A	R4′	IOA		

Low Temperature Heating Down to -5°F

12RLFF



Backlit and includes room temperature







<sup>\*</sup>Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.

Note: Figures are based on 230 Volts.

**4OU15RLFF** 

# Floor Mount Single Zone 9, 12 and 15,000 BTU Systems

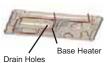
### SYSTEMS 9RLFFH, 12RLFFH, 15RLFFH



### Base Pan Heater RLFFH Models Only

- Equipped with a base heater that prevents condensate from freezing
- Cultivated base design discharges melted water through many holes.
- Without a heater, freezing condensate can cause noise, damage to fan blade, condenser, and system performance.





Fujitsu	Competitor	Competitor
Base		
Drain Hole	P(()) 8	
Drain hole is not filled.	Freezing where there	Drain hole is closed.

Condition: Indoor temp. of 68°FDB / outdoor temp. of 5°FDB, Heating mode, High airflow volume. Operation for 24 hours.

is no heater

### 2-Fan and Wide Airflow

no freezing of base

Having both upper and lower airflow quickly warms or cools the entire room. Floor mount can be set in "Upward Airflow Only" when occupants wish not to have feet warmed or cooled.



large freezing of base

### **Applications**



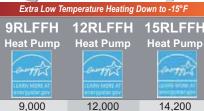






\*Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.

## Up to 26 SEER



Nominal Heating BTU/h
Min.~Max. Heating BTU/h
HSPF BTU/hW
SEER BTU/hW
EER Clg
Clg. Operating Range °F(°C)
Htg. Operating Range °F(°C)

Nominal Cooling BTU/h

Min.~Max. Cooling BTU/h

Moisture Removal Pt./h(l/h)
Voltage/Frequency/Phase
MAX.CRT.BKR (A)

MAX.CRT.BKR (A)
Air Circ. C.F.M. (m³/h): Hi
Medium

Low Quiet Noise Level dB(A)Clg/Htg: Hi

Medium Low Quiet

Outdoor Noise Level dB(A) Clg/Htg Current Rated (A): Cooling Heating

Power Use Rated (kw): Cooling Heating

Fan Speeds Stage
Air Direction: Horizontal
Vertical

Air Filter
Apple Catechin Filter
Ion Deoderizing Filter
Connection Method
Combined Min. Lgth Ft (m)

Combined Max. Lgth Ft (m)

Max. Vertical Diff. Ft (m)

Conn. Pipe Diameter Inch

Net Weight *lbs. (kg)* Dimensions: Height *Inch* 

> Width Inch mm Depth Inch mm Refrigerant

9,0	00	12,0	000	14,200			
3,100~	13,000	3,100~14,300		3,100~17,700			
12,0	000	16,0	000	18,000			
3,100~	18,800	3,100~	19,500	3,100~20,800			
12	.4	11	.3	11.0			
26	.0	22	.7	20.3			
16	.0	13	.1	12.5			
14~115 (	-10~46)			14~115 (-10~4			
-15~75 (-	-26~24)	-15~75 (	-26~24)	-15~75 (-26~24			
2.75	(1.3)	3.8 (	1.8)	4.44 (2.1)			
208-23	0/60/1	208-23					
15	5	1:	5	2	0		
335 (	570)	335 (	570)	383 (650)			
271 (		271 (	460)	306 (	520)		
212 (	360)	212 (		235 (	400)		
159 (	270)	159 (	270)	159 (	270)		
40/	40	40/	40	44/	43		
35/	35	35/	35	38/	37		
29/	29	29/	29	31/	29		
23/	23	23/	23	23/23			
50/	50	52/	52	54/54			
2.	9	4.	2	5.1			
4.1 6			.7 7.0				
.5		.9		1.1			
.8	8	1.4	14	1.5			
4+A		4+A	uto	4+A	uto		
Man		Man	iual	Mar			
Au		Au		Au			
Wash		Wash		Wash			
Ye		Ye		Yes			
Ye		Ye		Yes			
Fla		Fla		Flare			
10 (	` '	10		10 (3)			
66 (	20)	66 (	20)	66 (20) (pre-charge: 49'			
49 (	96. 4 <i>3 )</i> 15)	49 (		49 (15)			
				Suc. 1/2			
		31 (14)					
	24-7/16		24-7/16		24-7/16		
600	620	600	620	600	620		
29-1/8	31-1/8	29-1/8	31-1/8	29-1/8	31-1/8		
740	790	740	790	740	790		
7-7/8	11-7/16	7-7/8	11-7/16	7-7/8	11-7/16		
200	290	200	290	200	290		
R41	0A	R41	0A	R41			
Indoor J9RLF	utdoor	Indoor 12RLF	utdoor	Indoor 15RLF	utdoor		

# Slim Duct Single Zone 9, 12 and 18,000 BTU Systems

SYSTEMS 9RLFCD, 12RLFCD, 18RLFCD







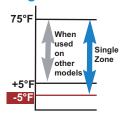


### **Function**

Slim ducts provide comfort cooling or heating for small room applications. Features include high efficiency up to 21.5 SEER, heating at low temperatures down to -5°F, compact design, quiet operation, a standard wired remote control, and the ability to bring in fresh air.

### **High Performance Heating**

Heating capacity at low outdoor temperatures is achieved by adopting a large heat exchanger and a high capacity compressor. Systems operate down to -5°F.



### **Standard Features**

- Wired Remote Control
- Weekly Timer
- Dry Mode
- Auto Mode
- Economy Mode
- Minimum Heat\*
- Auto Restart/Reset
  \*Available only with optional wireless remote controller.

^Operation monitoring and On/Off control only.

- Auto Changeover
- Low Ambient Cooling
- Cold Prevention
- Daisy Chain
- Built-In Condensate Pump
- I/O 3°Pan Party Device Control

### **Applications**

Long maximum combined piping length of 66' and 49' in height allow for versatile installations. Flexible installation, either horizontal or vertical, and low height enables compact soffit or cabinet installation. These features make slim duct systems ideal for commercial applications such as offices, restaurants, convenience stores, motels, dorms, in retrofit and new construction.







Multi-Tenant Dwellings

Hotels / Motels

Dorms

### **Optional Accessories**

- Backlit Wired Remote Control UTY-RVNUM Displays room temp.
- Wireless Remote and Receiver Unit UTY-LRHUM



UTY-RVNUM

### **System Components**

### System 9RLFCD System 12RLFCD

- ARU9RLF (Indoor)
- AOU9RLFC (Outdoor)
- ARU12RLF (Indoor)
- AOU12RLFC (Outdoor)
- System 18RLFCD
  - ARU18RLF
     (Indoor)
  - AOU18RLFC (Outdoor)

## **Field Supplied Filters Used With Slim Duct Units**

Although Slim Duct units come with factory filters, when return ductwork is used field supplied filters are more practical to use. They can be installed at the unit or for more convenient servicing, in filter grilles. See the guidelines to the right to determine filter sizes.

The chart includes CFM, external static pressure capability and a typical filter size for each model. Filters are sized to keep velocities and static pressure loss low. This will ensure sufficient static pressure is available for ductwork, fittings and supply and return grilles.



Alternative filter sizes with equivalent face areas can be used. After deducting filter loss, available static pressure values are shown.

A fiberglass filter is shown in blue to the left. A MERV pleated filter is shown in white.

ARU	ARU	ARU			
9RLF	12RLF	18RLF			
353	383	547			
12 x 20	12 x 20	14 x 25			
212	230	228			
0.36	0.36	0.36			
1" Fiberglass Filter					
0.04	0.05	0.04			
0.32	0.31	0.32			
1" MERV 8 Pleated Filter					
0.12	0.14	0.14			
0.24	0.22	0.22			
2" MERV 8 Pleated Filter					
0.07	0.08	0.08			
0.29	0.28	0.28			
	9RLF 353 12 x 20 212 0.36 1" Fil 0.04 0.32 1" MER 0.12 0.24 2" MER 0.07	9RLF 12RLF 353 383 12 x 20 12 x 20 212 230 0.36 0.36 1" Fiberglass 0.04 0.05 0.32 0.31 1" MERV 8 Pleate 0.12 0.14 0.24 0.22 2" MERV 8 Pleate 0.07 0.08			

### **Slim Duct**

Built-in drain pump allows for installation of slim duct unit in smaller spaces than traditional units.

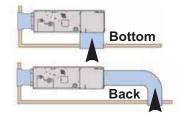
### Traditional



### **Compact Duct**



### **Return Air-intake Choices**



### Flexible Installation

Horizontal or vertical.





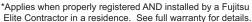
\*Internal drain pump will not operate when the unit is mounted in a vertical configuration.











### 9RLFCD 12RLFCD **Heat Pump Heat Pump** 18RLFCD **Heat Pump** Nominal Cooling BTU/h 9,000 12,000 18,000 Min~Max Cooling BTU/h 3,100~13,600 3,100~12,000 3,100~20,100 12,000 16,000 21,600 Nominal Heating BTU/h Min~Max Heating BTU/h 3,100~18,000 3,100~19,400 3,100~25,600 12.2 **HSPF** 11.5 11.3 **SEER** 21.5 19.7 20.0 EER Clg 14.5 12.8 12.0 Cooling Operating Range °F(°C) 14~115 (-10~46) 14~115 (-10~46) 14~115 (-10~46) Heating Operating Range °F(°C) -5~75 (-21~24) -5~75 (-21~24) -5~75 (-21~24) Moisture Removal Pt./h(l/h) 1.5 (.07) 2.7 (1.3) 4.2 (2.0) 208-230/60/1 208-230/60/1 208-230/60/1 Voltage/Frequency/Phase 15 15 20 MAX.CRT.BKR (A) Static Pressure In. W. C. 0 ~ 0.36 0 ~ 0.36 0 ~ 0.36 353 (600) 383 (650) 554 (940) Air Circ. C.F.M. (m3/h) Clg/Htg: Hi 324 (550) 353 (600) 518 (880) Medium 294 (500) 483 (820) 324 (550) Low Quiet 265 (450) 283 (480) 442 (750) Noise Level dB(A) (Clg/Htg): Hi 28/28 29/29 32/32 Medium 27/26 30/30 28/28 Low 26/25 27/27 29/29 Quiet 25/24 27/27 26/24 Outdoor Noise Level Clg/Htg 48/49 49/50 54/55 Running Current Rated (A)Clg/Htg 3.0/3.9 4.4/6.0 6.6/7.3Power Use Rated/Max (kW): Cooling 0.62/1.40 0.94/1.45 1.50/2.15 Heating 0.85/1.80 1.30/2.00 1.67/2.60 Fan Speeds Stage 4 + Auto 4 + Auto 4 + Auto Air Filter Washable Washable Washable Connection Method Flare Flare Flare Combined Min. Length Ft (m) 10 (3) 10 (3) 10 (3) 66 (20) 66 (20) 66 (20) Combined Max. Length Ft (m) (pre-charge: 49') (pre-charge: 49') (pre-charge: 49') Max. Vertical Diff. Ft (m) 49 (15) 49 (15) 49 (15) suc 3/8 dis 1/4 suc 3/8 dis 1/4 suc 1/2 dis 1/4 Conn. Pipe Diameter Inch 41 (19) 41 (19) 50 (23) Indoor Unit Net Weight Ibs. (kg) 84 (38) 84 (38) 86 (39) Outdoor Unit Net Weight Ibs. (kg) Indoor Unit Dimensions: Height Inch (mm) 7-25/32 (198) 7-25/32 (198) 7-25/32 (198) 27-9/16 (700) 27-9/16 (700) 35-7/16 (900) Width Inch (mm) 24-13/32 (620) 24-13/32 (620) 24-13/32 (620) Depth Inch (mm) Supply Duct Flange 5-15/16 (151) 5-15/16 (151) 5-15/16 (151) Dimensions: Height Inch (mm) Width Inch (mm) 25-19/32 (650) 25-19/32 (650) 33-15/32 (850) 3/4 (19) 3/4 (19) 3/4 (19) Depth Inch (mm) Return Duct 6 (152) 6 (152) 6 (152) Dimensions: Height Inch (mm) 30 (762) 22 (559) 22 (559) Width Inch (mm) 3/4 (19) (Flat) 3/4 (19) (Flat) 3/4 (19) (Flat) Depth Inch (mm) 24-1/2 (620) 24-1/2 (620) Outdoor Unit Dimensions: Height Inch (mm) 24-1/2 (620) Width Inch (mm) 31-3/32 (790) 31-3/32 (790) 31-3/32 (790) Depth Inch (mm) 11-11/32 (290) 11-11/32 (290) 11-11/32 (290) R410A R410A R410A Refrigerant

# Compact Cassette Single Zone 9, 12 and 18,000 BTU

SYSTEMS 9RLFCC, 12RLFCC, 18RLFCC



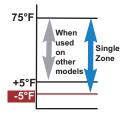


### **Function**

Compact cassettes provide comfort cooling or heating for small room applications. Features include high efficiency up to 24.0 SEER, heating at low temperatures down to -5°F, compact design, quiet operation, a standard wired remote control, and the ability to bring in fresh air through the optional Fresh Air Kit.

### **High Performance Heating**

Heating capacity at low outdoor temperatures is achieved by adopting a large heat exchanger and a high capacity compressor. Systems operate down to -5°F.



### **Standard Features**

- Wired Remote Control
- Weekly Timer
- Dry Mode
- Auto Louver: Up/ Down
- Auto Mode
- | Minimum Heat\*
- Economy Mode
- Auto Restart/Reset
- Auto Changeover
- Low Ambient Cooling
- Cold Prevention
- Daisy Chain
- High Ceiling Mode
- Condensate Pump
- Fresh Air Intake\*\*
- 3rd Party Device Control

# Co

Fresh Air Kit\*\*
UTZ-VXAA

Mixes room air then passes through the heat exchanger.

### **Optional Accessories**

- Backlit Wired Remote Control UTY-RVNUM Displays room temp.
- Wireless remote UTY-LNHUM



UTY-RVNUM

### **Applications**

Long maximum combined piping length of 66' and 49' in height allow for versatile installations. 4-way airflow, concealed flush mount design and the ability to operate in limited space above the drop ceiling, makes these systems ideal for commercial applications such as offices, restaurants, convenience stores, motels, dorms, in retrofit and new construction.



Multi-Tenant Hotels / M



Multi-Tenant
Dwellings

Hotels / Motels

Dorms



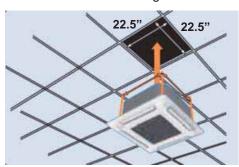
### **System Components**

### System 9RLFCC System 12RLFCC System 18RLFCC

- AUU9RLF (Indoor)
- AOU9RLFC (Outdoor)
- AUU12RLF (Indoor)
- AOU12RLFC (Outdoor)
- AUU18RLF
   (Indoor)
- AOU18RLFC (Outdoor)
- \* Available only with optional wireless remote control.
- \*\*Requires Fujitsu's Optional Fresh Air Kit part #UTZ-VXAA. Allows for a 4-inch flex duct connection. Requires a field supplied duct booster fan capable of 60 CFM at .2"W.C. or 90 CFM at .4"W.C. For fan static pressure requirements, see installation manual. Add hood, filter and duct losses for fan total static pressure requirements. Will add 4" to the height of the indoor unit.
- ^ Operation monitoring and On/Off control only.

### **Easy Installation**

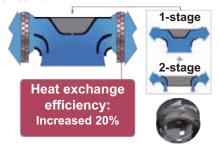
Fits into a standard ceiling tile\*.



\*Dimensions of outer grille are 27-9/16" x 27-9/16" and may overlap adjacent tiles.

### 2-Stage Turbo Fan

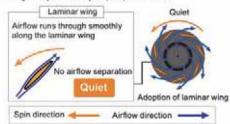
Air distribution is evenly spread across the heat exchanger by the 2 stage turbo fan which produces two separate airflow streams.



### **Quiet Operation**

Optimization of wing form (laminar wing design) and number of wings (7 blades) enables as low as 27 dB.











<sup>\*</sup>Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.

	9RLFCC	12RLFCC	18RLFCC
	Heat Pump	Heat Pump	Heat Pump
	LEADY GETTE AT	LE MARIA BELLEVI PAR BERNEVERSELLE DEVE	
Nominal Cooling BTU/h	9,000	12,000	18,000
Min~Max Cooling BTU/h	3,100~12,000	3,100~13,600	3,100~20,100
Nominal Heating BTU/h	12,000	16,000	21,600
Min~Max Heating BTU/h	3,100~18,000	3,100~19,400	3,100~25,600
HSPF	13.0	12.2	11.5
SEER	24.0	21.9	20.1
EER Clg	14.5	12.8	11.2
Cooling Operating Range °F(°C)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)
Heating Operating Range °F(°C)	-5~75 (-21~24)	-5~75 (-21~24)	-5~75 (-21~24)
Moisture Removal Pt./h(l/h)	1.3 (.06)	2.5 (1.2)	4.6 (2.2)
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1
MAX.CRT.BKR (A)	15	15	20
Air Circ. C.F.M. (m³/h): Hi	318 (540)	359 (610)	400 (680) Clg
7 til 0110. 0.1.1wi. (111/11). 1 11	Clg or Htg	Clg or Htg	471 (800) Htg
Medium	288 (490) Clg or Htg	312 (530) Clg or Htg	341 (580) Clg 400 (680) Htg
Low	259 (440)	277 (470)	288 (490) Clg
LOW	Clg or Htg	Clg or Htg	341 (580) Htg
Quiet	230 (390)	241 (410)	241 (410) Clg
Noise Level dB(A) Clg/Htg: Hi	Clg or Htg	Clg or Htg	265 (450) Htg
Medium	33/34	37/37	40/44
Low	32/32	33/33	36/40
Quiet	29/29	31/31	32/36
Outdoor Noise Level Clg/Htg	28/27 48/49	28/28 49/50	28/30 54/55
Running Current Rated (A): Cooling			
Heating	3.0 4.1	4.4 6.7	7.1
Power Use Rated/Max (kW): Clg	0.62/1.40	0.94/1.45	1.61/2.15
Heating	0.89/1.80	1.44/2.00	1.76/2.60
Fan Speeds Stage	4+auto	4+auto	4+auto
Air Direction: Vertical	Automatic	Automatic	Automatic
Air Filter	Washable	Washable	Washable
Front Grille	UTG-CCGF*	UTG-CCGF*	UTG-CCGF*
Connection Method	Flare	Flare	Flare
Conn. Pipe Diameter Inch	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 1/2 dis 1/4
Combined Min. Length Ft (m)	10 (3)	10 (3)	10 (3)
Combined Max. Length Ft (m)	66 (20)	66 (20)	66 (20)
	(pre-charge: 49')	(pre-charge: 49')	(pre-charge: 49')
Max. Vertical Diff. Ft (m)	49 (15)	49 (15)	49 (15)
Indoor Unit Net Weight Ibs. (kg)	33 (15)	33 (15)	33 (15)
Outdoor Unit Net Weight Ibs. (kg)	84 (38)	84 (38)	86 (39)
Indoor Unit Dim: Height Inch (mm)	9-11/16 (245)	9-11/16 (245)	9-11/16 (245)
Width Inch (mm)	22-7/16 (570)	22-7/16 (570)	22-7/16 (570)
Depth Inch (mm)	22-7/16 (570)	22-7/16 (570)	22-7/16 (570)
Grille Dim: Height Inch (mm)	1-15/16 (49)	1-15/16 (49)	1-15/16 (49)
Width Inch (mm)	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)
Depth Inch (mm)	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)
Outdoor Unit Dim: Height Inch (mm)	24-1/2 (620)	24-1/2 (620)	24-1/2 (620)
Width Inch (mm)	31-3/32 (790)	31-3/32 (790)	31-3/32 (790)
Depth Inch (mm)	11-11/32 (290)	11-11/32 (290)	11-11/32 (290)
Refrigerant	R410A	R410A	R410A

<sup>\*</sup> Compact Cassette Grille UTG-CCGF sold separately. Must order one with each compact cassette.

# **Ceiling Cassette Systems**

SYSTEMS 18RCLX, 24RCLX, 36RCLX, 42RCLX





Up to 16.0 SEER

### **Function**

Up to 16-SEER, these models provide up to 30% increase in efficiency over 13-SEER models. These models offer the ability to send up to 38% of their capacity through two branch ducts to adjacent rooms. Slender fit feature now offered on all models decreases space required above the ceiling increasing application opportunities.

### Standard Features

Weekly Timer

Dry Mode

Auto Louver: Up/ Down

Auto Mode

Energy Saver

R Auto Restart/Reset

Auto Changeover

0°F Ambient Cooling

Long Piping Length

Cold Prevention

Slender Fit

Remote Temp. Sensor

Daisy Chain

Pump Down Operation

High Ceiling Mode

Branch Duct Capable

Built-in Condensate Pump

Fresh Air Intake\*

### • Set different on-o

· Weekly timer





· Set time in 5 minute intervals

• Control up to 16 indoor units

· Child lock capable

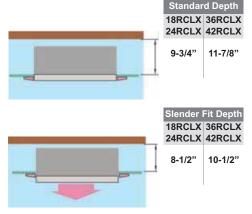
· Remote temperature sensor

# Standard Wired Remote



### **Applications**

Four-way airflow, concealed flush mount design and the ability to operate in high ceiling rooms makes these systems ideal for commercial applications such as offices, conference rooms, restaurants, night clubs and bars in retrofit and new construction. Long maximum combined piping lengths of 165 to 230 feet with 60 to 98 feet of height, depending on model, allow the outdoor unit to be remotely located up to 7 stories away and far from indoor unit. The ceiling cassettes are also used in new construction condominiums and homes taking advantage of their branch duct capability to feed adjacent rooms. These heat pumps provide up to 30% additional available heat when compared to conventional models.



### **Slender Fit**

Cassette body can be moved downward into the room 1-3/8" to accommodate limited ceiling space.

<sup>\*</sup>Fresh air knockout available. Fresh air fan and ductwork field supplied. See design and technical manual for details. Fujitsu fresh air intake kit available part #KHRS940-25.







Fujitsu provides knock-outs on all ceiling cassettes where contractors can:

- Install optional field supplied branch ducts on up to two sides to supply up to 18% capacity per side to adjoining spaces up to 16 feet away. See Design and Technical Manual for details.
- Allows fresh air to be brought into the indoor unit using fresh air knockout.

	18R	CLX	24R	CLX	36R	CLX	42R	CLX	
	Heat	Pump	Heat	Pump	Heat	Pump	Heat	Pump	
Nominal Cooling BTU/h	17,800		22,200		34,100		42,700		
Min.~Max. Cooling BTU/h	5,000	-21,500	5,000~27,300		8,500~36,000		13,700~45,000		
Nominal Heating BTU/h	21	,000	24,200		36,000		45,200		
Low Temp. Heating 17°F BTU/h	11	,300	14,	600	23,000		28,200		
Min.~Max. Heating BTU/h	5,000	-25,600	5,000~	29,000	9,200~42,700		14,300~54,600		
HSPF BTU/hW	8	3.5	8	.5	8.5		8.5		
SEER BTU/hW	1	6.0	15	5.0	14.0		15.0		
EER Clg		1.1	10.6		8.1		9.2		
Clg. Operating Range °F(°C)		(-18~46)	0~115 (-18~46)		0~115 (-18~46)		0~115 (-18~46)		
Htg. Operating Range °F(°C)	14~75	(-10~24)	14~75 (	(-10~24)	14~75 (-10~24)		0~75 (	-18~24)	
Moisture Removal Pt./h(l/h)		(2.5)		(3.0)	8.5 (4.0)			(5.5)	
Voltage/Frequency/Phase		30/60/1		30/60/1		30/60/1		30/60/1	
MAX.CRT.BKR (A)		20		.0		0		30	
Air Circ. C.F.M. (m³/h): Hi		(950)	,	1,050)		1,600)		(1,700)	
Medium		(810)		(910)	824 (1,400)			1,450)	
Low		(670)		436 (740)		677 (1,150)		736 (1,250)	
Noise Level dB(A): Hi		Clg/Htg)	45/43 (Clg/Htg)		48/48 (Clg/Htg)		50/50 (Clg/Htg)		
Medium .		Clg/Htg)	43/39 (Clg/Htg)		45/45 (Clg/Htg)		48/48 (Clg/Htg)		
Low		Clg/Htg)	38/35 (Clg/Htg)		41/41 (Clg/Htg)		44/44 (Clg/Htg)		
Outdoor Noise Level dB(A)		Clg/Htg)	53/55 (Clg/Htg)		54/55 (Clg/Htg)		55/56 (Clg/Htg)		
Current Rated/Max (A): Cooling	7.0/12.5		9.2/12.5		18.3/18.8		20.3/21.7		
Heating	8.9/12.5		10.4	/12.5	16.1/18.8		18.8/21.7		
Power Use Rated/Max (kw): Clg	1.61/2.88		2.10	/2.88	4.22/4.35		4.66/4.99		
Heating	2.05/2.88		2.37	/2.88	3.70	/4.35	4.31	/4.99	
Fan Speeds Stage	3 + Auto		3 +	Auto	3 + /	Auto	3 +	Auto	
Air Direction: Horizontal		-		-	-			-	
Vertical	Auto	matic	Automatic		Automatic		Automatic		
Air Filter	Was	hable	Washable		Washable		Washable		
Front Grille	Rem	ovable	Removable		Removable		Removable		
Connection Method	FI	are	Flare		Flare		Flare		
Combined Min. Lgth Ft (m)	16	(5)	16 (5)		16 (5)		16	(5)	
Combined Max. Lgth Ft (m)		0) Each arge: 49')	165 (50) Each (pre-charge: 49')		165 (50) Each (pre-charge: 49')		230 (70) Each (pre-charge: 66)		
Max. Vertical Diff. Ft (m)	66	(20)	66	(20)	98 (30)		98 (30)		
Conn. Pipe Diameter Inch	Suc. 1/2	Dis. 1/4	Suc. 5/8	Dis. 3/8	Suc. 5/8	Dis. 3/8	Suc. 5/8	Dis. 3/8	
Net Weight Ibs. (kg)	75 (34)	141 (64)	75 (34)	141 (64)	82 (37)	141 (64)	88 (40)	231 (105)	
Dimensions: Height Inch	9-3/4	32-3/4	9-3/4	32-3/4	11-5/8	32-3/4	11-5/8	50-7/8	
mm	246	830	246	830	296	830	296	1290	
Width Inch	32-3/4	35-1/2	32-3/4	35-1/2	32-3/4	35-1/2	32-3/4	35-1/2	
mm	830	900	830	900	830	900	830	900	
Depth Inch	32-3/4 13		32-3/4	13	32-3/4	13	32-3/4	13	
mm	830	330	830 330		830 330		830	330	
Refrigerant		10A	R410A		R410A		R410A		
	Indoor \UU18RCLX	Outdoor AOU18RLX	Indoor \UU24RCLX	Outdoor AOU24RLX	Indoor \UU36RCLX	Outdoor AOU36RLX	Indoor \UU42RCLX	Outdoor AOU42RLX	







# MULTI ZONE MINI-SPLIT SYSTEMS

- Operate as few as one indoor unit or all indoor units
- Choose from 4 indoor unit styles wall mount, slim duct, compact cassette, and floor mount
- Eight combinations are ENERGY STAR® qualified
- Create over thousands of combinations based on indoor type and BTU



- Connect 2 to 5 indoor units, depending on model
- Connect 14,000 to 54,000 BTU
- No branch boxes or separation tubes required



18, 24, 36,000 BTUs

- Connect 2 to 4 indoor units, depending on model
- Connect 14,000 to 39,000 BTU
- eXtra Low Temp Heating down to -15°F outdoor temps
- No branch boxes or separation tubes required



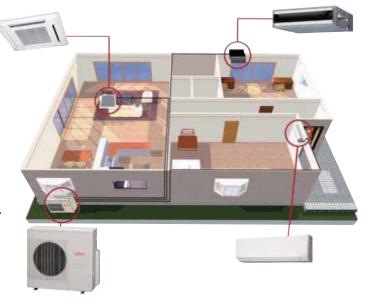
- Connect 2 to 8 indoor units
- 80 to 130% connectable capacity
- Connect 39,000 to 62,000 BTU
- Branch boxes and separation tubes required



# Year-Round, Whole Home or Business Comfort

Halcyon Systems are some of today's most advanced forms of heating and air conditioning. Multi-zone outdoor units can operate from 2 to 8 indoor units simultaneously. Fujitsu's systems are super quiet as well as highly energy efficient.

Shown to the right is outdoor model AOU36RLXFZ1 connected to a compact cassette, slim duct and wall mount indoor units.



# Multi-Zone and XLTH Series Systems 18, 24, 36, and 45,000 BTU/h

AOU18RLXFZ, AOU18RLXFZH, AOU24RLXFZ, AOU24RLXFZH, AOU36RLXFZH, AOU36RLXFZH, AOU45RLXFZ

### **Connectable Capacity**

This function allows you to connect indoor units that <u>can</u> exceed outdoor unit capacity. <u>However</u>, if you connect indoor units that exceed 100% of the outdoor unit's capacity there are limitations.

If all indoor units are cooling or heating at the same time, the system will <u>limit</u> their capacity so that their total matches the outdoor unit's capacity. When a zone meets a desired set temperature it requires less capacity. The unused capacity is then distributed to the remaining indoor units, increasing their capacity.

### For Example

The load on a 3-bedroom home with a living room and kitchen downstairs and 3 bedrooms upstairs is 39,000 BTUs (21,000 BTU downstairs and 18,000 BTU upstairs). However the family isn't upstairs and downstairs at the same time, therefore not all units will be running simultaneously allowing 100% heating or cooling to occupied spaces. This can be achieved by our AOU36RLXFZ1 outdoor unit.

# HFI Series System 48,000 BTU/h

AOU48RLXFZ1

### 130% Connectable Capacity

The HFI system is rated at 48,000 BTUs but you can connect up to 130%, or 62,000 BTUs of rated indoor unit capacity to the AOU48RLXFZ1. Connectable capacity allows you to connect indoor units that <u>can</u> exceed outdoor unit capacity. <u>However</u>, if you connect indoor units that exceed 100% of the outdoor unit's capacity there are limitations.

If all indoor units are cooling or heating at the same time, the system will <u>limit</u> their capacity so that their total matches the outdoor unit's capacity. When a zone meets a desired set temperature it requires less capacity. The unused capacity is then distributed to the remaining indoor units, increasing their capacity.

### For Example

The load on a small 2-story office building with a business downstairs and worker apartments upstairs is 62,000 BTUs (38,000 BTUs downstairs and 24,000 BTUs upstairs) but the workers aren't upstairs and downstairs at the same time, therefore not all units will be running simultaneously allowing 100% heating or cooling to occupied spaces.

# **Mix and Match Flexibility**











**Wall Mounts** 

The ability to create the right combinations, the right quantity (up to 8-zones), the right style indoor units, and the right capacity.

It's the RIGHT choice for your home or business.



### **Slim Ducts**



### **Floor Mounts**



### **Separation Tubes, Branch Boxes**



### **Compact Cassettes**



### **Individual Zoning: Personalized Whole Home Comfort**

#### **Wall Mounted**

They mount high on a wall, out of sight and do not require ductwork, increasing energy efficiency.

- Quiet operation
- Easy maintenance
- High delivered efficiency means lower utility bills





#### **Slim Duct**

Mounted in a ceiling or in a framed enclosure below a ceiling. They use minimal ductwork and remain very energy efficient.

- Concealed and out of sight
- Look of central air with the efficiency of a mini-split
- Less ducts = higher efficiency

### **Compact Cassette**

Cassettes are extremely discreet, with only the grille showing in the ceiling. They use the latest fan technology to distribute the conditioned air evenly.

- Wired remote control (wireless is optional)
- Powerful turbo fan operation
- Fits into a standard 2' x 2' ceiling grid





#### **Floor Mounted**

Floor mount systems are ideal for residential radiator replacements or any room with limited upper wall space, like a kitchen or sunroom.

- Compact size fits easily under a standard window
- Features twin airflow for improved heat delivery
- Designer wireless remote control

## Wall Mounted 7, 9, 12, 15, 18 and 24,000 BTUs

ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLS2, ASU18RLF, ASU24RLF









Nominal Cooling BTU/h	
Nominal Heating BTU/h	
Voltage/Frequency/Phase	
Air Circ. C.F.M. (m3/h): Hi	
Medium	
Low	
Quiet	
Noise Level	
dB(A) (Clg/Htg): Hi	
Medium	
Low	
Quiet	
Running Current Rated (A): Cooling	
Heating	
Power Use Rated (w): Clg	
Htg	
Fan Speeds Stage	
Air Direction: Horizontal	
Vertical	
Primary Air Filter	
Ion Deodorizing Filter	
Apple-Catechin Filter	
Connection Method	
Conn. Pipe Diameter Inch	
Net Weight Ibs. (kg)	
Dims: Height Inch (mm)	
Width Inch (mm)	
Depth Inch (mm)	
Refrigerant	

						Designer Series*
	ASU7RLF1	ASU9RLF1	ASU12RLF1	ASU18RLF	ASU24RLF	ASU15RLS2
	Heat Pump	Heat Pump**				
al Cooling <i>BTU/h</i>	7,000	9,000	12,000	18,000	24,000	14,000
al Heating BTU/h	8,100	10,200	13,500	20,000	27,000	16,300
requency/Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
. <i>C.F.M. (m³/h)</i> : Hi	Clg 330 (560) Htg 330 (560)	Clg 353 (600) Htg 353 (600)	Clg 388 (660) Htg 388 (660)	Clg 542 (920) Htg 542 (920)	Clg 659 (1,120) Htg 647 (1,100)	Clg 418 (710) Htg 418 (710)
Medium	Clg 294 (500) Htg 294 (500)	Clg 306 (520) Htg 306 (520)	Clg 330 (560) Htg 330 (560)	Clg 436 (740) Htg 436 (740)	Clg 530 (900) Htg 530 (900)	Clg 377 (640) Htg 377 (640)
Low	Clg 253 (430) Htg 253 (430)	Clg 253 (430) Htg 253 (430)	Clg 265 (450) Htg 277 (470)	Clg 365 (620) Htg 365 (620)	Clg 436 (740) Htg 436 (740)	Clg 336 (570) Htg 347 (590)
Quiet	Clg 182 (310) Htg 194 (330)	Clg 182 (310) Htg 194 (330)	Clg 182 (310) Htg 194 (330)	Clg 324 (550) Htg 324 (550)	Clg 365 (620) Htg 365 (620)	Clg 230 (390) Htg 253 (430)
Noise Level THB(A) (Clg/Htg): Hi	36/36	37/37	40/40	43/44	49/48	41/41
Medium	32/32	33/33	36/36	37/37	42/42	36/36
Low	29/29	29/29	30/31	33/33	37/37	33/34
Quiet	21/22	21/22	21/22	31/31	33/33	25/27
Running Current Rated (A): Cooling	0.13	0.15	0.19	0.32	0.53	0.20
Heating	0.13	0.15	0.19	0.32	0.53	0.20
Jse Rated (w): Clg	15	17	22	41	69	23
Htg	15	17	22	41	69	23
n Speeds Stage	4+auto	4+auto	4+auto	4+auto	4+auto	4+auto
ction: Horizontal	Manual	Manual	Manual	Auto	Auto	Manual
Vertical	Auto	Auto	Auto	Auto	Auto	Auto
Primary Air Filter	Washable	Washable	Washable	Washable	Washable	Washable
eodorizing Filter	Disposable	Disposable	Disposable	Disposable	Disposable	Disposable
e-Catechin Filter	Disposable	Disposable	Disposable	Disposable	Disposable	Disposable
nection Method	Flare	Flare	Flare	Flare	Flare	Flare
oe Diameter <i>Inch</i>	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 1/2 dis 1/4	suc 5/8 dis 1/4	suc 1/2 dis 1/4
t Weight <i>lbs. (kg)</i>	19 (8.5)	19 (8.5)	19 (8.5)	31 (14)	31 (14)	21 (9.5)
Height Inch (mm)	10-1/2 (268)	10-1/2 (268)	10-1/2 (268)	12-5/8 (320)	12-5/8 (320)	11-1/8 (282) / 13-1/4^ (337
Width Inch (mm)	33-1/16 (840)	33-1/16 (840)	33-1/16 (840)	39-1/4 (998)	39-1/4 (998)	34-1/4 (870)
Depth Inch (mm)	8 (203)	8 (203)	8 (203)	9 (228)	9 (228)	7-1/4 (185)
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A

<sup>\*</sup> ESP feature not compatible in multi-zone configurations. + ASU15RLS2 is NOT compatible with AOU18/24/36RLXFZH, AOU36RLXFZ1 or AOU45RLXFZ

#### Standard Features

- Wireless Remote Control\*
- Apple Catechin Filter
- Ion Deodorizing Filter
- Sleep Timer
- 24-Hour Timer
- Dry Mode
- Auto Louver: 4-Way\*\*
- Auto Mode
- Minimum Heat Mode
- Auto Restart/Reset
- Power Diffuser\*\*

#### **Built In Filtration**





#### Long-life Ion Deodorization Filter

The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fineparticle ceramic.





#### **Apple-Catechin Filter**

Dust, mold spores and microorganisms are absorbed onto the filter by static electricity and growth is inhibited and deactivated.

<sup>+</sup> The filter can be used for approximately 3 years if it is washed with water when dirty to restore it's surface action.

<sup>\*</sup> Features vary by model and therefore standard wireless remote controls should be used with the models they are associated with.

<sup>\*\*</sup> Feature of models ASU18, 24RLF only.

## Slim Duct 7, 9, 12, 18 and 24,000 BTUs

#### ARU7RLF, ARU9RLF, ARU12RLF, ARU18RLF, ARU24RLF









ARU7, 9, 12RLF

ARU18RLF

ARU7RLF ARU9RLF ARU12RLFARU18RLFARU24RLF

ARU24RLF

#### Flexible Installation

Horizontal or vertical\*.





\*Internal drain pump will not operate when the unit is mounted in a vertical configuration.

Nominal Cooling BTU/h Nominal Heating BTU/h Voltage/Frequency/Phase

Static Pressure In. W. C. Air Circ. C.F.M. (m3/h) Clg/Htg: Hi Medium

Noise Level dB(A) (Clg/Htg): Hi Medium

Running Current Rated (A): Cooling

Power Use Rated (W): Cooling

Heating

Fan Speeds Stage Air Filter

Connection Method

Conn. Pipe Diameter Inch Net Weight Ibs. (kg)

Dimensions: Height Inch (mm)

Width Inch (mm) Depth Inch (mm) Supply Duct Flange

Dimensions: Height Inch (mm)

Dimensions: Height Inch (mm) Width Inch (mm)

Refrigerant

	AITOTILL	THE		THE TOTAL	
	Heat Pump				
nal Cooling BTU/h	7,000	9,000	12,000	18,000	24,000
nal Heating BTU/h	8,100	10,200	13,500	20,000	27,000
requency/Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Pressure In. W. C.	0 ~ 0.36	0 ~ 0.36	0 ~ 0.36	0 ~ 0.36	0 ~ 0.20
l. (m³/h) Clg/Htg: Hi	323 (550)	353 (600)	383 (650)	554 (940)	783 (1,330)
Medium	288 (490)	324 (550)	353 (600)	518 (880)	730 (1,240)
Low	276 (470)	294 (500)	324 (550)	483 (820)	648 (1,100)
Quiet	259 (440)	265 (450)	283 (480)	442 (750)	607 (1,030)
dB(A) (Clg/Htg): Hi	28/28	28/28	29/29	32/33	33/35
Medium	26/26	27/26	28/28	31/32	32/34
Low	25/25	26/25	27/27	30/31	30/32
Quiet	24/24	25/24	26/24	29/29	29/29
Rated (A): Cooling	0.30	0.30	0.35	0.44	0.66
Heating	0.30	0.30	0.35	0.44	0.66
Rated (W): Cooling	33	49	58	73	111
Heating	33	49	58	73	111
an Speeds Stage	4 + Auto				
Air Filter	Washable	Washable	Washable	Washable	Washable
nnection Method	Flare	Flare	Flare	Flare	Flare
pe Diameter Inch	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 1/2 dis 1/4	suc 5/8 dis 1/4
et Weight Ibs. (kg)	37 (17)	41 (19)	41 (19)	50 (23)	59 (27)
Height Inch (mm)	7-25/32 (198)	7-25/32 (198)	7-25/32 (198)	7-25/32 (198)	7-25/32 (198)
Width Inch (mm)	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)	35-7/16 (900)	43-5/16 (1,100)
Depth Inch (mm)	24-13/32 (620)	24-13/32 (620)	24-13/32 (620)	24-13/32 (620)	24-13/32 (620)
pply Duct Flange Height <i>Inch (mm)</i>	5-15/16 (151)	5-15/16 (151)	5-15/16 (151)	5-15/16 (151)	5-15/16 (151)
Width Inch (mm)	25-19/32 (650)	25-19/32 (650)	25-19/32 (650)	33-15/32 (850)	41-11/32 (1,050)
Depth Inch (mm)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
Return Duct Height <i>Inch (mm)</i>	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)
Width Inch (mm)	22 (559)	22 (559)	22 (559)	30 (762)	37-3/4 (959)
Depth Inch (mm)	3/4 (19) (Flat)				
Refrigerant	R410A	R410A	R410A	R410A	R410A

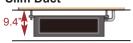
#### **Slim Duct**

Adaptable when ceiling cavity is small and there is no slope for drain.

#### **Traditional**



#### Slim Duct



#### **Standard Features**

- Dry Mode
- Weekly Timer
- Sleep Timer\*
- 24-Hour Timer\*
- Minimum Heat Mode\*
- Auto Mode
- Quiet Mode
- Auto Restart/Reset
- Auto Changeover
- Condensate Pump
- Fresh Air Intake

\*Available only with optional wireless remote control.

### **Field Supplied Fi**

Filters are sized to keep velocities and static pressure loss low. This will insure sufficient static pressure is available for ductwork, fittings and supply and return grilles. Alternative filter sizes with equivalent face areas can be used.

ilters					
	ARU	ARU	ARU	ARU	ARU
	7RLF	9RLF	12RLF	18RLF	24RLF
CFM	323	353	383	554	785
Typical Filter Size	12 x 20	12 x 20	12 x 20	14 x 25	18 x 30
Velocity, FPM	194	212	230	228	209
Unit External SP. in. W.C.	0.36	0.36	0.36	0.36	0.20
		1" Fi	berglass l	ilter	
SP Loss, in. W.C.	0.04	0.04	0.05	0.04	0.04
Available Static Pressure	0.32	0.32	0.31	0.32	0.16
		1" MER	V 8 Pleate	d Filter	
SP Loss, in. W.C.	0.10	0.12	0.14	0.14	0.12
Available Static Pressure	0.26	0.24	0.22	0.22	0.08
		2" MER	V 8 Pleate	d Filter	
SP Loss, in. W.C.	0.06	0.07	0.08	0.08	0.07
Available Static Pressure	0.30	0.29	0.28	0.28	0.13

## Compact Cassettes 7, 9, 12, and 18,000 BTUs

### AUU7RLF, AUU9RLF, AUU12RLF, AUU18RLF



#### **Easy Installation**

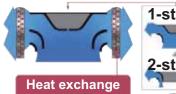
Fits into a standard ceiling tile\*.



\*Dimensions of outer grille are 27-9/16" x 27-9/16" and may overlap adjacent tiles.

### 2-Stage Turbo Fan

Air distribution is evenly spread across the heat exchanger by the new 2 stage turbo fan which produces two separate airflow streams.









#### **Standard Features**

- Sleep Timer
- Dry Mode
- Auto Louver: Up/ Down
- Quiet Mode
- Auto Restart/Reset
- Auto Changeover
- Remote Temperature Sensor
- High Ceiling Mode
- Condensate Pump
- 2-Stage Turbo Fan
- Minimum Heat Mode+
- Fresh Air Intake\*\*



	ricati unip	ricati unip	ricati ump	ricati unip
Nominal Cooling BTU/h	7,000	9,000	12,000	18,000
Nominal Heating BTU/h	8,100	10,200	13,500	20,000
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
	318 (540)	318 (540)	359 (610)	441 (750) Clg
Air Circ. C.F.M. (m³/h): Hi	Clg or Htg 288 (490)	Clg or Htg 288 (490)	Clg or Htg 312 (530)	471 (800) Htg 359 (610) Clg
Medium	Clg or Htg	Clg or Htg	Clg or Htg	418 (710) Htg
1	259 (440)	259 (440)	277 (470)	306 (520) Clg
Low	Clg or Htg 230 (390)	Clg or Htg 230 (390)	Clg or Htg 241 (410)	353 (600) Htg 241 (410) Clg
Quiet	Clg or Htg	Clg or Htg	Clg or Htg	265 (450) Htg
Noise Level dB(A) Clg/Htg: Hi	33/34	33/34	37/37	42/44
Medium	31/32	31/32	33/33	37/40
Low	29/29	29/29	31/31	33/37
Quiet	27/27	27/27	28/28	29/30
Running Current Rated (A): Cooling	0.15	0.15	0.19	0.30
Heating	0.15	0.15	0.19	0.30
Power Use Rated/Max (W): Clg	18	18	23	39
Heating	18	18	23	39
Fan Speeds Stage	4+auto	4+auto	4+auto	4+auto
Air Direction: Vertical	Automatic	Automatic	Automatic	Automatic
Air Filter	Washable	Washable	Washable	Washable
Front Grille	UTG-CCGF*	UTG-CCGF*	UTG-CCGF*	UTG-CCGF*
Connection Method	Flare	Flare	Flare	Flare
Conn. Pipe Diameter Inch	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 1/2 dis 1/4
Net Weight Ibs. (kg)	33 (15)	33 (15)	33 (15)	33 (15)
Chassis Dim: Height Inch (mm)	9-11/16 (245)	9-11/16 (245)	9-11/16 (245)	9-11/16 (245)
Width Inch (mm)	22-7/16 (570)	22-7/16 (570)	22-7/16 (570)	22-7/16 (570)
Depth Inch (mm)	22-7/16 (570)	22-7/16 (570)	22-7/16 (570)	22-7/16 (570)
Grille Dim: Height Inch (mm)	1-15/16 (49)	1-15/16 (49)	1-15/16 (49)	1-15/16 (49)
Width Inch (mm)	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)
Depth Inch (mm)	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)
Refrigerant	R410A	R410A	R410A	R410A



<sup>\*\*</sup>Requires Fujitsu's Optional Fresh Air Kit part #UTZ-VXAA. Allows for a 4-inch flex duct connection and a field supplied duct booster fan. Fresh air maximum is 10% of unit High fan CFM. See UTZ-VXAA Design and Technical Manual for fan static pressure requirements at Fresh Air Kit. Add hood, filter and duct losses for fan total static pressure requirements. Will add 4" to the height of the indoor unit

<sup>\*</sup> Compact Cassette Grille UTG-CCGF sold separately. Must order one with each compact cassette.



#### Fresh Air Kit\*\* **UTZ-VXAA**

Mixes room air then passes through the heat exchanger.





AUU7RLF AUU9RLF AUU12RLFAUU18RLF

Heat Pump

Heat Pump



<sup>\*</sup>Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.

## **Floor Mount 9, 12, and 15,000 BTUs**

### AGU9RLF, AGU12RLF, AGU15RLF





#### 2-Fan and Wide Airflow

Having both upper and lower airflow quickly warms or cools the entire room. Floor mount can be set in "Upward Airflow Only" when occupants wish not to have feet warmed or cooled.



### Flexible and Easy Installation

Beneath Standard standard window concave portion





Wall

Half concealed\*





\*Field supplied parts required

#### **Standard Features**

- Wireless Remote Control
- Apple Catechin Filter
- Ion Deoderizing Filter
- Sleep Timer
- 24-Hour Timer
- Auto Louver: Up/Down
- Auto Mode
- Minimum Heat Mode
- Economy Mode
- Auto Restart/Reset
- Auto Changeover
- Powerful Mode



Designer wireless remote control

	AGU9RLF Heat Pump	AGU12RLF Heat Pump	AGU15RLF Heat Pump
Nominal Cooling BTU/h	9,000	12,000	14,200
Nominal Heating BTU/h	12,000	16,000	18,000
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1
Air Circ. C.F.M. (m³/h): Hi	312 (530)	353 (600)	383 (650)
Medium	259 (440)	288 (490)	306 (520)
Low	212 (360)	224 (380)	235 (400)
Quiet	159 (270)	159 (270)	159 (270)
Noise Level dB(A)Clg/Htg: Hi	39/39	42/42	44/44
Medium	34/34	36/38	38/39
Low	28/28	30/32	31/33
Quiet	22/22	22/22	22/22
Running Current Rated (A): Cooling	0.15	0.18	0.20
Heating	0.15	0.18	0.20
Power Use Rated (W): Cooling	16	18	23
Heating	16	18	23
Fan Speeds Stage	4+Auto	4+Auto	4+Auto
Air Direction: Horizontal	Manual	Manual	Manual
Vertical	Auto	Auto	Auto
Air Filter	Washable	Washable	Washable
Apple Catechin Filter	Yes	Yes	Yes
Ion Deoderizing Filter	Yes	Yes	Yes
Connection Method	Flare	Flare	Flare
Conn. Pipe Diameter Inch	Suc. 3/8 Dis. 1/4	Suc. 3/8 Dis. 1/4	Suc. 1/2 Dis. 1/4
Net Weight Ibs. (kg)	31 (14)	31 (14)	31 (14)
Dimensions: Height Inch	23-5/8	23-5/8	23-5/8
mm	600	600	600
Width Inch	29-1/8	29-1/8	29-1/8
mm	740	740	740
Depth Inch	7-7/8	7-7/8	7-7/8
mm	200	200	200
Refrigerant	R410A	R410A	R410A







<sup>\*</sup>Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.

#### **Multi-Zone Series**

AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ1, AOU45RLXFZ



Contractors can select either an 18, 24, 36 or 45,000 BTU outdoor unit combined with wall mounted, slim duct, compact cassette or floor mount type indoor units. Mix-and-match flexibility of evaporator type and capacity allows you to choose the indoor unit that best fits the application, whether it be hidden or showcased. These systems are ideal for nursing homes, doctor's offices, condominiums, apartments and residences - any place where individual cooling or heating is needed.

- Connect 2 to 5 indoor units, depending on model
- Connect 14,000 to 54,000 BTU
- Energy efficient up to 19.7 SEER and 10.3 HSPF
- No branch boxes or separation tubes

#### Fujitsu Multi-Zones Make Sense

- Why Choose an 18,000 BTU Zoned System? A lower BTU dual zone is often the perfect solution to a comfort need. A consumer shouldn't have to purchase a higher priced larger unit when only 14 to 18,000 BTU's are needed.
- A Tri-Zone 24,000 BTU Unit
   Fujitsu offers a 2-ton system that provides 2 or 3-zone flexibility. By using connectable capacity, this system allows up to three 9,000 BTU units.
- Pricing Compared to Competition
   Additional outdoor units provides better matched BTU capacity with indoor units. By better matching the outdoor unit to the indoor capacity a better system value is achieved.



### Multi Zone Outdoor Units 18, 24, 36 and 45,000 BTUs

AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ1, AOU45RLXFZ





AOU

36RLXFZ1

3 to 4

27 to 39,000°

35,200/36,400

14 to 115

(-10 to 46)

5 to 75

(-15 to 24)

3.52/3.00

208-230/60/1

20.3

24.6

30

Propeller x 1

53

55

164 (50)

230 (70)

AOU18, 24RLXFZ

AOU

24RLXFZ

Heat Pump

2 to 3

14 to 27,000

22,000/24,000

14 to 115

(-10 to 46)

5 to 75

(-15 to 24)

1.76/1.73

208-230/60/1

13.7

16.7

20

Propeller x 1

51

52

98 (30)

164 (50)

AOU

18RLXFZ

14 to 21,000

18,000/22,000

14 to 115

(-10 to 46)

5 to 75

(-15 to 24)

1.44/1.87

208-230/60/1

10.0

12.1

15

Propeller x 1

49

49

98 (30)

164 (50)



AOU45RLXFZ

**AOU** 

45RLXFZ

Heat Pump

2 to 5

34 to 54,000

45,000/48,000

14 to 115

(-10 to 46)

5 to 75

(-15 to 24)

4.28/3.88

208-230/60/1

23.8

28.9

30

Propeller x 1

53

55

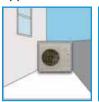
164 (50)

264 (80)

# Malcyon > HF

#### **Compact Size**

The compact size of the outdoor units allows for many installation opportunities.









### **DC Twin Rotary** Compressor

low noise, large capacity DC twin rotary compressor is used.

Model

**AOU18RLXFZ** 

**AOU24RLXFZ** 

AOU36RLXFZ1

AOU45RLXFZ



**Indoor Unit** 

9+9

9+9

ASU7+ASU12 and

ASU9+ASU12 9+7+7

9+7+7

9+7+7

9+9+9+9

9+9+9+9

9+9+9+9

9+9+9+9+9

9+9+9+9+9

9+9+9+9+9

Connectable Indoor Unit Number Connectable Unit Capacity Class BTU/h Rated Capacity Cooling/Heating BTU/h

Clg. Operating Range °F(°C)

Htg. Operating Range °F(°C)

Input Power: Clg/Htg Rated kW\* Voltage/Frequency/Phase Current: Total Max. (A) Minimum Circuit Ampacity (A) MAX.CRT.BKR (A)

Fan: Type x Quantity Sound Pressure Level Cooling dB(A) Sound Pressure Level Heating dB(A) Pre-Charge Length Total Ft (m) Max. Length Total Ft (m) Max. Length Min. Length Min. Lenath Max. Pipe Height Differen Outdoor Unit & Farthest In Max. Pipe Heigh

Between Indoor

Cooling

Capacity

18,000

18,000

18,000

18,000

22.000

22,000

22,000

35,200

35,200

35.200

45,000

45,000

45,000

10.2

18.7

47.000

28.000

36,900

31,500

3.53

Conn. Pipe D

Net We **Dimensions** 

A high performance,



### **Nominal Capacities, SEER** and HSPF Ratings

Data below is based on AHRI 210/240 non-ducted wall mounted models.

Non-Ducted

Ducted

Mixed

Specific

Non-Ducted

Ducted

Mixed

Non-Ducted

Ducted

Mixed

Non-Ducted

Ducted

Mixed

. Len	gth Each I	Ft (m)	82 (25)	82 (25	5)	82 (25)	82	(25)
n. Length Total Ft (m)			49 (15)	49 (15	5)	66 (20)	49	(15)
. Length Each Ft (m)			16 (5)	16 (5)	)	16 (5)		6 (5)
t Diffe	erence Bet st Indoor /	ween	49 (15)	49 (15	5)	49 (15)	49	(15)
•	eight Diffe oor Units <i>I</i>		33 (10)	33 (10	))	33 (10)	33	(10)
Con	nection M	ethod	Flare	Flare		Flare	F	lare
n. Pip	e Diamete	er Inch	Liq. 1/4 x 2 Suc. 3/8 x 2	Liq. 1/4 Suc. 1/2 3/8 x 2	x 1, Su	q. 1/4 x 4 ic. 1/2 x 1, 3/8 x 3	Suc.	1/4 x 5 1/2 x 2, 8 x 3
Net	Weight Ib.	s. (kg)	119 (54)	124 (56	6)	149 (68)	20	5 (93)
nensio	ons: Heigh	nt <i>Inch</i>	27-9/16	27-9/1	6 3	32-11/16	39	-5/16
		mm	700	700		830	9	998
	Widt	h <i>Inch</i>	35-7/16	35-7/1	6	35-7/16	38	-3/16
mm			900	900		900		970
	Depth Inch		40	13 13		14-9/16		
	Dept	h <i>Inch</i>	13					
	·	mm	330	330		330	3	370
	·	mm gerant		330 R410 <i>A</i>		330 R410A	R <sup>2</sup>	370 410A
ing city /h	·	mm gerant	330 R410A See table for allo Heating Capa	330 R410 <i>A</i>	ations within Heating Cap	330 R410A	R <sup>2</sup>	370 410A
city	Refri	mm gerant ¹S	330 R410A See table for allo Heating Capa	330 R410A wed combina g Rated acity	ations within Heating Cap	330 R410A this connect Maximum acity	R <sup>2</sup> table capa	370 410A acity range
city /h	Refri	mm gerant ¹S	330 R410A See table for allo Heating Capa Btt 47 F	330 R410A wed combina g Rated acity u/h	ations within Heating Cap Bt	330 R410A this connect Maximum acity u/h	table capa	370 410A acity range
city /h F 000	EER  12.5 12.1	mm gerant 18	330 R410A See table for allo  Heating Cape Btt 47 F 22,000 22,000	330 R410 <i>A</i> wed combina g Rated acity u/h 17 F 13,900 13,900	Heating Cap Bt 17°F 16,300 16,300	330 R410A this connect Maximum acity u/h 5 F 13,900 13,900	COP  47 F  3.44  3.52	HSPF 9.3 9.0
city /h F	Refri	mm gerant s	330 R410A See table for allo  Heating Cape Btt 47 F 22,000 22,000	330 R410 <i>J</i> wed combina g Rated acity u/h 17 F 13,900	Heating Cap Bt 17°F 16,300	330 R410A this connect Maximum acity u/h 5 F 13,900	R4 table capa  COP  47 F  3.44	HSPF
city /h F 000	EER  12.5 12.1	mm gerant 18	330 R410A See table for allo  Heating Caps Btt 47 F 22,000 22,000 22,000	330 R410 <i>A</i> wed combina g Rated acity u/h 17 F 13,900 13,900	Heating Cap Bt 17°F 16,300 16,300	330 R410A this connect Maximum acity u/h 5 F 13,900 13,900	COP  47 F  3.44  3.52	HSPF 9.3 9.0
city /h F 000 000	EER  12.5 12.1 12.3 12.5 12.5	mm   18   18   18   18   18   18   18	330 R410A See table for allo  Heating Cap: Btt 47 F 22,000 22,000 22,000 22,000	330 R410 <i>A</i> wed combina g Rated acity u/h 17 F 13,900 13,900 13,900	Heating Cap Bt 17 F 16,300 16,300 16,300	330 R410A this connect Maximum acity u/h 5 F 13,900 13,900	COP  47 F  3.44  3.52  3.48	970 410A city range HSPF 9.3 9.0 9.2
city /h F 000 000 000 000 000	EER  12.5 12.1 12.3 12.5 10.6	mm   18   18   18   18   18   18   18	330 R410A See table for allo  Heating Capp Btt 47 F 22,000 22,000 22,000 22,000 24,000 24,000	330 R410A wed combina g Rated acity u/h 17 F 13,900 13,900 13,900 14,100 14,100	Heating Cap Bt 17 F 16,300 16,300 16,300 19,800 19,800	330 R410A this connect  Maximum acity u/h 5 F 13,900 13,900 13,900 16,300 16,300	COP  47 F  3.44  3.52  3.48  3.67  4.04  3.42	9.3 9.0 9.2 9.0 9.5 9.0
city /h F 000 000 000 000 000 000	EER  12.5 12.1 12.3 12.5 10.6 11.6	SEEF 18.0 16.0 17.0 18.0 15.5 16.8	330 R410A See table for allo  Heating Capp Btt 47 F 22,000 22,000 22,000 22,000 24,000 24,000 24,000 24,000	330 R410A wed combina g Rated acity u/h 17 F 13,900 13,900 13,900 14,100 14,100 14,100	Heating Cap Bt 17 F 16,300 16,300 19,800 19,800 19,800	330 R410A this connect  Maximum acity u/h 5 F 13,900 13,900 13,900 16,300 16,300 16,300	COP  47 F  3.44  3.52  3.48  3.67  4.04  3.42  3.74	9.3 9.0 9.2 9.0 9.5 9.0 9.3
city /h F 000 000 000 000 000 000	EER  12.5 12.1 12.3 12.5 10.6 11.6 10.0	mm   18.0	330 R410A See table for allo  Heating Capp Btt 47 F 22,000 22,000 22,000 22,000 24,000 24,000 24,000 24,000 24,000	330 R410A wed combina g Rated acity u/h 17 F 13,900 13,900 13,900 14,100 14,100 14,100 22,000	Heating Cap Bt 17 F 16,300 16,300 19,800 19,800 32,500	330 R410A this connect  Maximum acity u/h 5 F 13,900 13,900 13,900 16,300 16,300 16,300 25,400	COP  47 F  3.44  3.52  3.48  3.67  4.04  3.42  3.74  3.56	9.3 9.0 9.2 9.0 9.5 9.0 9.3 9.4
city /h F 000 000 000 000 000 000 000 000	EER  12.5 12.1 12.3 12.5 10.6 11.6 10.0 9.0	mm   15   15   15   15   15   15   15	330 R410A See table for allo  Heating Cape Btt 47 F 22,000 22,000 22,000 22,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000	330 R410A wed combina g Rated acity u/h 17 F 13,900 13,900 13,900 14,100 14,100 14,100 22,000 22,000	Heating Cap Bt 17 F 16,300 16,300 16,300 19,800 19,800 32,500 32,500	330 R410A this connect  Maximum acity u/h 5 F 13,900 13,900 13,900 16,300 16,300 16,300 25,400 25,400	COP  47 F  3.44  3.52  3.48  3.67  4.04  3.42  3.74  3.56  3.32	9.3 9.0 9.2 9.0 9.5 9.0 9.3 9.4 8.7
city /h F 000 000 000 000 000 000 000 000 000	EER  12.5 12.1 12.3 12.5 10.6 11.6 10.0 9.0 9.5	mm   19   19   19   19   19   19   19	330 R410A See table for allo  Heating Cape Btt 47 F 22,000 22,000 22,000 22,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000	330 R410A wed combina g Rated acity u/h 17 F 13,900 13,900 13,900 14,100 14,100 22,000 22,000 22,000	Heating Cap Bt 17 F 16,300 16,300 19,800 19,800 32,500 32,500 32,500	330 R410A  this connect  Maximum acity u/h  5 F  13,900 13,900 13,900 16,300 16,300 25,400 25,400 25,400	COP  47 F  3.44  3.52  3.48  3.67  4.04  3.49  3.56  3.32  3.44	9.3 9.0 9.2 9.0 9.5 9.0 9.3 9.4 8.7
city /h F 000 000 000 000 000 000 000 000	EER  12.5 12.1 12.3 12.5 10.6 11.6 10.0 9.0	mm   15   15   15   15   15   15   15	330 R410A See table for allo  Received the ta	330 R410A wed combina g Rated acity u/h 17 F 13,900 13,900 13,900 14,100 14,100 14,100 22,000 22,000	Heating Cap Bt 17 F 16,300 16,300 16,300 19,800 19,800 32,500 32,500	330 R410A this connect  Maximum acity u/h 5 F 13,900 13,900 13,900 16,300 16,300 16,300 25,400 25,400	COP  47 F  3.44  3.52  3.48  3.67  4.04  3.42  3.74  3.56  3.32	9.3 9.0 9.2 9.0 9.5 9.0 9.3 9.4 8.7

Yellow rows represent models that are ENERGY STAR® qualified.

9.8

### **Extra Low Temperature Heating Series (XLTH)**

AOU18RLXFZH, AOU24RLXFZH, AOU36RLXFZH



18, 24, or 36,000 BTUs

When the temperature drops you don't want to be left in the cold. It's important to choose a heat pump system rated for the climate you live in. If your system doesn't operate in severe conditions you and your family could be left without any heat at all.

Fujitsu's line of mini-split heat pumps come in different sizes, styles, and rated outdoor temperatures. The XLTH Series features outdoor condensing units engineered to operate in temperatures down to -15°F. lower than any other mini-split available today.

- Connect 2 to 4 indoor units, depending on model
- Connect 14,000 to 39,000 BTU
- eXtra Low Temp Heating down to -15°F outdoor temperatures
- Energy efficient up to 21.5 SEER and 10.3 HSPF
- No branch boxes or separation tubes

#### The XLTH Difference



no freezing of base

Drain hole is not filled, Freezing where there is no heater

Condition: Indoor temp. of 68°FDB / outdoor temp. of 5°FDB, Heating mode, High airflow volume. Operation for 24 hours.



### XLTH Outdoor Units 18, 24, or 36,000 BTUs

AOU18RLXFZH, AOU24RLXFZH, **AOU36RLXFZH** 



18, 24, or 36,000 BTUs

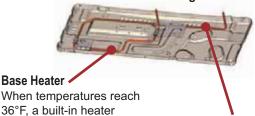




#### **Ambient Heating Temperature of -15°F**

Other models may go as low as -5°F, however they do not include a base heater and other advancements found in XLTH models.

> The base of Fujitsu's XLTH outdoor condensing units.



When temperatures reach 36°F, a built-in heater warms the base of the outdoor unit so that condensation doesn't freeze. Without a heater. freezing condensate can cause noise, damage to the fan blade, condenser, and system performance.

### **Base Drainage Holes**

The cultivated base design discharges melted water through many holes located at the bottom of the unit.

Connectable Indoor Unit Number Connectable Unit Capacity Class BTU/h Rated Capacity Cooling/Heating BTU/h

Clg. Operating Range °F(°C)

Htg. Operating Range °F(°C)

Input Power: Clg/Htg Rated kW\* Voltage/Frequency/Phase Current: Total Max. (A) Minimum Circuit Ampacity (A) MAX.CRT.BKR (A)

Fan: Type x Quantity Sound Pressure Level Cooling dB(A) Sound Pressure Level Heating dB(A) Pre-Charge Length Total Ft (m) Max. Length Total Ft (m) Max. Length Each Ft (m) Min. Length Total Ft (m) Min. Length Each Ft (m)

Max. Pipe Height Difference Between Outdoor Unit & Farthest Indoor Ft (m) Max. Pipe Height Difference Between Indoor Units Ft (m) Connection Method Conn. Pipe Diameter Inch

> Net Dimension

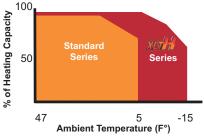
18RLXFZH	24RLXFZH	36RLXFZH
Heat Pump	Heat Pump	Heat Pump
2	2 to 3	2 to 4

	Heat Pump	Heat Pump	Heat Pump
-	2	2 to 3	2 to 4
,	14,000 to 21,000	14,000 to 27,000	27,000 to 39,000
,	18,000/22,000	22,000/25,000	35,200/36,400
	14 to 115	14 to 115	14 to 115
	(-10 to 46)	(-10 to 46)	(-10 to 46)
	-15 to 75	-15 to 75	-15 to 75
	(-26 to 24)	(-26 to 24)	(-26 to 24)
	1.33/1.70	1.65/1.81	2.70/2.67
,	208-230/60/1	208-230/60/1	208-230/60/1
	16.4	20.8	26.0
	19.7	25.1	31.5
	20	30	40
	Propeller x 1	Propeller x 1	Propeller x 1
	48	50	53
	50	52	55
'	98 (30)	98 (30)	164 (50)
	164 (50)	230 (70)	230 (70)
	82 (25)	82 (25)	82 (25)
	49 (15)	49 (15)	49 (15)
	16 (5)	16 (5)	16 (5)
	49 (15)	49 (15)	49 (15)
	33 (10)	33 (10)	33 (10)
	Flare	Flare	Flare
•	Liq. 1/4 x 2 Suc. 3/8 x 2	Liq. 1/4 x 3 Suc. 1/2 x 1, 3/8 x 2	Liq. 1/4 x 4 Suc. 1/2 x 1, 3/8 x 3
	134 (61)	146 (66)	205 (93)
	32-11/16	32-11/16	39-5/16
	830	830	998
	35-7/16	35-7/16	38-3/16
,			
	900	900	970

	Suc. 3/8 X 2	3/8 x 2	3/8 x 3
Weight Ibs. (kg)	134 (61)	146 (66)	205 (93)
ions: Height Inch	32-11/16	32-11/16	39-5/16
mm	830	830	998
Width Inch	35-7/16	35-7/16	38-3/16
mm	900	900	970
Depth Inch	13	13	14-9/16
mm	330	330	370
Refrigerant	R410A	R410A	R410A

### **Improved Heating Capacity** Heating capacity

at low outdoor temperatures was improved by adopting a large heat exchanger and a high capacity compressor.



### **Nominal Capacities, SEER and HSPF Ratings**

Data below is based on AHRI 210/240 non-ducted wall mounted models.

Model	Indo	oor Unit	Cooling Capacity Btu/h 95°F	EER	SEER	Heating Capa Bto 47°F		Capa	Maximum acity u/h 5°F	COP 47°F	HSPF
	Non-Ducted	9+9	18,000	13.5	21.5	22,000	14,200	23,600	22,000	3.79	10.3
AOU18RLXFZH	Ducted	9+9	18,000	12.4	19.0	22,000	14,200	23,600	22,000	3.60	9.0
	Mixed	9+9	18,000	13.0	20.3	22,000	14,200	23,600	22,000	3.70	9.7
	Non-Ducted	9+7+7	22,000	13.3	20.0	25,000	15,400	26,400	25,000	4.04	10.3
AOU24RLXFZH	Ducted	9+7+7	22,000	12.1	18.0	25,000	15,400	26,400	25,000	3.87	9.0
	Mixed	9+7+7	22,000	12.7	19.0	25,000	15,400	26,400	25,000	3.96	9.7
	Non-Ducted	9+9+9+9	35,200	13.0	20.0	36,400	21,400	39,300	36,400	4.00	10.3
AOU36RLXFZH	Ducted	9+9+9+9	35,200	12.0	18.0	36,400	21,400	39,300	36,400	3.88	9.3
	Mixed	9+9+9+9	35,200	12.5	19.0	36,400	21,400	39,300	36,400	3.93	9.8

Yellow rows represent models that are ENERGY STAR® qualified.

### **Hybrid Flex Inverter Series (HFI)**

AOU48RLXFZ1



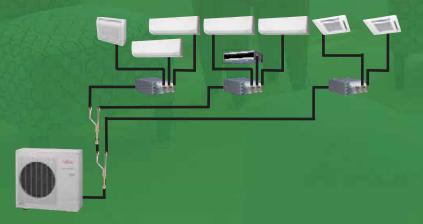
A **Hybrid** system is the blending of a complex VRF system with the simplicity of a multi-zone system to create a hybrid solution that shares the best of both systems.

Flex provides the ability to create the right combinations, the right quantity (up to 8-zones), the right style indoor units, and the right capacity. It's the right choice for your home or business.

An **Inverter** is a system that controls the rotational speed (not just an ON/OFF signal) of an electric motor by adjusting the frequency and voltage of the electrical power supplied to the motor. The inverter constantly regulates the compressor speed to its optimum energy usage, producing higher refrigerant performance with less power consumption.

This system provides individual temperature control throughout your home or business so each room, zone or floor will be the temperature you set! An optional Central Remote Control is available which can control up to all 8 indoor units from one keypad.

- Connect 2 to 8 indoor units
- 80 to 130% connectable capacity
- Connect 39,000 to 62,000 BTU
- Branch boxes and separation tubes are REQUIRED





### Flex Zone Outdoor Unit 48,000 BTUs

#### AOU48RLXFZ1







- Connect 2 to 8 indoor units
- 80 to 130% connectable capacity
- Connect 39,000 to 62,000 BTU

#### 2 Indoor Units

Allowed (below 80%)

#### **8 Indoor Units**

18k BTU/h + 24 k BTU/h = 42k BTU/h  $\cdot \cdot$  OK 7k BTU/h  $\times$  8 units = 56k BTU  $\cdot \cdot$  OK 12k BTU/h + 24 k BTU/h = 36k BTU/h ··Not 9k BTU/h × 8 units = 72k BTU ··Not Allowed (over 130%)

#### **Compact Size**

The compact size of outdoor unit AOU48RLXFZ1 allows for many installation opportunities.









#### **Self Diagnostic Feature**

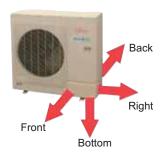
This printed circuit board provides three modes of diagnostics setting, monitoring and function mode, as well as error codes. It also provides a precommissioning check function. Setting mode allows optional



functions to be selected. Monitoring mode provides temperature for each thermistor, compressor operation and other functions. Function mode provides cooling test run, heating test run and pump down operation.

#### **Piping Flexibility**

Contractors can choose the best direction for piping from the outdoor unit.



#### **DC Twin Rotary Compressor**

A high performance, low noise, large capacity DC twin rotary compressor is used. Includes Quiet Mode for night operation.



## AOU48RLXFZ1

	ricat rump
Connectable Indoor Unit Number	2 to 8
Connectable Indeed Init 6	80 to 130% Nominal
Connectable Indoor Unit Capacity	(39,000 - 62,000 BTU)
Connectable Branch Box Number	1 to 3
Nominal Cooling BTU/h	48,000
Max Cooling BTU/h	51,100
Nominal Heating BTU/h	54,000
Low Temp. Heating 17°F BTU/h	40,000
Max Heating BTU/h	57,000
Clg. Operating Range °F(°C)	23-115 (-5-46)
Htg. Operating Range °F(°C)	5-75 (-15-24)
Input Power: Cooling Rated kW*	5.52 / 5.19 / 5.35
Input Power: Heating Rated kW*	5.02 / 4.89 / 4.96
Voltage/Frequency/Phase	208-230/60/1
Current: Clg Outdoor Max. (A)	24.5 / 23.0 / 23.7
Current: Htg Outdoor Max. (A)	22.3 / 21.7 / 22.0
MAX.CRT.BKR (A)	40
Fan: Type x Quantity	Propeller x 1
Fan Motor Output W	111
Sound Pressure Level Cooling dB(A)	56
Sound Pressure Level Heating dB(A)	58
Max. Pipe Length Total Ft (m)	377 (115)
Max. Pipe Length Between Box &	40 (45)
Farthest Indoor Unit Ft (m)	49 (15)
Max. Pipe Height Difference Between Outdoor Unit & Branch Box Ft (m)	98 (30)
Max. Pipe Height Difference Between Indoor Units <i>Ft (m)</i>	49 (15)
Max. Pipe Height Difference Between Dutdoor Unit & Farthest Indoor Ft (m)	98 (30)
Connection Method	Flare
Conn. Pipe Diameter Inch	3/8 (Liq.) 5/8 (Suc.)
Net Weight <i>lbs. (kg)</i>	216 (98)
Dimensions: Height Inch	36
mm	914
Width Inch	38-1/4
mm	970
Depth Inch	14-5/8
mm	370
Refrigerant	R410A

37\*Ducted / Non-Ducted / Mixed

	SEER	HSPF	EER**
Ducted	14.7	9.3	8.7
Non-Ducted	17.0	9.8	9.25
Mixed	15.8	9.5	8.97

\*\*Cooling

# Branch Boxes UTP-PU03A, UTP-PU03B





	UTP-PU03A	UTP-PU03B
	Primary	Secondary
Connectable Indoor Unit	1 ~ 3	1~3
Max. Combination BTU/h	62,000 Nom.*	62,000 Nom.*
Min. Combination BTU/h	7,000 Nom.*	7,000 Nom.*
Clg. Operating Range °F(°C)	25-115 (-5-46)	25-115 (-5-46)
Htg. Operating Range °F(°C)	5-75 (-15-24)	5-75 (-15-24)
%RH	80 or less	80 or less
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1
Maximum Current Ampacity (A)	15	15
Running Current Rated (A): Cooling	0.050	0.050
Heating	0.050	0.050
Power Use Rated (W): Cooling	10	10
Heating	10	10
*As long as the total system nominal capaci	city is between 39,00	0 and 62,000 BTUs.

Dimensions: Gross (Flare to Flare):	
Height x Width x Depth Inch	
Height x Width x Depth mm	
Dimensions: Net (Metal Box Only):	
Height x Width x Depth Inch	
Height x Width x Depth mm	
Net Weight Ibs. (kg)	
Conn. Pipe Diameter - Main Inch	
Conn. Pipe Diameter - Branch Inch	
Connection Method	

Connection Adapter Included Inch	

	UTP-PU03A	UTP-PU03B
	Primary	Secondary
):		
h	7-5/8 x 33 x 14-5/8	7-5/8 x 33 x 14-5/8
n	195 x 838 x 370	195 x 838 x 370
):		
h	7-5/8 x 17 x 14-5/8	7-5/8 x 17 x 14-5/8
n	195 x 433 x 370	195 x 433 x 370
1)	20 (9)	20 (9)
h	(3/8 Liq. x 5/8 Suc.)	(3/8 Liq. x 5/8 Suc.)
h	(1/4 Liq. x 1/2 Suc.) 3 pair	(1/4 Liq. x 1/2 Suc.) 3 pair
b	Flare	Flare
h	(1/2MF x 3/8FF) x 3 (1/2MF x 5/8FF) x 3 No adapter needed for 18k BTU	(1/2MF x 3/8FF) x 3 (1/2MF x 5/8FF) x 3 No adapter needed for 18k BTU

Warning: Branch boxes are not weather tight enclosures and cannot be mounted outdoors or in damp environments exceeding 80% relative humidity, unless using the Branch Box Outdoor Enclosure, Part #UTP-PX-A.

#### **Allowed Branch Box Mounting Direction**

**Threaded Rod Mount** 



By reversing the electrical box position you <u>can</u> orient the inlet and outlet pipes into a left hand or right hand configuration.

#### **Horizontal Wall Mount**



By reversing the electrical box position you <u>can</u> orient the inlet and outlet pipes into a left hand or right hand configuration.

#### **Vertical Wall Mount**



You <u>cannot</u> reverse the electrical box position when mounting the branch box vertically.

# Branch Box Outdoor Enclosure

The Branch Box Outdoor Enclosure is used to mount the indoor style Branch Box outdoors. The Branch Box Outdoor Enclosure is a painted metal cover to match the condensing unit. When Branch Box Outdoor Enclosure is not required, see Installation Manual for indoor mounting instructions.

#### **Allowed Mounting Positions**



Dimensions in. (mm)						
Net (HxWxD)	8-11/16 x 32 x 17-7/8 (220 x 813 x 454)					
Gross (HxWxD)	3-15/16 x 33-11/16 x 20-5/16 (100 x 880 x 515)					
Weight lbs. (kg)						
Net Branch Box cover only	22 (10)					
Net Branch Box + Cover	44.1(20)					
Gross	30.9 (14)					





# **Separation Tube Assembly Kit**UTP-SX248A

Size	Liquid Inch	3/8 x 3/8 x 3/8
Size	Suction Inch	5/8 x 5/8 x 5/8



### **Piping**

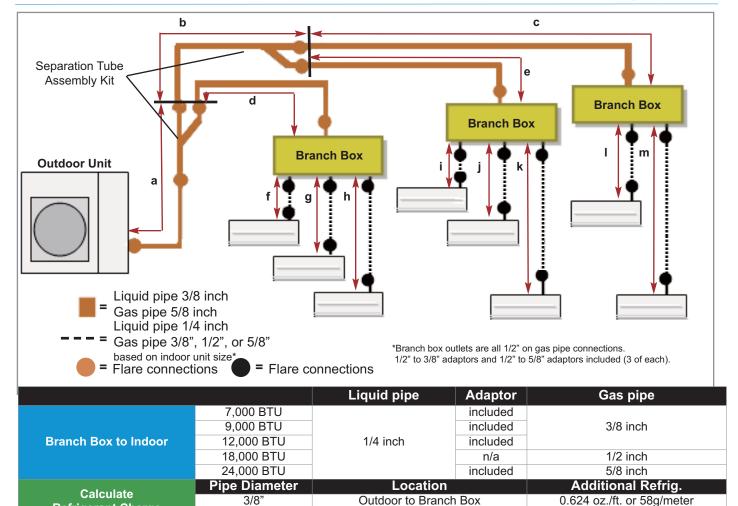
**Refrigerant Charge** 

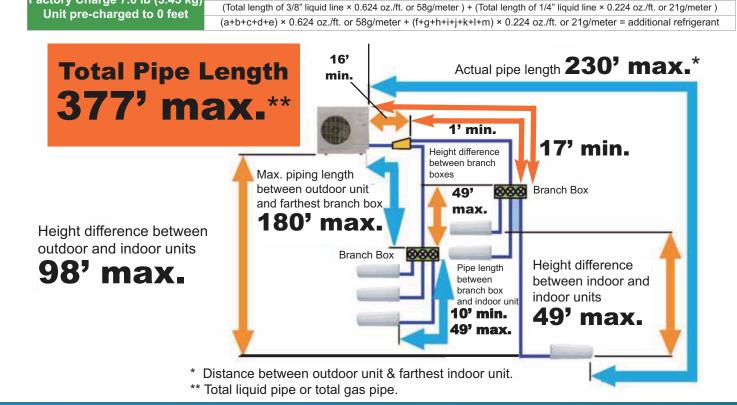
Factory Charge 7.6 lb (3.45 kg)

1/4"

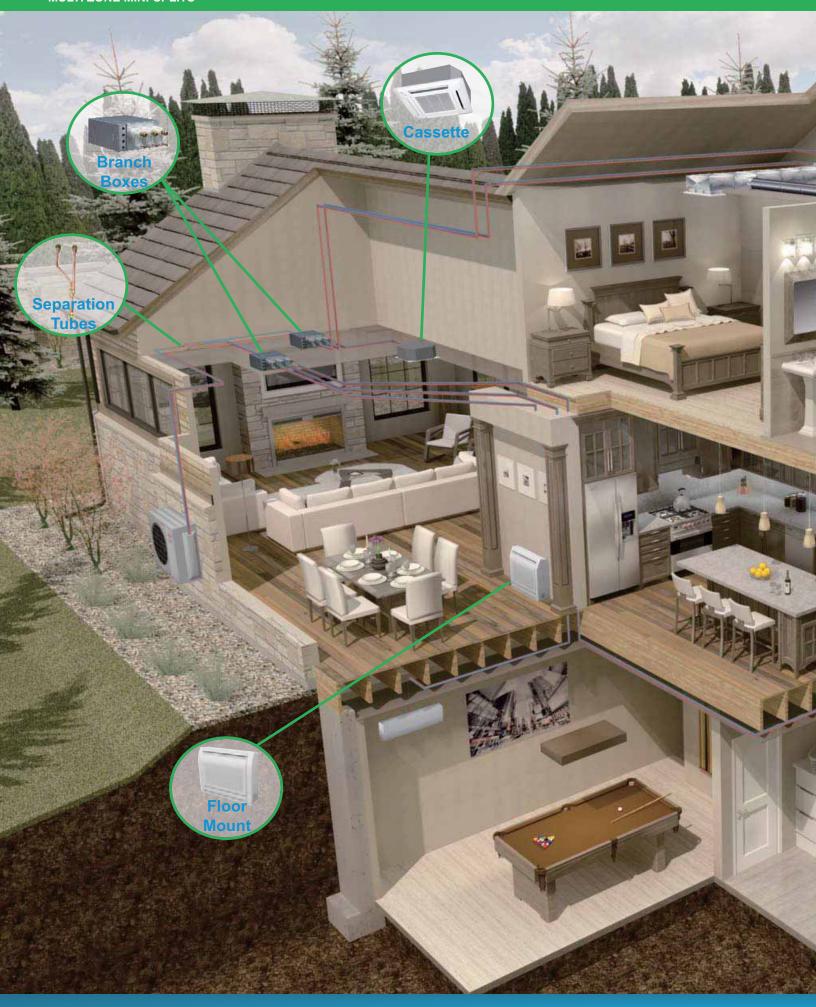


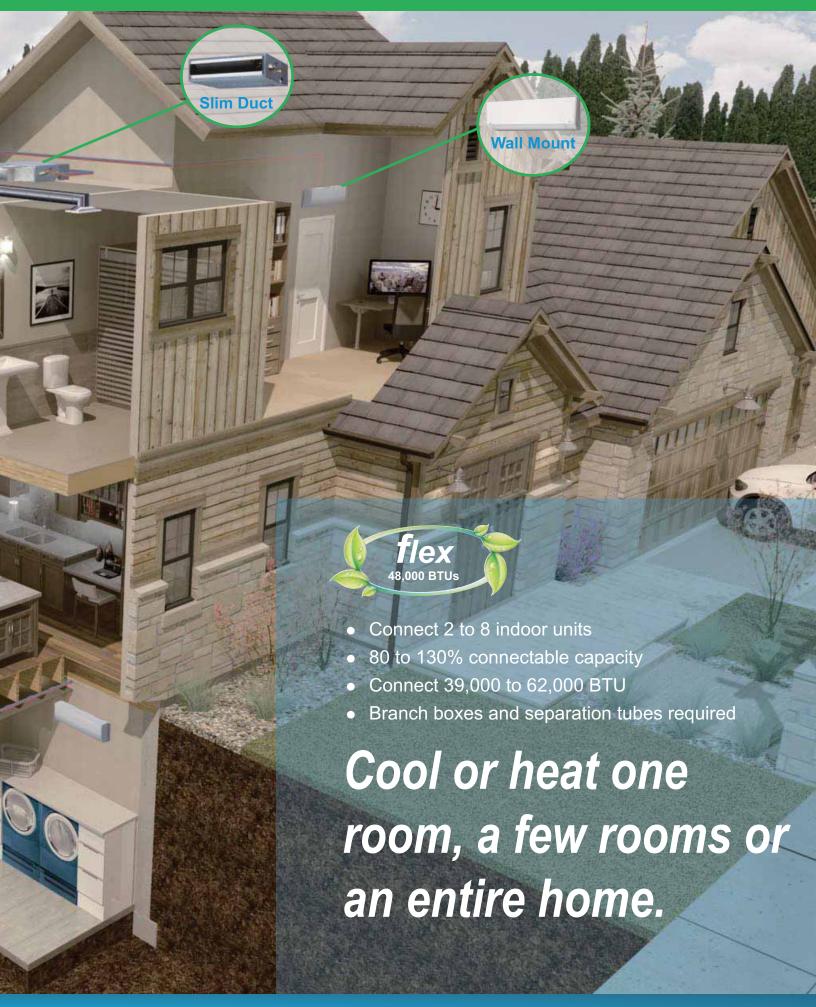
0.224 oz./ft. or 21g/meter





Branch Box to Indoor Unit





### Allowable Combinations for AOU18RLXFZ, AOU18RLXFZH,

18, 24, 36, 45,000 BTUs BTUs

AOU24RLXFZ, AOU24RLXFZH, AOU36RLXFZH, AOU36RLXFZH, AOU45RLXFZ









ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLS2+, ASU18RLF, ASU24RLF

ARU7RLF ARU9RLF ARU12RLF ARU18RLF ARU24RLF

AUU7RLF AUU9RLF AUU12RLF AUU18RLF

AGU9RLF AGU12RLF AGU15RLF

AOU18RLXFZ AOU18RLXFZH AOU24RLXFZ AOU24RLXFZH AOU36RLXFZH AOU16RLXFZH

i i	BTU Capacity	7,000	9,000	12,000	15,000	18,000	24,000	AOU36R AOU45F	
	LXFZ / AOU18RLXF	ZH A	OU36RLXFZ1	/ AOU36RLXF2	ZH 💮	12 15 15	40	7 12 15 <mark>18</mark>	51
7 7 9 7 12 9 9 9 12		14	12 12 15		38	12 15 18	44	7 15 15 15	49
N 7 9		16	7 7 7 7		28	12 15 <mark>24</mark>	50	9 9 9 9	36
7 12 9 9		19	7 7 7 9		30 33 35 39	12 <mark>18 18</mark>	48	9 9 9 12	39
9 12		21	7 7 7 12		33	12 <mark>18 </mark> 24	54	9 9 9 15	41
	RLXFZ / AOU24RLXF	<u> </u>			35	15 15 15	42	9 9 9 18	45
7 7	-	14	7 7 7 <mark>18</mark> *				46	9 9 9 24	51
7 9	-	16	7 7 9 9		32	15 15 <mark>24</mark>	52	9 9 12 12	42
7 12	-	16 19 NOODN	7 7 9 12		35	15 18 18	50	9 9 12 15	44
7 15		21			37	18 18 18	54	9 9 12 18	48
7 18		25	7 7 12 12		38	7 7 7 15	35	9 9 12 24 9 9 15 15	54
9 9	-	18	7 9 9 9		34	7 7 7 18	39		46
NIDOOR UNITS 9 15 9 18 12 12		21	9 9 9 9		37	7 7 7 24	45	9 9 15 18 9 9 18 18	50
5 9 15		23			36	7 7 9 12	35	9 9 18 18	54
9 18		27	AOU4	5RLXFZ	36	7 7 9 15	37	4   9   12   12   12	45
2 12 12		24	18 24		42	7 7 9 18	41	9 12 12 15	47
<sup>2</sup> 12 15		26	24 24		48	7 7 9 24	47	9 12 12 18	51
7 7	7	21	7 7 24		38	7 7 12 12	38	9 12 15 15	49
7 7	9	23	7 9 18		34	7 7 12 15	40	9 12 15 18	53
7 7	12	26	7 9 24		40	7 7 12 18	44	12 12 12 12	48
7 9	9	25	7 12 18		37	7 7 12 24	50	12 12 12 <mark>15</mark>	50
9 9	9	27	7 12 24		43	7 7 15 15	42	12 12 12 <mark>18</mark>	54
AOU36RI	LXFZ1* / AOU36RLX	FZH	7 15 15		35	7 7 15 18	46	12 12 15 15	52
18 18	_	36	7 15 18		39 P		52	7 7 7 7 7	35
7 7	15 -	28	7 15 24		45	7 7 18 18	50	7 7 7 7 9	37
7 7	18 -	32	7 18 18		43 49 36	7 9 9 9	34	7 7 7 7 12	40
7 7	24	38	7 18 24		49	7 9 9 12	37	7 7 7 7 15	42
7 9	12 -	28 30	9 9 18				39	7 7 7 7 18	46 52
	15 -	30	9 9 24		42	7 9 9 18	43	7 7 7 7 24	
$\wp$ $\frac{7}{9}$	18	34 31	9 12 15		35	7 9 9 24	49		39 42
7 12 7 12 9 9 9		31	9 12 18		39	7 9 12 12	40	7 7 7 9 12 7 7 7 9 15	44
7 12		00			45	7 9 12 15	42	<b>8</b> 7 7 7 9 18	48
ğ 7 12		37	9 15 15		37	7 9 12 18	46	7 7 7 9 18 7 7 7 9 24	54
	9 -	27	9 15 18		41	7 9 12 24	52		45
	12 -	30	9 15 24		47	7 9 15 15	44		47
9 9		32	9 18 18		45	7 9 15 18	48	7 7 7 12 15 7 7 7 12 18	51
9 9		36	9 18 24		51	7 9 18 18	52	7 7 7 12 10	49
9 12		33	12 12 12		36	7 12 12 12	43	7 7 7 15 18	53
9 12		35	12 12 15		38	7 12 12 15	45	7 7 9 9 9	41
9 12		39	12 12 <mark>18</mark>		42	7 12 12 18	49	7 7 9 9 12	44
12 12	12	36	12 12 <mark>24</mark>		47	7 12 15 15	47	0 3 12	77

+ASU15RLS2 is NOT compatible with AOU18/24/36RLXFZH, AOU36RLXFZI or AOU45RLXFZ. Actual rated cooling capacity of ASU15RLS2 is 14,000 BTU/h. \* The optional kit "K9FZ1818 (UTP-MU36A2)" is necessary for dual zone system "18+18". \*\*Wall mounted type ASU18RLF can not be connected in this combination. "-" represents available circuit for future expansion when connecting this combination.

## Allowable Combinations for AOU48RLXFZ1







ARU7RLF ARU9RLF ARU12RLF ARU18RLF ARU24RLF

12 12 <mark>24</mark>



AUU7RLF AUU9RLF AUU12RLF AUU18RLF

7 12 12 15



AGU9RLF AGU12RLF AGU15RLF

45



**flex** 48,000 BTUs

AOU48RLXFZ1

12 12 12 <mark>24</mark>

= Allowed "Connectable Capacity" combinations between 100 and 130	%
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48

		7	7	9	9	15	46
		7	7	9	9	18	50
		7	7	9	12	12	47
		7	7	9	12	15	49
		7	7	9	12	18	53
		7	7	9	15	15	51
		7	7	12	12	12	50
		7	7	12	12	15	52
	S	7	9	9	9	9	43
	Ë	7	9	9	9	12	46
	5 INDOOR UNITS	7	9	9	9	15	48
	8	7	9	9	9	18	52
	볼	7	9	9	12	12	49
	2	7	9	9	12	15	51
		7	9	12	12	12	52
		9	9	9	9	9	45
		9	9	9	9	12	48
		9	9	9	9	15	50
		9	9	9	9	18	54
ĺ		9	9	9	12	12	51
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1		9	9	12	12	12	54

			AC	0U48RLXFZ1	
	18	24		4	12
7	24	24		4	18
	7	9	24	4	ŀO
	7	12	24	4	13
	7	15	18	4	10
	7	15	24	4	16
	7	18	18	4	13
	7	18	24	4	19
3 INDOOR UNITS	7	24	24	5	55
5	9	9	24	4	12
Ö	9	12	18	3	39
Ž	9	12	24	4	15
က	9	15	18	4	12
	9	15	24	4	18
	9	18	18	4	15
	9	18	24	5	51
	9	24	24	5	57
	12	12	18	4	12

	12	15	15		40
	12	15	18		44
	12	15	24		50
	12	18	18		48
ST	12	18	24		54
Z	12	24	24		60
9R	15	15	15		42
9	15	15	18		46
3	15	15	24		52
	15	18	18		50
	15	18	24		56
	15	24	24		62
	18	18	18		54
	18	18	24		60
	7	7	7	18	39
	7	7	7	24	45
	7	7	9	18	41
	7	7	9	24	47
	7	7	12	15	40
	7	7	12	18	44
	7	7	12	24	50
	7	7	15	15	42
	7	7	15	18	46
	7	7	15	24	52
′0	7	7	18	18	50
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R	7	7	24	24	62
8	7	9	9	15	39
물	7	9	9	18	43
4	7	9	9	24	49
	7	9	12	12	40
	7	9	12	15	42
	7	9	12	18	46
	7	9	12	24	52
	7	9	15	15	44
	7	9	15	18	48
	7	9	15	24	54
	7	9	18	18	52
	7	9	18	24	58

7 12 12 12

	7	12	12	18	49
	7	12	12	24	55
	7	12	15	15	47
	7	12	15	18	51
	7	12	15	24	57
	7	12	18	18	55
	7	12	18	24	61
	7	15	15	15	49
	7	15	15	18	53
	7	15	15	24	59
	7	15	18	18	57
	7	18	18	18	61
	9	9	9	12	39
	9	9	9	15	41
	9	9	9	18	45
	9	9	9	24	51
	9	9	12	12	42
ITS	9	9	12	15	44
5	9	9	12	18	48
Š.	9	9	12	24	54
ğ	9	9	15	15	46
4	9	9	15	18	50
	9	9	15	24	56
	9	9	18	18	54
	9	9	18	24	60
	9	12	12	12	45
	9	12	12	15	47
	9	12	12	18	51
	9	12	12	24	57
	9	12	15	15	49
	9	12	15	18	53
	9	12	15	24	59
	9	12	18	18	57
	9	15	15	15	51
	9	15	15	18	55
	9	15	15	24	61
	9	15	18	18	59
	12	12	12	12	48
	12	12	12	15	50
	12	12	12	18	54

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	12	12	15	15		52
	12	12	15	18		56
Ĕ	12	12	15	24		62
S	12	12	18	18		60
4 INDOOR UNITS	12	15	15	15		54
물	12	15	15	18		58
4	12	15	18	18		62
	15	15	15	15		56
	15	15	15	18		60
	7	7	7	7	12	40
	7	7	7	7	15	42
	7	7	7	7	18	46
	7	7	7	7	24	52
	7	7	7	9	9	39
	7	7	7	9	12	42
	7	7	7	9	15	44
	7 7	7	7	9	18	48
		7	7	9	24	54
	7 7	7	7	12	12	45
	7	7	7	12	15	47
	7	7	7	12	18	51
	7	7	7	12	24	57
13	7	7	7	15	15	49
S	7	7	7	15	18	53
5 INDOOR UNITS	7	7	7	15	24	59
8	7	7	7	18	18	57
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		7	9	9	12	44
	7	7	9	9	15	46
	7	7	9	9	18	50
	7	7	9	9	24	56
	7	7	9	12	12	47
	7	7	9	12	15	49
	7	7	9	12	18	53
	7	7	9	12		59
	7	7	9	15	15	51
	7	7	9	15	18	55
	7	7	9	15	24	61
	7 7 7	7	9	18	18	59
	7	7	12	12	12	50

### Allowable Combinations for AOU48RLXFZ1











**flex** 48,000 BTUs

ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLS2\*, ASU18RLF, ASU24RLF

ARU7RLF ARU9RLF ARU12RLF ARU18RLF ARU24RLF

AUU7RLF AUU9RLF AUU12RLF AUU18RLF

AGU9RLF AGU12RLF AGU15RLF

AOU48RLXFZ1

BTU Capacity	7,000	9,000	12,000	15,000	18,000	24,000	
=	Allowed "Co	nnectable C	Capacity" cor	nbinations b	etween 100	and 130%	

	7	7	12	12	15	52
	7	7	12	12	18	56
	7	7	12	12	24	62
	7	7	12	15	15	54
	7	7	12	15	18	58
	7	7	12	18	18	62
	7	7	15	15	15	56
	7	7	15	15	18	60
	7	9	9	9	9	43
	7	9	9	9	12	46
	7	9	9	9	15	48
	7	9	9	9	18	52
	7	9	9	9	24	58
	7	9	9	12	12	49
	7	9	9	12	15	51
	7	9	9	12	18	55
	7	9	9	12	24	61
	7	9	9	15	15	53
9	n 7	9	9	15	18	57
	7	9	9	18	18	61
	<b>7</b>	9	12	12	12	52
B	ğ 7	9	12	12	15	54
	Z 7	9	12	12	18	58
	7	9	12	15	15	56
	7	9	12	15	18	60
	7	9	15	15	15	58
	7	9	15	15	18	62
	7	12	12	12	12	55
	7	12	12	12	15	57
	7	12	12	12	18	61
	7	12	12	15	15	59
	7	12	15	15	15	61
	9	9	9	9	9	45
	9	9	9	9	12	48
	9	9	9	9	15	50
	9	9	9	9	18	54
	9	9	9	9	24	60
	9	9	9	12	12	51
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	9	9	9	12	18	57
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	9	9	12	12	12		54
	9	9	12	12	15		56
	9	9	12	12	18		60
IIS	9	9	12	15	15		58
3	9	9	12	15	18		62
OR	9	9	15	15	15		60
일	9	12	12	12	12		57
2	9	12	12	12	15		59
	9	12	12	15	15		61
	12	12	12	12	12		60
	12	12	12	12	15		62
	7	7	7	7	7	7	42
	7	7	7	7	7	9	44
	7	7	7	7	7	12	47
	7	7	7	7	7	15	49
	7	7	7	7	7	18	53
	7	7	7	7	7	24	59
	7	7	7	7	9	9	46
	7	7	7	7	9	12	49
	7	7	7	7	9	15	51
	7	7	7	7	9	18	55
	7	7	7	7	9	24	61
	7	7	7	7	12	12	52
	7	7	7	7	12	15	54
IIS	7	7	7	7	12	18	58
5	7	7	7	7	15	15	56
8 E	7	7	7	7	15	18	60
Ž	7	7	7	9	9	9	48
9	7	7	7	9	9	12	51
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	7	7	7	9	9	18	57
	7	7	7	9	12	12	54
	7		7	9	12	15	56
		7					
	7	7	7	9	12	18	60
	7	7	7	9	15	15	58
	7	7	7	9	15	18	62
	7	7	7	12	12	12	57
	7	7	7	12	12	15	59
	7	7	7	12	15	15	61
	7	7	9	9	9	9	50

	7	7	_	^	^	10		
	7	7	9	9	9	12		53
	7	7	9	9	9	15		55
	7	7	9	9	9	18		59
	7	7	9	9	12	12		56
	7	7	9	9	12	15		58
	7	7	9	9	12	18		62
	7	7	9	9	15	15		60
	7	7	9	12	12	12		59
m	7	7	9	12	12	15		61
Ë	7	7	12	12	12	12		62
R	7	9	9	9	9	9		52
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볼	7	9	9	9	9	15		57
9	7	9	9	9	9	18		61
	7	9	9	9	12	12		58
	7	9	9	9	12	15		60
	7	9	9	12	12	12		61
	9	9	9	9	9	9		54
	9	9	9	9	9	12		57
	9	9	9	9	9	15		59
	9	9	9	9	12	12		60
	9	9	9	9	12	15		62
	7	7	7	7	7	7	7	49
'	7	7	7	7	7	7	9	51
	7	7	7	7	7	7	12	54
	7	7	7	7	7	7	15	56
	7	7	7	7	7	7	18	60
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Ę	7	7	7	7	7	9	18	62
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	7	7	7	7	9	9	15	60
	7	7	7	7	9	12	12	61
	7	7	7	9	9	9	9	57
	7	7	7	9	9	9	12	60
	7	7	7	9	9	9	15	62
	7	7	9	9	9	9	9	59

			0	9	9	12		62
7	9	9	9	9	9	9		61
7	7	7	7	7	7	7	7	56
7	7	7	7	7	7	7	9	58
7	7	7	7	7	7	7	12	61
7	7	7	7	7	7	9	9	60
7	7	7	7	7	9	9	9	62
	7 7 7 7	7 7 7 7 7 7 7 7	7 7 7 7 7 7 7 7 7 7 7 7	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 7 7 7 7 7 7 7

#### **Remote Controls**

#### **Wired Remote** Controller\*

Group Control

THE PARTY UTY-RNBYU^/UTY-RNNUM^

The wired remote controller with its unique lock function and sleek design provides full feature access to property managers, building owners, and facility maintenance, as well as providing basic comfort features to tenants, employees, and teachers.

#### Wireless Remote Controller UTY-LNHUM

to mount the wired remote or where wireless operation is preferred.

# For spaces where there is just no place

#### Wall mounted room temperature sensor for slim duct models. Replaces room temperature sensor in the return when installed while still allowing for temperature correction.

#### Wired Remote Controller UTY-RVNUM



Features a large backlit LCD display and displays the room temperature. Provides full feature access to property managers, building owners, and facility maintenance, as well as providing basic comfort features to tenants, employees, and teachers.

#### **Central Remote** Controller UTY-DMMUM

This remote controls up to 8 individual indoor units. Set temperatures on timers to best meet individuals' needs. Includes a large backlit LCD and 4-way navigation pad. Remote connects in daisy chain to branch boxes.

#### **Receiver Unit** UTY-I RHUM

For slim duct models. Includes a wireless remote control.

#### Simple Remote Controller UTY-RSNUM\*

**Group Control** 



Suitable when only basic operations are required for hotels, offices and other places where there is frequent arrival and departure of occupants. Features a backlit display. Remote does not allow any timer settings.

#### Wired Remote (Touch Panel)

. UTY-RNRUZ1



Features a large backlit LCD display and displays the room temperature. Provides full feature access to property managers, building owners, and facility maintenance, as well as providing basic comfort features to tenants, employees, and teachers. Compatible with System 30RLXEH only.

**Group Control:** With this feature, multiple evaporators can be 'daisy-chained' together on one single remote controller, allowing for multiple single-zoned systems installed in an application to be grouped together by evaporator. The same feature can be used on a multi-zone system however, multiple multi-zone systems cannot be grouped together nor can a single-zone system be group controlled with a multi-zone system. For additional information, see Engineering Bulletin # 036 and/or 037.

#### Wi-Fi Devices

**Remote Sensor** 

UTY-XSZX

#### **IR Wireless Module** Model: FJ-IR-WIFI-1NA



#### **Wired Module**

Model: FJ-RC-WIFI-1NA



#### **Plug Model** UTY-WIFI



In order to connect certain models to Wired Wi-Fi Module, FJ-RC-WIFI-1NA, this plug must be used.

Remotely manage mini-split systems using a simple smartphone, tablet, or PC via the Internet. The mini-splits are controlled from a webpage or using an iOS or Android APP in a very intuitive way. A wireless (Wi-Fi) device installed in each unit controls the operation. A Server in the cloud manages the whole process.



#### **Features of Wi-Fi Devices**

- Turn the mini-split on before arriving home.
- Change the program if the user is arriving late.
- Know the current room temperature of your home.
- Check if the unit is still on once out of your home and
- Program the mini-split with a calendar scheduler in an easy, intuitive way.
- Available in several languages. (Also °C and °F)
- Save money without losing comfort.
- Get instant alarm notifications.
- Minimum Heat, Sleep Timer functions will be lost when the wired remote controller is installed.
- Wall mounted ASU7, 9, and 12RLF1 require accessory interface kit (Part UTY-XCBXZ2) in order to connect this device to them. Wall mounted ASU9, 12, and 15RLS3/H require accessory interface kit (Part UTY-TWBXF1) in order to connect this device to them.

#### **Interface Kits**

#### Dry Contact Wire Kit\*

UTY-XWZX/UTY-XWZXZ5



Turns system on or off using a normally open circuit. For example in home automation, BMS integration of only On/Off operation, occupancy sensor, key card switch, or lead-lag control of other heating/cooling devices.

#### Slim Duct Connector Kit UTD-ECS5A



Comes with 5 sets of wires. Can be used to turn unit on/off, wire in float switch, AUX heater, turn on an external device (Fan), or show if the unit is running.

### Interface Kit UTY-XCBXZ2



Required to connect ASU7RLF1, 9RLF1, and 12RLF1 to Wired Remotes UTY-RNNUM and UTY-RVNUM, Dry Contact Wire Kit UTY-XWZX, and Simple Remote Control UTY-RSNUM.

#### Outdoor Unit Input/Output Connector UTY-XWZXZ3



Gives the ability to limit the noise of the unit\*, stop the outdoor unit, limit power consumption\*, control the operating mode (Htg/Clg), or use output status to see if the compressor is running. You will need to order a kit for each option.

\*Will reduce capacity.

### Interface Kit Box



Used to conceal Interface Kit UTY-XCSXZ1.

### Interface Kit UTY-TWBXF1



Required to connect the ASU15RLS2/H<sup>+</sup> and ASU9, 12, 15RLS3/H to Wired Remotes UTY-RNNUM and UTY-RVNUM, Dry Contact Wire Kit UTY-XWZXZ5, and Simple Remote Control UTY-RSNUM.

#### Outdoor Unit Base Heater Connector UTY-XWZXZ4



Used to hook up an AUX base pan heater to the outdoor unit. Heater will stop ice from forming in the outdoor unit. Base heater will operate when outdoor temperature is below 36°F. Heater is field supply. Heaters greater than 25W can't be fed directly from the board, but have to be powered from another source.

^ Wired remotes cannot be used when using this feature. This includes UTY-RNRUZ1, UTY-RVNUM, UTY-RNNUM, UTY-RSNUM.

#### Interface Kit

UTY-XCSXZ1

Required to connect ASU30RLE to Wired Touch Panel Remote UTY-RNRUZ1, Wired Remote UTY-RVNUM, Wired Remote UTY-RNNUM, Simple Remote UTY-RSNUM, Dry Contact Wire Kit UTY-XWZX, and Lead Lag Control function^.

#### **Fresh Air Intake Kits**

#### High Humidity Insulation Kit UTZ-KXGC



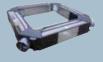
Additional insulation for compact cassette units, which may be needed when they are installed in high humidity areas.

### Air Outlet Shutter Plate



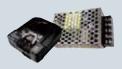
In a 3-way air flow configuration an Air Outlet Shutter Plate kit is required to block air flow of 1 louver.

#### Fresh Air Intake Kit UTZ-VXAA



Mixes room air then passes it through a heat exchanger. Allows for a 4-inch flex duct connection. Requires a field supplied duct booster fan capable of 60 CFM at .2"W.C. or 90 CFM at .4"W.C. For fan static pressure requirements, see installation manual.

#### Fresh Air Intake Kit KHRS940-25



Kit contains current sensor with builtin relay (Split Core Fixed Threshold
Current Status Sensor with
Command Relay) and Switching
Power Supply. Duct and Fan are
field supply. A fan capable of
generating 15 CFM at a static
pressure of approximately .26
inches W.C. required.

#### **Miscellaneous**

### 3-Pole Single Throw Safety Switch

For use where code requires a disconnect at the indoor unit.



#### **R410A Swivel Adapter**

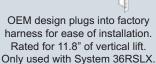
K9R410A55

In order to minimize incorrect charging of systems with R22 Fujitsu uses a different access port. Contractors will need this 55-degree swivel access fitting.



#### Condensate Pump

UTR-DPB24T

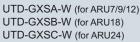


#### 18+18 Combo Fittings Kit

K9FZ1818 (For AOU36RLXFZ1 only)

Allows two 18,000 BTU indoor units to be used. Requires special piping; limited to only 18,000 BTU models. Total BTU capacity is limited to 31,600 BTU in cooling. The kit upsizes linesets to 3/8" and 1/2".

#### Auto Louver Grille Kit\*



Auto Louver provides comfortable airflow and blends in with various interiors. Grille can be connected either directly to indoor unit or through the rectangular duct.

<sup>\*</sup> Only compatible with ARU models with serial numbers greater than 2000.





Accesso Compati	ory bilitv		;	Singl	le Zo	ne V	Vall I	Moui	nted				Zo	igle ne cted	Z	ingle 'one ssett		nivers Ceilin spend	g	Flo	or N	/loui	nt	L Ca	arge sset	te				Iti-Zo ex-Zo		
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Remote Con	trols																															
UTY-RNBYU	Wired Remote Control						П					П			Г		•	●1	●1		П			•	• •	•				П		
UTY-RNNUM	Wired Remote Control	●3 ●	2 • 2	<b>3</b>	2 •2	<b>0</b> 2	2	• •	•	•	•	•	• (	•	•	•	•		-	• •	•	•	•				●3	<b>0</b> 2	•	•		
UTY-RVNUM	Wired Remote Control (Backlit, shows room temp.)	•3	2 • 2	<b>O</b> 3	2 •2	<b>0</b> 2	2	• •	•	•	•	•	•	•	•	•				• •	•	•	•				●3	•4	•4	₽4 ●4	•4	
UTY-RSNUM	Simple Remote Control	●3	2 • 2	●3 ●	2 •2	<b>0</b> 2	2	• •	•	•	•	•	•	•	•	•	1	Ш	_ '	• •	•	•	•	Ш			●3	•2	•	• •		
	Wireless Remote Control														•	•		Ш						Ш						•		
UTY-DMMUM	Central Remote Control														L			Ш						Ш							•	•
UTY-RNRUZ1	Wired Touch Panel Remote Control										•	П																				
UTY-XSZX	Remote Sensor											П	• (	•				П						П						•		
UTY-LRHUM	Receiver Unit												•	•				П						П						•		
Wi-Fi Device	es																															
FJ-IR-WIFI-1NA	Wi-Fi Device: IR Wireless Module	• • •	• •	•	•	• •	•	• •	•	•	•	•	<b>6</b> 6	6 06	•	•	•	•	•	• •	•	•	•				•	•	•	• •	•	
FJ-RC-WIFI-1NA	Wi-Fi Device: Wired Module	• * •	^ _^	••	^ •^	•^ •	A • 5	●5 ●5	●5 ●	5 • 5	5 • 5	• 5	•	•	•	•	•	•	•	5	5 • 5	●5	5		• •	•	•*	•^	•	• •	•	
UTY-WIFI	Wi-Fi Plug⁵	•	•	•	•	• •	•	• •	•	•	•	•							-	•	•	•	•				•	•				
Interface Kit	S																															
UTY-XWZX	Dry Contact Wire Kit						•	• •	•	•	•	•			•	•	1	П						П			$\Box$		•	•		
UTY-XWZXZ5	Dry Contact Wire Kit	•	•	• •	•	• •	•												-	• •	•	•	•				●3	<b>2</b>			•	
UTY-XCBXZ2	Interface Kit <sup>3</sup>	•		•																							•					
UTY-TWBXF1	Interface Kit <sup>2</sup>	•	•	•	•	• •	•																					•				
UTD-ECS5A	Slim Duct Connector Kit												• (	•				П						П						•		
UTY-XWZXZ3	Outdoor Unit Input/Output Connector Outdoor Unit Base										•	Ц																				•
UTY-XWZXZ4	Heater Connector											Ш			L			Ш						Ш								•
UTY-XCSXZ1	Interface Kit										•																					
UTZ-GXXB	Interface Kit Box										•																					
Fresh Air Int	ake Kits																															
UTZ-KXGC	High Humidity Insulation Kit														•	•	•													•		
UTR-YDZB	Air Outlet Shutter Plate														•	•														•		
UTZ-VXAA	Fresh Air Intake Kit											Ш			•	•	•	Ш						Ш						•		
KHRS940-25	Fresh Air Intake																							•	•	•						
Miscellaneo	us																							ш								
K3PST	3-Pole Single Throw Safety Switch	• • •	• •	•	•	• •	•	• •	•	•	•	•	•	•	•	•	•	•	•	• •	•	•	•	•	• •	•	•	•	•	• •	•	
K9R410A55	R410A Swivel Adapter	• • •	• •	•	•	• •	•	• •	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	• •	•	•	•	•	• •	•	
UTR-DPB24T	Condensate Pump																		•													
K9FZ1818	18+18 Combo Fittings Kit for AOU36RLXFZ1																												•	• •		
UTD-GXSA-W	Auto Louver Grille Kit (for ARU9, 12)												•																	•		
UTD-GXSB-W	Auto Louver Grille Kit						П					П		•										П						•		
UTD-GXSC-W	Auto Louver Grille Kit (for ARU24)																													•		

- If using UTY-RNBYU with these models you need to change the dip switch SW-1 to "ON". Refer to Tech Tip #028.

  2 Wall mounted ASU15RLS2/RLS2H and ASU9, 12, and 15RLS3/RLS3H require accessory interface kit #UTY-TWBXF1 in order to connect these devices to them.

  3 Wall mounted ASU7, 9, and 12RLF1 require accessory interface kit #UTY-XCBXZ2 in order to connect these devices to them.

  4 Only multi-zone models greater than specific serial numbers are compatible with UTY-RVNUM. See Service Bulletin 0031 for serial number compatibility.

  5 Plug model #UTY-WIFI required to connect these devices to them.

  6 Wireless Receiver #UTY-LRHUM is required in order to connect this device.

  + ASU15RLS2 is NOT compatible with AOU18/24/36RLXFZH, AOU36RLXFZ1 or AOU45RLXFZ.

  \* Requires accessory interface kit #UTY-XCBXZ2 and plug model #UTY-WIFI in order to connect these devices to them.

  A Requires accessory interface kit #UTY-TWBXF1 and plug model #UTY-WIFI in order to connect these devices to them.

#### **Line Set Sizes and Lengths**

																Si	ng	le Z	Zon	e S	Sys	ten	ns															
	9RL2	9RLFF	9RLFFH	9RLFW1	9RLS3	9RLS3H	12RL2	12RLFF	12RLFFH	12RLFW1	12RLS3	12RLS3H	15RLFF	15RLFFH	15RLS3	15RLS3H	18RLB	18RLXFW1	18RLXFWH	24RLXFW1	24RLXFWH	24RLB	30RLXEH	30RLXB	36RLXB	9RLFCD	12RLFCD	18RLFCD	9RLFCC	12RLFCC	18RLFCC	18RULX	24RULX	36RSLX	18RCLX	24RCLX	36RCLX	42RCLX
1/4" x 3/8"	•	•	•	•	•	•	•	•	•	•	•	•														•	•		•	•								
1/4" x 1/2"													•	•	•	•	•					•						•			•	•			•			
1/4" x 5/8"																																						
3/8" x 1/2"																																						
3/8" x 5/8"																		•	•	•	•		•	•	•								•	•		•	•	•
Total System																																						
		66		66	66	66	66														165																	
Pipe Length ft (m)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(50)	(50)	(50)	(50)	(20)	(75)	(50)	(50)	(20)	(20)	(20)	(20)	(20)	(20)	(50)	(50)	(50)	(50)	(50)	(50)	(70)
Min. Combined	10	10		10	10	10		10	10	10	10	10	10	10	10	10	10	16	16	16	16	10		16	16	10	10	10	10	10	10	16		16	16	16	16	16
Pipe Length ft (m)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(5)	(5)	(5)	(5)	(3)	(5)	(5)	(5)	(3)	(3)	(3)	(3)	(3)	(3)	(5)	(5)	(5)	(5)	(5)	(5)	(5)

While these systems share indoor units, different line sizes are required.

#### Multi / Flex Zone Models ARU18RLF x 2\* ASU18RLF x 2\* AGU18RLF x 2\* **AUU18RLF x 2\*** UTP-PU03A /BA AOU18RLXFZH AOU24RLXFZH **AOU36RLXFZH** AOU36RLXFZ1 (18+18) AOU48RLXFZ1 **AOU18RLXFZ** AOU36RLXFZ1 AOU24RLXFZ AOU45RLXFZ **ASU12RLF1 AUU12RLF AGU12RLF AGU15RLF ARU12RLF ARU18RLF ARU24RLF AUU18RLF ASU18RLF ASU24RLF AGU9RLF ARU7RLF ARU9RLF AUU7RLF** AUU9RLF 1/4" x 3/8" • 1/4" x 1/2" • • 1/4" x 5/8" 3/8" x 1/2" • • 3/8" x 5/8" • Total System Max. Combined 165 165 165 165 230 131 230 264 377 (50)(50)(50)(50)(70) (40) (70) (80) (115) 49 49 49 49 66 49 49 49 16¹ 10² Pipe Length ft (m) Min. Combined Pipe Length ft (m) $(15)(15)(15)(15)(20)(15)(15)(15)(15)(5)^{1}(3)^{2}$ imum and maximum pipe lengths for multi-zone units are found on pages 39, 42 and 45



- \*18+18 is the only 2 indoor unit combination allowed for AOU36RLXFZ1 and requires kit K9FZ1818.
- While these systems share indoor units, different line sizes are required.
- ^ Line set size from outdoor unit AOU48RLXFZ1 to the branch boxes.
- <sup>1</sup> Minimum combined pipe length from outdoor unit to branch box.
- <sup>2</sup> Minimum combined pipe length from branch box to indoor unit each.

### **Fujitsu Model Nomenclature**

Model		18	R		L		Х		F		Z		Н
ASU	Wall Mount	BTUs in thousands	R=	Reverse cycle heat pump	C =	Cassette	L=	Inverter	S =	Super Efficient	Z=	Zone	H = High Heating
ABU	Universal Mount Ceiling Susp.	_	C =	Cooling only	S =	Ceiling Susp.	X =	Extended Line Set	X =	Extended Line Set	W=	Wall Mount Only	
ARU	Slim Duct	_			L=	Inverter	S =	Super Efficient	F =	HFI (when followed by a "W" or "Z")  or Floor Mount	Н=	High Heating	
AUU	Cassette Mount	_			U =	Universal	F=	HFI	Н=	High Heating			
AGU	Floor Mount	_					В=	230V	w =	Wall Mount Only			
AOU	Outdoor Unit	_							C =	Compact Cassette or Slim Duct			
									B =	230V			
									E =	Engineering Series			

<sup>\* 1, 2</sup> or 3 at the end of a model number denotes a model revision. Please note models may not be combined with each other.



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#### Things To Know Before You Buy a Fujitsu System

#### **Complete System Warranty**

Standard warranties vary depending on model:

- 2 Year Parts, 6 Year Compressor Warranty OR
- 5 Year Parts, 7 Year Compressor Warranty.



#### Extened warranties include:

- 10 Year Parts/Compressor Warranty for Halcyon systems that have been installed by a licensed contractor and the online Product Registration\* has been submitted.
- 12 Year Parts/Compressor Warranty for Halcyon systems that have been installed by an Elite Contractor and the online Product Registration\* has been submitted.



10-Year and 12-Year Warranties exclude: R22 models, IAQ models, ASU30RLX, ABU18RULX, ABU24RULX, ABU36RSLX, AUU18RLCX, AUU24RCLX, AUU36RCLX, AUU42RCLX, AOU18RLX, AOU24RLX, AOU30RLX, AOU36RLX, AOU42RLX

\* Residents of California and Quebec are not required to register the System in order to obtain all of the rights and remedies applicable to this Warranty.

For full details, see Halcyon Warranty Statement.

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#### **Non-Internet Retail Policy**

Internet sales are strictly prohibited and unauthorized. Any HVAC systems purchased on the Internet, from an online retailer or any similar e-tailing website, OR where the original factory serial numbers of the display have been removed, defaced, or replaced in any way WILL NOT BE COVERED BY WARRANTY.

Note: Condensing units come pre-charged from factory. Additional refrigerant may be required, be sure to check installation manual for more details.

- · Cooling capacity is based on the following conditions: Indoor temperature: 80°F DB/67°F WB (26.7°C DB/19.4°C WB) Outdoor temperature: 95°F DB/75°F WB (35°C DB/23.9°C WB)
- Heating capacity is based on the following conditions: Indoor temperature: 70°F DB (21.1°C DB) Outdoor temperature: 47°F DB/43°F WB (8.3°C DB/6.1°C WB)

#### Things To Know Before You Install a Fujitsu System

#### Warning

Always use a licensed installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion. Use only parts and accessories supplied or specified by Fujitsu. Ask a licensed contractor to install parts and accessories. Use of unauthorized or improper installation of parts and accessories can result in injury or property damage. Read the owner's operation manual carefully before using this product. The owners operation manual provides important safety instructions and warnings which should be followed closely. For any questions or concerns, please contact Fujitsu General America, Inc. Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details or visit www.energystar.gov.

#### **Heat Pump Disclaimer**

In most climates a heat pump will handle all of your heating needs. However, this system sometimes requires some other additional source of heat to satisfy heating requirements in the coldest environments. Almost all of Fujitsu's heat pumps use inverter technology and as such offer a wider operating range and more heat capacity than a standard heat pump but will not provide adequate heating if improperly sized or operated outside of its operating range. Specifications vary by model; please consult your contractor before choosing a heat pump as your only source of heat. Systems will maintain temperature up to +/-4 degrees relative to set temperature. To increase energy efficiency on multi-type systems, you should turn off the evaporators when heating or cooling is not needed.

#### **Disclaimer**

Fujitsu's products are subject to continuous improvements. Fujitsu reserves the right to modify product design, specifications and information in this brochure without notice and without incurring any obligations.

#### **Certifications**

ISO14001 is the standard defined by the International Organization for Standardization (ISO) related to environmental management systems. Fujitsu General America, Inc. has been acknowledged by an internationally accredited compliance organization as having an appropriate program of environmental protection procedures and activities to meet the requirements of ISO14001. The air conditioners manufactured by Fujitsu have received ISO9001 series certification for quality assurance.

- ISO9001
- ISO14001

Our outdoor units shall withstand 1,000 hours of salt spray tested per procedure ASTM B117.

#### **RoHS Compliant**

Fujitsu participates in the RoHS Directive, which is the Restriction of Hazardous Substances in electrical and electronic equipment. It is an EU directive intended protect the environment by forcing manufacturers to eliminate or severely curtail the use of cadmium, hexavalent chromium, and lead in all products from automobiles to consumer electronics.

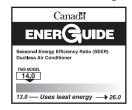
#### AHRI Energy Guide® Program (U.S.)

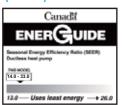
To view AHRI numbers or Energy Guide labels, please go to www.ahridirectory.org.





#### HRAI EnerGuide® Program (Canada)







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